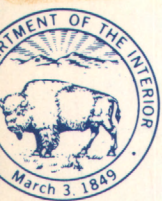


R  
(200)  
Ga3  
1



# Water Resources Data South Carolina Water Year 1981



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-81-1  
Prepared in cooperation with the State of South Carolina  
and with other local and Federal agencies







copy in R



# Water Resources Data South Carolina Water Year 1981



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-81-1  
Prepared in cooperation with the State of South Carolina  
and with other local and Federal agencies



UNITED STATES DEPARTMENT OF THE INTERIOR

JAMES G. WATT, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in South Carolina write to  
District Chief, Water Resources Division  
U.S. Geological Survey  
1835 Assembly Street  
Columbia, South Carolina 29201

1982



#### PREFACE

This report was prepared by personnel of the South Carolina District of the Water Resources Division of the U.S. Geological Survey in cooperation with the State of South Carolina and with other agencies. Preparation was under the supervision of R. N. Cherry, District Chief, and J. L. Cook, Regional Hydrologist, Southeastern Region.

This report is one of a series issued state by state. The general direction for the series is by Philip Cohen, Chief Hydrologist, and R. J. Dingman, Assistant Chief Hydrologist, for Scientific Publications and Data Management.



<b>REPORT DOCUMENTATION PAGE</b>	<b>1. REPORT NO.</b> USGS/WRD/HD-81/046	<b>2.</b>	<b>3. Recipient's Accession No.</b>
<b>4. Title and Subtitle</b> Water Resources Data for South Carolina, Water Year 1981		<b>5. Report Date</b> July 1982	
<b>7. Author(s)</b>		<b>6.</b>	
<b>9. Performing Organization Name and Address</b> U.S. Geological Survey, Water Resources Division 1835 Assembly Street, Suite 658 Columbia, South Carolina 29201		<b>8. Performing Organization Rept. No.</b> USGS-WRD-SC-81-1	
<b>12. Sponsoring Organization Name and Address</b> U.S. Geological Survey, Water Resources Division 1835 Assembly Street, Suite 658 Columbia, South Carolina 29201		<b>10. Project/Task/Work Unit No.</b>	
		<b>11. Contract(C) or Grant(G) No.</b> (C) (G)	
		<b>13. Type of Report &amp; Period Covered</b> Annual - Oct. 1, 1980 to Sept. 30, 1981	
<b>15. Supplementary Notes</b> Prepared in cooperation with the State of South Carolina and with other agencies.		<b>14.</b>	
<b>16. Abstract (Limit: 200 words)</b>  Water resources data for the 1981 water year for South Carolina consists of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels in wells. This report contains discharge records for 85 gaging stations; stage-only records for 6 gaging stations; stage and contents for 11 lakes and reservoirs; water quality for 36 gaging stations; and water levels for 47 observation wells. Also included are 44 crest-stage partial-record stations. 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 South Carolina.			
<b>17. Document Analysis. a. Descriptors</b>  *South Carolina, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses.  <b>b. Identifiers/Open-Ended Terms</b>          <b>c. COSATI Field/Group</b>			
<b>18. Availability Statement</b> No restriction on distribution This report may be purchased from: National Technical Information Service Springfield, VA 22161		<b>19. Security Class (This Report)</b> Unclassified	<b>21. No. of Pages</b> 336
		<b>20. Security Class (This Page)</b> Unclassified	<b>22. Price</b>



## CONTENTS

---

	Page
Preface . . . . .	III
List of gaging stations, in downstream order, for which records are published	VI
List of ground-water wells, by county, for which records are published. . . .	IX
Introduction. . . . .	1
Cooperation . . . . .	2
Summary of hydrologic conditions. . . . .	2
Notice. . . . .	5
Definition of terms . . . . .	5
Downstream order and station numbers. . . . .	13
Numbering system for wells and miscellaneous sites. . . . .	13
Special networks and programs . . . . .	14
Explanation of stage and water-discharge records. . . . .	15
Collection and computation of data. . . . .	15
Accuracy of field data and computed results . . . . .	18
Other data available. . . . .	19
Explanation of water-quality records. . . . .	19
Collection and examination of data. . . . .	19
Water analysis. . . . .	19
Water temperature . . . . .	20
Sediment. . . . .	20
Explanation of ground-water level records . . . . .	21
Collection of the data. . . . .	21
Publications on techniques of water-resources investigations. . . . .	22
Surface-water records . . . . .	25
Discharge at partial-record stations. . . . .	264
Crest-stage partial-record stations . . . . .	264
Ground-water records. . . . .	267
Appendix. . . . .	315
Index . . . . .	335

---

## ILLUSTRATIONS

---

Figure 1. Comparison of discharge at two long-term representative gaging stations during 1981 water year with median discharges . . . . .	4
2. System for numbering wells and miscellaneous sites . . . . .	14
3. Map showing location of streamflow gaging stations, reservoir or lake gaging stations, and water-quality stations . . . . .	23
4. Map showing location of crest-stage stations and ground-water wells. . . . .	24
	V

# VI GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

[Letters after station name designate type of data: (d) discharge, (c) chemical, (s) sediment, (t) water temperature, (g) gage-height, (e) elevation]

<u>SOUTH ATLANTIC SLOPE BASINS</u>	Page
<u>WACCAMAW RIVER BASIN</u>	
Waccamaw River near Longs (d) . . . . .	25
<u>PEE DEE RIVER BASIN</u>	
Pee Dee River:	
Whites Creek near Wallace (dt) . . . . .	26
Cedar Creek near Society Hill (d) . . . . .	29
Black Creek (head of Black Creek) near McBee (d) . . . . .	30
Black Creek near Hartsville (d) . . . . .	31
Pee Dee River at Peedee (dcst) . . . . .	32
Catfish Canal at Sellers (d) . . . . .	39
Lynches River:	
Fork Creek at Jefferson (d) . . . . .	40
Hanging Rock Creek near Kershaw (d) . . . . .	41
Lynches River at Effingham (dcst) . . . . .	42
Little Pee Dee River at Galivants Ferry (d) . . . . .	50
Black River:	
Scape Ore Swamp near Bishopville (dcs) . . . . .	51
Black River near Gable (d) . . . . .	55
Black River at Kingstree (dcst) . . . . .	56
<u>SANTEE RIVER BASIN</u>	
Catawba River (head of Santee River) near Rock Hill (d) . . . . .	64
Catawba River near Catawba (d) . . . . .	65
Bear Creek at Lancaster (d) . . . . .	66
Rocky Creek at Great Falls (d) . . . . .	67
Wateree River (continuation of Catawba River) near Camden (d) . . . . .	68
Wateree River below Eastover (dct) . . . . .	69
Broad River:	
Clark Fork Creek near Smyrna (d) . . . . .	77
North Pacolet River at Fingerville (d) . . . . .	78
Lake William C. Bowen near Fingerville (e) . . . . .	79
Pacolet River near Fingerville (d) . . . . .	80
Lawsons Fork Creek at Dewey Plant near Inman (d) . . . . .	81
Neals Creek near Carlisle (d) . . . . .	82
Broad River near Carlisle (dct) . . . . .	83
North Tyger River near Fairmont (d) . . . . .	91
Tyger River near Delta (dct) . . . . .	92
Enoree River at Whitmire (dct) . . . . .	100
Hellers Creek near Pomaria (d) . . . . .	108
Monticello Reservoir near Jenkinsville (ct) . . . . .	109
Broad River near Jenkinsville (ct) . . . . .	116
Broad River at Alston (d) . . . . .	123
Broad River at Richtex (d) . . . . .	124
West Fork Little River near Salem Crossroads (d) . . . . .	125
Cedar Creek near Blythewood (d) . . . . .	126
Smith Branch at North Main Street at Columbia (d) . . . . .	127
Saluda River:	
Middle Saluda River near Cleveland (d) . . . . .	128
Hamilton Creek near Easley (d) . . . . .	129
Saluda River near Ware Shoals (d) . . . . .	130



## SOUTH ATLANTIC SLOPE BASINS--Continued

Page

## SANTEE RIVER BASIN--Continued

Reedy River near Ware Shoals (d) . . . . . 131

## Rabon Creek:

South Rabon Creek near Grey Court (d) . . . . . 132

Lake Greenwood near Chappells (e) . . . . . 133

Ninety-six Creek near Ninety-six (d) . . . . . 134

Saluda River at Chappells (d) . . . . . 135

Lake Murray near Columbia (g) . . . . . 136

Saluda River near Columbia (d) . . . . . 137

Congaree River (continuation of Broad River) at Columbia (d) . . . . . 138

Gills Creek at Columbia (d) . . . . . 139

Big Beaver Creek near St. Matthews (d) . . . . . 140

## Santee River:

Lakes Marion-Moultrie diversion canal near Pineville (dcst) . . . . . 141

Lake Marion near Pineville (e) . . . . . 149

Santee River near Pineville (d) . . . . . 150

Santee River near Russellville (d) . . . . . 151

Crawl Creek near Pineville (c) . . . . . 152

Santee River below St. Stephens (dc) . . . . . 153

Wedboo Creek near Jamestown (d) . . . . . 155

Santee River near Jamestown (g) . . . . . 156

Santee River near Honey Hill (g) . . . . . 158

North Santee River near North Santee (g) . . . . . 160

Minim Creek at AICWW near North Santee (gc) . . . . . 162

South Santee River at AICWW near McClellanville (gc) . . . . . 166

## COOPER RIVER BASIN

## Cooper River:

## West Branch Cooper River:

Lake Moultrie near Pinopolis (e) . . . . . 170

West Branch Cooper River at Lewisfield Plantation near Moncks Corner (t) . . . . . 171

West Branch Cooper River at Pimlico near Moncks Corner (t) . . . . . 175

Cooper River at Inlet to Back River (c) . . . . . 179

Cooper River at Rice mill (c) . . . . . 181

Back River at DuPont Intake (c) . . . . . 183

Cooper River near Goose Creek (ct) . . . . . 188

Cooper River near North Charleston (c) . . . . . 191

## EDISTO RIVER BASIN

## Edisto River:

Dean Swamp Creek near Salley (d) . . . . . 193

South Fork Edisto River near Denmark (d) . . . . . 194

North Fork Edisto River at Orangeburg (d) . . . . . 195

Edisto River near Branchville (d) . . . . . 196

## Four Hole Swamp:

Cow Castle Creek near Bowman (d) . . . . . 197

Edisto River near Givhans (dcs) . . . . . 198

## COMBAHEE RIVER BASIN

Salkehatchie River (head of Combahee River) near Miley (d) . . . . . 204

## BROAD RIVER BASIN

Coosawhatchie River (head of Broad River) near Hampton (dcst) . . . . . 205

SOUTH ATLANTIC SLOPE BASINS--Continued	Page
NEW RIVER BASIN	
Great Swamp Canal No. 2 near Ridgeland (c) . . . . .	212
Great Swamp Canal No. 1 near Ridgeland (c) . . . . .	213
Great Swamp near Ridgeland (dc) . . . . .	214
SAVANNAH RIVER BASIN	
Chattooga River (head of Savannah River) near Clayton, GA (d) . . . . .	216
Tugaloo River (continuation of Chattooga River):	
Toxaway River (head of Seneca River):	
Little River near Walhalla (d) . . . . .	217
Hartwell Lake near Hartwell, GA (e) . . . . .	218
Savannah River near Iva (d) . . . . .	219
Savannah River near Calhoun Falls (g) . . . . .	220
Clark Hill Lake near Clarks Hill (e) . . . . .	221
Horn Creek near Colliers (d) . . . . .	222
Savannah River at Augusta, GA (dt) . . . . .	223
Upper Three Runs near New Ellenton (dcs) . . . . .	226
Tims Branch at Road C at Savannah River Plant (d) . . . . .	230
Upper Three Runs above Road C at Savannah River Plant (d) . . . . .	231
Upper Three Runs at Road A at Savannah River Plant (d) . . . . .	232
Savannah River near Jackson (dt) . . . . .	233
Beaverdam Creek at 400-D at Savannah River Plant (d) . . . . .	236
Beaverdam Creek at mouth at Savannah River Plant (t) . . . . .	237
Fourmile Creek near Jackson (t) . . . . .	239
Site 1 at Savannah River Plant (d) . . . . .	241
Site 2 at Savannah River Plant (d) . . . . .	242
Site 3 at Savannah River Plant (d) . . . . .	243
Site 4 at Savannah River Plant (d) . . . . .	244
Site 5 at Savannah River Plant (d) . . . . .	245
Site 5B at Savannah River Plant (d) . . . . .	246
Site 6 at Savannah River Plant (d) . . . . .	247
Site 7 at Savannah River Plant (d) . . . . .	248
Fourmile Creek at Road A-12.2 at Savannah River Plant (d) . . . . .	249
Pen Branch at Road A-13.2 at Savannah River Plant (d) . . . . .	250
Steel Creek near Snelling (t) . . . . .	251
Steel Creek at Old Hattiesville Bridge at Savannah River Plant (d) . . . . .	253
Savannah River below Steel Creek near Millett (t) . . . . .	254
Lower Three Runs below Par Pond at Savannah River Plant (d) . . . . .	256
Lower Three Runs near Snelling (d) . . . . .	257
Savannah River near Clyo (dcst) . . . . .	258
Lakes and Reservoirs in Pee Dee River basin and Santee River basin (eg) . . . . .	263

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

IX

Page

AIKEN

Savannah R. Plant, U.S. Atomic Energy Commission (AK-430) . . . . . 268

BEAUFORT

U.S. Marine Corps Air Station, U.S. Marine Corps (BFT-121). . . . . 269

Victoria Bluff, S.C. Wildlife &amp; Marine Resources Dept. (BFT-429). . . . . 270

Hilton Head Island, Sea Pines Plantation (BFT-439). . . . . 271

Hilton Head Island, Palmetto Dunes Development Co. (BFT-444). . . . . 272

Parris Island, S.C. Water Resources Commission (BFT-453). . . . . 273

Hilton Head Island, City of Hilton Head (BFT-786) . . . . . 274

Hilton Head Island, City of Hilton Head (BFT-787) . . . . . 275

BERKELEY

Jamestown, Jamestown City Water (BRK-53). . . . . 276

St. Stephens, Turner Lumber Co. (BRK-59). . . . . 277

St. Stephens, U.S. Army Corps of Engineers (BRK-62) . . . . . 278

St. Stephens, U.S. Army Corps of Engineers (BRK-63) . . . . . 279

St. Stephens, U.S. Army Corps of Engineers (BRK-64) . . . . . 280

St. Stephens, U.S. Army Corps of Engineers (BRK-65) . . . . . 281

St. Stephens, U.S. Army Corps of Engineers (BRK-66) . . . . . 282

St. Stephens, U.S. Army Corps of Engineers (BRK-67) . . . . . 283

St. Stephens, U.S. Army Corps of Engineers (BRK-68) . . . . . 284

St. Stephens, U.S. Army Corps of Engineers (BRK-69) . . . . . 285

St. Stephens, U.S. Army Corps of Engineers (BRK-70) . . . . . 286

St. Stephens, U.S. Army Corps of Engineers (BRK-71) . . . . . 287

St. Stephens, U.S. Army Corps of Engineers (BRK-74) . . . . . 288

St. Stephens, U.S. Army Corps of Engineers (BRK-75) . . . . . 289

St. Stephens, U.S. Army Corps of Engineers (BRK-78) . . . . . 290

Summerville, Berkeley-Sangaree Public Service District (BRK-91) . . . . . 291

CHARLESTON

Charleston, Exxon Co. (CHN-136) . . . . . 292

COLLETON

Canadys, S.C. Water Resources Commission (COL-97) . . . . . 293

FLORENCE

Mars Bluff, E.I. DuPont de Nemours Co. (FLO-129). . . . . 294

GEORGETOWN

Georgetown, City of Georgetown (GEO-17) . . . . . 295

Georgetown, Georgetown Rural Water District (GEO-77). . . . . 296

Pawleys Island, Johnnie Strait (GEO-84) . . . . . 297

GREENVILLE

Greenville, Brushy Creek School (GRV-709) . . . . . 298

HAMPTON

Hampton County Landfill, S.C. Water Resources Commission (HAM-82) . . . . . 299

Yemassee, South Carolina Water Resources Commission (HAM-83). . . . . 300

HORRY

Collins Park, City of Conway (HO-307) . . . . . 301

Little River, Little River Water and Sewage Co., Inc. (HO-315). . . . . 302

Myrtle Beach, Van Smith (HO-432). . . . . 303

North Myrtle Beach, City of North Myrtle Beach (HO-433) . . . . . 304

JASPER

Ridgeland, Ted Roach (JAS-144). . . . . 305

LEE

Bishopville, Robert W. Merck (LE-23). . . . . 306



	Page
<u>LEXINGTON</u>	
Edmund, Penn. Sand & Glass Co. (LEX-79) . . . . .	307
<u>MARLBORO</u>	
Bennettsville, Town of Bennettsville (MLB-112). . . . .	308
<u>RICHLAND</u>	
Columbia, Shakespeare Manufacturing Co. (RIC-40). . . . .	309
Greater Columbia, Lincolnshire subdivision (RIC-309). . . . .	310
<u>SPARTANBURG</u>	
Spartanburg, Spartanburg Subdistrict B Water Works (SP-297) . . . . .	311
<u>SUMTER</u>	
Sumter, City of Sumter (SU-69). . . . .	312
Sumter, City of Sumter (SU-191) . . . . .	313
<u>YORK</u>	
Ft. Mill, Tega Cay Development Co. (YK-147) . . . . .	314

## INTRODUCTION

Water resources data for the 1981 water year for South Carolina consist of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and water levels of ground water. This report contains discharge records for 85 gaging stations; stage-only records for 6 gaging stations; stage and contents for 11 lakes and reservoirs; water quality for 36 gaging stations; and water levels for 47 observation wells. Also included are data for 44 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous investigations of water quality. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in South Carolina.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological 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 then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 604 South Pickett Street, Arlington, VA 22304.

For water years 1961 through 1970, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two letter State Abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report SC-81-1." For archiving and general distribution, the reports for water years 1971-74 are also identified as water-data reports. These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on the back of the title page or by telephone 803/765-5966.

## COOPERATION

The U.S. Geological Survey and organizations of the State of South Carolina have had cooperative agreements for the systematic collection of water records since 1930. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

South Carolina Water Resources Commission, C. P. Guess, Jr., Executive Director.  
South Carolina Public Service Authority, W. C. Mescher, General Manager.  
South Carolina Department of Highways and Public Transportation, P. W. Cobb,  
Chief Highway Commissioner.  
City of Spartanburg, L. D. Cantrell, Chairman of Commissioners of Public Works.  
City of Lancaster, Kirk Edmonds, City Engineer.

Assistance in the form of funds or services was given by the Corps of Engineers, U.S. Army, in collecting records for 33 gaging stations and 5 water-quality stations, Department of Energy (DOE) in collecting records for one gaging station and 3 water-quality stations, and by the Environmental Protection Agency in collecting water-quality records for 2 stations published in this report.

The following organizations aided in collecting records:

Duke Power Company; Greenwood County Electric Power Commission; South Carolina Electric and Gas Company; South Carolina Public Service Authority; and Carolina Power and Light Company.

## SUMMARY OF HYDROLOGIC CONDITIONS

Deficient rainfall throughout South Carolina produced below normal streamflow for most of water year 1981 over the State. Below normal streamflow was most evident in the Piedmont physiographic province, which covers the upper 35 percent of the State above the "Fall Line." Streamflow in the Piedmont is very sensitive to precipitation due to the geology and topography of the area. The amount of rainfall recorded at a representative National Weather Service station near Greenville was 37 percent below normal for the year. The following table lists the 1981 water year minimum mean daily discharge for six stations in the Piedmont for comparison with the computed 7-day, 10-year minimum discharge.



Station	Drainage area (square mile)	Minimum mean daily discharge (cubic foot per second)	7Q <sub>10</sub> discharge (cubic foot per second)
02154500 North Pacolet River at Fingerville	116	45	43
02155500 Pacolet River near Fingerville	212	58	61
02156500 Broad River near Carlisle	2,790	742	740
02163500 Saluda River near Ware Shoals	581	90	190
02165000 Reedy River near Ware Shoals	236	18	36
02165200 South Rabon Creek near Gray Court	29.5	3.4	6.4

Low-flow conditions in the Coastal Plain Province were less severe due to higher sustained flows and more rainfall although rainfall was below normal throughout the Coastal Plain. Rainfall deficits ranged from 12 percent below normal at Charleston to 29 percent below normal at Columbia. Figure 1 on page 4 shows a comparison of monthly and yearly mean discharges during water year 1981 with the median of monthly and yearly discharges for water years 1967-78 for two index stations in this area.

Flood conditions in the State were generally nonexistent during the water year. Many peaks for the current year were recorded during the first few days of October.

Ground-water levels, like streamflow, strongly reflected climatic conditions. In the Piedmont, ground water occurs in the fault and fracture systems of the crystalline rocks and in places in the shallow material overlying the hard rock. Water levels in this area quickly reflect the amount of precipitation received. Due to the shortage of rainfall, water levels in the two observation wells operated in this area declined throughout the year. The water level in well GRV-79 near Greenville, an unused 80-foot deep water table well, fell from 28.59 feet below land surface on October 1, 1980 to 33.82 feet below land surface on September 30, 1981. The 33.82-foot reading is the lowest for the period of record beginning May 1973.

In the Coastal Plain the ground water occurs in multiple aquifer systems, mostly under artesian or confined conditions. Ground water is used extensively in this portion of the State and in areas of heavy withdrawals of ground water by pumping from the artesian aquifers, a reduction of the pressure head has caused the water level to decline. This decline persists in areas where continual heavy pumping on a year-round basis exists. In areas where heavy pumping is subject to seasonal or peak demands, water levels will fluctuate upward during periods of lighter pumping. The nonartesian or water-table aquifers used mostly for domestic water supplies affected more by recharge from precipitation than pumping showed a general decline in levels due to below normal precipitation. Variations in water levels for wells included in this report are illustrated by hydrographs below the tables in the ground-water section.

The chemical quality of surface waters statewide showed little change from previous years. The analysis of samples collected at seven NASQAN and two Benchmark stations showed the dissolved solids and suspended sediment load decreased slightly due to a decrease in flow. No residues of pesticides or PCBs were found in South Carolina streams with the exception of the 7.6 µg/kg DDT found in the bottom sample at Upper Three Runs near New Ellenton.

## HYDROLOGIC CONDITIONS

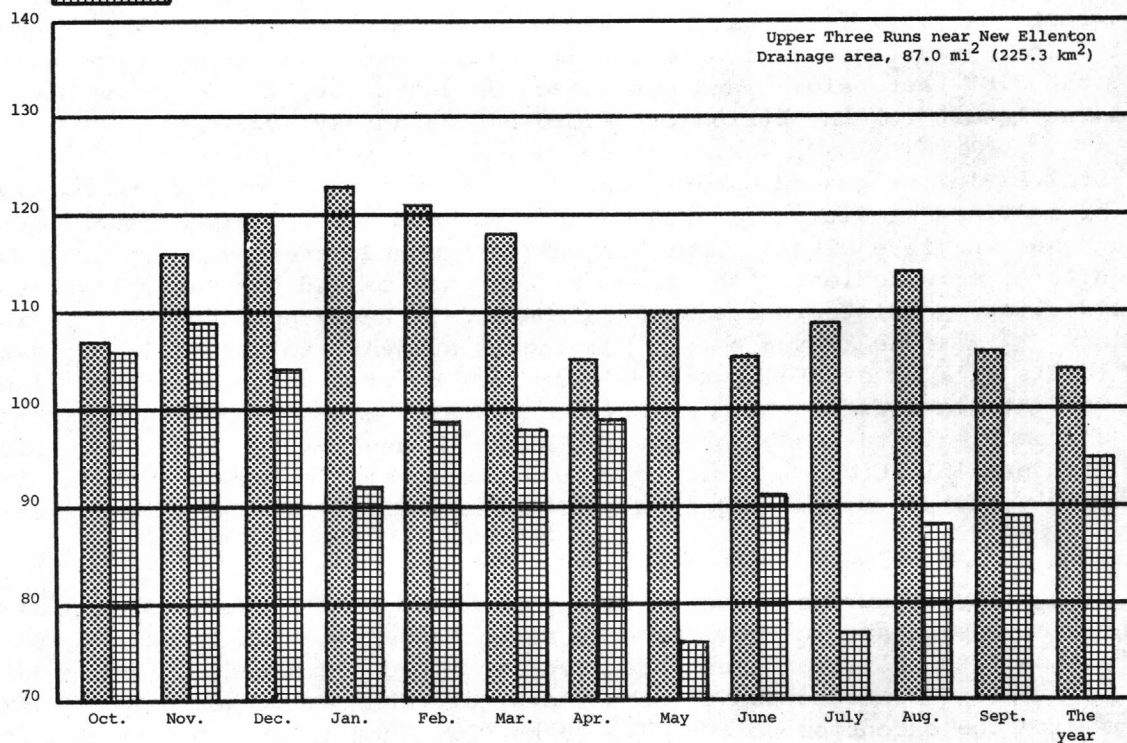
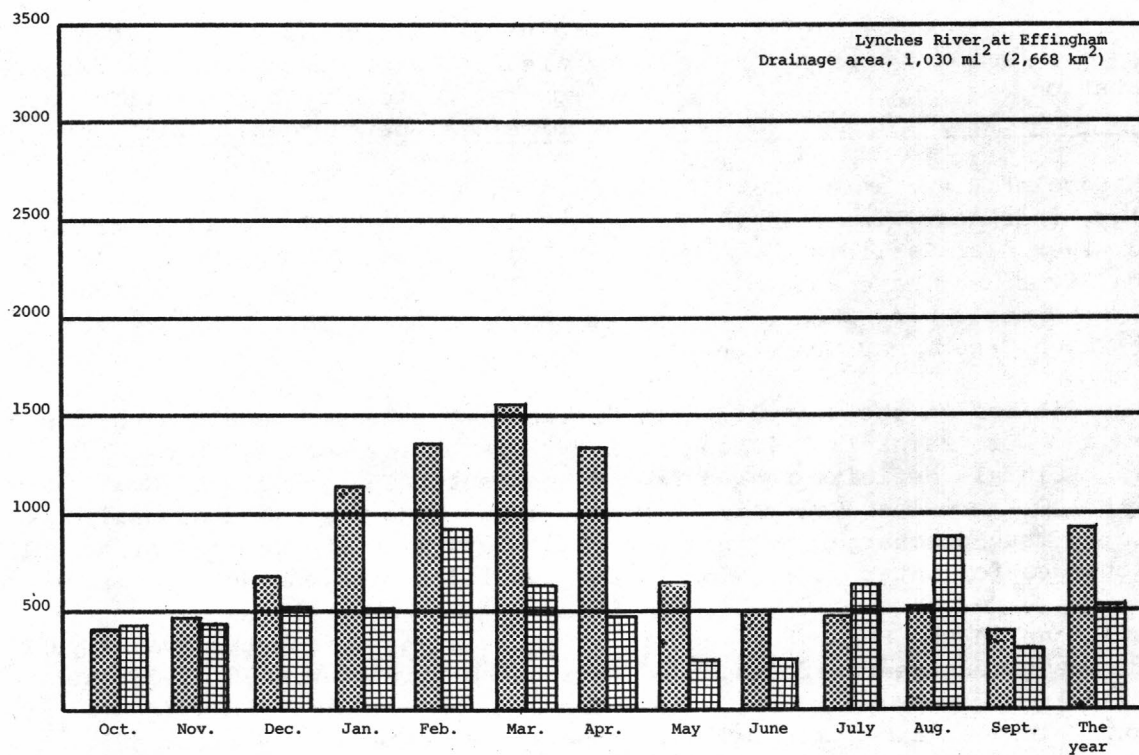


Figure 1.--Comparison of discharge at two long-term representative gaging stations during 1981 water year with median discharges.

## NOTICE

During water year 1978, revisions were made in the terminology used to define 143 of the water-quality parameter codes that have been used by the Geological Survey in its publication of water-quality data and in its WATSTORE data system. These revisions were made to achieve consistency in terminology and to conform to a joint USGS-EPA agreement on terminology. They do not represent a change in the way the codes have been used in the past or in the association of specific code numbers with identified analytical procedures.

Use of the new terminology began with the data for the 1978 water year, and therefore, it first appeared in the publication for that year. Definitions on which the terminology is based are included in the "Definitions" section of this report, and listings showing both old and new terminology are attached as an appendix to this report.

## DEFINITION OF TERMS

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

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

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

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

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

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

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all the organisms which produce blue colonies within 24 hours when incubated at  $44.5^{\circ}\text{C} \pm 0.2^{\circ}\text{C}$  on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

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

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

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

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

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

Dry mass refers to the mass of residue present after drying in an oven at  $60^{\circ}\text{C}$  for zooplankton and  $105^{\circ}\text{C}$  for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry mass values are expressed in the same units as ash mass.

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

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

Bottom material: See Bed material.

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



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, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ( $\text{CaCO}_3$ ).

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

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

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

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

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

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this

series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

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

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

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

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

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

The classification is as follows:

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

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

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants respectively, are the two categories reported.

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

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

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

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

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

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Suspended-sediment load is quantity of suspended sediment passing a section in a specified period.

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

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



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

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

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

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

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

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

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

material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

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

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

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

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

Total load (tons) is the total quantity of any individual constituent, as measured mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge times the mg/L of the constituent times the factor 0.027 times the number of days.

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

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

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Water year in the Geological Survey reports is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ended September 30, 1981, is called the "1981 water year."

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

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

#### DOWNSTREAM ORDER AND STATION NUMBERS

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

As an added means of identification, each hydrologic station and partial-record 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 other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 02175000, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6-digit downstream order number 175000.

#### NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) uniquely identify the wells or other sites within a 1-second grid. See figure 2 below.

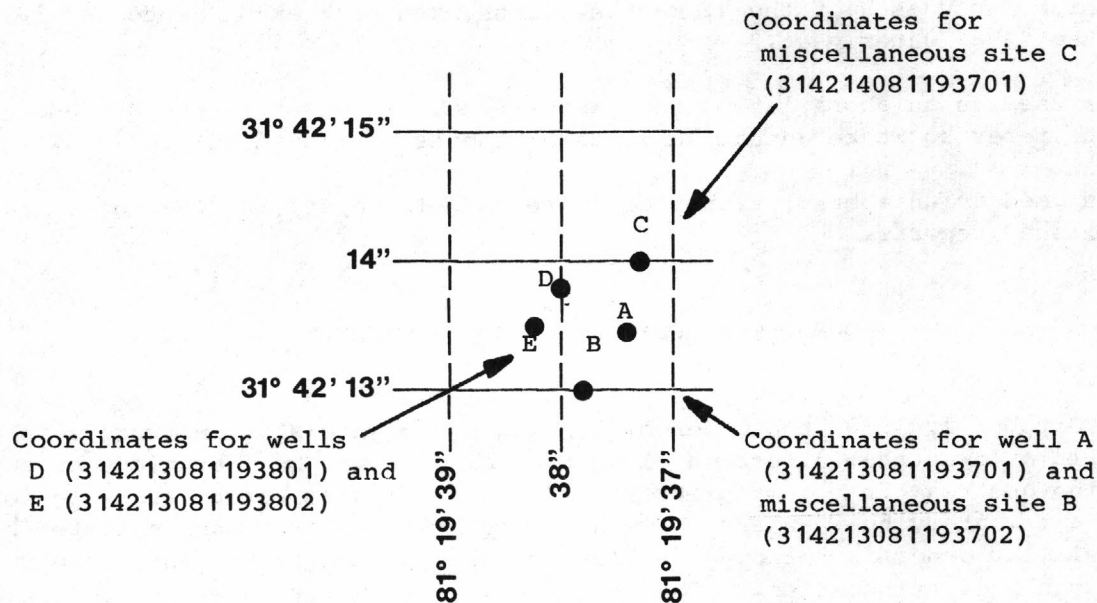


Figure 2.--System for numbering wells and miscellaneous sites (latitude and longitude)

#### 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.

National stream-quality accounting network (NASQAN) is a data collection network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of



streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of the commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

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

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

#### EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

##### Collection and computation of data

The data base collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs (fig. 3). In addition, observation of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard text-books, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, 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), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge 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 computed 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 the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

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

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

For some 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, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise, daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals 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 or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins on October 1 and ends on September 30.

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

Previously published streamflow records of 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 "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein 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, 1965 stands for the water year October 1, 1964 to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revision, the 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 figures 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.

Under "GAGE" are given the type of gage currently in use; the datum of the present gage referred to National Geodetic Vertical Datum; and a condensed history of the types, locations, and datums of previous gages used during the period of record. National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on Page 8.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of 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 given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding 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 on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with EXTREMES FOR THE CURRENT YEAR; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream 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. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, 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"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large non-contributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods 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, of indefinite stage-relation, or of any other unusual condition at the gage site 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.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at crest-stage partial-record stations follow the information for continuous record sites (fig. 4). Annual maximum stage and discharge is listed for each of these stations.

#### Accuracy of field data and computed results

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

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "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. The same rounding rules apply to discharge figures listed for partial-record stations.

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

#### Other data available

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

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

### EXPLANATION OF WATER-QUALITY RECORDS

#### Collection and examination of data

Surface water samples for analyses usually are collected at or near gaging stations (fig. 3). The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives periods of record for the various types of water-quality data (chemical, specific conductance, biological determination, water temperatures, sediment discharge), period of record and, extremes of pertinent data, and general remarks.

#### Water analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

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 a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

#### Water temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small daily temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-head discharges.

At stations where recording instruments are used, maximum, minimum, and mean temperatures for each day are published.

#### Sediment

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

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

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

## EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

The ground-water level data published in this report is from a basic network of observation wells located across the State (fig. 4). These wells penetrate and receive water from various aquifers and supply the most significant data on the regional ground-water conditions of the State.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs (fig. 2).

Each observation well is equipped with a digital tape recorder which automatically punches the depth to water in a well hourly. The recorders are checked periodically and the depth to water verified by tape measurements. Mechanical failures or other causes will interrupt the record or cause false values to be recorded which must be corrected. The blank spaces in the hydrographs are the results of such loss of record.

The hydrographs were plotted using the measurement of the mean value for each fifth day. Because this is a change from previous years, only the hydrograph for the 1980-81 water year is published.

Water-level measurements in this report are given in feet with reference to either National Geodetic Vertical Datum (NGVD) or land-surface datum (lsd). National Geodetic Vertical Datum of 1929 is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above National Geodetic Vertical Datum of 1929 is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description.

Water levels are reported to two significant figures. The accuracy of the measurement depends on the depth to water. The error increases with greater depths so that measurements of water levels one hundred feet or greater probably are not accurate to the degree indicated. However, successive measurements of water levels in a well by means of a recorder to determine net changes in the water level are considered to be that accurate.

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greason, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.



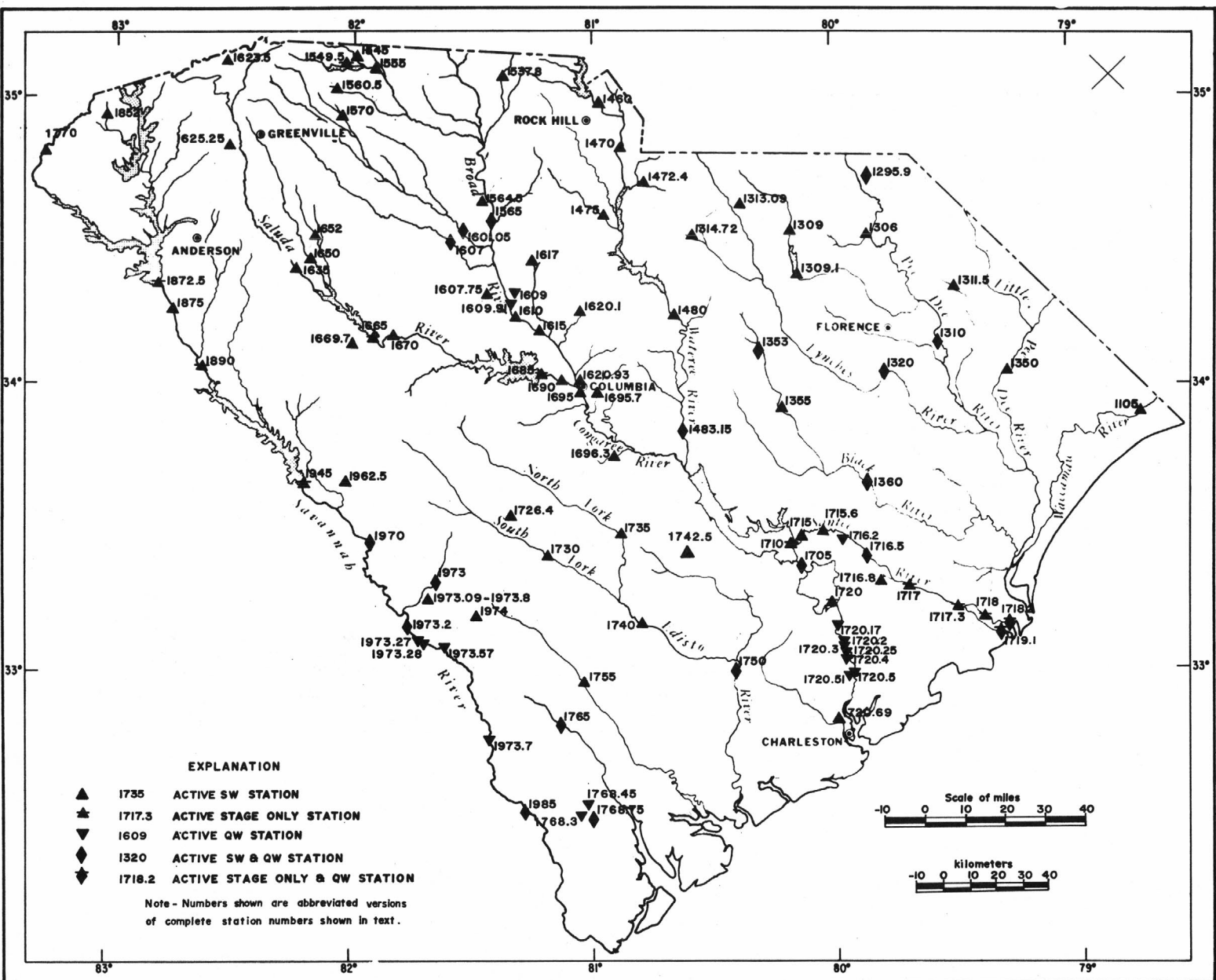


Figure 3.--Location of streamflow stations, reservoir or lake gaging stations, and water-quality stations.

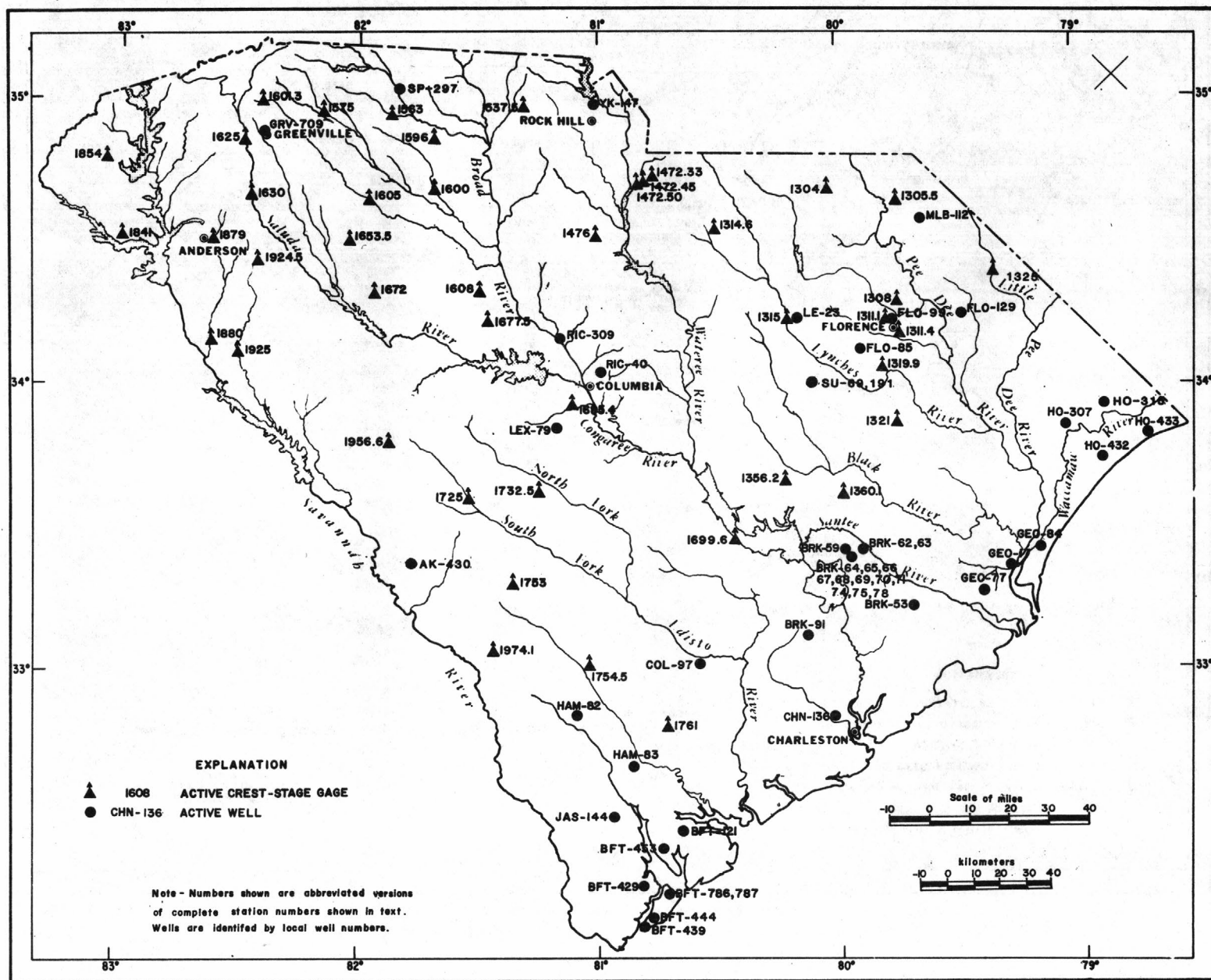


Figure 4.--Location of crest-stage stations and ground water wells.

## GAGING-STATION RECORDS

25

## WACCAMAW RIVER BASIN

02110500 WACCAMAW RIVER NEAR LONGS, S.C.

LOCATION.--Lat 33°54'45", long 78°42'55", Horry County, Hydrologic Unit 03040206, near right bank on downstream side of bridge on State Highway 9, 500 ft (152 m) downstream from Buck Creek, 2.1 mi (3.4 km) southeast of Longs, and at mile 85.4 (137.4 km).

DRAINAGE AREA.--1,110 mi<sup>2</sup> (2,875 km<sup>2</sup>), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 5.28 ft (1.609 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 11, 1967, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--31 years, 1,213 ft<sup>3</sup>/s (34.35 m<sup>3</sup>/s), 14.84 in/yr (377 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,200 ft<sup>3</sup>/s (459 m<sup>3</sup>/s) Aug. 23, 1981, gage height, 14.87 ft (4.532 m); minimum, 1 ft<sup>3</sup>/s (0.03 m<sup>3</sup>/s) Oct. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,200 ft<sup>3</sup>/s (459 m<sup>3</sup>/s) Aug. 23, gage height, 14.87 ft (4.532 m); minimum, 26 ft<sup>3</sup>/s (0.74 m<sup>3</sup>/s) Nov. 20, gage height, 0.63 ft (0.192 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	41	37	177	202	666	905	100	206	241	434	6360
2	84	41	37	214	209	648	975	90	223	243	539	5670
3	92	41	37	250	227	621	998	81	226	269	865	5060
4	96	41	37	282	235	588	1010	73	252	321	1110	4510
5	100	40	37	309	245	692	1020	67	290	335	1150	4020
6	101	40	36	331	258	761	1020	62	305	337	1160	3560
7	101	38	36	353	271	772	1010	62	300	338	1210	3110
8	97	37	35	373	285	790	1000	90	292	335	1240	2720
9	93	37	35	389	293	820	981	126	284	321	1290	2410
10	89	35	35	400	299	851	953	136	267	297	1650	2120
11	84	34	35	404	328	873	911	277	245	272	2000	1910
12	79	33	35	402	407	892	860	492	223	251	2090	1790
13	75	32	34	394	439	908	806	519	207	233	2300	1780
14	70	31	35	381	471	914	728	539	192	214	2610	1810
15	67	30	35	363	504	914	648	562	181	196	2720	1800
16	63	29	35	339	542	908	569	575	179	177	2630	1750
17	59	29	36	316	588	889	502	571	187	171	3000	1660
18	56	29	36	293	631	868	436	549	199	168	3790	1550
19	54	28	36	275	681	851	377	511	214	144	4720	1410
20	51	27	35	260	728	811	330	462	230	129	7670	1300
21	49	30	35	250	752	756	291	407	260	121	11600	1210
22	47	30	34	240	763	713	263	356	305	117	14700	1130
23	45	30	36	231	767	761	235	309	320	117	16000	1040
24	44	31	37	224	765	816	211	273	325	136	15700	981
25	45	32	37	218	754	820	187	240	322	180	14400	936
26	42	32	37	213	741	825	168	209	311	206	12800	900
27	40	35	40	209	721	834	151	183	294	215	11200	860
28	40	36	53	207	696	841	136	184	277	212	10100	813
29	40	36	94	205	---	848	123	198	261	195	9060	752
30	40	37	117	203	---	856	110	191	247	255	8050	683
31	42	---	144	203	---	863	---	187	---	430	7140	---
TOTAL	2061	1022	1378	8908	13802	24970	17914	8681	7624	7176	174928	65605
MEAN	66.5	34.1	44.5	287	493	805	597	280	254	231	5643	2187
MAX	101	41	144	404	767	914	1020	575	325	430	16000	6360
MIN	40	27	34	177	202	588	110	62	179	117	434	683
CFSM	.06	.03	.04	.26	.44	.73	.54	.25	.23	.21	5.08	1.97
IN.	.07	.03	.05	.30	.46	.84	.60	.29	.26	.24	5.86	2.20

CAL YR 1980 TOTAL 343573 MEAN 939 MAX 6190 MIN 24 CFSM .85 IN 11.51  
WTR YR 1981 TOTAL 334069 MEAN 915 MAX 16000 MIN 27 CFSM .82 IN 11.20

02129590 WHITES CREEK NEAR WALLACE, S.C.

LOCATION.--Lat 34°45'20", long 79°53'00", Marlboro County, Hydrologic Unit 03040201, on the upstream side of the U.S. Highway 1 bridge, 100 ft (30 m) downstream from lake spillway, and 3.0 miles (4.8 km) northwest of Wallace.

DRAINAGE AREA.--26.4 mi<sup>2</sup> (68.4 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1979 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 100 ft (30.5 m) (from topographic map).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 278 ft<sup>3</sup>/s (7.87 m<sup>3</sup>/s) Mar. 29, 1980, gage height, 4.94 ft (1.506 m); minimum, 0.11 ft<sup>3</sup>/s (0.003 m<sup>3</sup>/s) June 29, 30, July 1, 2, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 156 ft<sup>3</sup>/s (4.42 m<sup>3</sup>/s) Oct. 2, gage height, 3.73 ft (1.136 m); minimum, 0.11 ft<sup>3</sup>/s (0.003 m<sup>3</sup>/s) June 29, 30, July 1, 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	23	19	32	17	17	16	3.1	12	.12	8.5	4.8
2	133	28	18	30	23	16	14	3.0	8.0	.14	34	4.2
3	123	23	16	27	26	15	15	2.4	6.7	2.8	34	4.8
4	74	20	15	25	28	16	13	2.3	5.8	7.8	39	4.6
5	41	19	15	23	28	23	12	2.1	5.1	8.7	49	4.3
6	23	17	14	22	24	23	12	2.4	4.8	27	32	3.8
7	17	18	14	21	22	24	11	4.9	4.1	32	25	5.8
8	15	18	14	20	23	24	11	6.2	3.8	15	13	4.0
9	13	16	14	20	22	20	10	6.6	3.0	8.2	9.7	8.7
10	12	14	23	21	22	16	10	8.9	2.3	5.3	9.7	2.4
11	11	12	32	20	56	15	9.4	11	1.9	3.6	9.2	10
12	9.7	10	33	17	64	14	8.9	11	1.5	2.7	6.6	4.9
13	8.9	10	43	15	71	14	8.7	14	1.5	2.0	5.6	7.4
14	8.0	11	35	16	76	13	8.2	16	1.3	2.6	5.1	5.8
15	7.8	12	25	17	52	12	8.0	10	.87	3.3	4.3	4.8
16	8.0	16	22	18	37	12	5.9	6.7	.49	1.9	3.8	3.6
17	8.2	19	22	18	31	11	6.7	4.9	.54	2.4	3.8	3.4
18	5.2	28	22	17	28	12	6.7	3.9	.54	1.8	3.4	2.8
19	8.2	28	25	16	32	13	6.6	3.4	.49	1.5	8.9	1.9
20	8.5	29	24	17	35	12	6.6	3.4	.73	1.6	14	1.8
21	4.2	29	20	23	32	12	6.0	5.3	1.0	1.8	12	1.8
22	8.5	24	17	25	32	15	6.0	5.1	1.4	1.5	13	1.6
23	9.4	20	19	26	29	20	5.6	6.0	1.9	1.3	11	1.7
24	11	23	20	28	25	22	5.6	6.4	1.6	.47	8.2	.96
25	12	27	25	24	21	21	4.9	5.1	1.1	1.4	6.2	.66
26	12	25	23	21	19	20	4.8	3.9	.96	1.1	4.8	.60
27	13	29	22	19	18	17	4.6	6.0	.54	.73	3.8	.60
28	12	27	24	18	17	14	3.9	14	.31	.87	3.3	.80
29	13	23	27	17	---	12	3.6	16	.13	1.4	3.3	.73
30	19	21	31	18	---	14	3.6	27	.11	2.4	3.9	.60
31	21	---	34	17	---	15	---	26	---	4.5	3.6	---
TOTAL	737.6	619	707	648	910	504	253.3	247.0	74.51	148.73	391.7	121.85
MEAN	23.8	20.6	22.8	20.9	32.5	16.3	8.44	7.97	2.48	4.80	12.6	4.06
MAX	133	29	43	32	76	24	18	27	12	32	49	10
MIN	7.8	10	14	15	17	11	3.6	2.1	.11	.12	3.3	.60

CAL YR 1980 TOTAL 12006.00 MEAN 32.8 MAX 269 MIN 2.2  
WTR YR 1981 TOTAL 5362.69 MEAN 14.7 MAX 133 MIN .11



02129590 WHITES CREEK NEAR WALLACE, S.C.--Continued

## WATER QUALITY RECORDS

PERIOD OF RECORD.--October 1979 to current year.

INSTRUMENTATION.--Servo Programmer since October 1979.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum &gt;31.5°C June 5, 1980; minimum 1.0°C Mar. 2-3, Dec. 28, 1980.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum &gt;31.0°C June 4-28, July 6-30; minimum 1.0 Dec. 28, 1980.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	20.0	19.0	19.5	14.5	13.0	14.0	8.5	4.5	5.5	6.0	5.0	5.5
2	20.0	18.5	19.5	15.5	13.5	14.5	8.5	5.0	6.5	6.0	3.5	5.0
3	20.0	19.5	19.5	15.0	13.5	14.0	10.0	5.5	7.0	6.0	3.5	5.0
4	20.0	18.0	19.0	14.5	13.5	14.0	6.5	5.0	6.0	5.5	3.5	5.0
5	20.0	19.0	19.5	14.5	12.5	13.5	8.0	4.0	6.0	4.0	2.5	3.5
6	21.0	17.5	18.5	15.5	13.0	14.0	8.0	5.0	6.0	3.5	2.0	3.0
7	21.0	17.0	19.0	13.5	11.5	12.5	8.5	5.0	6.5	4.0	3.0	3.5
8	20.5	16.5	18.5	16.5	12.5	14.0	10.5	6.5	8.5	4.0	3.0	3.5
9	25.0	18.0	20.5	16.5	13.5	15.5	10.0	8.5	9.0	4.0	2.0	3.0
10	25.5	20.0	22.5	17.5	15.0	16.0	11.5	10.0	10.5	3.5	2.5	3.0
11	24.5	20.5	22.5	16.5	13.5	15.0	11.0	10.5	11.0	3.0	2.0	2.5
12	24.5	20.5	22.0	15.0	12.0	13.5	10.5	9.5	10.0	3.0	2.0	2.5
13	22.5	19.5	21.0	13.5	11.0	12.0	10.0	9.0	9.0	3.5	2.5	3.0
14	20.5	18.5	19.5	14.5	10.5	12.5	9.0	8.0	9.0	4.0	2.0	3.0
15	20.0	17.5	18.5	14.0	12.5	13.5	9.0	7.5	8.5	4.5	2.0	3.0
16	22.0	18.5	19.5	14.0	12.5	13.5	8.5	8.0	8.0	4.5	2.5	3.5
17	22.0	19.5	20.5	13.5	12.5	13.0	8.0	7.5	8.0	4.0	3.0	3.0
18	23.0	20.5	21.5	12.5	11.5	12.0	8.0	5.0	6.5	3.5	2.0	3.0
19	22.5	19.0	21.0	11.5	9.0	11.0	7.5	5.0	6.0	3.5	2.5	3.0
20	24.5	20.0	22.0	9.5	8.5	9.0	8.0	6.5	7.5	3.5	3.0	3.5
21	20.5	18.5	19.5	9.5	6.5	8.0	6.0	4.0	5.0	4.0	3.5	3.5
22	19.5	18.0	19.0	9.0	7.0	8.0	4.5	3.5	4.0	4.0	3.5	3.5
23	19.0	16.0	18.0	7.0	6.5	6.5	4.5	3.5	4.0	4.5	3.5	4.0
24	17.0	16.5	16.5	7.0	6.5	6.5	4.5	4.0	4.0	5.5	4.0	4.5
25	16.5	15.0	16.0	8.5	7.0	8.0	4.5	2.5	3.5	5.5	3.0	4.5
26	15.5	13.5	14.5	8.0	7.0	7.5	3.0	2.0	2.5	5.0	4.5	5.0
27	15.5	14.0	14.5	7.5	7.0	7.0	2.5	1.5	2.0	6.0	5.0	5.5
28	15.0	13.5	14.5	7.0	6.5	6.5	3.0	1.0	2.0	7.5	5.5	6.5
29	16.0	15.0	15.5	6.5	5.5	6.0	4.5	3.0	3.5	7.5	5.5	6.5
30	15.5	14.5	15.0	6.0	5.5	5.5	4.5	4.0	4.5	7.0	4.5	5.5
31	14.5	13.5	14.0	---	---	---	5.0	4.5	5.0	5.5	4.5	5.0

02129590 WHITES CREEK NEAR WALLACE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.5	3.0	4.5	13.0	11.0	12.0	21.0	17.0	18.5	27.0	23.5	24.5
2	6.5	4.0	4.5	14.0	12.0	13.0	22.5	17.0	18.5	25.0	23.0	24.0
3	6.5	4.5	6.0	14.5	12.0	12.5	21.5	17.0	19.0	26.0	21.5	23.5
4	5.5	5.0	5.0	14.0	11.0	12.5	22.0	18.0	19.0	27.5	21.0	24.0
5	5.5	4.0	4.5	11.5	10.5	11.0	22.0	18.5	19.5	28.0	22.0	25.0
6	5.0	4.0	4.5	13.0	11.0	12.0	21.5	17.5	19.5	26.0	23.5	25.0
7	4.5	3.5	3.5	13.5	11.0	12.5	21.0	17.5	19.0	24.0	21.0	22.5
8	4.5	4.0	4.0	13.5	11.0	12.5	22.0	18.0	19.0	20.5	19.0	20.0
9	5.0	3.5	4.5	13.0	11.0	12.0	21.5	18.5	19.5	21.0	18.0	19.5
10	6.0	4.5	5.0	13.5	11.0	12.0	23.0	19.5	21.0	21.0	20.0	20.5
11	9.0	6.0	7.5	12.5	10.0	11.5	25.0	19.0	21.5	21.5	20.5	21.0
12	8.0	6.0	6.5	12.5	9.0	10.0	24.5	21.0	22.5	25.0	20.5	22.5
13	6.0	4.0	5.0	12.5	9.5	11.0	26.5	23.0	24.5	25.0	21.5	23.5
14	5.5	4.0	4.5	12.5	10.5	11.5	24.0	22.5	23.5	25.5	22.5	24.0
15	7.5	5.0	6.0	13.5	10.5	12.0	24.0	21.5	22.5	25.5	23.0	24.0
16	9.0	6.5	7.0	12.0	9.5	11.0	24.5	19.5	21.0	26.0	22.0	24.0
17	10.0	7.5	9.0	11.5	9.0	10.0	23.0	19.5	21.0	26.5	23.0	24.5
18	12.0	9.5	11.0	10.5	9.5	10.0	24.5	19.5	22.0	27.0	23.5	24.5
19	12.0	10.0	11.0	11.0	8.5	9.0	25.5	22.0	24.0	28.0	25.0	26.0
20	13.0	10.5	11.5	9.5	8.5	9.0	27.5	22.5	24.0	26.0	22.5	24.0
21	14.5	11.5	13.0	11.0	8.0	9.5	23.5	21.5	22.5	23.5	21.0	22.5
22	15.0	12.0	13.5	10.0	8.5	9.0	23.0	21.0	22.0	25.5	21.0	22.0
23	14.5	11.0	12.5	9.5	7.0	8.0	24.5	21.0	22.5	27.5	22.5	24.0
24	14.0	11.0	12.5	10.0	6.5	8.0	22.5	21.0	21.5	27.5	23.5	25.5
25	14.0	10.5	13.0	13.5	7.5	10.0	25.0	20.0	21.5	28.0	25.0	26.5
26	14.0	11.5	13.0	15.0	11.0	12.5	25.5	19.5	21.5	27.0	24.5	26.0
27	14.0	12.0	12.5	16.0	11.5	13.0	28.0	20.0	23.0	25.5	25.0	26.5
28	13.0	10.0	11.5	18.5	13.0	15.0	27.5	23.0	24.5	25.5	23.0	24.5
29	---	---	---	18.0	14.5	15.5	25.0	22.5	24.0	25.0	23.5	24.5
30	---	---	---	20.0	15.0	16.5	26.5	23.0	25.0	28.5	25.0	26.5
31	---	---	---	22.0	16.5	19.0	---	---	---	30.0	26.0	28.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.5	27.5	28.5	26.5	21.5	24.0	26.5	25.0	25.5	---	---	---
2	29.5	27.0	28.0	24.5	22.0	23.5	25.0		25.5	---	---	---
3	28.5	26.5	27.5	26.0	23.5	24.5	27.0	25.0	26.5	---	---	---
4	31.0	27.0	---	26.0	24.5	25.0	27.0	26.0	26.5	---	---	---
5	31.0	27.5	---	28.0	25.0	26.0	---	---	---	---	---	---
6	31.0	28.5	---	31.0	25.5	---	---	---	---	---	---	---
7	31.0	28.0	---	31.0	27.0	---	---	---	---	---	---	---
8	31.0	29.0	---	31.0	28.0	---	---	---	---	---	---	---
9	31.0	29.0	---	31.0	31.0	---	---	---	---	24.5	21.0	22.5
10	31.0	29.5	---	31.0	31.0	---	---	---	---	27.5	25.0	26.0
11	31.0	31.0	---	31.0	31.0	---	---	---	---	27.5	23.5	25.0
12	31.0	30.0	---	31.0	31.0	---	---	---	---	28.0	24.0	26.0
13	31.0	29.5	---	31.0	31.0	---	---	---	---	28.5	25.0	27.0
14	31.0	31.0	---	31.0	31.0	---	---	---	---	29.0	26.0	27.0
15	31.0	31.0	---	31.0	31.0	---	---	---	---	29.5	26.0	27.5
16	31.0	31.0	---	31.0	31.0	---	---	---	---	28.0	26.5	27.0
17	31.0	31.0	---	31.0	31.0	---	---	---	---	27.0	26.5	26.5
18	31.0	28.5	---	31.0	31.0	---	---	---	---	26.0	24.0	26.0
19	31.0	27.5	---	31.0	31.0	---	---	---	---	24.5	23.5	24.0
20	31.0	26.5	---	31.0	31.0	---	---	---	---	24.0	21.5	22.5
21	31.0	27.0	---	31.0	31.0	---	---	---	---	24.5	21.0	22.5
22	31.0	31.0	---	31.0	31.0	---	---	---	---	24.0	21.0	22.5
23	31.0	31.0	---	31.0	31.0	---	---	---	---	24.0	21.5	22.5
24	31.0	31.0	---	31.0	31.0	---	---	---	---	24.0	20.5	22.0
25	31.0	28.0	---	31.0	31.0	---	---	---	---	24.0	20.0	22.0
26	31.0	27.5	---	31.0	31.0	---	---	---	---	23.5	20.0	21.5
27	31.0	25.5	---	31.0	28.5	---	---	---	---	23.0	20.0	21.5
28	31.0	23.5	---	31.0	31.0	---	---	---	---	22.0	21.0	22.5
29	28.0	21.5	25.0	31.0	31.0	---	---	---	---	24.5	20.5	22.5
30	26.0	22.0	24.0	31.0	27.0	---	---	---	---	23.5	20.0	22.0
31	---	---	---	27.0	25.5	26.0	---	---	---	---	---	---

YEAR	31.0	1.0	15.0									
------	------	-----	------	--	--	--	--	--	--	--	--	--

02130600 CEDAR CREEK AT SOCIETY HILL, S.C.

LOCATION.--Lat 34°31'24", long 79°51'16", Darlington County, Hydrologic Unit 03040201, on upstream side of old highway bridge, 300 ft (91 m) downstream from U.S. Highway 52, 0.3 mi (0.5 km) upstream from Seaboard Coast Line Railroad at Society Hill, and at mile 1.7 (2.7 km).

DRAINAGE AREA.--58.2 mi<sup>2</sup> (151 km<sup>2</sup>).

PERIOD OF RECORD.--October 1970 to September 1981 (discontinued). Occasional low-flow measurements, water years 1949-65.

REVISED RECORDS.--WDF SC-77: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 71.04 ft (21.653 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--11 years, 92.8 ft<sup>3</sup>/s (2.63 m<sup>3</sup>/s), 21.65 in/yr (550 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 750 ft<sup>3</sup>/s (21.2 m<sup>3</sup>/s) June 23, 1973; maximum gage height, 12.57 ft (3.831 m) Feb. 27, 1979 (backwater from Pee Dee River); minimum daily, 8.7 ft<sup>3</sup>/s (0.25 m<sup>3</sup>/s) June 27-30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 312 ft<sup>3</sup>/s (8.84 m<sup>3</sup>/s), Oct. 2, gage height, 5.75 ft (1.753 m); minimum daily, 8.7 ft<sup>3</sup>/s (0.25 m<sup>3</sup>/s) June 27-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	61	52	64	41	38	53	17	50	12	244	36
2	276	60	44	59	47	39	54	16	40	17	231	33
3	224	51	46	54	57	38	56	16	38	33	228	28
4	133	46	45	51	61	38	57	15	41	62	221	26
5	90	49	44	47	58	48	47	14	46	76	195	25
6	60	57	43	45	52	61	43	15	39	86	123	24
7	43	56	43	45	48	69	43	16	29	71	88	24
8	37	50	42	48	48	62	42	29	24	51	67	24
9	36	45	42	48	48	51	40	44	20	37	61	30
10	36	41	44	47	46	45	38	40	18	30	54	41
11	33	40	53	46	57	42	37	35	16	31	49	39
12	31	38	61	44	80	41	36	36	14	36	50	34
13	29	38	61	44	89	41	35	34	13	44	48	30
14	28	37	54	43	93	40	31	27	12	42	45	28
15	24	39	48	44	91	38	33	22	12	37	41	26
16	27	47	46	44	71	37	36	18	11	31	63	24
17	28	48	44	44	58	36	35	17	9.0	41	186	25
18	27	69	43	43	53	37	33	16	9.3	40	103	27
19	29	71	42	42	51	42	31	18	9.7	26	70	27
20	31	72	42	41	51	48	33	20	11	23	87	25
21	31	69	41	48	51	47	37	33	18	25	91	23
22	29	62	40	57	49	45	36	42	18	28	94	22
23	29	51	47	62	46	54	31	34	14	24	86	21
24	36	57	64	60	45	70	28	24	10	20	59	20
25	46	55	73	53	42	78	28	19	9.3	20	49	18
26	50	58	75	48	41	78	26	18	9.3	25	41	18
27	46	59	66	46	40	64	23	17	8.7	28	35	18
28	41	57	61	45	38	51	22	44	8.7	24	31	17
29	39	57	66	44	---	46	19	67	8.7	20	28	19
30	41	55	70	42	---	45	17	78	8.7	47	28	17
31	54	---	70	41	---	47	---	77	---	131	34	---
TOTAL	1780	1615	1617	1489	1552	1516	1080	918	575.4	1218	2830	769
MEAN	57.4	53.8	52.2	48.0	55.4	48.9	36.0	29.6	19.2	39.3	91.3	25.6
MAX	276	72	75	64	93	78	57	78	50	131	244	41
MIN	27	37	40	41	38	36	17	14	8.7	12	28	17
CFS4	.99	.92	.90	.83	.95	.84	.62	.51	.33	.68	1.57	.44
IN	1.14	1.03	1.03	.95	.99	.97	.69	.59	.37	.78	1.81	.49

CAL YR 1940 TOTAL 27434.6 MEAN 75.0 MAX 681 MIN 9.3 CFS4 1.29 IN 17.54  
WTR YR 1941 TOTAL 16959.4 MEAN 46.5 MAX 276 MIN 8.7 CFS4 .80 IN 10.84

02130900 BLACK CREEK NEAR MCPREE, S.C.

LOCATION.--Lat 34°30'50", long 80°11'00", Chesterfield County, Hydrologic Unit 03040201, near right bank at downstream side of bridge on U.S. Highway 1, 0.2 mi (0.3 km) upstream from Little Alligator Creek, 5.3 mi (8.5 km) northeast of McBee, and at mile 59.1 (95.1 km).

DRAINAGE AREA.--108 mi<sup>2</sup> (280 km<sup>2</sup>).

PERIOD OF RECORD.--October 1959 to current year. Occasional low-flow measurements, water years 1956-59.

GAGE.--Water-stage recorder. Datum of gage is 224.72 ft (68.495 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 22, 1959, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--22 years, 167 ft<sup>3</sup>/s (4.749 m<sup>3</sup>/s), 21.00 in/yr (533 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,770 ft<sup>3</sup>/s (50.1 m<sup>3</sup>/s) July 16, 1975, gage height, 11.29 ft (3.441 m); minimum 17 ft<sup>3</sup>/s (0.48 m<sup>3</sup>/s) June 29, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft<sup>3</sup>/s (14.2 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
July 5	2300	666	18.9	9.47	2.886
Aug. 5	0100	649	18.4	9.43	2.874

Minimum discharge, 17 ft<sup>3</sup>/s (0.48 m<sup>3</sup>/s) June 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	350	115	89	131	73	96	124	46	45	22	187	73
2	356	110	85	123	89	93	133	45	43	23	244	64
3	335	92	81	110	108	90	138	45	51	46	421	59
4	377	79	78	101	115	86	151	44	60	234	415	57
5	295	86	75	95	103	104	157	44	52	480	552	55
6	177	110	75	93	86	127	129	42	44	552	356	61
7	113	113	77	98	80	147	112	46	37	318	271	90
8	96	96	79	99	80	144	102	70	34	184	196	104
9	86	86	79	103	81	123	93	44	33	108	167	118
10	78	79	90	99	79	103	89	70	32	91	167	121
11	72	74	121	92	182	98	88	70	28	66	159	96
12	66	67	134	89	215	93	84	70	25	54	146	70
13	63	65	141	85	213	88	81	61	24	49	145	61
14	61	64	121	84	330	85	77	52	23	63	115	55
15	61	69	105	88	335	83	80	47	22	44	103	52
16	60	102	97	88	228	82	78	42	21	34	101	50
17	60	121	94	86	154	80	74	40	19	45	91	54
18	59	169	93	84	133	78	72	38	19	76	95	62
19	61	161	92	82	133	81	70	37	19	83	94	62
20	61	154	90	80	152	84	74	36	29	56	134	55
21	59	141	86	90	153	85	73	39	58	54	142	51
22	58	115	84	99	159	84	67	39	42	44	132	48
23	55	103	97	100	165	116	65	38	29	37	102	45
24	59	109	110	92	147	157	74	35	24	33	86	43
25	77	132	113	85	126	164	59	32	21	60	78	41
26	80	126	106	81	113	175	53	30	20	86	69	41
27	76	116	99	80	105	170	50	32	19	95	62	41
28	72	104	109	79	100	129	51	111	18	80	58	40
29	70	97	126	71	---	108	50	116	17	71	55	40
30	77	93	134	70	---	104	48	79	20	183	55	40
31	98	---	141	72	---	117	---	55	---	190	69	---
TOTAL	3668	3148	3101	2829	4037	3374	2596	1635	928	3561	5067	1849
MEAN	118	105	100	91.3	144	109	86.5	52.7	30.9	115	163	61.6
MAX	377	169	141	131	335	175	157	116	60	552	552	121
MIN	55	64	75	70	73	78	48	30	17	22	55	40
CFSM	1.09	.97	.93	.85	1.33	1.01	.80	.49	.29	1.07	1.51	.57
IN.	1.26	1.08	1.07	.97	1.39	1.16	.89	.56	.32	1.23	1.75	.64

CAL YR 1980 TOTAL 52912 MEAN 145 MAX 926 MIN 32 CFSM 1.34 IN 18.23  
WTR YR 1981 TOTAL 35793 MEAN 98.1 MAX 552 MIN 17 CFSM .91 IN 12.33



LOCATION.--Lat 34°23'50", long 80°09'00", Darlington County, Hydrologic Unit 03040201, at downstream side of bridge on State Road 23, 1,000 ft (300 m) downstream from dam at H. R. Robinson steam electric plant, 2.1 mi (3.4 km) upstream from Beaverdam Creek, 4.6 mi (7.4 km) west of Hartsville, and at mile 49.9 (80.3 km).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 510 ft<sup>3</sup>/s (14.4 m<sup>3</sup>/s) Aug. 6, gage height, 6.99 ft (2.131 m); minimum, 32 ft<sup>3</sup>/s (0.91 m<sup>3</sup>/s) July 2.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151	141	163	164	130	176	184	89	107	53	197	127
2	216	147	159	163	136	175	186	87	105	52	240	125
3	262	145	160	160	142	167	178	78	108	39	315	122
4	286	149	150	162	145	160	175	83	114	54	376	118
5	312	155	146	160	149	174	178	98	112	80	440	116
6	301	152	143	160	148	176	190	93	108	161	495	116
7	270	149	141	160	150	178	177	99	103	236	489	117
8	238	149	140	150	149	178	168	99	97	260	451	121
9	213	148	139	150	147	179	161	93	91	238	399	129
10	196	148	152	146	142	176	158	94	86	204	351	129
11	175	146	158	141	205	168	150	94	82	184	317	129
12	163	140	156	142	251	161	146	84	74	188	304	127
13	149	131	159	132	258	155	143	84	70	163	280	123
14	138	129	164	130	267	154	135	83	117	145	258	116
15	130	135	162	132	303	145	139	90	81	171	233	110
16	126	149	158	134	327	149	129	97	81	190	208	106
17	124	155	156	136	317	133	125	93	76	219	193	106
18	121	174	150	129	293	131	123	93	72	120	177	103
19	122	182	149	129	278	142	121	91	81	131	181	96
20	123	187	149	130	268	139	125	93	47	107	190	92
21	119	199	142	144	257	134	121	93	68	128	183	91
22	117	196	138	144	239	140	116	87	68	92	185	90
23	118	189	149	146	233	166	113	85	56	123	176	90
24	124	188	152	147	233	168	113	82	57	114	172	83
25	119	196	160	145	221	175	110	81	57	93	166	79
26	119	190	149	142	209	180	103	85	53	81	156	78
27	120	186	157	141	195	190	100	86	50	91	146	78
28	121	182	161	145	182	196	96	86	48	104	138	80
29	125	175	159	139	---	186	92	103	48	88	132	77
30	135	170	158	140	---	183	89	108	53	127	131	75
31	139	---	161	134	---	186	---	106	---	176	129	---
TOTAL	5172	4882	4740	4477	5974	5120	4144	2817	2370	4212	7808	3149
MEAN	167	163	153	144	213	165	138	90.9	79.0	136	252	105
MAX	312	199	164	164	327	196	190	108	117	260	495	129
MIN	117	129	138	129	130	131	89	78	47	39	129	75
CFSM	.97	.94	.88	.83	1.23	.95	.80	.53	.46	.79	1.46	.61
IN.	1.11	1.05	1.02	.96	1.28	1.10	.89	.61	.51	.91	1.68	.68
CAL YR 1980	TOTAL	74936	MEAN 205	MAX	1140	MIN 63	CFSM	1.19	IN 16.11			

02131000 PEE DEE RIVER AT PEEDDEE, S.C.  
(National stream-quality accounting network station)  
(Radiochemical program station)

LOCATION.--Lat 34°12'15", long 79°32'55", Marion County, Hydrologic Unit 03040201, in pier of bridge on U.S. Highway 76 at Peedee, 0.2 mi (0.3 km) downstream from Seaboard Coast Line Railroad bridge, 8.2 mi (13.2 km) downstream from Black Creek, and at mile 100.2 (161.2 km).

DRAINAGE AREA.--8,830 mi<sup>2</sup> (22,870 km<sup>2</sup>), approximately.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303. Prior to October 1947, published as "near Mars Bluff." Gage-height records collected at practically same site since 1923 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1233: Drainage area. WSP 1623: 1933, 1945-51 (monthly and yearly runoff).

GAGE.--Water-stage recorder. Datum of gage is 24.73 ft (7.537 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1947, at site 1.6 mi (2.6 km) downstream at datum 1.27 ft (0.387 m) lower.

REMARKS.--Records poor. Flow regulated by six powerplants above station. Combined usable capacity of reservoirs, 30,819,624,000 ft<sup>3</sup> (872,811,800 m<sup>3</sup>).

AVERAGE DISCHARGE.--43 years, 9,748 ft<sup>3</sup>/s (276.1 m<sup>3</sup>/s), 14.99 in/yr (381 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 220,000 ft<sup>3</sup>/s (6,230 m<sup>3</sup>/s) Sept. 22, 1945, gage height, 33.30 ft (10.150 m) (site and datum then in use) from rating curve extended above 76,000 ft<sup>3</sup>/s (2,150 m<sup>3</sup>/s) on basis of discharge measurement of 221,000 ft<sup>3</sup>/s (6,260 m<sup>3</sup>/s) at Cheraw; minimum, 700 ft<sup>3</sup>/s (19.8 m<sup>3</sup>/s) Sept. 29, 1954, gage height, 0.60 ft (0.18 m) (from graph based on gage readings).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,000 ft<sup>3</sup>/s (538 m<sup>3</sup>/s), gage height, 18.72 ft (5.706 m); minimum daily, 1,200 ft<sup>3</sup>/s (34.0 m<sup>3</sup>/s) May 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4680	6770	5790	5170	5450	7730	5790	2400	4720	1800	5590	1800
2	8520	5420	4480	5740	3830	6440	6310	2200	3200	2900	6230	4470
3	10600	3960	4730	4730	2400	4690	6940	2000	1900	3400	5550	5150
4	9430	2800	5490	4140	3280	6060	6480	1800	6420	6840	7720	4130
5	7620	4160	6870	3730	4110	7100	4960	1800	8430	13200	10100	3000
6	6330	5680	6370	3270	5180	8630	3920	1900	9660	16700	10800	2500
7	4410	5830	5240	4470	5640	9000	3330	1900	9780	16000	10500	2400
8	4740	5890	4090	5040	4380	5900	5100	3140	9250	14200	7910	3700
9	5070	4980	3400	5760	3370	3490	6760	3200	8940	9820	5660	8390
10	5620	4270	4610	5570	2300	3260	6370	4010	9810	5860	4410	9700
11	5610	3920	5200	4590	5190	5670	5280	4330	9460	6520	4550	10100
12	4570	4890	6670	3980	9680	5840	3960	3560	9070	7070	6670	9380
13	3410	5030	7180	2200	16500	6390	2500	2400	8740	5340	8090	7050
14	2700	5440	5550	3850	18800	6480	1800	4320	9590	4050	12100	4020
15	4240	5010	4120	5110	18300	5910	4730	3980	11800	6520	13700	3560
16	4170	5490	3600	4580	15700	3840	4930	1800	9410	6320	12000	5550
17	5240	6190	4740	4960	11100	3850	4220	1700	7210	3800	7260	4900
18	5290	4900	5330	4750	8300	4670	5320	1600	6970	3300	4330	4050
19	4310	6750	6260	3550	7750	4690	4940	1300	6590	2800	3760	6180
20	2500	6180	6020	2100	8470	4780	2900	3700	5960	2400	7630	7430
21	1800	4930	4990	3260	11000	5480	1800	4710	5080	2500	10200	6330
22	4300	4420	4200	4140	14400	5060	4560	4870	3700	4050	10800	4050
23	5170	4950	4620	4320	13900	3830	4640	4270	2900	4630	8940	2900
24	4700	4340	5340	3980	11900	3970	3200	2800	3800	3200	5790	2200
25	4850	3510	3920	4000	10400	5570	2800	2700	4270	3200	3970	3140
26	4930	5820	4630	3430	9350	5160	2300	2600	5150	3300	4900	2800
27	3100	8210	3960	2100	8030	6910	1900	1200	5240	3400	5080	2200
28	2600	8880	4970	3160	8100	6830	1400	2800	4650	4000	3200	1900
29	3810	7700	4790	4500	---	5530	1300	6110	3600	5660	2200	2000
30	4530	5590	4020	4650	---	3810	1300	5390	2400	5420	2000	3150
31	5490	---	3940	4650	---	4100	---	5070	---	4970	1900	---
TOTAL	154340	161910	155120	129480	246810	170670	121640	95560	197700	183170	213540	138130
MEAN	4979	5397	5004	4177	8815	5505	4055	3083	6590	5909	6888	4604
MAX	10600	8880	7180	5760	18800	9000	6940	6110	11800	16700	13700	10100
MIN	1800	2800	3400	2100	2300	3260	1300	1200	1900	1800	1900	1800
CFSM	.56	.61	.57	.47	1.00	.62	.46	.35	.75	.67	.78	.52
IN.	.65	.68	.65	.55	1.04	.72	.51	.40	.83	.77	.90	.58

CAL YR 1980 TOTAL 3848000 MEAN 10510 MAX 42500 MIN 1800 CFSM 1.19 IN 16.21  
WTR YR 1981 TOTAL 1968070 MEAN 5392 MAX 18800 MIN 1200 CFSM .61 IN 8.29

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1948 to September 1949, October 1961 to August 1974, October 1977 to current year.

PERIOD OF DAILY RECORDS.--

SPECIFIC CONDUCTANCE: June 1978 to September 1981 (discontinued).

WATER TEMPERATURE: February 1967 to September 1969, March to September 1972, June 1978 to current year.

SUSPENDED-SEDIMENT DISCHARGE: February 1967 to September 1972.

INSTRUMENTATION.--Water quality mini monitor June 1978 to September 1981.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 298 micromhos Apr. 28, 1980; minimum, 31 micromhos June 19, 1978.

WATER TEMPERATURE: Maximum, 33.0°C July 20, 21, 1981; minimum, 1.5°C Feb. 20, 1979.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)
NOV 25...	1200	2410	87	6.8	12.0	1.0	9.8	--	--	16
JAN 14...	1215	2450	94	6.7	2.0	2.0	13.1	410	K25	19
MAR 10...	1230	--	--	--	--	--	--	K21	K33	--
MAY 12...	1030	2730	115	7.0	20.5	10	8.1	52	152	20
JUL 14...	1145	3560	81	7.0	30.0	26	5.9	--	--	18
SEP 09...	1200	6740	87	7.0	27.0	33	6.8	227	270	18
DATE	HARD- NESS NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	POTAS- SIUM 40 DIS- SOLVED (PCI/L AS K40)	ALKA- LINITY LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)
NOV 25...	0	3.6	1.6	9.6	53	1.1	2.1	1.6	23	7.2
JAN 14...	0	4.6	1.8	10	50	1.0	2.0	1.5	24	7.9
MAR 10...	--	--	--	--	--	--	--	--	--	--
MAY 12...	--	4.2	2.3	17	62	1.7	2.3	1.7	31	12
JUL 14...	--	4.2	1.8	7.9	45	.8	2.3	1.7	20	9.0
SEP 09...	--	3.6	2.2	8.1	45	.8	2.5	--	21	7.3
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
NOV 25...	7.8	.2	9.0	62	55	.08	403	--	--	--
JAN 14...	8.9	.1	8.9	61	61	.08	469	.44	.44	.000
MAR 10...	--	--	--	--	--	--	--	--	--	--
MAY 12...	12	.2	7.3	81	78	.11	597	.34	.32	.060
JUL 14...	6.6	.1	8.4	65	55	.09	625	.51	.52	.010
SEP 09...	7.7	.1	7.0	64	52	.09	1170	.34	.27	.050

## PEE DEE RIVER BASIN

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1981--Continued

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN DIS- SOLVED (MG/L AS N)
NOV 25...	--	--	--	--	--	--	--	--	--	--
JAN 14...	.010	.00	.01	.21	.11	.21	.09	.12	.65	.56
MAR 10...	--	--	--	--	--	--	--	--	--	--
MAY 12...	.060	--	.08	.47	.32	.53	.15	.38	.87	.70
JUL 14...	.030	--	.04	.54	.31	.55	.21	.34	1.1	.86
SEP 09...	.020	--	.03	.26	.33	.31	.00	.35	.65	.62

DATE	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 25...	--	--	--	--	--	91	7	46	68
JAN 14...	2.9	.060	.18	.040	--	--	5	38	82
MAR 10...	--	--	--	--	--	9500	8	--	100
MAY 12...	3.9	.090	.28	.050	--	950	12	88	75
JUL 14...	4.7	.120	.37	.040	9.7	120	24	231	93
SEP 09...	2.9	.100	.31	.040	--	160	106	1930	54

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)
JAN 14...	1215	1	0	1	100	0	100	0	0	0	30	20
MAY 12...	1030	0	0	0	100	0	100	1	--	<1	10	0
SEP 09...	1200	2	0	2	<50	--	100	<1	--	<1	<10	--

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
JAN 14...	10	0	0	0	25	21	4	460	290	170	2
MAY 12...	10	2	1	1	5	0	37	640	460	180	8
SEP 09...	<10	2	--	<1	9	2	7	2300	2200	90	7



02131000 PEE DEE RIVER AT PERDEE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DATE	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
JAN 14...	0	2	30	10	20	.1	.0	.1	11	5	6
MAY 12...	5	3	40	20	20	<.1	--	<.1	4	0	12
SEP 09...	4	3	240	230	10	<.1	--	<.1	13	11	2
DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
JAN 14...	0	0	0	1	1	0	30	0	110	7.9	--
MAY 12...	0	0	0	0	0	0	10	0	150	6.7	1.0
SEP 09...	<1	--	<1	<1	--	<1	30	10	20	7.0	1.1
DATE	TIME	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
JAN 14...	1215	.6	.3	<.9	<.4	3.0	.4	2.9	.4	.05	<.01
MAY 12...	1030	.8	.7	<1.2	1.1	3.0	.7	2.9	.6	.08	.04
SEP 09...	1200	--	3.7	<1.8	5.5	3.9	3.1	3.7	2.9	.09	.11

## PEE DEE RIVER BASIN

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	84	71	78	80	78	80	98	91	94	88	81	83
2	81	66	76	82	79	81	94	91	92	91	88	89
3	80	66	78	87	80	84	92	87	90	90	88	90
4	81	74	78	---	---	---	91	85	88	89	86	87
5	74	68	70	86	81	84	91	89	90	91	87	89
6	75	67	71	82	79	81	99	91	96	98	91	95
7	75	73	74	81	79	81	97	92	95	94	87	90
8	80	75	77	84	79	81	93	83	88	94	89	92
9	87	82	84	95	82	89	94	90	92	96	92	95
10	89	85	87	96	94	95	94	85	89	99	95	97
11	88	83	85	99	91	95	88	83	85	98	95	97
12	87	82	83	92	87	90	87	83	85	106	96	101
13	---	---	---	90	85	87	89	83	85	97	94	95
14	114	93	104	92	88	89	90	88	89	99	94	95
15	176	88	95	94	91	92	89	87	88	98	91	94
16	115	85	88	95	89	92	88	84	86	93	91	92
17	88	85	87	89	83	86	86	81	83	94	90	92
18	---	---	---	83	76	79	89	82	85	100	90	94
19	---	---	---	78	72	75	90	88	89	102	100	101
20	---	---	---	75	72	74	96	90	93	101	99	100
21	---	---	---	77	74	76	100	97	99	99	94	96
22	88	82	85	76	74	75	101	96	99	97	91	93
23	82	75	78	77	72	75	97	90	94	97	95	96
24	78	74	76	78	76	77	91	86	87	96	92	94
25	81	76	78	82	78	80	88	86	87	97	92	95
26	86	79	82	81	74	78	86	81	83	97	94	96
27	---	---	---	98	81	95	84	81	83	---	---	---
28	---	---	---	98	91	94	85	80	82	101	98	100
29	86	83	84	92	87	89	89	82	86	106	99	101
30	85	77	80	97	92	95	88	84	86	106	99	103
31	82	79	81	---	---	---	87	80	84	103	99	101
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	106	99	103	127	114	121	98	94	96	---	---	---
2	110	106	108	124	101	110	97	93	96	119	106	112
3	118	105	111	105	89	100	94	92	93	---	---	---
4	107	100	104	91	86	88	96	94	95	---	---	---
5	100	91	95	91	87	89	95	91	93	---	---	---
6	98	94	96	97	89	93	94	90	92	---	---	---
7	97	93	95	94	89	92	96	90	93	---	---	---
8	99	92	94	91	88	90	98	92	95	128	119	123
9	104	99	101	97	89	93	98	96	97	127	116	121
10	110	98	104	91	85	88	99	96	97	121	113	117
11	106	100	103	86	78	83	100	99	100	116	113	114
12	107	94	103	96	83	87	99	94	96	116	113	114
13	97	90	94	133	96	111	---	---	---	119	113	116
14	88	82	85	223	141	180	---	---	---	120	109	115
15	84	80	82	253	228	244	98	89	94	108	105	106
16	86	83	84	252	235	244	96	88	93	110	107	108
17	86	83	85	281	230	260	97	94	96	---	---	---
18	88	83	85	268	219	239	99	96	98	---	---	---
19	85	83	84	245	99	181	105	97	102	---	---	---
20	92	85	87	149	101	126	103	101	102	135	107	118
21	110	88	97	234	151	178	103	101	102	116	108	112
22	93	88	90	247	144	195	104	95	100	115	110	112
23	93	87	89	237	164	202	98	95	97	112	108	110
24	90	84	86	290	149	225	98	96	97	---	---	---
25	102	85	93	231	169	190	---	---	---	---	---	---
26	97	87	91	210	86	137	---	---	---	---	---	---
27	93	90	92	92	85	88	---	---	---	---	---	---
28	113	89	101	102	91	96	---	---	---	---	---	---
29	---	---	---	107	102	105	---	---	---	115	107	111
30	---	---	---	107	103	105	---	---	---	133	99	111
31	---	---	---	104	99	102	---	---	---	101	98	99
										103	99	100

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	113	100	107	---	---	---	112	106	110	---	---	---
2	---	---	---	102	100	101	106	88	94	105	94	100
3	---	---	---	103	92	97	88	76	83	97	91	93
4	120	100	108	93	90	91	76	66	70	94	92	93
5	117	104	107	98	87	92	69	54	60	---	---	---
6	121	106	114	87	68	75	72	59	65	---	---	---
7	106	95	101	68	64	66	94	73	82	---	---	---
8	95	92	94	68	64	66	94	91	93	111	92	100
9	95	92	94	73	68	70	91	88	90	91	87	88
10	94	90	92	74	70	72	88	84	86	119	87	103
11	93	90	92	78	72	75	87	79	84	113	94	101
12	94	91	92	78	74	76	86	70	79	94	89	92
13	100	90	94	82	78	80	79	72	76	90	88	89
14	101	95	99	86	80	83	97	76	85	90	88	89
15	98	93	95	89	82	85	98	82	89	93	90	91
16	107	98	105	84	82	83	83	74	79	97	87	90
17	103	96	99	83	82	83	74	72	72	91	87	89
18	96	92	94	---	---	---	74	72	73	94	89	91
19	94	92	93	---	---	---	77	74	76	101	91	94
20	99	94	97	---	---	---	93	77	84	94	91	92
21	100	97	98	---	---	---	84	82	83	95	91	93
22	101	99	100	108	97	103	84	79	82	95	93	94
23	---	---	---	106	90	94	80	78	79	---	---	---
24	106	101	104	---	---	---	81	78	80	---	---	---
25	106	99	102	---	---	---	81	78	80	116	103	110
26	100	97	99	---	---	---	88	79	82	116	105	111
27	102	98	100	119	106	113	86	82	84	---	---	---
28	104	102	103	117	101	107	---	---	---	---	---	---
29	104	103	104	109	106	108	---	---	---	---	---	---
30	---	---	---	107	102	104	---	---	---	119	104	112
31	---	---	---	111	101	106	---	---	---	---	---	---
YEAR	290	54	96									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22.0	21.0	21.5	15.0	15.0	15.5	10.0	9.5	9.5	7.5	6.5	7.0
2	22.5	21.0	22.0	15.5	14.5	15.0	10.0	9.0	9.5	7.0	6.5	7.0
3	22.0	21.5	22.0	16.0	14.5	15.0	10.0	9.5	10.0	7.0	6.0	6.5
4	21.5	21.0	21.5	---	---	---	9.5	9.0	9.5	7.0	6.0	6.5
5	21.5	20.5	21.0	15.5	14.5	15.0	9.5	9.0	9.0	6.0	5.0	5.5
6	20.5	20.0	20.0	15.0	14.5	14.5	9.0	8.5	9.0	5.0	4.0	4.5
7	20.0	19.5	20.0	15.0	14.0	14.5	10.0	9.0	9.5	5.0	4.5	5.0
8	20.0	19.0	19.5	15.5	14.5	15.0	10.5	9.5	10.0	5.0	4.0	4.5
9	19.5	19.0	19.5	16.0	14.5	15.5	11.5	10.0	10.5	5.5	4.5	5.0
10	21.0	19.5	20.0	16.5	15.5	16.0	12.0	11.5	11.5	5.0	4.5	4.5
11	21.0	20.0	20.5	15.5	14.5	15.5	12.0	11.5	11.5	4.5	3.5	4.0
12	21.0	20.0	20.5	15.0	14.5	14.5	11.5	11.0	11.0	4.0	2.5	3.5
13	---	---	---	14.5	13.5	14.0	10.5	10.0	10.5	3.0	2.5	2.5
14	19.0	18.5	19.0	13.5	12.5	13.0	10.5	10.0	10.5	3.0	2.5	2.5
15	19.0	18.0	18.5	14.0	14.0	14.0	10.0	9.5	10.0	3.5	2.5	3.0
16	19.0	17.5	18.5	14.5	14.5	14.5	10.0	9.5	9.5	4.0	3.0	3.5
17	19.0	18.5	18.5	14.5	13.5	14.0	9.5	9.0	9.5	4.0	3.5	4.0
18	---	---	---	13.5	13.0	13.5	9.0	8.5	9.0	4.0	3.5	4.0
19	---	---	---	13.0	11.5	12.0	9.5	9.0	9.5	4.0	3.0	3.5
20	---	---	---	12.0	11.5	11.5	9.5	9.0	9.0	6.5	4.0	5.0
21	---	---	---	12.0	11.5	11.5	8.5	7.5	8.0	4.5	4.0	4.0
22	20.0	18.5	19.5	11.5	10.5	11.0	7.5	7.0	7.0	4.5	4.0	4.0
23	19.5	18.5	19.0	11.0	10.5	10.5	7.0	6.0	7.0	5.0	4.5	4.5
24	18.5	18.0	18.0	11.5	11.0	11.5	6.5	6.0	6.0	5.5	4.5	5.0
25	18.0	17.0	17.5	12.5	10.5	12.0	7.0	6.5	6.5	5.5	4.5	5.0
26	17.0	16.0	16.5	12.0	11.5	12.0	6.5	6.0	6.0	6.0	5.0	5.5
27	16.0	15.0	15.5	12.0	11.5	11.5	6.0	5.0	5.5	7.0	6.0	6.5
28	17.5	16.5	17.0	11.5	11.0	11.0	5.0	4.5	5.0	7.5	6.5	7.0
29	16.5	16.0	16.5	11.0	10.5	10.5	5.5	4.5	5.0	7.0	6.5	7.0
30	16.0	15.5	15.5	10.5	10.0	10.0	6.0	5.5	6.0	7.0	6.5	6.5
31	16.0	15.5	15.5	---	---	---	6.5	6.0	6.5	6.5	5.5	5.5

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	4FAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	4FAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.5	5.0	5.5	11.5	11.0	11.0	16.5	15.5	16.0	26.0	22.0	24.0
2	7.0	6.0	6.5	12.5	11.5	11.5	17.0	15.0	15.5	24.5	23.0	23.5
3	6.0	5.0	5.5	12.5	11.5	12.0	16.5	16.0	16.0	23.5	21.5	22.5
4	6.0	5.0	5.5	12.5	12.0	12.5	17.5	16.0	16.5	---	---	---
5	6.0	5.5	5.5	12.5	12.0	12.0	18.0	17.0	17.5	---	---	---
6	5.0	4.5	4.5	12.0	11.5	12.0	18.5	17.0	17.5	---	---	---
7	4.5	4.0	4.5	12.0	12.0	12.0	18.0	16.5	17.5	---	---	---
8	5.0	4.5	5.0	12.0	11.5	11.5	18.0	17.0	17.5	21.0	20.0	20.5
9	5.5	4.5	5.0	12.0	11.5	11.5	18.0	16.5	17.0	20.5	20.0	20.5
10	6.5	5.0	5.5	11.5	10.5	11.0	18.0	16.5	17.5	20.0	19.5	19.5
11	7.5	7.0	7.0	11.5	11.0	11.0	19.5	17.5	18.5	21.5	19.5	20.5
12	6.5	6.0	6.5	11.5	10.5	11.0	20.5	18.5	19.5	23.0	20.5	21.5
13	6.5	6.5	6.5	11.5	10.5	11.0	22.0	19.5	20.5	23.5	21.5	22.5
14	6.5	6.5	6.5	11.5	11.0	11.0	24.0	21.0	22.5	23.5	21.5	22.5
15	7.0	6.5	7.0	12.0	11.0	11.5	22.5	20.5	21.5	23.5	22.0	23.0
16	7.5	7.0	7.0	11.5	11.5	11.5	21.5	19.0	20.0	23.5	21.5	22.5
17	8.0	7.5	7.5	12.0	11.0	11.5	20.0	18.5	19.5	23.5	22.5	23.0
18	9.0	8.0	8.5	12.0	11.0	11.5	21.0	19.5	20.0	26.5	22.0	24.5
19	9.5	9.0	9.0	12.0	11.0	11.5	21.0	19.5	20.5	29.0	21.0	24.5
20	9.5	9.0	9.5	11.5	11.0	11.0	21.0	20.5	20.5	24.5	22.5	23.0
21	9.5	9.5	9.5	11.5	11.0	11.0	21.5	21.0	21.0	22.5	21.5	22.0
22	9.5	9.5	9.5	11.0	11.0	11.0	22.0	20.5	21.0	22.0	20.5	21.5
23	10.0	9.5	10.0	11.0	10.0	10.5	21.5	20.0	20.5	23.0	20.5	21.5
24	10.5	10.0	10.0	11.0	10.0	10.5	22.0	20.5	21.0	---	---	---
25	11.0	10.5	10.5	10.5	10.5	10.5	---	---	---	---	---	---
26	11.5	11.0	11.0	12.0	10.5	11.0	---	---	---	---	---	---
27	11.5	11.0	11.5	13.0	11.5	12.5	---	---	---	---	---	---
28	11.5	10.5	11.0	13.5	12.0	12.5	---	---	---	25.0	23.5	24.5
29	---	---	---	14.5	12.5	13.5	---	---	---	25.0	23.0	24.5
30	---	---	---	15.0	14.0	14.5	---	---	---	24.5	22.5	23.5
31	---	---	---	16.5	14.5	15.5	---	---	---	25.5	24.5	25.0
DAY	MAX	MIN	4FAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.5	25.0	25.5	---	---	---	26.5	26.0	26.5	28.5	27.0	27.5
2	25.5	22.0	23.5	26.5	25.5	26.0	26.0	25.5	25.5	28.0	27.0	27.5
3	26.5	21.5	24.0	25.5	25.0	25.5	26.0	25.0	25.5	28.5	27.0	28.0
4	27.0	25.0	26.0	26.0	25.5	25.5	26.5	25.5	26.0	28.5	27.5	28.0
5	26.0	24.5	25.5	26.0	25.0	25.5	27.0	25.5	26.5	28.0	27.5	27.5
6	26.5	25.5	26.0	25.0	24.5	24.5	28.0	26.5	27.5	28.0	27.5	28.0
7	26.0	25.5	26.0	25.5	24.5	25.0	28.5	27.5	28.0	28.0	22.5	25.0
8	26.0	25.0	25.5	26.5	25.0	25.5	29.0	28.0	28.5	28.0	27.0	27.5
9	26.5	25.5	26.0	27.5	26.0	26.5	29.0	28.5	28.5	27.5	26.5	27.0
10	27.0	26.0	26.5	29.5	27.5	28.5	29.0	28.0	28.5	27.0	26.0	26.5
11	27.5	26.0	26.5	30.5	28.5	29.5	29.5	28.0	29.0	26.5	25.5	26.0
12	27.5	27.0	27.0	29.5	28.5	29.0	29.0	28.0	28.5	26.0	25.0	25.5
13	27.5	26.5	27.0	30.5	29.0	29.5	28.5	27.5	28.0	26.5	25.0	26.0
14	28.0	27.0	27.5	32.0	29.5	30.5	28.5	28.0	28.0	27.5	26.0	26.5
15	27.5	27.0	27.5	32.0	30.5	31.0	28.5	27.5	28.5	27.5	27.0	27.5
16	28.5	27.0	27.5	30.5	29.5	30.0	27.5	27.0	27.5	27.5	26.5	27.0
17	29.5	28.0	29.0	29.5	29.0	29.5	27.5	26.5	27.0	26.5	25.5	26.0
18	29.0	28.5	28.5	30.0	23.5	26.5	26.5	25.0	26.0	25.5	25.0	25.5
19	28.5	28.0	28.0	31.5	24.0	28.0	25.0	24.0	24.5	25.0	24.5	24.5
20	29.0	27.5	24.5	33.0	24.0	28.5	25.0	24.0	24.5	24.5	24.0	24.0
21	29.5	28.0	28.5	33.0	32.5	33.0	25.0	24.5	24.5	24.0	23.0	24.0
22	30.5	28.5	29.5	31.5	30.0	31.0	25.0	24.5	24.5	25.0	23.5	24.0
23	32.5	25.5	30.0	31.0	30.0	31.0	25.0	24.0	24.5	---	---	---
24	31.0	29.5	30.5	30.0	29.0	29.5	26.0	24.5	25.0	---	---	---
25	31.5	30.0	31.0	---	---	---	27.0	25.0	26.0	23.5	22.0	22.5
26	30.5	29.5	30.0	32.0	31.0	31.5	26.5	25.5	26.0	23.5	21.5	22.5
27	29.5	28.0	29.0	32.0	29.5	30.5	27.0	26.0	26.5	---	---	---
28	29.0	27.5	28.0	32.0	30.5	31.0	---	---	---	---	---	---
29	29.0	26.5	28.0	31.5	30.5	31.0	26.5	26.5	26.5	25.0	22.5	23.5
30	---	---	---	31.0	28.5	29.5	27.0	26.0	26.5	23.5	22.5	23.0
31	---	---	---	28.0	26.5	27.5	28.0	26.5	27.5	---	---	---
YEAR	33.0	2.5	17.5									



## 02131150 CATFISH CANAL AT SELLERS, S.C.

LOCATION.--Lat 34°17'04", long 79°26'32", Marion County, Hydrologic Unit 03040201, on right downstream wingwall of bridge on State Highway 38, 2.0 mi (3.2 km) east of Sellers, 2.3 mi (3.7 km) upstream from Stackhouse Creek, and at mile 25.6 (41.2 km).

DRAINAGE AREA.--27.4 mi<sup>2</sup> (71.0 km<sup>2</sup>).

PERIOD OF RECORD.--November 1966 to current year.

REVISED RECORDS.--WRD SC-77: Drainage area.

GAGE.--Water-stage recorder. Altitude of gage is 75 ft (23 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage-height record Nov. 25 to Jan. 7, Jan. 9 to Feb. 10, July 8 to Sept. 8, which are poor.

AVERAGE DISCHARGE.--14 years (water years 1968-81), 26.8 ft<sup>3</sup>/s (0.759 m<sup>3</sup>/s), 13.28 in/yr (357 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 890 ft<sup>3</sup>/s (25.2 m<sup>3</sup>/s), Mar. 4, 1971, gage height, 9.15 ft (2.789 m); no flow September 27-30, 1978, Oct. 5 to Nov. 7, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharge above a base of 150 ft<sup>3</sup>/s (4.25 m<sup>3</sup>/s) and maximum (\*).

Date	Time	Discharge		Gage height		Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)			(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
July 4	0630	200	5.66	4.61	1.405	*Aug. 14	unknown	*222	6.29	*5.03	1.533
Aug. 3	1200	216	6.12	4.93	1.503						

Minimum daily, 0.90 ft<sup>3</sup>/s (0.025 m<sup>3</sup>/s) Oct. 14-16.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	2.8	3.0	6.0	3.0	5.1	6.3	2.0	4.8	4.4	50	17
2	23	2.1	2.6	5.0	4.0	5.0	6.5	1.8	4.7	6.7	85	14
3	14	1.7	2.4	4.0	5.5	4.8	5.7	1.6	7.0	44	201	13
4	8.3	1.7	2.2	3.5	8.0	4.5	5.4	1.5	5.9	155	176	15
5	5.7	2.5	2.2	2.8	4.0	8.6	5.3	1.4	5.1	66	140	19
6	4.7	5.1	2.2	2.6	2.0	8.6	5.4	1.4	4.5	59	90	26
7	3.8	1.3	2.6	9.3	2.2	7.2	5.0	2.6	4.1	43	65	24
8	3.1	1.1	3.6	8.8	2.6	6.5	4.5	5.4	4.0	52	48	8.8
9	2.7	1.3	3.8	7.8	2.2	5.9	4.4	4.0	3.6	25	19	23
10	1.5	1.4	4.8	5.0	7.0	5.7	4.2	3.7	3.2	18	14	22
11	1.2	2.5	6.0	4.0	18	5.4	4.1	3.7	3.0	12	24	15
12	1.0	5.3	7.5	3.6	37	5.4	3.8	3.4	3.4	22	21	11
13	.95	3.1	9.0	3.4	25	5.0	3.6	2.9	25	30	80	9.3
14	.90	2.2	5.0	3.2	21	4.8	3.4	2.8	9.8	40	300	8.1
15	.90	2.6	3.6	5.0	18	4.6	3.4	2.6	6.5	30	200	7.0
16	.90	4.2	3.2	4.4	15	4.6	3.1	2.3	4.8	20	110	6.7
17	.95	6.1	3.0	3.4	14	4.4	3.0	2.2	4.1	14	80	7.2
18	1.0	6.7	3.4	3.0	13	6.0	2.8	2.2	18	16	65	6.8
19	1.2	8.3	3.8	2.8	12	7.0	2.8	2.2	52	15	50	6.1
20	1.1	8.3	3.4	2.6	12	6.6	3.2	2.3	100	13	45	5.4
21	1.0	10	3.0	3.6	11	6.6	4.6	3.8	34	11	65	5.0
22	.93	11	2.8	5.5	10	8.0	5.0	3.4	20	10	65	4.4
23	1.7	10	3.6	6.5	9.3	9.5	5.5	2.8	12	9.0	55	4.0
24	2.1	11	5.5	5.0	8.6	12	6.5	2.5	9.3	14	50	3.6
25	2.5	10	7.0	3.4	7.8	15	5.0	2.3	7.6	28	40	3.5
26	2.1	9.0	5.0	2.6	7.4	22	4.0	2.1	6.7	25	35	3.2
27	1.7	7.0	3.0	3.6	6.8	6.7	3.2	3.1	5.6	19	29	3.1
28	2.0	5.0	2.8	4.6	5.7	6.5	2.8	28	5.0	15	26	2.9
29	1.6	4.0	4.0	2.6	---	6.1	2.4	9.5	4.4	12	23	2.7
30	2.3	3.4	6.5	2.8	---	6.3	2.2	6.7	4.2	14	21	2.6
31	3.4	---	8.0	3.6	---	6.7	---	5.3	---	20	19	---
TOTAL	113.23	150.7	128.5	134.0	292.1	221.1	127.1	121.5	382.3	862.1	2291	299.4
MEAN	3.65	5.02	4.15	4.32	10.4	7.13	4.24	3.92	12.7	27.8	73.9	9.98
MAX	23	11	9.0	9.3	37	22	6.5	28	100	155	300	26
MIN	.90	1.1	2.2	2.6	2.0	4.4	2.2	1.4	3.0	4.4	14	2.6
CFSM	.13	.18	.15	.16	.38	.26	.16	.14	.46	1.02	2.70	.36
IN.	.15	.20	.17	.18	.40	.30	.17	.16	.52	1.17	3.11	.41

CAL YR 1980 TOTAL 7717.83 MEAN 21.1 MAX 152 MIN .00 CFSM .77 IN 10.48  
WTR YR 1981 TOTAL 5123.03 MEAN 14.0 MAX 300 MIN .90 CFSM .51 IN 6.96

02131309 FORK CREEK AT JEFFERSON, S.C.

LOCATION.--Lat 34°38'19", long 80°23'20", Chesterfield County, Hydrologic Unit 03040202, on upstream side at center of span on State Highway 151 bridge, 1.0 mi (1.6 km) south of intersection of State Highways 765 and 151, at Jefferson.

DRAINAGE AREA.--24.3 mi<sup>2</sup> (62.9 km<sup>2</sup>).

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 302.68 ft (92.257 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those for period of no gage-height record Oct. 1 to Nov. 2, which are poor.

AVERAGE DISCHARGE.--5 years, 25.4 ft<sup>3</sup>/s (0.719 m<sup>3</sup>/s), 14.19 in/yr (360 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,560 ft<sup>3</sup>/s (44.2 m<sup>3</sup>/s), Feb. 24, 1979, gage height, 7.89 ft (2.405 m); minimum daily, 0.10 ft<sup>3</sup>/s (0.003 m<sup>3</sup>/s) July 1, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft<sup>3</sup>/s (8.50 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
Feb. 11	1600	*256	7.25	*4.51	1.375

Minimum daily, 0.10 ft<sup>3</sup>/s (0.003 m<sup>3</sup>/s), July 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	6.0	7.4	10	6.6	14	13	.39	1.3	.10	17	12
2	50	5.0	7.0	8.6	12	15	21	.44	1.0	.17	124	4.0
3	17	3.0	6.8	8.3	12	14	15	.39	1.2	.28	204	7.8
4	8.0	5.1	6.6	7.8	8.6	13	12	.31	2.8	.32	45	7.0
5	7.0	8.6	6.4	7.6	8.0	23	11	.28	2.2	.11	26	13
6	6.0	6.6	6.4	7.6	7.8	19	12	.22	1.2	.13	23	14
7	5.5	5.7	6.4	8.3	8.0	15	9.6	1.8	.74	8.0	37	24
8	5.0	5.7	6.6	9.0	8.6	14	9.0	2.5	17	4.9	25	13
9	4.6	5.1	6.6	8.0	8.3	14	8.6	1.3	6.0	3.1	22	12
10	4.2	4.4	10	8.3	8.0	13	8.3	1.1	3.1	3.1	20	4.3
11	4.0	4.1	15	7.8	187	13	7.8	1.5	2.2	4.1	19	7.2
12	4.0	3.7	11	7.8	61	13	7.4	1.2	1.9	17	15	4.2
13	3.8	3.7	8.6	8.3	29	13	7.2	.60	2.4	9.3	24	4.4
14	3.8	3.7	7.8	8.6	24	12	7.2	.39	1.4	5.7	46	4.6
15	3.6	6.2	7.4	7.6	21	12	7.2	.31	1.2	3.3	24	4.4
16	3.6	14	7.6	7.4	19	12	7.0	.25	1.1	3.5	20	4.4
17	3.6	9.6	8.0	7.2	18	12	6.6	.22	.91	12	20	3.9
18	3.6	12	7.6	7.2	17	12	6.2	.19	.82	9.3	17	4.9
19	3.8	8.3	7.4	7.0	36	13	5.4	.17	1.2	6.2	23	3.5
20	3.8	7.4	7.0	7.0	35	12	5.1	.17	6.2	4.4	27	2.7
21	3.6	6.8	6.8	8.6	24	10	4.4	.39	2.1	3.3	19	2.7
22	3.6	6.6	6.6	9.3	19	11	4.4	.39	1.2	2.5	16	3.0
23	3.4	6.6	7.6	8.0	19	40	4.9	.22	.91	1.4	14	2.4
24	3.2	7.2	9.6	7.8	17	25	4.9	.17	.60	1.5	13	2.0
25	4.4	10	8.3	7.8	16	17	3.7	.15	.39	11	12	1.8
26	5.0	7.8	7.6	7.6	15	14	3.1	.11	.31	12	9.3	1.5
27	5.0	8.0	7.4	6.8	15	13	2.8	.39	.17	6.6	8.3	1.8
28	4.8	9.6	9.3	6.8	14	12	2.4	3.7	.17	3.9	7.6	1.5
29	4.6	7.8	12	6.6	---	10	1.0	2.4	.13	3.0	7.0	1.2
30	5.0	7.8	10	6.4	---	14	.44	1.4	.11	32	18	1.2
31	6.0	---	12	6.6	---	16	---	1.5	---	29	19	---
TOTAL	353.5	206.1	254.8	241.7	673.9	460	218.64	24.55	61.96	234.77	926.2	192.4
MEAN	11.4	6.87	8.22	7.80	24.1	14.8	7.29	.79	2.07	9.19	29.9	4.41
MAX	160	14	15	10	187	40	21	3.7	17	32	204	24
MIN	3.2	3.0	6.4	6.4	6.6	10	.44	.11	.11	.10	7.0	1.2
CFSM	.47	.28	.34	.32	.99	.61	.30	.03	.09	.38	1.23	.26
IN.	.54	.32	.39	.37	1.03	.70	.33	.04	.09	.44	1.42	.29
CAL YR 1980 TOTAL	7786.94			MEAN 21.3	MAX 559	MIN .11	CFSM .88	IN 11.92				
WTR YR 1981 TOTAL	3898.52			MEAN 10.7	MAX 204	MIN .10	CFSM .44	IN 5.97				

PEE DEE RIVER BASIN

41

02131472 HANGING ROCK CREEK NEAR KERSHAW, S.C.

LOCATION.--Lat 34°30'58", long 80°34'59", Lancaster County, Hydrologic Unit 03040202, at downstream side of bridge on State Road 770, 2.1 mi (3.4 km) south of Kershaw, and 1.9 mi (3.1 km) upstream from mouth.

DRAINAGE AREA.--10.4 mi<sup>2</sup> (26.9 km<sup>2</sup>).

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 345 ft (105 m) (from topographic map).

REMARKS.--Records good, except those above 100 ft<sup>3</sup>/s, which are fair.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,210 ft<sup>3</sup>/s (34.3 m<sup>3</sup>/s) Feb. 11, gage height 6.70 ft (2.042 m); minimum daily, 0.31 ft<sup>3</sup>/s (0.01 m<sup>3</sup>/s) June 27, 28, 30.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	10	8.4	11	8.0	20	14	5.3	3.9	.35	29	1.9
2	39	12	14	11	13	14	18	5.2	4.1	.67	34	1.4
3	17	14	8.6	9.8	12	13	13	4.7	6.6	.23	25	1.2
4	12	12	7.4	9.1	10	12	12	4.6	12	.27	17	2.1
5	8.4	11	7.4	8.4	9.6	19	12	4.6	6.4	6.8	12	3.1
6	7.2	7.8	7.2	8.6	9.1	16	13	4.7	4.7	6.1	10	5.3
7	6.6	6.2	7.2	11	9.1	13	11	8.9	3.9	4.1	8.6	4.6
8	5.8	6.1	7.4	11	10	12	10	8.4	3.4	2.9	7.6	4.7
9	5.2	5.9	7.6	9.6	8.9	11	9.8	6.2	3.1	1.9	6.8	4.4
10	4.7	5.8	14	8.9	10	12	9.8	5.6	2.9	1.2	6.2	2.7
11	4.3	5.6	19	8.2	623	11	9.3	6.6	2.7	1.1	5.6	1.7
12	3.9	5.3	13	8.2	113	11	8.9	7.2	2.7	2.3	5.3	1.6
13	3.6	5.3	11	7.8	52	10	8.4	5.8	3.1	1.3	5.0	1.1
14	3.5	5.6	10	8.9	38	9.8	7.8	5.3	2.3	1.7	4.4	.97
15	3.4	9.1	9.3	8.9	32	9.6	8.2	4.7	1.9	1.3	3.9	.97
16	3.5	13	9.6	8.4	26	10	7.8	4.2	1.6	1.0	3.8	.97
17	3.6	10	9.3	8.0	24	9.3	7.6	3.8	1.1	1.1	4.1	2.3
18	3.6	11	8.9	7.8	22	11	7.6	3.8	.97	1.3	3.9	1.9
19	3.7	8.6	8.6	8.0	23	12	7.4	4.1	.97	1.1	6.8	1.6
20	3.9	7.8	8.4	8.0	22	9.8	8.2	3.8	1.2	.90	7.2	.86
21	3.8	7.4	8.0	9.8	19	8.9	8.2	4.7	1.2	.60	5.2	.86
22	3.7	7.0	7.8	9.6	17	12	8.4	4.1	1.2	1.3	4.2	.86
23	4.2	6.8	10	9.3	17	33	7.2	3.1	.69	.90	3.8	1.7
24	4.8	9.1	11	8.2	17	20	7.4	2.9	.46	.50	3.8	.46
25	5.4	11	9.8	7.8	15	15	6.6	2.7	.35	.60	3.4	.52
26	5.6	9.3	8.9	7.6	14	12	5.9	2.5	.40	1.0	2.5	.46
27	5.8	11	8.9	7.6	13	12	5.9	5.5	.31	1.7	2.1	1.6
28	5.4	12	11	7.6	13	12	6.1	10	.31	3.0	1.7	1.7
29	5.8	10	12	7.2	---	11	5.5	6.4	.35	6.0	1.9	2.7
30	7.0	8.9	12	7.8	---	14	5.3	4.6	.31	16	2.9	2.1
31	9.0	---	13	8.0	---	15	---	3.9	---	25	2.5	---
TOTAL	325.4	264.6	312.7	271.1	1199.7	410.4	270.3	157.9	75.02	143.72	240.2	54.33
MEAN	10.5	8.82	10.1	8.75	42.8	13.2	9.01	5.09	2.50	4.64	7.75	1.94
MAX	122	14	19	11	623	33	18	10	12	27	34	5.3
MIN	3.4	5.3	7.2	7.2	8.0	8.9	5.3	2.5	.31	.35	1.7	.46
WTR YR 1981	TOTAL	3729.37	MEAN	10.2	MAX	623	MIN	.31				

## PEE DEE RIVER BASIN

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.  
(National stream-quality accounting network station)

LOCATION.--Lat 34°03'05", long 79°45'15", Florence County, Hydrologic Unit 03040202, on left bank at downstream side of bridge on U.S. Highway 52, 75 ft (23 m) upstream from Seaboard Coast Line Railroad Bridge, 1 mi (1.6 km) south of Effingham, and at mile 43.4 (69.8 km).

DRAINAGE AREA.--1,030 mi<sup>2</sup> (2,670 km<sup>2</sup>) approximately.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1929 to current year. Gage-height records collected at same site since 1891 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 58.49 ft (17.828 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 7, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--52 years, 1,025 ft<sup>3</sup>/s (29.03 m<sup>3</sup>/s), 13.51 in/yr (343 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,000 ft<sup>3</sup>/s (708 m<sup>3</sup>/s) Sept. 22, 1945, gage height, 21.21 ft (6.465 m), from rating curve extended above 17,000 ft<sup>3</sup>/s (481 m<sup>3</sup>/s); minimum, 94 ft<sup>3</sup>/s (2.66 m<sup>3</sup>/s) Oct. 10, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,430 ft<sup>3</sup>/s (68.8 m<sup>3</sup>/s) Feb. 21, gage height, 10.23 ft (3.118 m); minimum, 139 ft<sup>3</sup>/s (3.94 m<sup>3</sup>/s) June 29 to July 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	327	337	662	588	487	706	789	270	324	153	588	314
2	352	339	692	598	506	658	697	255	404	158	518	308
3	402	362	664	613	523	624	650	245	415	171	568	318
4	484	398	633	623	503	588	649	236	359	715	686	353
5	581	431	590	621	503	603	674	225	362	1220	806	368
6	668	429	535	603	523	626	684	218	363	1280	963	337
7	756	402	491	577	561	615	684	229	336	1040	1110	302
8	851	381	463	547	593	607	671	243	314	892	1170	284
9	943	389	445	519	582	622	623	237	314	832	1250	321
10	977	420	435	497	546	660	574	238	290	846	1580	427
11	788	432	438	490	579	686	542	266	255	904	1680	516
12	512	405	440	501	666	660	514	318	292	1110	1690	549
13	398	370	445	504	676	605	484	339	346	1060	1570	524
14	355	349	463	493	699	558	457	315	306	774	1340	428
15	329	342	507	481	772	524	436	293	248	553	1290	337
16	313	341	575	464	865	499	419	279	214	558	1170	290
17	299	341	619	446	964	479	404	260	198	658	951	265
18	289	352	600	448	1060	472	390	241	187	733	797	248
19	285	380	545	457	1250	485	382	233	185	603	724	236
20	284	425	499	457	2010	492	375	217	189	446	724	225
21	284	493	473	462	2400	490	363	222	192	463	686	224
22	283	565	458	472	2140	499	349	210	237	488	691	238
23	284	618	462	478	1660	549	363	203	236	443	740	243
24	284	645	477	497	1260	600	386	201	209	466	724	232
25	284	627	470	529	1030	624	387	203	187	399	678	220
26	283	564	467	559	943	656	365	203	179	359	588	207
27	283	513	493	570	880	721	340	208	167	321	492	200
28	292	495	549	562	790	806	321	233	159	305	427	194
29	314	515	589	541	---	894	300	212	153	369	388	185
30	335	584	595	520	---	961	286	200	150	487	360	181
31	342	---	589	503	---	930	---	218	---	588	331	---
TOTAL	13461	13244	16363	16220	25971	19499	14558	7470	7770	19344	27280	9074
MEAN	434	441	528	523	928	629	485	241	259	626	880	302
MAX	977	645	692	623	2400	961	789	339	415	1280	1690	549
MIN	283	337	435	446	487	472	286	200	150	153	331	181
CFSM	.42	.43	.51	.51	.90	.61	.47	.23	.25	.61	.85	.29
IN.	.49	.48	.59	.59	.94	.70	.53	.27	.28	.70	.99	.33
CAL YR 1980	TOTAL	397356	MEAN	1086	MAX	9000	MIN	160	CFSM	1.05	IN	14.35
WTR YR 1981	TOTAL	190304	MEAN	521	MAX	2400	MIN	150	CFSM	.51	IN	6.87



02132000 LYNCHES RIVER AT EFFINGHAM, S.C.--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1951 to September 1952, October 1960 to April 1966, July 1969 to July 1973, October 1974 to current year.

## PERIOD OF DAILY RECORDS.--

SPECIFIC CONDUCTANCE: April 1975 to September 1981 (discontinued).

WATER TEMPERATURE: October 1954 to September 1972, April 1975 to current year.

INSTRUMENTATION.--Servo Programmer April 1975 to September 1981.

## EXTREMES FOR PERIOD OF DAILY RECORDS.--

SPECIFIC CONDUCTANCE: Maximum, 170 micromhos Sept. 23, 1980; minimum, 30 micromhos July 20, 1976.

WATER TEMPERATURE: Maximum 32.0°C on several days in 1960, 1961, 1963, Aug. 6, 1980; minimum, 0.0°C Jan. 20-23, 1977.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS./ PER 100 ML)	HARD- NESS (MG/L AS CACO3)
UCT										
06...	0930	470	88	6.7	16.0	4.7	9.2	130	367	16
NOV										
05...	1025	430	80	6.8	13.0	1.0	9.5	82	82	8
DEC										
02...	1010	494	80	6.7	8.0	5.7	10.3	68	132	12
JAN										
07...	1030	576	67	6.4	4.0	1.9	12.4	108	K1370	12
FEB										
03...	1045	507	81	7.1	6.0	1.6	12.1	220	107	13
MAR										
03...	1100	648	80	6.7	12.0	3.7	9.4	K17	58	12
APR										
15...	1030	434	68	6.8	20.0	4.0	7.8	K22	K21	11
MAY										
04...	0945	235	95	7.0	19.0	2.5	8.1	K26	77	9
JUN										
02...	0950	395	83	7.0	24.0	9.0	6.9	745	550	6
JUL										
08...	1000	863	75	6.4	26.0	5.4	5.3	223	K50000	18
AUG										
25...	1020	672	68	6.6	22.5	5.8	6.9	67	14	12
SEP										
02...	1000	--	86	6.8	25.0	3.5	6.6	122	K20000	11

DATE	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AN- ION- SOLUP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	POTAS- SIUM 40 DIS- SOLVED (PC/L AS K40)	ALKA- LITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)
UCT										
06...	8	3.8	1.7	11	57	1.2	1.4	--	8.0	18
NOV										
05...	0	1.6	.9	14	77	2.2	1.1	--	20	8.1
DEC										
02...	0	2.5	1.4	11	64	1.4	1.3	--	17	12
JAN										
07...	0	2.9	1.2	7.5	55	.9	1.0	.70	--	10
FEB										
03...	0	3.1	1.3	13	67	1.6	.9	.70	18	11
MAR										
03...	--	2.7	1.3	11	64	1.4	1.1	.80	16	9.0
APR										
15...	--	2.1	1.3	9.1	62	1.2	1.2	.90	18	5.3
MAY										
04...	--	1.9	1.0	14	75	2.0	1.1	.80	14	6.5
JUN										
02...	--	1.4	.7	14	80	2.4	1.1	.80	18	7.1
JUL										
08...	--	5.0	1.3	7.7	46	.8	1.2	.90	10	11
AUG										
25...	--	2.9	1.1	8.7	60	1.1	.8	.60	17	4.5
SEP										
02...	--	2.5	1.2	12	67	1.6	1.1	.80	17	5.8

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DATE	CHLORIDE, DIS- SOLVED (MG/L AS CL)	FLUORIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 06...	8.9	.1	12	70	63	.10	164	.18	.24	.010
NOV 05...	11	.0	8.9	60	58	.08	69.7	.15	.16	.040
DEC 02...	13	.1	11	68	64	.09	90.7	.11	.11	.020
JAN 07...	8.0	.0	9.2	54	48	.07	84.0	.18	.19	.010
FEB 03...	9.9	<.1	7.7	58	59	.08	79.4	.20	.21	.020
MAR 03...	10	<.1	7.2	61	54	.08	107	.19	.18	.030
APR 15...	7.9	<.1	6.4	59	45	.08	69.1	.24	.25	.080
MAY 04...	10	.1	6.9	75	52	.10	47.6	.39	.39	.050
JUN 02...	14	<.1	5.7	66	57	.09	70.4	.39	.38	.080
JUL 08...	7.9	<.1	6.7	75	48	.10	175	.23	.24	.040
AUG 25...	9.8	<.1	8.9	73	48	.10	132	.20	.21	.030
SEP 02...	11	.1	8.3	65	55	.09	--	.35	.34	.060
DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)
OCT 06...	.040	.01	.05	.30	.33	.31	.00	.37	.49	.61
NOV 05...	.030	.05	.04	.20	.26	.24	.00	.29	.39	.45
DEC 02...	.000	.02	.00	.20	.24	.22	.00	.24	.33	.35
JAN 07...	.020	.01	.03	.10	.18	.11	.00	.20	.29	.39
FEB 03...	.020	.02	.03	.34	.50	.36	.00	.52	.56	.73
MAR 03...	.030	--	.04	.42	.29	.45	.13	.32	.64	.50
APR 15...	.100	--	.13	.47	.43	.55	.02	.53	.79	.78
MAY 04...	.070	--	.09	.59	.16	.64	.41	.23	1.0	.62
JUN 02...	.030	--	.04	.35	.68	.43	.00	.71	.82	1.1
JUL 08...	.040	--	.05	.58	.57	.62	.01	.61	.85	.85
AUG 25...	.030	--	.04	.51	.51	.54	.00	.54	.74	.75
SEP 02...	.050	--	.06	.47	.36	.53	.12	.41	.88	.75

PEE DEE RIVER BASIN

45

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DATE	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 06...	2.2	.056	.15	.030	9.8	--	21	49	84
NOV 05...	1.7	.050	.15	.030	16	270	6	7.0	95
DEC 02...	1.5	.030	.09	.020	--	--	6	8.0	94
JAN 07...	1.3	.030	.09	.020	4.8	--	4	6.2	82
FEB 03...	2.5	.030	.09	.020	5.5	--	3	4.1	64
MAR 03...	2.8	.040	.12	.030	--	65	13	23	81
APR 15...	3.5	.060	.18	.050	7.5	--	7	8.2	62
MAY 04...	4.6	.080	.25	.040	3.7	--	15	9.5	43
JUN 02...	3.6	.060	.18	.050	--	340	7	7.5	59
JUL 08...	3.8	.050	.15	.040	13	26	8	19	60
AUG 25...	3.3	.060	.18	.040	11	0	7	13	86
SEP 02...	3.9	.060	.18	.040	--	43	16	--	74

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)
DEC 02...	1010	--	--	1	100	0	100	0	0	0	10	--
MAR 03...	1100	0	0	0	100	0	200	0	0	0	20	10
JUN 02...	0950	2	0	2	100	0	100	1	--	<1	10	0
SEP 02...	1000	2	1	1	100	0	200	2	--	<1	10	--

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PR)
DEC 02...	<10	2	1	1	1	0	15	720	310	410	3
MAR 03...	10	1	1	0	4	0	34	770	450	320	8
JUN 02...	20	1	0	1	6	0	29	1100	550	550	3
SEP 02...	<10	2	1	1	3	0	59	1300	390	910	30

## PEE DEE RIVER BASIN

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
DEC 02...	3	0	40	10	30	--	--	.2	0	0	0
MAR 03...	6	2	50	20	30	.4	.0	.4	3	0	20
JUN 02...	0	3	50	20	30	<.1	--	<.1	23	17	6
SEP 02...	7	23	70	30	40	<.1	--	<.1	4	0	17
DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
DEC 02...	--	--	0	5	3	2	90	50	40	7.6	.7
MAR 03...	0	0	0	0	0	0	70	0	190	7.7	1.6
JUN 02...	0	0	0	0	0	0	20	0	110	4.9	1.2
SEP 02...	<1	--	<1	<1	--	<1	10	0	180	10	--



02132000 LYNCHES RIVER AT EFFINGHAM, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	107	87	93	95	85	90	89	84	86	66	61	64
2	91	80	85	102	92	96	88	81	84	68	62	65
3	104	92	99	105	95	100	85	80	82	69	63	65
4	101	85	93	98	84	90	82	78	80	64	63	64
5	90	79	84	83	77	80	86	80	82	65	63	64
6	82	78	81	86	78	81	86	81	84	68	65	67
7	84	77	81	89	78	84	88	82	84	66	60	62
8	82	74	79	86	77	82	87	82	84	67	59	62
9	80	73	77	84	78	82	84	74	79	74	66	72
10	82	77	80	84	76	80	78	64	72	76	72	74
11	87	82	84	85	77	80	81	74	77	80	75	77
12	97	88	92	84	74	79	92	80	86	81	77	78
13	99	92	96	78	70	74	95	91	93	77	71	74
14	105	84	94	91	78	85	98	91	94	70	65	67
15	101	92	96	93	90	91	91	84	88	80	65	72
16	91	77	83	99	90	93	85	77	80	95	76	84
17	100	84	94	104	98	101	77	73	75	101	88	94
18	107	100	103	99	93	96	76	70	73	100	91	94
19	109	103	104	97	91	95	83	74	79	99	92	95
20	110	107	108	93	85	89	87	83	85	93	83	89
21	130	97	110	87	80	83	87	84	86	83	74	79
22	129	98	108	85	80	83	90	85	87	81	74	77
23	97	90	93	85	77	81	90	86	88	93	79	84
24	101	90	96	77	74	75	86	79	83	98	87	91
25	103	95	98	86	77	82	80	77	78	98	83	89
26	125	81	100	90	81	84	80	77	78	89	80	83
27	136	107	119	83	79	81	78	69	74	83	75	80
28	114	102	108	92	83	88	68	61	65	81	74	77
29	100	78	87	91	85	88	61	58	59	82	70	77
30	78	75	76	88	84	86	64	59	61	88	77	82
31	90	76	84	---	---	---	66	63	64	91	82	86

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	92	81	84	---	---	---	---	---	---	94	69	84
2	86	81	84	---	---	---	---	---	---	101	93	96
3	89	83	87	---	---	---	---	---	---	103	99	101
4	85	75	80	---	---	---	---	---	---	101	94	97
5	78	71	74	---	---	---	---	---	---	98	95	97
6	91	80	87	---	---	---	---	---	---	98	86	93
7	90	80	84	---	---	---	---	---	---	87	81	83
8	83	81	82	---	---	---	---	---	---	99	85	88
9	82	76	80	---	---	---	---	---	---	116	102	113
10	83	70	76	---	---	---	---	---	---	120	117	118
11	77	65	71	---	---	---	---	---	---	126	116	121
12	79	66	70	64	63	63	---	---	---	128	100	119
13	85	73	79	68	65	67	---	---	---	98	75	82
14	85	76	81	74	70	72	---	---	---	78	69	73
15	78	60	68	73	70	71	68	66	67	108	82	99
16	67	61	64	73	71	72	73	66	68	104	99	101
17	68	54	62	73	66	70	79	74	78	103	90	102
18	61	43	50	67	65	66	86	80	82	107	101	104
19	44	43	44	67	64	65	90	83	86	114	106	110
20	44	40	42	---	---	---	90	87	89	114	93	107
21	43	39	40	---	---	---	90	77	86	91	83	86
22	43	41	42	---	---	---	77	72	74	100	81	86
23	45	43	44	---	---	---	72	67	70	116	102	111
24	46	45	46	---	---	---	71	63	66	130	113	124
25	46	43	45	---	---	---	77	71	74	130	117	125
26	46	43	44	---	---	---	81	76	79	128	119	122
27	50	47	48	---	---	---	89	81	86	123	99	114
28	---	---	---	---	---	---	94	89	92	97	91	93
29	---	---	---	---	---	---	86	75	79	98	85	90
30	---	---	---	---	---	---	74	68	70	107	99	104
31	---	---	---	---	---	---	---	---	---	120	106	111

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	119	101	110	131	110	117	89	79	84	103	88	97
2	102	76	87	124	101	107	105	89	95	105	81	91
3	76	72	74	113	81	100	98	70	83	103	73	81
4	73	69	71	80	58	72	79	68	71	108	79	87
5	90	74	83	83	71	75	72	64	68	90	78	83
6	106	88	94	91	73	77	96	69	79	129	85	98
7	123	100	109	80	73	76	86	74	81	117	88	95
8	122	105	109	81	68	73	95	78	88	124	89	97
9	111	102	108	71	59	65	102	72	88	129	95	105
10	100	78	86	68	58	61	81	68	75	108	75	83
11	78	77	77	71	60	65	80	69	73	99	72	75
12	102	79	93	71	60	63	80	71	74	79	70	72
13	113	97	104	74	62	66	82	70	74	97	69	72
14	112	102	105	81	69	73	88	71	75	108	75	83
15	111	102	107	82	70	74	91	78	81	105	70	83
16	117	110	113	83	69	73	89	78	81	95	71	77
17	118	110	116	81	66	73	81	75	78	87	66	77
18	112	96	104	80	67	75	85	71	74	87	68	78
19	115	95	105	85	78	80	84	70	73	115	87	97
20	133	111	121	96	83	89	94	75	80	100	92	96
21	149	127	132	93	70	79	87	80	83	103	97	100
22	161	120	137	74	65	70	91	83	88	106	99	102
23	137	92	117	87	72	80	86	75	79	101	97	99
24	138	107	120	92	76	85	92	71	76	116	90	94
25	123	90	104	97	90	93	81	72	75	100	88	92
26	112	88	98	97	88	92	78	68	72	119	96	98
27	127	98	106	100	89	95	87	68	75	101	97	99
28	139	104	118	115	94	101	105	79	89	111	99	105
29	141	122	128	116	84	103	88	79	84	137	108	115
30	137	115	123	89	73	81	103	89	98	137	99	110
31	---	---	---	88	75	82	103	93	96	---	---	---
YEAR	161	39	85									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.0	18.5	19.0	13.5	12.5	13.0	9.5	8.0	8.5	8.0	6.5	7.0
2	19.5	18.5	19.0	13.0	12.5	13.0	10.0	8.5	9.0	8.0	6.5	7.0
3	19.5	19.0	19.5	13.0	12.5	12.5	10.5	9.5	10.0	7.0	6.5	7.0
4	19.0	18.5	18.5	13.0	12.5	13.0	9.5	8.5	9.0	6.5	6.0	6.5
5	18.5	17.0	17.5	13.0	12.5	12.5	9.0	7.5	8.5	6.5	5.5	6.0
6	17.5	16.5	17.0	12.5	11.5	12.0	8.5	7.5	8.0	5.5	4.0	4.5
7	17.0	16.0	16.0	12.0	11.0	11.5	9.5	8.0	9.0	6.0	4.0	5.0
8	16.0	15.5	15.5	12.5	11.0	11.5	10.5	9.0	9.5	5.5	5.0	5.0
9	16.0	15.5	16.0	13.0	11.5	12.0	11.5	10.0	10.5	5.0	4.5	5.0
10	17.0	16.0	16.5	14.0	12.5	13.0	12.0	11.0	11.5	4.5	4.0	4.0
11	18.0	17.0	17.5	13.5	12.5	13.0	12.5	11.5	12.0	4.0	3.0	3.5
12	18.5	18.0	18.0	12.5	11.5	12.0	11.5	10.5	11.0	3.0	2.0	2.5
13	18.0	17.0	17.5	11.5	10.5	11.0	11.0	10.0	10.5	1.5	1.5	1.5
14	17.0	16.0	16.5	11.5	10.5	11.0	10.5	10.0	10.0	2.5	1.0	1.5
15	16.5	16.0	16.0	12.0	11.5	11.5	10.5	9.0	9.5	3.5	2.0	3.0
16	17.5	16.0	17.0	12.5	12.0	12.5	10.0	9.5	9.5	4.0	3.0	3.5
17	18.0	17.0	17.5	12.5	11.5	12.0	9.5	9.0	9.5	4.0	3.5	4.0
18	19.0	18.0	18.5	12.0	11.5	11.5	10.0	8.0	9.0	4.0	3.0	3.5
19	19.5	18.5	19.0	11.5	10.0	11.0	9.5	8.5	9.0	4.5	3.5	4.0
20	19.5	19.0	19.0	10.0	9.5	9.5	9.5	8.5	9.0	4.5	3.5	4.0
21	18.5	17.5	18.0	9.5	9.0	9.5	8.5	7.0	7.5	5.5	4.0	5.0
22	18.0	17.5	17.5	9.5	8.5	9.0	7.0	5.5	6.0	6.5	4.5	5.5
23	17.0	16.5	16.5	9.0	8.5	8.5	6.5	6.0	6.0	6.5	5.5	6.0
24	16.0	15.5	16.0	10.0	9.0	9.5	7.5	6.5	7.0	6.5	5.0	6.0
25	15.5	15.5	15.5	12.0	10.0	11.0	7.5	6.5	7.0	6.5	5.0	6.0
26	15.0	14.0	14.5	11.0	10.5	10.5	6.5	5.0	5.5	6.0	5.0	6.0
27	14.5	14.0	14.0	11.0	10.0	10.5	5.0	4.0	4.5	7.0	6.0	6.5
28	14.0	14.0	14.0	11.5	10.5	11.0	5.0	4.0	4.5	9.5	7.0	8.0
29	14.0	14.0	14.0	10.0	9.5	9.5	6.0	5.0	5.5	8.5	7.0	8.0
30	14.0	13.5	14.0	9.5	8.5	9.0	7.0	6.0	6.5	8.0	7.0	7.5
31	13.5	13.0	13.0	---	---	---	7.5	6.5	7.0	6.5	6.0	6.5

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	6.5	5.0	6.0	---	---	---	---	---	---	24.0	23.0	23.5
2	8.5	6.5	7.5	---	---	---	---	---	---	23.0	21.5	22.5
3	7.5	6.5	7.0	---	---	---	---	---	---	21.5	20.0	21.0
4	6.0	5.5	6.0	---	---	---	---	---	---	21.5	19.5	20.5
5	6.0	4.5	5.0	---	---	---	---	---	---	22.0	20.0	21.0
6	5.5	4.5	5.0	---	---	---	---	---	---	22.0	21.5	21.5
7	5.5	4.5	5.0	---	---	---	---	---	---	21.5	18.5	20.5
8	6.5	5.5	6.0	---	---	---	---	---	---	18.5	17.5	18.5
9	7.0	6.0	6.5	---	---	---	---	---	---	18.5	18.0	18.5
10	8.0	5.5	6.5	---	---	---	---	---	---	19.5	18.5	19.0
11	11.0	7.5	9.0	---	---	---	---	---	---	21.0	19.0	20.0
12	9.0	7.5	8.0	12.0	11.5	12.0	---	---	---	21.0	19.5	20.5
13	7.5	6.0	6.5	13.5	11.0	12.0	---	---	---	21.5	19.5	20.5
14	8.0	6.0	7.0	13.0	11.5	12.5	---	---	---	22.0	19.5	21.0
15	8.5	6.5	7.5	13.0	11.5	12.0	21.5	20.5	21.0	22.5	21.0	21.5
16	10.5	7.0	8.5	12.5	12.0	12.5	20.0	19.0	19.5	22.0	20.5	21.5
17	11.5	9.5	10.5	12.5	11.0	12.0	20.5	19.0	20.0	22.0	21.0	21.5
18	12.0	9.5	10.5	12.5	11.5	12.0	21.0	19.5	20.5	22.5	21.0	22.0
19	12.0	11.5	11.5	12.5	12.0	12.0	22.0	20.5	21.0	24.5	22.5	23.5
20	13.5	11.0	12.0	---	---	---	22.0	21.0	21.5	24.0	20.5	22.5
21	14.0	11.5	12.5	---	---	---	21.5	20.5	21.0	21.5	19.5	20.5
22	14.0	12.0	13.0	---	---	---	20.5	19.5	20.0	22.0	19.5	21.0
23	14.5	13.0	14.0	---	---	---	21.0	19.5	20.5	23.0	20.5	22.0
24	14.0	12.0	13.0	---	---	---	21.5	20.0	21.0	23.5	21.5	22.5
25	13.5	11.5	12.5	---	---	---	21.0	19.5	20.5	24.5	22.5	23.5
26	13.0	12.0	12.5	---	---	---	20.5	19.0	20.0	24.0	23.0	23.5
27	13.5	11.5	12.5	---	---	---	21.5	19.5	20.5	23.5	22.5	23.0
28	---	---	---	---	---	---	22.5	20.5	21.5	24.0	22.5	23.5
29	---	---	---	---	---	---	23.0	21.5	22.5	25.0	23.0	24.0
30	---	---	---	---	---	---	24.0	22.0	23.0	26.0	23.5	25.0
31	---	---	---	---	---	---	---	---	---	26.5	25.0	25.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	25.0	24.5	25.0	26.0	24.5	25.0	24.5	23.5	24.0	26.0	25.0	25.5
2	25.0	24.0	24.5	25.0	24.0	24.5	25.0	24.5	24.5	26.0	25.0	25.5
3	25.0	24.0	24.5	24.0	23.5	24.0	25.5	24.5	25.0	26.5	25.0	25.5
4	26.0	24.5	25.5	24.0	23.0	23.5	26.0	25.0	25.5	26.0	25.5	26.0
5	26.5	25.0	26.0	24.5	23.5	24.0	26.5	25.5	26.0	25.5	25.0	25.5
6	27.5	26.0	26.5	25.5	24.0	24.5	26.5	26.0	26.5	25.5	24.5	2

02135000 LITTLE PEE DEE RIVER AT GALIVANTS FERRY, S.C.

LOCATION.--Lat 34°03'25", long 79°14'50", Horry-Marion County Line, Hydrologic Unit 03040204, near left bank on downstream side of bridge on U.S. Highway 501, at Galivants Ferry, 1.0 mi (1.6 km) downstream from Lake Swamp, and at mile 41.7 (67.1 km).

DRAINAGE AREA.--2,790 mi<sup>2</sup> (7,230 km<sup>2</sup>), approximately.

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 23.95 ft (7.300 m) National Geodetic Vertical Datum of 1929. Prior to July 26, 1967, nonrecording gage and crest-stage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--40 years, 3,197 ft<sup>3</sup>/s (90.54 m<sup>3</sup>/s), 15.56 in/yr (395 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,600 ft<sup>3</sup>/s (782 m<sup>3</sup>/s) Oct. 9, 10, 1964, gage height, 13.01 ft (3.965 m); minimum, 155 ft<sup>3</sup>/s (4.39 m<sup>3</sup>/s) Oct. 12, 13, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 16.0 ft (4.88 m) in September 1928, from floodmark set by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,400 ft<sup>3</sup>/s (323 m<sup>3</sup>/s) Aug. 23, gage height, 10.67 ft (3.252 m); minimum, 438 ft<sup>3</sup>/s (12.4 m<sup>3</sup>/s) May 6, 7, gage height, 3.67 ft (1.119 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1940 TO SEPTEMBER 1941  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	472	560	908	1420	1040	1680	1680	484	605	632	1130	3990
2	504	572	917	1430	1090	1690	1640	472	623	587	1690	3550
3	533	590	932	1440	1120	1650	1600	462	617	572	2360	3140
4	551	614	941	1420	1140	1600	1560	455	611	640	2870	2800
5	578	638	937	1400	1160	1680	1500	445	635	991	3240	2490
6	602	651	932	1370	1160	1670	1450	440	712	1340	3680	2220
7	629	660	912	1360	1160	1710	1360	447	841	1650	3890	1940
8	667	674	888	1340	1160	1760	1290	494	976	1860	3890	1490
9	722	698	874	1330	1160	1780	1210	528	986	1950	3950	1450
10	805	715	869	1310	1160	1790	1160	560	917	2010	4200	1210
11	898	725	874	1280	1260	1780	1110	581	809	2090	4080	1060
12	966	729	864	1240	1350	1760	1060	578	747	2140	3970	956
13	996	729	855	1190	1440	1740	1000	575	715	2070	3860	903
14	1010	722	837	1140	1530	1690	941	572	660	1980	3770	869
15	1010	715	819	1110	1600	1630	984	581	602	1860	3750	855
16	1000	718	814	1090	1630	1570	927	590	557	1720	3770	851
17	966	712	827	1070	1660	1500	789	587	513	1740	4680	884
18	893	718	837	1030	1680	1450	750	575	510	1710	5060	976
19	809	715	846	1000	1720	1420	715	575	516	1660	5920	1080
20	729	705	860	966	1740	1350	680	554	500	1570	7060	1120
21	657	718	879	981	1740	1280	660	554	629	1420	8450	1100
22	599	718	893	976	1750	1210	635	629	832	1210	10500	1010
23	554	722	932	986	1760	1250	611	705	1110	1070	11300	465
24	536	739	971	1000	1750	1360	593	674	1370	941	10900	736
25	525	764	991	1010	1730	1550	569	623	1530	789	9630	648
26	513	793	1010	1010	1710	1680	545	599	1590	674	8140	584
27	508	823	1040	1010	1690	1740	525	587	1510	614	7060	536
28	508	855	1120	1030	1690	1730	510	605	1240	593	6170	500
29	508	874	1190	1050	---	1720	502	587	941	563	5490	478
30	528	893	1280	1040	---	1700	492	584	725	687	4910	457
31	548	---	1360	1050	---	1690	---	578	---	793	4430	---
TOTAL	21324	21459	29204	36079	40780	49810	28848	17280	25129	40166	163850	40948
MEAN	688	715	942	1164	1456	1607	962	557	838	1296	5285	1365
MAX	1010	893	1360	1440	1760	1790	1680	705	1590	2140	11300	3990
MIN	472	560	814	966	1040	1210	492	440	500	563	1130	457
CFSM	.25	.26	.34	.42	.52	.58	.35	.20	.30	.47	1.89	.49
IN.	.28	.29	.39	.48	.54	.66	.38	.23	.34	.54	2.18	.55

CAL YR 1940 TOTAL 1000504 MEAN 2734 MAX 14400 MIN 290 CFSM .98 IN 13.34  
WTR YR 1941 TOTAL 514882 MEAN 1411 MAX 11300 MIN 440 CFSM .51 IN 6.87



02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.  
(Hydrologic bench-mark station)

LOCATION.--Lat 34°09'02", long 80°18'18", Lee County, Hydrologic Unit 03040205, at bridge on U.S. Highway 15, 0.1 mi (0.2 km) downstream from Reaverdam Creek, 0.9 mi (1.4 km) upstream from Seaboard Coast Line Railroad bridge, and 5.8 mi (9.3 km) southwest of Bishopville.

DRAINAGE AREA.--96.0 mi<sup>2</sup> (249 km<sup>2</sup>).

# WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 164.53 ft (50.149 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those for period of no gage-height record Jan. 2 to Feb. 12, which are fair.

AVERAGE DISCHARGE.--13 years (water years 1969-81), 107 ft<sup>3</sup>/s (3.030 m<sup>3</sup>/s), 15.14 in/yr (385 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,700 ft<sup>3</sup>/s (48.1 m<sup>3</sup>/s), Sept. 7, 1979, gage height, 8.54 ft (2.603 m); minimum daily, 6.7 ft<sup>3</sup>/s (0.19 m<sup>3</sup>/s) July 21, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft<sup>3</sup>/s (14.2 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
Feb. 13	1200	*278	7.87	*5.96	1.817

Minimum daily, 7.7 ft<sup>3</sup>/s (0.22 m<sup>3</sup>/s) June 30.

## DISCHARGE IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	231	81	60	101	65	66	91	18	19	8.9	109	26
2	229	71	60	95	80	65	97	17	20	9.6	112	22
3	203	60	60	90	100	63	94	15	24	12	111	20
4	170	55	55	85	110	61	89	14	28	17	109	19
5	136	62	55	80	100	80	83	14	22	21	101	18
6	104	59	55	75	80	95	79	13	19	26	92	18
7	70	55	55	80	70	96	74	17	19	25	95	18
8	48	51	55	80	70	94	67	41	22	21	71	18
9	40	48	55	85	65	90	61	46	19	16	52	18
10	35	45	60	85	65	84	57	40	16	13	131	18
11	31	42	84	80	130	74	54	36	13	10	128	16
12	28	40	91	75	190	66	50	33	12	12	76	15
13	26	39	89	70	271	60	46	30	12	12	44	15
14	24	39	86	70	263	57	43	26	13	12	35	14
15	24	45	82	70	255	55	46	22	12	10	30	13
16	23	83	76	75	218	53	47	19	10	9.8	27	13
17	23	104	70	75	175	51	43	17	9.4	16	31	13
18	24	120	65	70	146	52	39	16	18	17	44	13
19	25	120	61	65	133	71	36	15	79	15	71	13
20	27	110	59	70	127	73	38	14	84	13	98	13
21	25	95	56	75	119	69	48	15	66	11	114	13
22	24	80	53	80	112	70	50	16	32	12	98	13
23	25	70	72	85	106	111	53	14	20	11	68	12
24	33	65	98	80	101	135	56	13	16	10	47	12
25	43	85	101	70	93	144	47	12	13	11	39	12
26	44	95	96	70	84	147	38	11	11	13	31	11
27	41	80	94	70	77	147	30	12	9.6	16	26	11
28	38	75	94	65	70	135	25	50	8.5	15	23	11
29	38	70	100	60	---	116	22	55	8.2	16	21	11
30	49	65	110	55	---	97	20	34	7.7	40	22	11
31	76	---	105	55	---	91	---	26	---	86	33	---
TOTAL	1957	2109	2312	2341	3475	2668	1623	721	662.4	537.3	2089	450
MEAN	63.1	70.3	74.6	75.5	124	86.1	54.1	23.3	22.1	17.3	67.4	15.0
MAX	231	120	110	101	271	147	97	55	84	86	131	26
MIN	23	39	53	55	65	51	20	11	7.7	8.9	21	11
CFSM	.66	.73	.78	.79	1.29	.90	.56	.24	.23	.18	.70	.16
IN.	.76	.82	.90	.91	1.35	1.03	.63	.28	.26	.21	.81	.17

CAL YR 1980 TOTAL 36699.8 MEAN 100 MAX 651 MIN 9.8 CFSM 1.04 IN 14.22  
WTR YR 1981 TOTAL 20944.7 MEAN 57.4 MAX 271 MIN 7.7 CFSM .60 IN 8.12

## PEE DEE RIVER BASIN

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1971 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
OCT 17...	0930	22	30	6.0	16.0	9.0	K37	81	5	0
NOV 25...	0930	89	38	5.3	11.0	8.4	153	233	7	4
DEC 10...	0930	49	32	5.4	12.0	9.2	155	105	5	4
JAN 14...	0930	47	33	5.6	2.5	12.6	343	85	5	3
FEB 10...	0945	55	30	5.4	5.5	11.3	155	140	4	3
MAR 10...	0945	72	32	5.6	7.0	11.1	56	216	6	5
APR 08...	1000	56	39	5.3	14.0	9.0	68	110	5	--
MAY 12...	0830	29	25	5.5	15.5	8.4	K37	143	4	--
JUN 09...	0855	17	23	5.6	22.5	6.7	142	560	4	--
JUL 14...	0900	11	22	6.0	24.0	6.2	--	--	4	--
AUG 25...	0845	33	29	5.3	21.0	7.0	83	620	4	--
SEP 09...	0805	14	26	5.5	21.0	7.5	118	153	1	--

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 17...	.9	.7	3.4	56	.7	.5	5	4.2	4.7	.0
NOV 25...	1.1	1.0	3.2	49	.6	.5	--	6.8	5.3	.1
DEC 10...	.7	.7	3.4	60	.7	.3	--	5.5	5.4	.1
JAN 14...	.8	.7	2.7	52	.5	.4	--	3.9	4.6	.0
FEB 10...	.8	.6	3.4	61	.7	.2	--	3.5	4.1	<.1
MAR 10...	1.4	.7	3.4	52	.6	.4	--	5.1	4.6	<.1
APR 08...	.7	.7	3.4	59	.7	.4	--	4.5	4.8	<.1
MAY 12...	.7	.6	3.2	61	.8	.3	--	2.0	4.0	<.1
JUN 09...	.8	.4	3.8	68	.9	.2	--	4.4	3.8	<.1
JUL 14...	.8	.4	3.6	67	.8	.2	--	1.6	3.6	<.1
AUG 25...	.8	.5	3.1	60	.7	.4	--	2.7	4.7	<.1
SEP 09...	.2	.1	2.9	84	1.3	.2	--	2.1	4.0	<.1

02135300 SCAPE ORE SWAMP NEAR RISHOPVILLE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 100 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
OCT 17...	11	42	30	.06	2.5	.35	.020	--	--	--
NOV 25...	11	56	31	.08	13.5	--	--	2	.48	67
DEC 10...	11	40	28	.05	5.3	.16	.010	5	.66	83
JAN 14...	9.3	31	24	.04	3.9	.20	.010	4	.51	100
FEB 10...	8.3	34	22	.05	5.1	.17	.010	4	.59	89
MAR 10...	6.0	36	23	.05	7.0	.08	.020	4	.74	97
APR 08...	3.9	33	20	.04	5.0	.11	.020	2	.30	100
MAY 12...	8.4	31	21	.04	2.4	.22	.010	39	3.1	50
JUN 09...	7.5	28	23	.04	1.3	.22	.030	18	.83	50
JUL 14...	6.7	25	20	.03	.74	.41	<.010	3	.09	75
AUG 25...	11	43	25	.06	3.8	.33	.020	5	.45	67
SEP 09...	8.5	37	22	.05	1.4	.52	.020	12	.45	50

DATE	TIME	PCH, TOTAL (UG/L)	PCH, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 25...	0930	<.10	<1	<.10	<.01	<.1	<.10	<1.0	<.01	3.3

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 25...	<.01	23	<.01	<.1	<.01	<.01	.1	<.01	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE, TOTAL (UG/L)	LINDANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
NOV 25...	<.01	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 25...	<.01	<.01	<.01	<.10	<1.0	<.01	.00	.00	.00

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM, TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)
NOV 25...	0930	--	100	0	30	3	420
MAY 12...	0830	0	100	1	10	3	530

## PEE DEE RIVER BASIN

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PR)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELF- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)
NOV 25...	15	80	--	--	0	20	--
MAY 12...	5	20	<.1	0	0	10	<.01

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	GROSS ALPHA. DIS- SOLVED (PCI/L AS U-NAT)	GROSS ALPHA. SUSP. TOTAL (PCI/L AS U-NAT)	GROSS ALPHA. DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA. SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
NOV 25...	0930	.9	<.3	1.3	<.4	2.0	<.5	1.9	<.5	.20	.05



## 55

LOCATION.--Lat 33°54'00", long 80°09'55", Sumter County, Hydrologic Unit 03040205, near left bank on downstream side of McBride Crossing on U.S. Highway 378, 1 mi (1.6 km) downstream from Church Branch, 6.3 mi (10.1 km) northwest of Gable, and at mile 123.1 (198.1 km).

DRAINAGE AREA.--401 mi<sup>2</sup> (1,039 km<sup>2</sup>).

PERIOD OF RECORD.--June 1951 to June 1966, April 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 95 ft (29 m) (from topographic map). Crest-stage station October 1970 to September 1971 at same site and datum. Prior to Dec. 9, 1955, wire-weight gage at same site and datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--23 years, 383 ft<sup>3</sup>/s (10.85 m<sup>3</sup>/s), 12.97 in/yr (329 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft<sup>3</sup>/s (354 m<sup>3</sup>/s) Mar. 5, 1971, gage height, 6.82 ft (2.079 m); maximum gage height 6.92 ft (2.109 m) June 13, 1973; no flow for several days in 1954, 1956, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,860 ft<sup>3</sup>/s (81.0 m<sup>3</sup>/s) July 4, gage height, 5.03 ft (1.533 m); minimum daily, 2.2 ft<sup>3</sup>/s (0.062 m<sup>3</sup>/s) Sept. 29, 30.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	86	152	197	142	164	227	30	64	96	322	63
2	189	86	149	193	156	168	231	26	81	129	355	50
3	275	90	145	189	164	164	227	23	118	255	348	41
4	298	96	142	185	160	156	214	19	245	2100	412	36
5	286	98	139	176	156	185	201	17	218	2130	457	36
6	281	98	135	164	149	193	193	16	132	1210	355	37
7	265	98	132	172	145	185	176	36	86	669	265	32
8	241	93	126	168	142	181	164	68	61	376	209	27
9	201	90	126	160	139	172	149	56	43	250	218	29
10	172	90	129	149	135	160	139	47	32	181	227	21
11	145	88	142	145	189	152	129	51	23	142	209	15
12	118	83	139	142	227	142	121	58	18	214	355	13
13	101	81	135	132	227	139	112	50	14	270	955	9.7
14	88	81	139	126	227	132	101	40	11	405	1040	7.4
15	74	96	139	129	231	132	106	33	8.3	348	697	7.0
16	63	123	135	126	227	126	96	27	6.3	236	457	6.0
17	53	132	132	123	231	123	86	23	4.8	172	376	6.0
18	47	152	132	121	250	129	76	20	12	193	322	5.6
19	44	152	129	118	286	164	68	18	106	139	275	5.3
20	40	152	123	115	304	176	68	19	292	101	245	4.8
21	37	156	121	132	292	176	79	45	488	83	227	4.5
22	36	152	115	142	265	185	74	33	369	61	214	4.2
23	36	152	139	145	241	218	64	25	281	51	201	4.0
24	45	156	160	149	222	236	70	19	250	193	189	3.3
25	48	156	164	149	209	241	61	16	270	335	176	3.1
26	47	156	164	145	201	245	53	14	250	245	160	2.9
27	45	164	172	142	185	245	47	33	197	164	139	2.7
28	47	164	189	152	176	231	43	121	123	123	118	2.5
29	50	160	193	156	---	218	37	106	61	88	104	2.2
30	63	156	189	152	---	218	34	58	34	185	90	2.2
31	81	---	193	145	---	218	---	33	---	286	81	---
TOTAL	3680	3637	4519	4639	5678	5574	3446	1180	3898.4	11430	9798	483.4
MEAN	119	121	146	150	203	180	115	38.1	130	369	316	16.1
MAX	298	164	193	197	304	245	231	121	488	2130	1040	63
MIN	36	81	115	115	135	123	34	14	4.8	51	81	2.2
CFSM	.30	.30	.36	.37	.51	.45	.29	.10	.32	.92	.79	.04
IN.	.34	.34	.42	.43	.53	.52	.32	.11	.36	1.06	.91	.04
CAL YR 1980	TOTAL	117265.7	MEAN	320	MAX	2700	MIN	2.0	CFSM	.80	IN	10.88
WTR YR 1981	TOTAL	57962.8										

## PEE DEE RIVER BASIN

02136000 BLACK RIVER AT KINGSTREE, S.C.  
(National stream-quality accounting network station)  
(Pesticide program station)

LOCATION.--Lat 33°39'40", long 79°50'10", Williamsburg County, Hydrologic Unit 03040205, on left bank at downstream side of bridge on U.S. Highway 52 at Kingstree, 1.0 mi (1.6 km) downstream from Kingstree Swamp Canal, and at mile 86.7 (139.5 km).

DRAINAGE AREA.--1,252 mi<sup>2</sup> (3,243 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1929 to current year. Gage-height records collected at same site since 1894 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1032: 1929(m), drainage area. WSP 1333: 1930(m), 1931, 1936.

GAGE.--Water-stage recorder. Datum of gage is 25.66 ft (7.821 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 7, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--52 years, 930 ft<sup>3</sup>/s (26.34 m<sup>3</sup>/s), 10.09 in/yr (256 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,000 ft<sup>3</sup>/s (1,640 m<sup>3</sup>/s) June 14, 1973, gage height, 19.77 ft (6.026 m); minimum, 2.0 ft<sup>3</sup>/s (0.06 m<sup>3</sup>/s) Sept. 12-15, Oct. 7, 8, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,520 ft<sup>3</sup>/s (43.0 m<sup>3</sup>/s) July 12, gage height, 9.09 ft (2.771 m); minimum, 20 ft<sup>3</sup>/s (0.57 m<sup>3</sup>/s) Sept. 29, 30, gage height, 1.57 ft (0.479 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1991  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	113	283	391	322	660	588	110	77	79	147	287
2	52	123	283	396	343	621	608	98	86	74	247	259
3	85	125	281	396	379	584	633	91	100	93	412	234
4	116	125	275	395	412	553	663	84	123	220	514	210
5	136	124	270	391	432	569	674	77	129	388	580	186
6	153	127	264	394	435	582	677	70	140	463	588	162
7	170	129	260	402	430	593	657	74	163	466	549	146
8	194	128	254	411	421	597	623	93	190	580	510	131
9	223	126	249	415	411	591	584	133	214	726	505	124
10	262	127	245	417	399	580	540	176	232	868	538	115
11	308	128	243	408	418	561	493	190	232	1140	599	103
12	344	126	241	391	476	534	448	188	219	1460	669	93
13	363	126	245	363	530	503	406	176	202	1470	700	83
14	357	125	250	348	574	472	371	156	172	1230	720	73
15	335	126	252	337	610	443	341	135	149	933	666	64
16	303	133	253	327	641	420	318	117	130	744	606	58
17	270	142	253	318	666	401	300	102	111	553	623	53
18	239	162	253	310	680	386	277	91	97	427	694	48
19	211	178	253	300	694	398	254	79	92	371	800	45
20	186	196	250	293	709	405	231	71	83	317	875	43
21	164	213	245	296	726	409	219	65	68	256	912	40
22	147	227	240	299	735	412	208	59	61	202	926	36
23	132	236	246	309	747	437	203	56	58	174	912	33
24	122	244	256	317	759	466	201	54	66	153	855	31
25	115	246	273	319	769	491	196	54	93	141	747	29
26	111	247	292	317	765	514	189	51	117	123	621	26
27	107	254	308	313	747	540	174	50	117	109	520	25
28	103	261	327	314	709	557	156	50	103	114	443	22
29	98	268	344	318	---	567	138	48	94	153	385	20
30	99	277	366	321	---	574	123	53	87	182	341	21
31	103	---	382	323	---	578	---	66	---	168	312	---
TOTAL	5642	5164	8436	10849	15939	15998	11493	2917	3805	14377	18516	2800
MEAN	182	172	272	350	569	516	383	94.1	127	464	597	93.3
MAX	363	277	382	417	769	660	677	190	232	1470	926	287
MIN	34	113	240	293	322	386	123	48	58	74	147	20
CFSM	.15	.14	.22	.28	.45	.41	.31	.08	.10	.37	.48	.08
IN.	.17	.15	.25	.32	.47	.48	.34	.09	.11	.43	.55	.08
CAL YR 1980	TOTAL	391705	MEAN	1070	MAX	8000	MIN 10	CFSM .86	IN 11.64			
WTR YR 1981	TOTAL	115936	MEAN	318	MAX	1470	MIN 20	CFSM .25	IN 3.44			

## 02136000 BLACK RIVER AT KINGSTREE, S.C.--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1962 to September 1966, July 1972 to July 1973, October 1974 to current year.

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1975 to September 1981 (discontinued).

WATER TEMPERATURE: April 1975 to current year.

INSTRUMENTATION.--Servo Programmer April 1975 to September 1981.

## EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 185 micromhos Nov. 30, 1978; minimum, 41 micromhos Mar. 31, 1980.

WATER TEMPERATURE: Maximum, 33.0°C June 25, 1981; minimum, 0.5°C Jan. 19-24, 1977, Jan. 13-14, 1981.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	
OCT 06...	1115	193	220	6.6	18.0	.70	8.1	227	137	72	55	19	
NOV 05...	1145	167	129	6.7	14.5	.50	8.8	95	68	21	0	5.3	
DEC 02...	1150	351	105	6.7	9.0	.70	9.6	177	123	18	4	4.3	
JAN 07...	1200	492	99	6.6	3.5	.90	12.3	108	83	15	3	3.9	
FEB 03...	1230	459	93	6.6	7.0	1.0	11.2	200	143	16	6	4.1	
MAR 03...	1230	663	88	6.3	13.5	1.2	8.2	80	55	15	--	3.9	
APR 15...	1215	396	86	6.4	21.0	1.3	5.7	K27	120	14	--	3.6	
MAY 04...	1145	122	116	6.8	20.5	1.8	7.8	K39	102	19	--	4.8	
JUN 02...	1145	122	111	7.0	26.5	4.0	6.3	K33	303	15	--	3.8	
JUL 08...	1140	620	102	6.0	27.0	3.5	4.2	132	890	26	--	7.3	
AUG 25...	1200	820	73	6.2	23.0	2.4	5.9	65	1240	13	--	3.7	
SEP 02...	1200	301	86	6.5	25.0	1.1	5.7	K37	580	14	--	3.5	
DATE		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	POTAS- SIUM 40 DIS- SOLVED (PCI/L AS K40)	ALKA- LINITY LAR (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT 06...	6.0	19	36	1.0	2.3	--	17	67	14	.1	17	177	
NOV 05...	1.9	18	62	1.7	2.1	--	--	18	17	.1	15	114	
DEC 02...	1.8	16	64	1.6	1.3	1.0	--	19	18	.1	16	112	
JAN 07...	1.3	12	60	1.3	1.6	--	12	19	12	.1	11	90	
FEB 03...	1.5	13	61	1.4	1.1	.80	10	17	11	<.1	8.4	78	
MAR 03...	1.3	11	58	1.2	1.5	1.1	8.0	13	12	<.1	4.9	84	
APR 15...	1.3	13	63	1.5	2.0	1.5	14	7.0	12	<.1	4.2	100	
MAY 04...	1.7	17	63	1.7	2.1	1.6	21	8.3	12	.2	9.0	52	
JUN 02...	1.3	18	69	2.0	1.9	1.4	25	10	11	.2	5.1	110	
JUL 08...	2.0	9.0	40	.8	2.3	1.7	7.0	20	9.0	<.1	8.1	116	
AUG 25...	1.0	10	59	1.2	1.2	.90	8.0	5.8	11	.1	12	106	
SEP 02...	1.3	12	62	1.4	1.5	1.1	19	5.5	12	.1	13	97	

02136000 BLACK RIVER AT KINGSTREE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DATE	SOLIDS, SUM OF CO-STI- TUENTS, DTS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)
OCT 06...	155	.24	92.2	.09	.11	.040	.060	.05	.08	.90	.89
NOV 05...	91	.16	51.4	.09	.10	.040	.050	.05	.06	.55	1.1
DEC 02...	85	.15	106	.04	.04	.020	.000	.02	.00	.52	.38
JAN 07...	68	.12	120	.05	.05	.000	.000	.00	.00	.39	.35
FEB 03...	62	.11	96.7	.04	.04	.020	.020	.02	.03	.46	.48
MAR 03...	54	.11	150	.04	.04	.110	.100	--	.13	.46	.49
APR 15...	52	.14	107	.04	.05	.040	.080	--	.10	.91	.72
MAY 04...	69	.07	17.1	.16	.19	.200	.180	--	.23	1.2	1.1
JUN 02...	69	.15	36.2	.34	.34	.070	.040	--	.05	.81	.70
JUL 08...	63	.16	194	.14	.14	.030	.040	--	.05	.82	.60
AUG 25...	50	.14	235	.09	.08	.020	.030	--	.04	.87	.73
SEP 02...	62	.13	78.8	.11	.08	.060	.040	--	.05	1.0	.75
DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
OCT 06...	.94	.00	.95	1.0	1.1	4.6	.120	.37	.110	20	--
NOV 05...	.59	.00	1.1	.68	1.2	3.0	.150	.46	.120	--	65
DEC 02...	.54	.16	.38	.58	.42	2.6	.070	.21	.060	--	--
JAN 07...	.39	.04	.35	.44	.40	1.9	.070	.21	.060	13	--
FEB 03...	.48	.00	.50	.52	.54	2.3	.080	.25	.070	9.4	--
MAR 03...	.57	.00	.59	.61	.63	2.7	.100	.31	.080	--	52
APR 15...	.95	.15	.80	.99	.85	4.4	.170	.52	.130	25	--
MAY 04...	1.40	.10	1.3	1.6	1.5	6.9	.450	1.4	.410	17	--
JUN 02...	.88	.14	.74	1.2	1.1	5.4	.400	1.2	.350	--	960
JUL 08...	.85	.21	.64	.99	.78	4.4	.090	.28	.070	23	1700
AUG 25...	.89	.13	.76	.98	.84	4.3	.100	.31	.080	23	14
SEP 02...	1.10	.31	.79	1.2	.87	5.4	.150	.46	.120	--	70

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

[illegible]



02136000 BLACK RIVER AT KINGSTREE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)		ARSENIC SUS- PENDED TOTAL (UG/L AS AS)		ARSENIC DIS- SOLVED (UG/L AS AS)		BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)		BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)		BARIUM, DIS- SOLVED (UG/L AS BA)		CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)		CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)		CADMIUM DIS- SOLVED (UG/L AS CD)		CHROMIUM, TOTAL RECOV- ERABLE (UG/L AS CR)		CHROMIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)			
		AS	AS	AS	AS	AS	AS	AS	BA	AS	BA	AS	BA	AS	CD	AS	CD	AS	CD	AS	CD	AS	CR	AS	CR
DEC 02...	1150	--	--			1		100		0		100		0		0		0		0		10		--	
MAR 03...	1230	1		0		1		100		0		100		0		0		0		0		20		10	
JUN 02...	1145	1		0		2		100		60		40		1		--		<1		<1		10		0	
SEP 02...	1200	2		1		1		100		0		200		1		--		<1		<1		10		--	
DATE		CHROMIUM, DIS- SOLVED (UG/L AS CR)		COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)		COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)		COBALT, DIS- SOLVED (UG/L AS CO)		COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)		COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)		COPPER, DIS- SOLVED (UG/L AS CU)		IRON, TOTAL RECOV- ERABLE (UG/L AS FE)		IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)		IRON, DIS- SOLVED (UG/L AS FE)		LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)			
		AS	CR	AS	CO	AS	CO	AS	CO	AS	CU	AS	CU	AS	CU	AS	FE	AS	FE	AS	FE	AS	FE	AS	PB
DEC 02...		<10		2		0		2		0		0		29		500		140		360				1	
MAR 03...		10		1		1		0		4		0		73		530		130		400				8	
JUN 02...		10		1		0		1		3		0		86		1100		370		730				38	
SEP 02...		<10		1		0		1		79		0		110		1300		320		980				24	
DATE		LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)		LEAD, DIS- SOLVED (UG/L AS PB)		MANGANESE, TOTAL RECOV- ERABLE (UG/L AS MN)		MANGANESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)		MANGANESE, DIS- SOLVED (UG/L AS MN)		MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)		MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)		MERCURY DIS- SOLVED (UG/L AS HG)		NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)		NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)		NICKEL, DIS- SOLVED (UG/L AS NI)			
		AS	PB	AS	PB	AS	MN	AS	MN	AS	MN	AS	HG	AS	HG	AS	HG	AS	HG	AS	NI	AS	NI	AS	NI
DEC 02...		1		0		30		0		30		--		--		.1		0		0		0		0	
MAR 03...		0		9		40		30		10		.4		.2		.2		8		0		0		17	
JUN 02...		20		18		60		0		60		<.1		--		<.1		14		0		0		16	
SEP 02...		9		15		60		20		40		.1		.0		.1		9		0		0		9	
DATE		SELENIUM, TOTAL (UG/L AS SE)		SELENIUM, SUS- PENDED TOTAL (UG/L AS SE)		SELENIUM, DIS- SOLVED (UG/L AS SE)		SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)		SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)		SILVER, DIS- SOLVED (UG/L AS AG)		ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)		ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)		ZINC, DIS- SOLVED (UG/L AS ZN)		CARBON, ORGANIC DIS- SOLVED (MG/L AS C)		CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)			
		AS	SE	AS	SE	AS	SE	AS	AG	AS	AG	AS	AG	AS	ZN	AS	ZN	AS	ZN	AS	C	AS	C	AS	C
DEC 02...		--		--		0		3		0		3		130		110		20		15				.5	
MAR 03...		0		0		0		0		0		0		60		0		300		15				--	
JUN 02...		0		0		0		0		0		0		20		0		220		13				.7	
SEP 02...		<1		--		<1		<1		--		<1		10		0		270		3.1				.7	

## 61

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.0	5.5	6.0	14.0	13.0	13.5	19.0	18.0	18.5	25.0	23.0	23.5
2	8.0	7.0	7.5	15.5	14.0	14.5	20.0	17.5	18.5	24.0	21.5	22.5
3	8.0	7.0	7.5	15.5	14.5	15.0	19.5	17.5	18.5	23.0	19.5	21.0
4	7.0	5.5	6.0	14.5	14.0	14.0	20.5	18.0	19.0	22.5	19.0	20.5
5	5.5	4.0	4.5	15.0	13.5	14.0	21.0	19.5	20.5	23.5	20.0	21.5
6	4.5	4.0	4.0	15.5	13.5	14.5	20.5	19.5	20.0	23.5	21.5	22.5
7	4.5	4.0	4.5	14.5	13.5	14.0	19.5	17.5	18.5	23.0	18.0	21.0
8	6.0	4.5	5.5	13.5	12.0	12.5	18.0	16.5	17.0	19.0	16.5	18.0
9	6.5	5.0	6.0	12.5	11.0	11.5	19.0	17.0	18.0	18.5	18.0	18.5
10	8.5	6.0	7.0	12.5	11.0	11.5	20.0	17.5	18.5	19.5	18.0	19.0
11	10.0	8.5	9.0	12.5	11.0	12.0	21.0	19.0	20.0	22.0	19.0	20.0
12	9.5	8.5	9.0	13.0	11.5	12.0	22.0	20.0	21.0	22.5	19.5	21.0
13	8.5	7.0	7.5	13.5	12.0	13.0	23.0	21.0	22.0	23.0	20.0	21.5
14	7.0	6.0	6.5	14.5	12.5	13.5	22.5	21.5	22.0	24.0	20.5	22.0
15	8.0	6.5	7.5	14.5	12.0	13.5	22.0	20.5	21.5	24.5	21.5	23.0
16	10.0	8.0	9.0	14.0	13.0	13.5	21.0	18.5	20.0	23.5	21.0	22.5
17	11.5	10.0	10.5	13.5	12.0	13.0	20.5	18.5	19.5	23.0	21.0	22.0
18	12.5	11.5	12.0	13.0	12.0	12.5	21.5	19.0	20.0	24.0	21.0	22.5
19	13.5	12.5	13.0	13.0	12.0	12.5	22.5	20.0	21.5	26.0	22.5	24.0
20	14.5	13.0	13.5	13.0	11.5	12.5	23.5	21.0	22.0	24.5	21.5	23.5
21	14.5	13.5	14.0	12.0	10.5	11.5	22.0	20.0	20.5	22.5	20.0	21.0
22	14.5	13.5	14.0	11.5	10.5	11.0	20.5	18.5	19.5	23.0	19.5	21.0
23	15.0	14.0	14.5	10.5	10.0	10.5	21.0	19.0	20.0	23.0	20.5	21.5
24	14.5	13.5	14.0	11.5	9.5	10.5	22.0	19.5	20.5	24.5	22.0	23.0
25	13.5	12.5	13.0	12.5	10.0	11.5	22.0	19.5	20.5	25.0	22.5	23.5
26	13.5	12.0	13.0	14.0	11.5	12.5	22.0	19.0	20.5	25.0	23.0	24.0
27	13.0	12.0	12.5	15.0	13.0	14.0	23.0	19.5	21.0	25.0	23.0	23.5
28	13.0	11.5	12.5	16.5	14.0	15.0	23.5	20.5	22.0	25.5	23.0	24.0
29	---	---	---	16.5	15.0	16.0	24.0	21.5	23.0	26.0	24.0	24.5
30	---	---	---	17.5	16.0	16.5	24.5	22.5	23.0	27.0	24.0	25.5
31	---	---	---	19.0	16.5	18.0	---	---	---	28.5	25.5	26.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.0	25.5	26.0	26.5	24.0	25.0	25.5	24.5	25.0	26.0	24.0	25.0
2	27.5	25.0	26.0	24.5	23.5	24.0	24.5	24.0	24.0	26.0	24.0	25.0

## PEE DEE RIVER BASIN

02136000 BLACK RIVER AT KINGSTREE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	167	129	---	108	96	102	102	99	101	106	102	105
2	126	99	109	101	88	96	104	101	103	111	107	109
3	99	96	98	94	58	83	106	103	104	114	111	113
4	99	98	98	76	52	58	106	94	104	117	115	116
5	111	98	108	64	52	57	91	76	82	119	117	118
6	111	110	110	71	64	68	76	67	72	121	118	119
7	110	94	100	78	68	74	66	61	63	115	94	99
8	101	93	97	76	56	63	67	62	65	95	83	85
9	116	102	107	56	54	55	74	67	70	87	83	84
10	104	100	102	53	52	52	78	73	76	87	83	84
11	102	97	99	55	52	53	83	79	81	95	88	91
12	94	92	93	60	54	57	87	84	86	107	96	101
13	96	93	94	66	59	62	91	88	90	117	108	112
14	106	96	101	78	66	72	93	91	92	123	118	122
15	120	107	114	89	78	84	96	93	95	121	111	116
16	130	119	125	97	88	93	97	96	97	139	121	132
17	143	130	137	105	97	102	97	96	97	137	127	132
18	132	117	126	112	106	110	96	94	95	128	132	135
19	153	123	138	117	112	116	95	91	93	144	126	133
20	134	123	127	123	117	121	92	86	88	149	143	146
21	139	123	131	128	123	127	86	79	82	143	134	138
22	156	139	148	129	126	127	79	77	78	151	141	145
23	155	140	148	128	126	127	78	76	77	151	123	---
24	140	114	127	135	128	131	77	77	77	151	126	---
25	118	100	109	141	132	---	78	77	78	151	127	---
26	120	105	114	141	---	---	80	78	79	151	---	---
27	115	107	113	141	---	---	80	73	78	151	---	---
28	110	98	103	141	---	---	85	77	81	151	144	---
29	105	93	98	141	107	---	91	86	89	151	144	---
30	101	94	97	107	97	100	97	92	94	151	---	---
31	---	---	---	101	97	99	102	97	99	---	---	---
YEAR	173	52	99									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	23.5	22.5	22.5	15.0	13.0	14.0	8.5	7.5	8.0	8.0	7.0	7.5
2	24.5	22.5	23.5	14.5	13.0	13.5	9.0	7.5	8.5	8.0	7.0	7.5
3	24.5	22.5	23.5	14.0	13.0	13.5	9.0	8.0	8.5	7.0	6.5	6.5
4	23.0	22.0	22.0	15.0	13.5	14.0	8.5	8.0	8.0	7.0	6.0	6.5
5	21.5	19.5	21.0	14.5	13.5	14.0	8.0	7.0	7.5	5.5	4.5	5.0
6	21.0	19.0	20.0	13.5	12.5	13.0	7.5	6.5	7.0	4.5	3.5	4.5
7	19.5	17.5	18.5	13.5	12.0	12.5	8.0	7.0	7.5	4.0	3.0	3.5
8	19.0	17.0	18.0	14.0	12.0	13.0	9.0	7.5	8.5	4.5	3.5	4.0
9	20.0	17.0	18.0	14.5	13.0	14.0	11.0	8.5	9.5	4.0	3.5	4.0
10	19.5	17.5	14.5	15.0	13.5	14.0	12.0	11.0	11.5	3.5	3.0	3.0
11	20.0	18.0	19.0	14.0	12.5	13.0	12.5	11.5	12.0	3.0	2.0	2.5
12	20.0	18.5	19.0	12.0	11.0	11.5	11.5	10.5	11.0	2.5	1.0	1.5
13	18.5	17.0	18.0	11.5	10.0	10.5	10.5	9.5	10.0	1.5	.5	1.0
14	17.0	15.5	16.0	11.5	10.0	11.0	10.0	8.5	9.0	1.5	.5	1.0
15	16.0	15.0	15.5	12.5	11.5	12.0	9.0	8.0	8.5	3.0	1.5	2.5
16	16.5	15.0	16.0	12.5	12.0	12.5	8.5	8.5	8.5	4.0	2.5	3.0
17	18.0	15.0	17.0	12.0	11.5	11.5	9.0	8.5	8.5	4.0	3.0	3.5
18	19.0	17.5	18.5	12.5	11.5	12.0	8.5	7.5	8.0	3.5	2.5	3.0
19	20.5	19.0	19.5	12.0	10.0	11.0	8.5	7.5	8.0	3.5	2.5	3.0
20	20.5	19.0	20.0	10.0	9.0	9.5	8.0	7.5	8.0	3.5	3.0	3.0
21	19.0	18.0	18.5	10.0	8.5	9.5	7.5	6.0	6.5	4.5	3.5	4.5
22	18.0	17.5	18.0	8.5	7.5	8.0	6.0	5.0	5.5	6.0	4.5	5.0
23	17.5	16.5	17.0	9.0	8.0	8.5	5.0	4.5	5.0	6.5	5.0	5.5
24	16.5	16.0	16.0	10.5	9.0	10.0	6.5	5.0	5.5	6.5	5.5	6.0
25	16.5	15.5	16.0	12.0	10.5	11.0	6.5	5.5	6.0	6.5	5.0	6.0
26	15.5	14.0	14.5	11.5	11.0	11.0	5.5	4.5	5.0	6.5	5.5	6.0
27	15.0	13.0	14.0	12.0	11.0	11.5	4.5	3.5	3.5	7.5	6.5	7.0
28	15.0	14.0	14.5	11.5	10.0	11.0	4.0	3.5	4.0	6.5	7.5	8.0
29	15.5	14.5	15.0	10.0	9.5	10.0	5.5	4.5	5.0	9.5	8.0	8.5
30	15.5	14.0	15.0	9.0	8.0	8.5	7.0	5.5	6.5	9.0	8.0	8.5
31	14.5	13.5	14.0	---	---	---	8.0	7.0	7.5	8.0	6.5	7.0

02136000 BLACK RIVER AT KINGSTREE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	167	---	---	167	154	---	104	103	103	98	95	96
2	167	---	---	154	151	152	104	102	103	97	95	96
3	167	---	---	150	148	149	102	101	101	97	95	96
4	167	---	---	147	127	138	101	100	101	100	98	99
5	167	---	---	131	127	129	100	98	99	99	98	99
6	167	---	---	129	125	126	99	98	99	98	96	97
7	167	---	---	128	125	127	99	98	99	99	96	97
8	167	---	---	127	123	126	99	99	99	100	98	99
9	167	---	---	122	117	120	99	98	99	100	99	99
10	167	---	---	119	116	117	101	99	100	100	98	99
11	167	---	---	120	115	118	102	101	101	99	98	99
12	167	---	---	116	111	113	101	99	100	99	97	98
13	167	---	---	114	109	112	100	99	99	98	97	97
14	167	---	---	117	113	115	100	98	99	99	97	98
15	167	---	---	117	116	116	99	98	98	102	99	101
16	167	---	---	118	114	117	98	98	98	101	100	101
17	167	---	---	117	112	115	100	98	99	100	99	100
18	167	---	---	116	112	114	99	97	98	100	99	99
19	167	---	---	113	111	112	100	98	99	99	99	99
20	167	---	---	111	107	109	99	98	99	99	98	99
21	167	---	---	108	107	108	99	98	99	101	99	100
22	167	---	---	108	106	107	98	96	97	102	100	101
23	167	---	---	108	106	107	98	95	96	101	99	100
24	167	---	---	107	105	106	99	98	98	101	99	100
25	167	---	---	108	105	107	99	96	98	100	99	99
26	167	---	---	109	107	107	97	95	96	100	99	99
27	167	---	---	110	107	108	95	94	95	100	99	99
28	167	---	---	110	106	107	97	94	95	101	100	100
29	167	159	---	106	103	104	98	96	97	102	101	101
30	167	---	---	103	102	103	97	93	95	102	100	101
31	167	---	---	---	---	---	97	94	95	101	98	100

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	98	97	98	88	86	87	79	78	78	121	118	120
2	99	97	98	88	87	88	79	77	78	120	116	118
3	99	98	99	89	88	88	77	75	76	126	118	121
4	97	94	96	88	86	87	76	75	76	130	122	125
5	94	93	93	90	86	88	77	75	76	133	124	128
6	93	92	93	88	86	87	79	77	78	167	128	---
7	93	92	92	86	83	85	77	75	77	167	---	---
8	95	92	93	83	82	83	76	75	75	167	---	---
9	95	93	94	82	81	82	76	75	75	167	---	---
10	95	94	94	82	81	81	78	75	76	167	117	---
11	101	95	97	82	81	82	79	76	77	116	110	112
12	100	97	98	83	81	82	79	78	78	110	107	109
13	97	94	95	86	82	83	81	77	79	107	102	105
14	94	92	93	86	84	85	81	79	80	101	95	99
15	94	92	93	86	84	85	81	79	80	98	95	97
16	96	93	95	85	84	85	80	78	79	99	97	98
17	97	96	96	86	84	85	79	77	78	102	97	101
18	97	96	97	84	82	83	81	77	79	111	101	106
19	98	96	97	84	82	83	81	78	80	110	107	108
20	97	96	97	84	82	83	86	80	83	114	108	111
21	96	95	96	82	81	81	89	85	86	116	111	114
22	95	94	94	81	80	81	94	88	91	121	112	115
23	94	92	93	80	79	79	95	86	92	121	117	119
24	93	90	91	81	79	80	87	84	85	124	113	118
25	90	89	90	81	80	80	93	86	89	138	125	132
26	90	88	89	80	78	79	98	93	96	142	129	137
27	89	86	88	78	77	78	108	97	102	136	126	129
28	87	86	86	79	77	78	115	108	111	173	137	149
29	---	---	---	78	77	78	116	111	113	167	---	---
30	---	---	---	79	77	78	121	114	118	167	---	---
31	---	---	---	79	71	78	---	---	---	167	---	---

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.

LOCATION.--Lat 34°59'05", long 80°58'27", York County, Hydrologic Unit 03050103, on right bank at downstream side of bridge on U.S. Highway 21, 3.5 mi (5.6 km) downstream from Lake Wylie Dam, 5.0 mi (8.0 km) northeast of Rock Hill, 7.5 mi (12.1 km) upstream from Sugar Creek, and at mile 137.6 (221.4 km).

DRAINAGE AREA.--3,050 mi<sup>2</sup> (7,900 km<sup>2</sup>), approximately.

PERIOD OF RECORD.--September 1895 to September 1903, April 1942 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1303: 1895-1903, WSP 1333: 1942-43(M), 1953(M). WSP 1623: 1942-51 (yearly runoff).

GAGE.--Water-stage recorder. Datum of gage is 485.82 ft (148.078 m). Sept. 23, 1895, to July 31, 1903, nonrecording gage at Southern Railway bridge, 2.0 mi (3.2 km) downstream, at different datum.

REMARKS.--Records good. Flow regulated by Lake Wylie, usable capacity, 2,520,500,000 ft<sup>3</sup> (71,380,600 m<sup>3</sup>) and by other powerplants above station.

AVERAGE DISCHARGE.--47 years, 4,567 ft<sup>3</sup>/s (129.3 m<sup>3</sup>/s) 20.33 in/yr (516 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft<sup>3</sup>/s (4,280 m<sup>3</sup>/s) May 23, 1901, gage height, 24.15 ft (7.361 m), site and datum then in use; minimum daily, 418 ft<sup>3</sup>/s (11.8 m<sup>3</sup>/s) Mar. 8, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,300 ft<sup>3</sup>/s (377 m<sup>3</sup>/s) Jan. 5, gage height, 7.47 ft (2.277 m); minimum daily, 418 ft<sup>3</sup>/s (11.8 m<sup>3</sup>/s) Mar. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	979	771	2440	698	1830	396	3790	640	1710	802	1550	1980
2	3130	680	2490	1580	6670	2210	1880	686	8210	700	697	2460
3	2300	1460	4590	3820	4830	2990	2740	656	9380	715	1570	2030
4	1290	2060	5790	4980	2710	4820	533	746	7590	655	5080	1940
5	697	3520	3830	9630	3530	4390	515	664	6790	2680	5960	737
6	1510	3140	1290	6640	3260	4340	3120	1460	4850	4770	4730	729
7	3940	3310	726	3890	1930	2880	2500	1850	3060	4210	4250	1290
8	1960	733	3660	2840	505	418	2000	2670	4590	2630	2530	522
9	4550	682	2760	4190	2860	3680	3070	1080	4550	4670	862	4340
10	4510	3870	4860	3330	4290	1600	1580	836	5730	5660	1910	1200
11	1250	4050	4390	3920	1330	1530	1200	632	4910	3480	3790	2540
12	657	3210	2030	5190	721	1760	614	1800	3310	1080	1110	639
13	640	2840	1190	4840	3220	1400	2010	1150	3940	6760	3490	831
14	5310	3120	700	2970	2440	1340	2670	1320	1370	4470	3110	4420
15	2590	1010	2740	2070	1280	478	2870	993	5010	2670	1510	2710
16	3400	737	1950	3130	4640	2910	796	698	5620	3670	724	1500
17	3500	5870	2440	4140	1650	2260	1920	684	7270	5680	1080	1400
18	812	6110	2100	1870	1670	1660	704	1390	1940	1890	769	766
19	743	4760	1780	3040	5690	4010	655	1110	2020	730	659	487
20	1420	4640	1000	4450	5650	2360	671	3480	2990	5300	837	528
21	1320	2970	1500	5180	2810	1690	722	1980	1090	2000	788	821
22	734	2730	2030	1960	955	884	1280	827	6400	3140	506	2700
23	3740	1080	820	1220	3310	2230	995	772	5680	2390	672	644
24	5280	3270	790	1720	3880	1040	2140	742	4480	2550	1860	1040
25	730	2110	785	587	4470	971	656	1310	4470	4020	854	1720
26	657	2710	4560	604	2920	848	631	1050	1710	925	1540	631
27	2260	1470	6680	565	1960	519	1610	799	902	4290	907	528
28	3860	2230	947	662	422	515	1490	1680	722	4880	880	530
29	3810	3730	3250	1430	---	471	700	1690	584	4930	588	594
30	5320	1390	1290	3920	---	489	678	1370	742	864	556	457
31	2250	---	1610	4760	---	3480	---	3010	---	605	2950	---
TOTAL	75149	80263	77018	99826	81433	60569	46740	39775	121620	93816	58319	42714
MEAN	2424	2675	2484	3220	2908	1954	1558	1283	4054	3026	1881	1424
MAX	5320	6110	6680	9630	6670	4820	3790	3480	9380	6760	5960	4420
MIN	640	680	700	565	422	396	515	632	584	605	506	457
CAL YR 1980 TOTAL	1606686			MEAN 4390	MAX 16400	MIN 558						
WTR YR 1981 TOTAL	877242			MEAN 2403	MAX 9630	MIN 396						



## 02147000 CATAWBA RIVER NEAR CATAWBA, S.C.

LOCATION.--Lat 34°51'09", long 80°52'06", York County, Hydrologic Unit 03050103, on right bank, 60 ft (20 m) downstream from Seaboard Coast Line Railroad bridge, 200 ft (60 m) downstream from Twelvemile Creek, 2.5 mi (4.0 km) east of Catawba, and at mile 122.8 (197.6 km).

DRAINAGE AREA.--3,530 mi<sup>2</sup> (9,140 km<sup>2</sup>), approximately.

PERIOD OF RECORD.--October 1968 to current year. Annual peak stages from June 1906 to December 1948 and gage-height records since May 1958 are available in district office.

GAGE.--Water-stage recorder. Datum of gage is 446.18 ft (135.996 m) National Geodetic Vertical Datum of 1929 (levels by Rowaters Carolina Corporation). June 1906 to Dec. 21, 1948, nonrecording gage at site 2.1 mi (3.4 km) downstream at different datum.

REMARKS.--Records good except those from Apr. 24 to Aug. 17, which are poor. Flow regulated by Lake Wylie, usable capacity, 2,520,500,000 ft<sup>3</sup> (71,380,600 m<sup>3</sup>) and by other powerplants above the station.

AVERAGE DISCHARGE.--13 years, 5,816 ft<sup>3</sup>/s (164.7 m<sup>3</sup>/s) 22.37 in/yr (568 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,600 ft<sup>3</sup>/s (2,080 m<sup>3</sup>/s) Oct. 9, 1976, gage height, 23.81 ft (7.257 m); minimum daily, 755 ft<sup>3</sup>/s (21.4 m<sup>3</sup>/s) Sept. 17, 1980.

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--Maximum stage known since June 1906, 40.4 ft (12.31 m) July 16, 1916 at site and datum then in use, from records furnished by the National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,400 ft<sup>3</sup>/s (408 m<sup>3</sup>/s) Feb. 19 (result of regulation), gage height, 8.08 ft (2.463 m); minimum daily, 759 ft<sup>3</sup>/s (21.5 m<sup>3</sup>/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4540	1020	2650	1200	2640	1020	4710	1000	4000	1100	2640	2910
2	3630	907	2210	1630	5900	2520	3310	900	2800	1170	4090	2120
3	2710	1320	4480	1440	5970	2700	2700	1000	9200	1430	5240	2920
4	1520	1360	5030	4950	3640	4990	1660	950	11000	2470	5580	2300
5	947	4550	5630	11500	3910	3970	981	1000	9000	3780	4730	1880
6	1600	3730	1570	7710	3330	5350	1880	1000	7600	2040	5200	2680
7	3700	3220	1060	5010	3110	4370	3020	2000	6000	4050	2530	4900
8	2280	1710	3110	4730	1020	1490	2190	2600	4600	6980	5680	8770
9	3960	908	3230	3480	2540	3390	1420	3600	3800	6110	3380	4220
10	4480	3180	3680	3830	4390	2740	3430	1900	6200	2580	3550	2600
11	2350	3540	5150	3430	8320	1960	1370	1300	8000	3580	6300	2340
12	897	3960	3400	6060	8150	2090	1130	1000	6000	6500	2530	1700
13	836	3390	1320	5150	4320	1980	1070	2400	4000	3640	5000	944
14	4130	3260	1210	4820	3150	1010	2500	1800	6500	2020	4500	2190
15	3930	1250	2170	1360	1880	1830	3410	1900	2200	3430	2000	5080
16	3320	1390	2250	4490	4290	1590	1270	1700	5000	5400	1200	1640
17	2360	4750	2310	3100	2980	4320	1620	1300	10000	1400	1620	1710
18	2460	6980	2850	3310	1250	1110	1110	1000	6500	883	1110	1230
19	911	5400	1890	2890	8590	4450	918	1900	2560	4140	1000	865
20	1470	5290	978	4720	10000	3870	960	1600	4240	1170	978	775
21	1110	4210	1800	5080	5900	2070	981	4800	6650	2980	1060	839
22	1200	2880	1740	3890	2180	1050	904	2600	4270	3100	956	1860
23	2020	1540	1310	1700	3540	2660	1530	1200	3260	6480	881	1920
24	5870	3770	1000	1940	3770	1940	2190	1100	1660	2970	878	1020
25	2100	4170	942	988	4880	1690	1090	1000	960	4590	2120	1880
26	965	3200	3270	890	3800	1300	960	1800	897	4070	1100	963
27	1910	1680	5730	1020	3220	1080	900	1300	799	3310	1500	776
28	3530	2310	3740	933	1010	1000	2400	1100	847	1340	1020	810
29	3350	3280	3320	1670	---	960	2200	1700	932	1000	978	798
30	5480	3370	1600	3090	---	981	1200	2600	953	1480	816	759
31	4300	---	1600	4690	---	2730	---	1900	---	1470	1260	---
TOTAL	83866	91525	82230	110701	117680	74211	55014	52950	140428	96663	81427	65399
MEAN	2705	3051	2653	3571	4203	2394	1834	1708	4681	3118	2627	2180
MAX	5870	6980	5730	11500	10000	5350	4710	4800	11000	6980	6300	8770
MIN	836	907	942	890	1010	960	900	900	799	883	816	759
CAL YR 1980	TOTAL	1886220	MEAN	5154	MAX	25000	MIN	755				
WTR YR 1981	TOTAL	1052094	MEAN	2882	MAX	11500	MIN	759				

## SANTEE RIVER BASIN

02147240 BEAR CREEK AT LANCASTER, S.C.

LOCATION.--Lat 34°43'09", long 80°47'50", Lancaster County, Hydrologic Unit 03050103, near right downstream end of bridge on Plantation Road, 0.3 mile (0.5 km) north of intersection of Plantation Road and State Highway 9, and 1.1 miles (1.8 km) west of City Hall in Lancaster.

DRAINAGE AREA.--66.6 mi<sup>2</sup> (172.5 km<sup>2</sup>).

PERIOD OF RECORD.--October 1978 to current year. Prior to October 1979 at same site at datum 1.00 ft (0.305 m) higher.

GAGE.--Water-stage recorder. Datum of gage is 419.03 ft (127.720 m) National Geodetic Vertical Datum of 1929 (revised).

REMARKS.--Records fair except those for period of no gage-height record Oct. 1-30, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,610 ft<sup>3</sup>/s (102 m<sup>3</sup>/s) Mar. 29, 1980, gage height, 16.80 ft (5.121 m); minimum daily 0.70 ft<sup>3</sup>/s (0.020 m<sup>3</sup>/s) Aug. 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,200 ft<sup>3</sup>/s (62.3 m<sup>3</sup>/s), Feb. 9, gage height, 15.49 ft (4.721 m); minimum daily, 0.70 ft<sup>3</sup>/s (0.020 m<sup>3</sup>/s), Aug. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	5.9	13	16	5.6	28	26	3.2	5.5	1.9	5.8	1.0
2	60	4.2	11	13	5.6	24	63	3.4	26	2.5	102	.90
3	30	3.6	9.6	9.3	8.4	22	39	3.0	15	37	91	.90
4	13	18	8.1	8.1	10	20	22	3.4	85	40	22	1.0
5	7.0	8.7	7.3	8.7	7.3	35	17	3.2	28	12	7.5	65
6	6.0	5.5	7.1	8.0	6.3	30	17	6.2	9.1	9.8	5.8	76
7	5.0	4.3	7.3	9.4	6.5	16	14	17	5.1	12	5.9	56
8	5.0	3.6	6.7	8.6	6.2	10	11	5.5	10	12	5.2	30
9	4.0	3.0	6.9	8.0	784	9.0	10	4.5	8.9	3.6	4.2	9.6
10	4.0	2.8	36	7.4	684	10	8.9	3.9	4.3	2.6	17	4.5
11	2.6	2.6	37	6.2	106	9.0	7.3	4.2	3.4	2.8	122	3.0
12	2.2	1.9	29	5.4	48	8.3	6.9	3.8	17	25	129	2.5
13	3.0	1.7	18	5.4	42	7.9	6.5	3.8	3.4	14	19	2.2
14	2.8	1.5	14	7.0	17	7.9	6.5	3.6	2.9	4.3	7.7	2.0
15	2.8	5.8	11	8.4	17	6.9	8.3	3.3	2.6	3.3	5.0	12
16	3.0	5.0	9.6	7.6	21	6.7	15	3.0	2.6	6.0	3.7	12
17	3.2	19	9.1	6.6	19	6.0	15	2.9	2.6	22	2.8	2.8
18	3.4	27	7.7	6.0	15	6.7	14	2.8	2.4	6.3	2.2	2.3
19	4.0	15	7.1	5.6	13	7.9	16	2.9	6.0	4.1	2.5	2.0
20	4.4	10	6.7	6.0	10	7.5	21	2.9	3.6	3.6	2.0	1.8
21	3.4	9.3	6.0	6.4	9.8	6.9	13	5.2	2.5	3.3	1.6	1.9
22	3.2	9.1	5.5	6.8	9.3	13	4.9	3.3	2.3	2.8	2.0	1.7
23	3.4	5.4	6.9	7.0	9.8	89	4.2	3.2	2.3	3.2	1.3	1.8
24	3.8	122	6.9	6.6	9.1	58	4.2	2.8	2.3	2.5	1.2	1.6
25	5.0	149	6.7	6.2	20	30	4.2	2.5	2.4	321	1.1	1.4
26	6.0	56	6.3	6.0	26	19	3.8	2.5	6.5	76	.90	1.4
27	4.2	65	6.2	5.8	22	15	3.6	20	2.4	18	.90	1.4
28	4.4	48	9.1	5.8	26	13	3.7	9.6	2.0	7.5	.80	1.4
29	5.0	28	9.6	5.8	---	10	3.6	5.0	2.0	4.3	.90	1.6
30	24	18	12	5.6	---	18	3.8	5.4	1.9	5.9	.70	1.5
31	8.9	---	15	5.6	---	24	---	15	---	8.7	.80	---
TOTAL	356.7	658.9	352.4	228.3	1963.9	574.7	393.4	161.0	270.0	678.0	574.50	303.20
MEAN	11.5	22.0	11.4	7.36	70.1	18.5	13.1	5.19	9.00	21.9	18.5	10.1
MAX	120	149	37	16	784	89	63	20	85	321	129	76
MIN	2.2	1.5	5.5	5.4	5.6	6.0	3.6	2.5	1.9	1.9	.70	.90
CAL YR 1980 TOTAL	22447.10			MEAN 61.3	MAX 1990	MIN .90						
WTR YR 1981 TOTAL	6515.00			MEAN 17.8	MAX 784	MIN .70						

## SANTÉE RIVER BASIN

67

02147500 ROCKY CREEK AT GREAT FALLS, S.C.

LOCATION.--Lat 34°33'45", long 80°55'00", Chester County, Hydrologic Unit 03050103, on left bank 350 ft (107 m) downstream from Turkey Branch, 1.0 mi (1.6 km) west of Great Falls, and at mile 1.8 (2.9 km).

DRAINAGE AREA.--194 mi<sup>2</sup> (502 km<sup>2</sup>).

PERIOD OF RECORD.--February 1951 to September 1981 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 299 ft (91 m) (by barometer).

REMARKS.--Records poor.

AVERAGE DISCHARGE.--30 years, 193 ft<sup>3</sup>/s (5.466 m<sup>3</sup>/s), 13.51 in/yr (343 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,300 ft<sup>3</sup>/s (886 m<sup>3</sup>/s) Aug. 23, 1967, gage height, 18.82 ft (5.736 m); minimum, 0.04 ft<sup>3</sup>/s (0.001 m<sup>3</sup>/s) Oct. 6-13, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,500 ft<sup>3</sup>/s (99.1 m<sup>3</sup>/s) and maximum (\*).

Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
Oct. 1	2230	4,120	117	6.77	2.063
Feb. 12	0330	*5,420	153	*7.57	2.307

Minimum discharge, 7.1 ft<sup>3</sup>/s (0.20 m<sup>3</sup>/s) Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3270	82	129	70	45	92	300	32	101	17	42	16
2	1690	68	109	87	62	89	160	30	85	20	372	16
3	419	72	94	177	76	82	120	29	73	35	279	15
4	240	250	82	220	58	79	100	28	328	77	89	16
5	180	120	74	94	51	119	100	27	101	34	51	57
6	120	84	70	50	56	111	94	29	61	30	56	254
7	98	72	67	66	53	89	86	42	46	24	87	215
8	86	68	65	62	62	79	82	38	84	24	53	538
9	78	64	63	53	59	74	78	31	81	17	77	245
10	70	60	96	52	58	73	76	29	44	16	42	116
11	64	58	164	39	3250	72	70	35	34	21	37	56
12	60	56	111	36	2710	69	66	30	43	45	133	35
13	58	54	89	49	547	69	62	26	35	21	74	26
14	56	58	79	61	415	66	58	24	29	18	42	20
15	54	110	70	58	301	66	66	23	24	20	31	17
16	54	100	70	52	231	64	56	21	22	20	26	22
17	56	350	70	49	194	60	54	20	20	30	26	15
18	58	220	65	39	168	65	52	20	20	18	25	19
19	64	150	59	50	210	73	50	20	20	19	26	13
20	64	130	56	52	528	65	100	20	21	20	31	11
21	58	120	52	56	282	61	80	25	33	47	24	10
22	56	110	49	59	192	96	64	22	22	20	21	9.3
23	56	100	57	53	164	89	52	19	17	19	19	8.6
24	62	540	58	51	145	82	47	17	16	24	19	8.0
25	80	830	58	49	123	57	41	16	17	54	18	7.4
26	76	368	53	47	111	57	39	15	16	50	19	7.4
27	74	368	56	49	101	66	38	73	15	25	17	7.7
28	78	465	73	49	94	54	36	251	14	19	16	10
29	84	248	69	46	---	52	35	63	14	16	16	9.4
30	200	164	70	46	---	52	34	38	15	22	19	8.8
31	110	---	79	46	---	51	---	43	---	32	17	---
TOTAL	7773	5539	2356	1967	10346	2273	2296	1136	1451	854	1804	1808.6
MEAN	251	185	76.0	63.5	370	73.3	76.5	36.6	48.4	27.5	58.2	60.3
MAX	3270	830	164	220	3250	119	300	251	328	77	372	538
MIN	54	54	49	36	45	51	34	15	14	16	16	7.4
CFSM	1.29	.95	.39	.33	1.91	.38	.39	.19	.25	.14	.30	.31
IN.	1.49	1.06	.45	.38	1.98	.44	.44	.22	.28	.16	.35	.35
CAL YR 1980	TOTAL	87179.8	MEAN	238	MAX	6400	MIN	8.6	CFSM	1.23	IN	16.72
WTR YR 1981	TOTAL	39603.6	MEAN	109	MAX	3270	MIN	7.4	CFSM	.56	IN	7.59

## 02148000 WATEREE RIVER NEAR CAMDEN, S.C.

LOCATION.--Lat 34°14'40", long 80°39'15", Kershaw County, Hydrologic Unit 03050104, in pier of bridge on U.S. Highway 1, 1,500 ft (457 m) downstream from Five and Twenty Creek, 4,000 ft (1,219 m) upstream from Seaboard Coast Line Railroad bridge, 2.2 mi (3.5 km) west of Camden, 7.4 mi (11.9 km) downstream from Wateree Dam, and at mile 68.8 (110.7 km).

DRAINAGE AREA.--5,070 mi<sup>2</sup> (13,100 km<sup>2</sup>), approximately.

PERIOD OF RECORD.--January to December 1903 (gage heights only), October 1904 to September 1910, October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site 1.5 mi (2.4 km) downstream 1891-1934, at site 830 ft (253 m) upstream January 1935 to September 1942, and at present site since October 1942, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 802: 1930. WSP 952: Drainage area. WSP 1082: 1934(M). WSP 1433: 1905-10. WSP 1623: 1930-51(monthly and yearly runoff).

GAGE.--Water-stage recorder with remote system to district office. Datum of gage is 119.36 ft (36.381 m) National Geodetic Vertical Datum of 1929. January 1903, to September 1910, nonrecording gage at site 1.5 mi (2.4 km) downstream at datum 1.65 ft (0.503 m) lower. Oct. 1, 1929 to Sept. 1, 1942, recording gage at site 830 ft (253 m) upstream at same datum.

REMARKS.--Records good. Flow regulated by powerplant at Wateree Reservoir (usable capacity, 2,794,000,000 ft<sup>3</sup> (79,126,000 m<sup>3</sup>) and by other powerplants above station.

AVERAGE DISCHARGE.--58 years (water years 1904-10, 1929-81), 6,396 ft<sup>3</sup>/s (181.1 m<sup>3</sup>/s), 17.13 in/yr (435 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 366,000 ft<sup>3</sup>/s (10,400 m<sup>3</sup>/s) Aug. 26, 1908 gage height, 39.7 ft (12.1 m), site and datum then in use, from records of National Weather Service, from rating curve extended above 122,000 ft<sup>3</sup>/s (3,460 m<sup>3</sup>/s) on basis of computation, by Duke Power Co., of peak flow 382,000 ft<sup>3</sup>/s (10,800 m<sup>3</sup>/s) over dam at Rocky Creek Reservoir; minimum daily, 143 ft<sup>3</sup>/s (4.05 m<sup>3</sup>/s) Sept. 28, 1980.

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--The flood of July 18, 1916 reached a stage of 40.4 ft (12.3 m), datum, 117.71 ft (35.878 m) above mean sea level, at site 1.5 mi (2.4 km) downstream, from records of National Weather Service, discharge, 400,000 ft<sup>3</sup>/s (11,300 m<sup>3</sup>/s) from rating curve extended above 122,000 ft<sup>3</sup>/s (3,460 m<sup>3</sup>/s) as explained above.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,500 ft<sup>3</sup>/s (467 m<sup>3</sup>/s) Feb. 13, gage height, 15.41 ft (4.697 m); minimum daily, 276 ft<sup>3</sup>/s (7.82 m<sup>3</sup>/s) Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14000	1060	3180	516	4420	1840	3920	303	1950	1770	3570	2740
2	15100	442	4020	2100	6380	2740	1340	303	7840	575	3060	2850
3	14100	1470	5110	2910	6000	4340	3220	330	12300	303	5580	1780
4	2320	3650	7980	6080	3840	7930	1960	1170	11700	3660	7690	996
5	550	6450	6050	13000	4260	7800	1030	524	6970	3730	8620	350
6	3800	4520	1460	10300	3710	6320	6380	1370	6230	5030	8500	2400
7	1880	3500	462	5690	2980	5150	4700	3070	4400	4670	8080	1590
8	1900	1210	5590	4220	508	904	2050	3010	4860	4010	4200	7470
9	5640	680	4740	4510	6400	3190	3410	960	4970	4440	4420	7270
10	5990	2880	6360	3360	7230	3240	1410	565	5670	5480	7620	3240
11	2430	4790	7480	2860	10700	2120	1550	347	5730	5080	6090	3260
12	485	4590	3290	5640	16300	4660	1570	520	5280	1940	7290	1500
13	489	3520	1100	5720	16500	3460	3060	363	4970	5290	5600	750
14	5370	2570	531	5080	12600	944	2730	756	1200	5340	4400	4700
15	3410	497	5670	3100	3660	1290	1460	1390	3670	4180	3850	4630
16	3880	481	3070	3520	6060	5030	1220	650	5470	6490	1480	2850
17	5840	6200	2810	5430	7260	4650	4190	303	7660	7330	1340	2210
18	1210	4930	2910	2270	8110	2530	1090	3220	5310	3240	5930	1070
19	417	7980	3650	4030	6720	5340	354	3160	4130	560	4950	969
20	1420	6980	3220	6330	12400	4550	401	4500	3780	3930	720	319
21	838	5500	1600	7600	9530	2490	1040	4190	1110	6100	660	570
22	768	4100	3050	4430	2910	831	2730	516	4230	3650	376	2450
23	4890	2200	3120	1790	6420	4590	3250	290	6140	2110	325	817
24	7310	4360	620	1810	7300	2320	2570	280	4270	1410	640	575
25	1330	6500	1270	555	7140	1550	470	1270	4840	3040	2760	944
26	434	5500	5350	489	4600	4350	339	1680	4020	5750	838	774
27	2210	6620	7840	817	3670	978	3930	866	3410	5640	512	276
28	4690	6420	5030	2360	2960	762	2920	1420	595	5720	590	936
29	3660	6490	2950	1380	---	2400	670	2470	434	6290	417	546
30	6490	2550	2260	4460	---	3550	327	655	485	3050	286	1860
31	3800	---	2340	7050	---	3250	---	2280	---	4550	1860	---
TOTAL	126651	118640	114113	129407	190568	105099	65291	42731	143624	124358	112254	62692
MEAN	4086	3955	3681	4174	6806	3390	2176	1378	4787	4012	3621	2090
MAX	15100	7980	7980	13000	16500	7930	6380	4500	12300	7330	8620	7470
MIN	417	442	462	489	508	762	327	280	434	303	286	276
CAL YR 1980 TOTAL	2618401			MEAN 7155	MAX 38100	MIN 143						
WTR YR 1981 TOTAL	1335428			MEAN 3659	MAX 16500	MIN 276						

## Santee River Basin

69

02148315 WATEREE RIVER BELOW EASTOVER, S.C.

LOCATION.--Lat 33°49'42", long 80°37'14", Richland County, Hydrologic Unit 03050104, on right bank, 1.3 mi (2.1 km) upstream from Southern Railway bridge, 1.8 mi (2.9 km) northeast of Wateree, 4.5 mi (7.2 km) southeast of Eastover, and at mile 10.8 (17.4 km).

DRAINAGE AREA.--5,590 mi<sup>2</sup> (14,480 km<sup>2</sup>), approximately.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1968 to current year, discharge below 10,000 ft<sup>3</sup>/s (283 m<sup>3</sup>/s) only.

GAGE.--Water-stage recorder. Datum of gage is 77.43 ft (23.601 m) National Geodetic Vertical Datum of 1929 (South Carolina Electric and Gas Company benchmark).

REMARKS.--Records good. Flow regulated by powerplant at Wateree Reservoir, usable capacity, 2,794,000,000 ft<sup>3</sup> (79,126,000 m<sup>3</sup>), and by other powerplants above station. Discharge represents only that portion of the flow confined to the main channel. At times of high flow, bankfull capacity is exceeded in the intervening channel reach.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined; minimum daily, 702 ft<sup>3</sup>/s (19.9 m<sup>3</sup>/s) Sept. 3, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined; minimum daily, 704 ft<sup>3</sup>/s (19.9 m<sup>3</sup>/s) May 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7720	5150	4850	3090	5620	1700	1300	1600	1660	850	3860	940
2	9160	2980	3440	2440	5230	2000	1600	1300	2240	1300	4530	2570
3	9550	1860	3830	1790	5190	3800	2200	1200	5560	1400	3720	2900
4	9560	1390	4530	2600	6000	7000	1300	1100	8640	800	4690	2910
5	7940	2380	6470	5200	4570	8000	1000	1200	8780	3600	6640	2020
6	4590	4920	6460	8630	4410	7000	5000	1300	7550	4800	7310	1610
7	3630	5290	3780	8700	3760	5500	5500	2200	6530	4600	7090	1460
8	3950	3930	2190	6860	3890	1200	4790	2800	5150	4000	6700	2240
9	2940	3230	3030	5110	2380	3200	3470	1000	4740	4400	5110	4760
10	3990	1960	5040	4510	3780	3400	2970	1300	4920	5500	4570	6540
11	5660	1740	5290	4270	6520	2200	3350	1500	5370	4200	6260	4580
12	4370	3500	6730	3200	8300	2940	2050	1000	5420	2400	6120	3620
13	2590	4500	5320	4720	9540	3890	2150	1500	5280	5000	6590	3140
14	1470	4220	2910	5340	9730	4290	2590	1700	4970	5000	6100	1920
15	2560	3450	1980	5210	9730	2500	3410	1300	3580	4200	5000	2800
16	4470	2440	3120	3850	8370	2000	2620	800	2790	6500	4380	4590
17	3570	1440	4490	3770	7110	3390	2090	800	4820	7000	4200	3690
18	4780	2990	2970	4380	7440	5040	2820	1200	3560	3000	2750	3080
19	3960	5350	3490	3840	7660	3470	3270	1340	5500	1200	4660	2360
20	1940	6290	3330	3240	7230	4570	1630	3440	4600	4000	6020	1750
21	1340	6780	3430	5110	9900	4950	1090	3490	4000	5000	3650	1450
22	1620	5540	3000	6490	7000	3840	1050	3090	2000	5500	2190	944
23	1450	4310	2770	5700	6000	2480	2260	2580	3000	4410	1710	1340
24	2380	3850	3210	3490	7500	3490	3040	1280	5000	3090	1310	2460
25	5720	3660	2680	2550	7000	4100	3230	788	4800	2300	1070	1440
26	4310	5230	1660	2080	5000	2910	2310	704	4600	2610	1730	1230
27	2020	6180	3300	1430	3400	3590	1290	1890	4000	4550	2450	1330
28	1440	6390	6350	1190	2200	3210	2180	1620	3400	5250	1530	1130
29	3170	6240	6230	1830	---	2180	3680	1440	1100	5290	1170	828
30	4050	6220	4000	2260	---	2050	2400	2040	800	5650	1150	1350
31	5140	---	3260	2910	---	2800	---	2090	---	4550	948	---
TOTAL	131040	123410	123140	125790	174460	112690	77640	50592	134360	121950	125208	72982
MEAN	4227	4114	3972	4058	6231	3635	2588	1632	4479	3934	4039	2433
MAX	9560	6780	6730	8700	9900	8000	5500	3490	8780	7000	7310	6540
MIN	1340	1390	1660	1190	2200	1200	1000	704	800	800	948	828

CAL YR 1980 TOTAL 2033529 MEAN 5556 MAX 9770 MIN 782  
WTR YR 1981 TOTAL 1373262 MEAN 3762 MAX 9900 MIN 704



## Santee River Basin

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1971 to current year.

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1970 to current year.

pH: October 1970 to current year.

WATER TEMPERATURE: October 1970 to current year.

DISSOLVED OXYGEN: October 1970 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1970.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 222 micromhos June 27, 1980; minimum, 46 micromhos Apr. 9, 1973.

pH: Maximum, 8.5 units Aug. 26, 1980; minimum, 5.9 units Nov. 11, 12, 1974, April 21, 22, 1975.

WATER TEMPERATURE: Maximum, 32.5°C July 14, 1980; minimum, 2.5°C Jan. 20, 24, 1977.

DISSOLVED OXYGEN: Maximum, 13.1 mg/l Jan. 22, 1977; minimum, 2.6 mg/l Oct. 2, 1980.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 222 micromhos June 27; minimum, 89 micromhos Mar. 26.

pH: Maximum, 8.5 units Aug. 26; minimum, 6.3 units Mar. 30.

WATER TEMPERATURE: Maximum, 32.5°C July 14; minimum, 3.5°C Jan. 13.

DISSOLVED OXYGEN: Maximum, 11.7 mg/l Jan. 13; minimum, 2.6 mg/l Oct. 2.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	118	107	113	135	131	133	156	151	153	136	124	131
2	121	118	119	131	125	127	151	144	147	136	126	131
3	126	117	121	125	122	123	155	143	150	128	121	124
4	128	122	126	122	108	116	160	152	157	143	120	129
5	122	109	114	127	110	117	164	160	162	152	140	148
6	108	103	105	136	128	132	165	159	161	156	153	155
7	104	98	102	136	133	135	159	156	157	154	152	153
8	127	106	123	134	130	132	156	148	151	151	148	150
9	127	125	126	133	132	133	154	136	144	149	146	148
10	141	125	132	132	127	129	162	158	161	150	146	148
11	142	140	141	127	123	125	162	157	159	153	150	151
12	140	137	138	138	128	133	164	156	161	153	145	149
13	138	131	136	138	136	137	159	152	155	154	145	151
14	131	124	127	137	134	136	153	138	147	155	152	153
15	132	119	125	134	129	132	138	136	137	155	153	154
16	135	133	134	129	128	128	151	121	133	154	151	152
17	135	129	132	127	117	123	157	153	156	155	151	153
18	137	131	134	140	112	118	153	145	148	159	154	156
19	135	132	134	143	137	140	157	145	151	158	152	156
20	132	126	129	145	134	139	158	150	154	152	148	150
21	126	122	124	146	143	144	154	144	151	156	149	154
22	131	121	127	145	143	144	152	146	149	157	155	156
23	122	114	121	145	141	143	148	141	144	156	147	152
24	134	118	123	146	142	144	146	140	143	146	140	143
25	139	134	136	143	136	140	144	139	142	141	124	134
26	136	131	133	151	143	150	140	125	132	135	127	130
27	131	125	128	150	147	149	146	117	129	130	125	128
28	125	120	122	151	150	151	154	148	151	125	119	121
29	132	115	124	153	150	152	153	145	144	124	109	115
30	134	131	133	154	149	152	145	138	141	144	125	138
31	134	128	132	---	---	---	141	130	135	152	136	143

## SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	156	146	153	113	109	111	122	115	120	---	---	---
2	153	148	150	116	107	111	125	112	120	---	---	---
3	152	143	148	115	106	111	126	123	124	---	---	---
4	152	145	149	112	106	110	---	---	---	---	---	---
5	145	137	141	116	108	113	---	---	---	---	---	---
6	143	138	141	114	112	113	---	---	---	---	---	---
7	143	141	142	113	110	112	---	---	---	---	---	---
8	144	138	142	113	109	111	138	136	137	---	---	---
9	142	135	139	113	108	109	144	136	140	---	---	---
10	150	130	136	108	102	105	150	134	141	---	---	---
11	150	140	145	109	103	108	147	138	141	146	145	145
12	144	125	138	111	107	109	139	134	137	147	145	145
13	144	139	142	113	105	109	141	128	136	147	137	144
14	144	143	144	114	112	113	142	129	135	139	130	133
15	144	135	141	115	113	114	141	135	139	141	133	138
16	135	120	127	---	---	---	---	---	---	179	128	149
17	133	118	123	---	---	---	---	---	---	170	161	163
18	137	134	136	---	---	---	---	---	---	170	155	162
19	136	131	134	---	---	---	---	---	---	170	149	154
20	131	129	131	---	---	---	---	---	---	171	164	165
21	134	132	133	---	---	---	---	---	---	174	164	167
22	131	120	125	---	---	---	---	---	---	170	167	168
23	120	117	118	---	---	---	---	---	---	169	163	165
24	121	114	116	117	106	110	147	137	141	165	159	162
25	121	118	119	111	104	108	147	143	146	159	153	156
26	119	116	118	105	89	98	150	140	144	156	151	152
27	118	115	116	113	90	100	141	140	140	171	157	165
28	116	111	114	118	109	115	---	---	---	164	163	164
29	---	---	---	113	106	108	---	---	---	168	158	162
30	---	---	---	117	97	104	---	---	---	170	157	162
31	---	---	---	131	110	120	---	---	---	168	160	164
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE												
JULY												
AUGUST												
SEPTEMBER												
1	160	156	158	199	195	196	200	159	187	146	138	141
2	168	160	164	198	191	194	194	161	189	170	150	159
3	173	161	168	215	192	206	188	177	184	162	157	160
4	178	172	175	205	189	197	184	119	160	165	158	160
5	182	179	181	211	173	184	197	182	190	159	158	159
6	182	171	176	200	159	186	197	194	195	161	154	156
7	181	178	179	202	177	193	195	193	194	162	150	155
8	183	179	182	201	188	199	194	190	192	159	155	157
9	187	179	183	207	192	203	190	181	188	164	155	160
10	195	185	187	212	200	207	180	145	170	164	160	162
11	194	190	191	215	210	212	184	169	181	161	158	159
12	201	192	194	214	210	211	183	177	181	166	159	161
13	203	196	198	214	205	210	181	177	179	166	159	162
14	209	203	205	215	206	210	181	171	177	161	158	159
15	209	204	205	215	209	212	171	169	170	169	158	162
16	215	200	203	211	208	209	170	164	167	166	162	163
17	218	209	212	219	210	214	160	146	153	166	159	162
18	220	213	215	216	211	213	151	113	132	166	157	161
19	217	209	214	211	205	208	160	120	139	166	157	162
20	214	209	211	206	203	204	161	153	158	161	157	158
21	217	212	213	221	197	205	152	145	148	173	155	162
22	219	209	214	213	209	210	144	130	137	162	154	158
23	220	204	209	211	207	208	130	120	125	176	151	158
24	221	211	214	213	205	209	122	116	118	168	161	163
25	215	209	212	212	200	206	128	122	124	165	159	160
26	219	213	215	212	201	204	146	129	136	167	157	161
27	222	213	215	210	202	206	164	146	160	176	162	170
28	221	210	214	206	200	203	161	153	157	167	162	164
29	217	209	212	207	203	204	153	148	151	163	157	159
30	209	199	204	208	204	206	150	146	148	181	155	166
31	---	---	---	206	200	204	148	145	147	---	---	---
YEAR	222	89	153									

## SANTEE RIVER BASIN

02148315 WATEREE RIVER BELOW FASTOVER, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.7	6.7		7.0	6.9		7.0	7.0		6.9	6.9	
2	6.7	6.7		6.9	6.9		7.0	6.9		6.9	6.8	
3	6.7	6.7		6.9	6.7		7.0	6.9		6.8	6.7	
4	6.8	6.6		6.7	6.6		7.0	7.0		6.9	6.7	
5	6.6	6.4		6.8	6.7		7.1	7.0		7.1	6.9	
6	6.4	6.4		6.9	6.8		7.0	7.0		7.1	7.1	
7	6.5	6.4		7.0	6.9		7.0	6.9		7.1	7.0	
8	6.8	6.5		7.0	6.9		6.9	6.8		7.0	7.0	
9	6.7	6.7		6.9	6.9		6.9	6.7		7.0	7.0	
10	6.8	6.7		6.9	6.8		7.0	7.0		7.1	7.0	
11	6.9	6.8		6.8	6.7		7.0	7.0		7.1	7.0	
12	6.9	6.9		7.0	6.8		7.0	7.0		7.0	7.0	
13	6.9	6.7		7.1	6.9		7.0	7.0		7.1	7.0	
14	6.7	6.7		7.0	7.0		7.0	6.8		7.1	7.1	
15	6.8	6.7		7.0	6.9		6.8	6.7		7.1	7.1	
16	6.9	6.9		6.9	6.8		7.0	6.6		7.1	7.0	
17	6.9	6.8		6.8	6.7		7.0	7.0		7.1	7.0	
18	6.9	6.8		6.9	6.6		7.0	6.9		7.1	7.1	
19	6.9	6.8		6.9	6.9		7.0	6.9		7.1	7.0	
20	6.8	6.7		7.0	6.9		7.0	6.9		7.0	6.9	
21	6.7	6.7		7.0	6.9		7.0	6.9		7.1	7.0	
22	6.7	6.7		7.0	6.9		7.0	6.9		7.1	7.1	
23	6.7	6.7		7.0	6.9		6.9	6.9		7.1	7.1	
24	6.8	6.7		7.0	6.9		7.0	6.9		7.0	6.9	
25	6.9	6.8		6.9	6.9		6.9	6.8		6.9	6.8	
26	6.9	6.9		7.0	6.9		6.8	6.7		6.8	6.7	
27	6.9	6.8		7.0	6.9		7.0	6.7		6.7	6.6	
28	6.8	6.7		7.0	7.0		7.0	7.0		6.6	6.6	
29	6.9	6.7		7.0	7.0		7.0	7.0		6.8	6.6	
30	7.0	6.9		7.0	7.0		7.0	7.0		6.9	6.8	
31	7.0	6.9		---	---		6.9	6.9		7.0	6.8	
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	7.1	7.0		6.7	6.6		6.6	6.5		---	---	
2	7.1	7.1		6.6	6.6		6.6	6.6		---	---	
3	7.1	7.0		6.6	6.6		6.6	6.6		---	---	
4	7.1	7.1		6.7	6.6		---	---		---	---	
5	7.1	7.1		6.8	6.7		---	---		---	---	
6	7.1	7.1		6.8	6.8		---	---		---	---	
7	7.0	7.0		6.8	6.7		---	---		---	---	
8	7.0	7.0		6.8	6.7		6.7	6.7		---	---	
9	7.0	6.8		6.7	6.6		6.7	6.7		---	---	
10	7.1	6.7		6.6	6.5		---	---		---	---	
11	7.1	7.0		6.7	6.6		---	---		6.7	6.6	
12	7.0	6.9		6.7	6.6		---	---		6.6	6.6	
13	7.0	7.0		6.7	6.6		---	---		6.6	6.5	
14	7.0	7.0		6.8	6.7		6.6	6.4		6.6	6.5	
15	7.0	6.8		6.7	6.6		6.7	6.6		6.6	6.6	
16	6.8	6.6		---	---		---	---		6.7	6.6	
17	6.9	6.7		---	---		---	---		6.8	6.7	
18	6.9	6.9		---	---		---	---		6.7	6.6	
19	6.9	6.9		---	---		---	---		6.6	6.5	
20	7.0	6.9		---	---		---	---		6.8	6.6	
21	7.0	7.0		---	---		---	---		6.8	6.8	
22	7.0	6.8		---	---		---	---		6.9	6.8	
23	6.8	6.7		---	---		---	---		6.9	6.8	
24	6.9	6.7		6.6	6.4		6.7	6.7		6.8	6.7	
25	6.9	6.9		6.7	6.6		6.7	6.7		6.7	6.6	
26	6.9	6.8		6.6	6.4		6.7	6.6		6.6	6.6	
27	6.8	6.8		6.5	6.4		6.6	6.6		6.8	6.6	
28	6.8	6.7		6.6	6.5		---	---		6.8	6.8	
29	---	---		6.5	6.4		---	---		6.8	6.7	
30	---	---		6.4	6.3		---	---		6.8	6.7	
31	---	---		6.5	6.4		---	---		6.8	6.7	

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.8	6.7		6.8	6.7		7.0	6.8		7.0	6.7	
2	6.8	6.7		6.8	6.7		6.9	6.8		7.0	6.8	
3	6.8	6.7		6.8	6.8		6.9	6.8		6.9	6.8	
4	6.7	6.7		6.8	6.7		6.8	6.6		6.9	6.8	
5	6.7	6.7		6.7	6.6		6.9	6.8		6.9	6.8	
6	6.7	6.6		6.8	6.6		6.9	6.8		6.9	6.8	
7	6.8	6.7		6.8	6.7		6.9	6.8		6.9	6.7	
8	6.8	6.7		6.9	6.7		6.9	6.8		6.9	6.9	
9	6.8	6.7		7.1	6.7		6.9	6.8		6.9	6.8	
10	6.9	6.8		7.1	6.9		6.9	6.7		6.8	6.8	
11	7.0	6.8		7.0	6.9		6.9	6.8		7.0	6.8	
12	6.9	6.8		7.0	6.9		6.9	6.8		6.9	6.8	
13	6.9	6.8		7.0	6.9		6.8	6.8		6.9	6.8	
14	6.9	6.8		7.0	6.9		6.8	6.8		6.9	6.8	
15	6.9	6.8		7.0	6.9		6.8	6.7		6.9	6.8	
16	6.8	6.8		7.1	6.9		6.8	6.7		6.9	6.8	
17	6.8	6.8		7.0	6.9		6.8	6.7		6.9	6.8	
18	6.8	6.7		6.9	6.9		6.7	6.4		6.9	6.9	
19	6.8	6.8		7.0	6.9		6.7	6.5		6.9	6.9	
20	6.8	6.8		7.1	6.9		6.7	6.7		6.9	6.8	
21	6.8	6.7		6.9	6.8		6.7	6.6		6.8	6.8	
22	6.8	6.7		7.0	6.9		6.6	6.5		6.8	6.7	
23	6.8	6.7		7.0	6.9		6.5	6.5		6.9	6.7	
24	6.9	6.7		7.0	6.9		7.2	6.5		7.0	6.9	
25	6.9	6.8		7.0	6.9		6.7	6.6		7.0	6.9	
26	6.8	6.8		7.0	6.9		8.5	6.7		6.9	6.8	
27	6.9	6.8		7.0	6.9		7.3	6.9		6.9	6.9	
28	6.9	6.8		7.1	6.9		7.1	6.8		6.9	6.8	
29	6.9	6.8		7.1	6.9		7.1	6.7		6.8	6.8	
30	6.8	6.7		6.9	6.9		6.9	6.7		6.9	6.8	
31	---	---		7.0	6.9		6.9	6.7		---	---	
YEAR	8.5	6.3										

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	28.0	23.0	24.0	17.5	16.5	17.0	12.0	11.0	11.5	8.5	7.5	8.0
2	29.0	25.0	26.5	17.0	16.0	16.5	12.0	11.0	11.5	8.5	7.5	8.0
3	25.0	24.0	24.5	17.0	16.0	16.5	12.0	10.5	11.5	8.5	7.0	7.5
4	24.0	22.0	23.0	17.0	16.0	16.5	11.5	10.0	10.5	8.0	6.5	7.5
5	22.0	21.0	21.5	16.5	15.5	16.0	11.0	10.0	10.5	7.0	6.0	6.0
6	21.0	20.0	20.5	17.0	15.5	16.0	11.5	10.5	11.0	7.0	6.0	6.5
7	20.5	19.0	19.5	16.5	15.5	16.0	11.5	10.0	11.0	7.0	6.5	6.5
8	22.0	19.0	20.5	17.0	15.0	16.0	12.5	10.5	11.5	7.0	6.5	6.5
9	21.5	20.5	21.0	17.5	15.5	16.5	13.0	11.5	12.0	6.5	5.5	6.0
10	23.0	21.0	22.0	18.0	16.5	17.0	12.5	12.0	12.0	6.5	5.0	5.5
11	23.5	22.0	22.5	16.5	15.5	16.0	12.5	11.5	12.0	6.0	4.5	5.5
12	22.5	21.5	22.0	15.5	14.5	15.0	11.5	10.5	11.0	5.0	4.0	4.5
13	21.5	20.0	20.5	15.5	14.0	14.5	11.5	10.5	11.0	5.0	3.5	4.5
14	20.5	19.0	19.5	15.5	14.0	15.0	11.0	10.0	10.5	5.5	4.0	5.0
15	20.0	18.5	19.0	16.0	15.0	15.5	11.0	9.5	10.5	7.0	5.0	6.0
16	21.5	19.5	20.5	16.0	15.0	15.5	10.5	9.5	10.0	7.0	5.5	6.5
17	21.5	20.0	21.0	15.0	14.0	14.5	11.0	10.0	10.5	6.5	5.5	6.0
18	22.0	21.0	21.5	14.0	13.5	13.5	10.5	9.5	10.0	6.0	4.5	5.0
19	22.5	21.5	22.0	14.5	13.0	14.0	10.5	9.5	10.0	6.0	4.5	5.5
20	22.0	20.5	21.5	13.5	12.5	13.0	10.5	9.5	10.0	6.0	5.0	5.5
21	20.5	19.5	20.0	14.0	13.0	13.5	9.5	8.0	9.0	6.0	5.5	5.5
22	20.0	19.5	19.5	14.0	12.5	13.0	8.0	7.5	7.5	6.0	5.5	5.5
23	19.0	18.0	18.5	13.5	12.5	13.0	7.5	7.0	7.5	6.5	5.0	6.0
24	18.0	17.0	17.0	14.5	13.0	14.0	9.0	7.0	8.0	7.0	5.5	6.0
25	19.0	17.5	18.0	14.0	13.5	14.0	9.0	7.5	8.0	7.5	6.0	6.5
26	18.5	17.0	18.0	13.5	13.0	13.5	7.5	6.5	7.0	8.0	6.5	7.5
27	17.5	16.5	17.0	13.0	12.5	12.5	6.5	5.5	5.5	9.5	7.5	8.5
28	17.0	16.5	17.0	12.5	11.5	12.5	8.0	6.5	7.0	11.0	9.5	10.0
29	18.0	16.5	17.0	12.0	11.0	11.5	8.0	8.0	8.0	11.0	9.5	10.0
30	18.0	17.0	17.5	12.0	11.0	11.5	8.5	7.5	8.0	10.0	7.0	8.5
31	17.0	16.5	17.0	---	---	---	8.5	8.0	8.5	7.0	6.0	6.5

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	7.0	5.5	6.0	13.0	11.5	12.0	16.5	15.0	16.0	---	---	---
2	8.0	7.0	7.5	13.5	12.5	13.0	17.5	14.5	16.0	---	---	---
3	7.5	6.0	7.0	14.0	12.5	13.0	16.5	14.5	15.5	---	---	---
4	6.5	5.5	6.0	13.0	12.5	12.5	---	---	---	---	---	---
5	6.5	5.0	5.5	13.0	12.0	12.5	---	---	---	---	---	---
6	6.5	5.0	6.0	12.5	11.5	12.0	---	---	---	---	---	---
7	6.5	5.5	6.0	13.0	11.5	12.5	---	---	---	---	---	---
8	7.0	6.0	6.5	13.0	11.5	12.0	18.0	17.5	17.5	---	---	---
9	7.5	6.0	6.5	13.0	11.0	12.5	17.5	17.0	17.5	---	---	---
10	8.5	7.0	7.5	13.5	11.5	12.5	---	---	---	---	---	---
11	8.5	7.5	8.0	13.5	11.5	12.5	---	---	---	22.5	21.5	22.0
12	8.0	6.5	7.0	13.5	11.5	12.5	---	---	---	23.0	20.5	22.0
13	7.0	6.0	6.5	13.5	12.5	13.0	---	---	---	24.0	21.5	22.5
14	7.0	6.0	6.5	14.0	12.0	13.0	22.5	21.5	22.0	25.0	22.0	23.5
15	7.5	6.5	7.0	14.0	12.0	12.5	21.5	19.0	20.5	25.5	23.5	24.5
16	9.0	7.5	8.0	---	---	---	---	---	---	24.5	23.0	24.0
17	10.5	8.5	9.5	---	---	---	---	---	---	24.0	22.5	23.5
18	9.0	9.0	9.0	---	---	---	---	---	---	25.0	22.5	24.0
19	9.0	9.0	9.0	---	---	---	---	---	---	26.0	24.0	25.0
20	9.5	9.0	9.0	---	---	---	---	---	---	24.5	21.5	22.5
21	9.5	8.0	9.0	---	---	---	---	---	---	22.0	20.5	21.0
22	10.5	9.0	10.0	---	---	---	---	---	---	23.0	20.5	21.5
23	11.5	10.0	11.0	---	---	---	---	---	---	24.5	21.5	23.0
24	12.0	10.0	11.0	11.5	11.0	11.0	21.0	20.5	21.0	26.0	23.0	24.5
25	11.0	9.5	10.0	13.5	10.5	12.5	21.0	19.5	20.5	27.0	24.0	25.5
26	11.5	10.0	10.5	14.0	12.0	13.5	21.5	19.5	20.5	26.0	25.0	25.5
27	12.0	10.0	11.0	15.5	13.5	14.5	21.0	20.5	20.5	26.5	24.5	25.5
28	12.5	10.5	11.5	15.5	13.5	14.5	---	---	---	25.5	23.5	24.5
29	---	---	---	16.5	14.5	15.5	---	---	---	26.5	24.0	25.5
30	---	---	---	17.5	16.0	16.5	---	---	---	27.0	24.5	26.0
31	---	---	---	17.5	16.5	17.0	---	---	---	27.0	25.5	26.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	27.0	25.5	26.0	28.0	26.5	27.5	27.0	26.0	26.5	29.0	27.0	28.0
2	27.0	25.5	26.0	27.0	26.0	26.5	28.5	26.0	27.5	29.0	28.0	28.5
3	25.5	24.0	25.0	27.0	25.5	26.5	29.5	27.5	28.5	29.5	27.5	28.5
4	24.5	23.5	24.0	28.5	26.5	27.5	29.5	27.0	28.5	29.0	28.0	28.5
5	25.5	24.5	25.0	28.5	27.0	27.5	30.5	29.0	29.5	28.5	27.5	28.0
6	26.5	25.5	26.0	29.5	27.0	28.5	30.5	29.5	29.5	28.5	27.0	27.5
7	26.5	26.0	26.0	29.5	28.5	29.0	30.0	29.0	29.5	28.0	27.0	27.5
8	26.5	26.0	26.0	30.0	28.5	29.5	30.0	29.0	29.5	28.0	26.5	27.5
9	27.5	26.0	26.5	30.5	29.0	30.0	30.0	29.0	29.5	28.0	27.0	27.5
10	28.5	26.5	27.5	31.0	30.0	30.5	29.0	28.0	28.5	27.5	26.5	27.0
11	28.5	27.0	28.0	31.0	29.5	30.5	29.5	28.0	29.0	28.0	26.5	27.0
12	28.5	27.5	28.0	30.5	29.5	30.0	29.5	28.5	29.0	28.0	26.5	27.5
13	28.5	27.5	28.0	31.5	29.5	30.5	29.5	28.5	28.5	28.5	27.0	27.5
14	29.5	28.0	28.5	32.5	30.0	31.0	29.5	28.5	29.0	28.5	27.0	28.0
15	30.0	28.0	29.0	31.0	30.0	30.5	29.5	28.5	29.0	29.0	27.5	28.0
16	31.5	29.0	30.5	31.5	30.0	30.5	30.0	28.5	29.0	28.0	27.5	27.5
17	31.0	29.0	30.0	31.0	29.5	30.0	28.5	27.0	28.0	27.5	26.5	27.0
18	30.0	28.5	29.0	30.0	29.0	29.5	27.0	26.5	26.0	26.5	25.5	26.0
19	30.0	28.5	29.0	31.0	29.5	30.5	25.5	24.5	24.5	25.5	24.5	25.0
20	30.0	28.5	29.0	32.0	30.0	31.0	26.0	25.5	26.0	24.5	23.5	24.0
21	30.5	28.5	29.5	32.0	31.0	31.5	26.0	25.0	25.5	24.5	22.5	23.5
22	31.5	29.5	30.5	31.0	29.5	30.5	26.0	24.5	25.5	25.0	23.0	24.0
23	32.0	30.0	31.0	31.0	30.0	30.5	25.5	24.5	25.0	25.0	23.5	24.0
24	31.0	29.5	30.5	31.5	29.5	30.5	27.0	24.5	25.5	25.0	23.5	24.0
25	31.0	29.5	30.0	30.5	29.0	29.5	27.5	25.5	26.5	24.5	22.5	23.5
26	30.5	29.5	30.0	31.0	29.0	30.0	28.0	26.5	27.0	24.0	22.0	23.0
27	30.0	29.0	29.5	31.0	29.0	30.0	28.5	27.0	27.5	24.0	22.0	23.0
28	29.5	28.0	28.5	31.0	30.0	30.5	28.0	26.5	27.5	25.0	23.0	24.0
29	29.5	27.5	28.5	31.5	30.0	31.0	28.0	27.0	27.5	25.0	23.0	24.0
30	28.5	27.0	28.0	30.5	28.5	29.5	28.0	26.5	27.5	24.5	23.0	24.0
31	---	---	---	24.5	27.0	28.0	29.0	26.5	28.0	---	---	---
YEAR	32.5	3.5	19.0									



02148315 WATERFREE RIVER BELOW EASTOVER, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	5.6	2.8	5.0	7.6	7.5	7.6	9.3	9.2	9.2	10.3	10.0	10.2
2	4.4	2.6	3.6	7.7	7.4	7.5	9.3	9.1	9.2	10.2	10.1	10.1
3	4.5	3.7	4.0	8.4	7.6	7.9	9.6	9.2	9.4	10.1	10.0	10.1
4	4.8	4.2	4.5	8.3	7.6	7.9	9.8	9.3	9.6	10.7	10.1	10.4
5	4.6	4.4	4.5	8.0	7.6	7.9	9.9	9.5	9.7	11.0	10.5	10.7
6	5.8	4.6	5.1	7.9	7.4	7.7	9.7	9.5	9.6	10.8	10.0	10.4
7	6.4	5.6	6.0	7.9	7.6	7.8	9.7	9.4	9.6	10.8	10.1	10.2
8	8.9	5.8	6.7	8.1	7.7	7.9	9.4	8.8	9.2	10.4	9.6	10.0
9	9.6	6.3	8.5	8.3	7.7	7.9	9.3	8.6	9.0	10.6	9.7	10.1
10	10.0	5.9	7.4	8.7	7.7	8.1	9.3	8.8	9.0	11.0	10.5	10.7
11	6.4	5.6	5.9	8.6	7.6	7.9	9.2	8.7	9.0	11.1	10.7	10.9
12	8.4	6.0	7.1	8.4	7.7	8.1	9.4	8.8	9.1	11.1	10.7	10.8
13	9.1	5.9	6.4	8.9	8.2	8.6	9.7	9.5	9.6	11.7	10.8	11.3
14	6.5	6.0	6.3	8.7	8.3	8.5	9.6	9.4	9.5	11.5	11.1	11.3
15	6.8	6.0	6.5	8.3	7.9	8.1	9.6	9.1	9.4	11.3	10.7	11.0
16	6.6	6.4	6.5	8.3	7.7	8.0	10.2	8.9	9.4	10.9	10.5	10.7
17	6.4	6.2	6.3	7.7	7.6	7.6	9.6	9.3	9.4	11.0	10.6	10.8
18	6.4	5.3	6.0	9.5	7.6	8.4	9.8	9.4	9.6	11.3	10.8	11.0
19	6.0	5.4	5.6	8.6	8.2	8.3	10.1	9.7	9.8	11.3	10.4	10.9
20	8.8	5.7	7.3	8.8	8.5	8.6	9.7	9.4	9.5	10.4	10.0	10.2
21	9.7	6.5	8.3	8.7	8.5	8.6	9.9	9.4	9.8	10.8	10.4	10.6
22	6.8	6.4	6.6	8.8	8.7	8.7	10.4	9.9	10.2	10.8	10.4	10.6
23	7.3	6.7	7.1	8.9	8.6	8.8	10.7	10.2	10.5	10.9	10.5	10.7
24	7.8	7.2	7.5	8.9	8.5	8.7	10.6	9.8	10.2	10.8	10.3	10.6
25	7.3	6.8	7.0	8.8	8.5	8.7	10.2	9.8	9.9	10.5	10.1	10.3
26	7.3	7.1	7.2	8.7	8.4	8.6	10.2	9.8	9.9	10.4	10.2	10.3
27	8.3	7.3	7.7	8.9	8.5	8.7	11.2	10.2	10.7	10.3	9.3	9.8
28	7.7	7.2	7.4	8.9	8.6	8.8	10.4	9.7	9.9	9.3	8.7	9.0
29	7.8	7.4	7.6	8.9	8.8	8.8	9.9	9.6	9.6	9.8	8.7	9.3
30	7.6	7.4	7.5	9.3	8.9	9.1	10.2	9.8	10.0	10.5	9.8	10.3
31	7.8	7.5	7.6	---	---	---	10.2	10.0	10.1	10.8	10.4	10.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.2	10.9	11.0	8.5	7.9	8.2	9.3	8.6	9.0	---	---	---
2	11.0	10.5	10.7	7.9	7.6	7.8	9.3	8.8	9.0	---	---	---
3	10.6	10.3	10.5	7.7	7.4	7.6	9.7	8.7	9.7	---	---	---
4	10.9	10.6	10.8	9.1	7.6	8.3	---	---	---	---	---	---
5	11.1	10.8	11.0	9.2	8.7	9.1	---	---	---	---	---	---
6	11.2	10.8	11.0	9.1	8.9	9.1	---	---	---	---	---	---
7	11.0	10.5	10.8	9.1	8.8	9.0	---	---	---	---	---	---
8	11.0	10.3	10.6	9.1	8.8	8.9	10.7	9.1	10.0	---	---	---
9	10.7	10.1	10.4	9.1	8.0	8.7	10.2	10.1	10.1	---	---	---
10	11.2	10.0	10.4	8.7	7.9	8.2	---	---	---	---	---	---
11	11.2	10.8	11.0	9.4	8.6	9.0	---	---	---	8.6	8.0	8.3
12	11.0	10.7	10.8	9.1	8.2	8.5	---	---	---	8.8	8.4	8.6
13	11.2	11.0	11.1	8.7	8.1	8.4	---	---	---	8.5	8.1	8.3
14	11.0	10.7	10.9	8.8	8.3	8.5	---	---	---	8.6	8.2	8.4
15	10.9	10.1	10.6	8.2	7.7	8.0	---	---	---	8.3	7.8	8.0
16	10.1	9.2	9.6	---	---	---	---	---	---	8.1	7.2	7.7
17	9.9	9.1	9.4	---	---	---	---	---	---	8.0	7.2	7.6
18	10.5	9.8	10.1	---	---	---	---	---	---	7.8	7.2	7.4
19	10.5	10.0	10.3	---	---	---	---	---	---	7.4	6.8	7.2
20	10.5	10.2	10.3	---	---	---	---	---	---	7.5	6.9	7.3
21	11.1	10.8	11.0	---	---	---	---	---	---	7.8	7.5	7.6
22	11.1	10.4	10.8	---	---	---	---	---	---	7.8	7.5	7.7
23	10.8	9.9	10.4	---	---	---	---	---	---	8.3	7.5	7.9
24	11.1	10.0	10.4	10.3	10.0	10.1	8.2	7.2	7.8	7.9	7.2	7.6
25	11.5	9.8	10.7	10.2	7.8	9.2	7.6	6.5	7.3	7.5	7.2	7.3
26	10.0	9.7	9.9	9.7	8.5	9.3	6.7	5.4	5.8	7.7	7.2	7.4
27	9.8	9.2	9.6	9.6	9.2	9.4	5.9	5.7	5.8	7.6	7.2	7.4
28	9.4	8.5	9.1	9.8	9.1	9.6	---	---	---	7.7	7.3	7.5
29	---	---	---	9.1	8.5	8.8	---	---	---	7.6	7.0	7.4
30	---	---	---	8.5	8.1	8.3	---	---	---	7.3	6.8	7.1
31	---	---	---	9.0	7.7	8.4	---	---	---	7.1	6.7	6.9

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

[illegible]

## 02153780 CLARKS FORK CREEK NEAR SMYRNA. S.C.

LOCATION.--Lat 35°04'45", long 81°23'17", York County, Hydrologic Unit 03050105, at Road 55 bridge 3.0 mi (4.8 km) northeast of Smyrna and 10.1 mi (16.2 km) northwest of York, S.C.

DRAINAGE AREA.--24.1 mi<sup>2</sup> (62.4 km<sup>2</sup>).

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 565 ft (172 m) (topographic map).

REMARKS.--Records good, except those for periods of no gage-height record, Dec. 11 to Jan. 12, which are poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 940 ft<sup>3</sup>/s (26.6 m<sup>3</sup>/s) Sept. 7, gage height 9.66 ft (2.944 m); minimum daily 1.10 ft<sup>3</sup>/s (0.031 m<sup>3</sup>/s) Sept. 20-31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	12	16	12	13	15	24	11	10	6.9	5.9	3.8
2	40	11	16	12	13	15	21	10	8.5	7.4	6.0	3.7
3	24	10	15	11	12	14	18	9.3	8.1	9.8	10	3.6
4	14	36	14	11	13	14	17	9.3	8.9	8.3	6.5	3.8
5	12	23	14	13	12	20	18	9.3	7.5	7.4	5.1	4.8
6	11	15	13	13	11	16	18	9.3	7.2	8.1	4.7	6.2
7	10	13	13	12	11	15	16	14	7.2	6.6	4.4	117
8	9.8	13	13	12	10	14	15	11	7.1	6.5	4.4	4.5
9	9.5	12	13	12	11	14	16	9.5	6.6	5.9	6.0	2.1
10	9.3	12	16	13	12	14	17	9.8	6.3	5.3	4.8	1.5
11	9.3	11	17	15	153	14	16	9.8	5.9	5.0	4.2	1.3
12	9.5	10	16	16	36	13	15	8.9	6.8	5.3	5.6	1.2
13	9.1	10	15	16	22	13	14	8.5	8.1	5.1	5.4	1.2
14	9.1	11	15	15	18	13	14	8.3	6.9	5.0	4.5	1.2
15	9.8	14	15	12	17	13	16	8.1	6.2	4.7	4.2	1.4
16	10	26	15	11	16	14	13	7.9	5.4	4.8	4.1	2.0
17	10	23	14	27	16	13	13	7.7	6.8	7.1	4.1	1.5
18	11	43	14	14	18	13	14	7.9	152	5.4	4.1	1.4
19	12	23	13	12	102	14	13	8.1	16	4.8	4.4	1.2
20	13	17	13	12	58	13	15	12	11	4.5	6.2	1.1
21	11	15	14	12	30	13	13	11	12	4.2	4.8	1.1
22	10	14	15	11	22	14	12	8.5	8.5	4.0	4.4	1.1
23	10	14	15	10	21	27	13	7.9	7.5	3.7	4.2	1.1
24	12	26	14	10	19	23	13	7.5	6.9	3.7	4.2	1.1
25	15	25	14	11	17	16	11	7.2	6.8	23	4.3	1.1
26	13	17	14	11	16	14	11	7.2	7.1	7.7	4.2	1.1
27	11	64	14	11	15	13	11	12	6.0	5.1	4.0	1.1
28	13	41	13	10	15	13	11	11	6.0	4.3	3.9	1.1
29	13	22	14	10	---	13	10	8.5	5.6	4.1	3.8	1.1
30	18	18	14	11	---	53	10	7.9	5.7	8.1	3.8	1.1
31	16	---	13	11	---	37	---	13	---	7.9	3.8	---
TOTAL	449.4	601	444	389	729	520	438	291.4	374.6	199.7	150.0	175.5
MEAN	14.5	20.0	14.3	12.5	26.0	16.8	14.6	9.40	12.5	6.44	4.84	5.85
MAX	65	64	17	27	153	53	24	14	152	23	10	117
MIN	9.1	10	13	10	10	13	10	7.2	5.4	3.7	3.8	1.1
WTR YR 1981	TOTAL	4761.6	MEAN	13.0	MAX	153	MIN	1.1				

## Santee River Basin

02154500 NORTH PACOLET RIVER AT FINGERVILLE, S.C.

LOCATION.--Lat 35°07'15", long 81°59'10", Spartanburg County, Hydrologic Unit 03050105, on right bank at McMillin Mill, about 400 ft (120 m) downstream from Obed Creek, 1.4 mi (2.3 km) south of Fingerville, and at mile 48.5 (78.0 km).

DRAINAGE AREA.--116 mi<sup>2</sup> (300 km<sup>2</sup>).

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 715.56 ft (218.103 m) National Geodetic Vertical Datum of 1929. From Nov. 26, 1929 to Nov. 24, 1933, recording gage at site about 400 ft (120 m) downstream at datum 5.60 ft (1.707 m) higher.

REMARKS.--Records good, except those for periods of no gage-height record, May 28 to July 8, which are poor. Some diurnal fluctuation at low and medium flow caused by mill above station.

AVERAGE DISCHARGE.--52 years, 212 ft<sup>3</sup>/s (6.004 m<sup>3</sup>/s), 24.82 in/yr (630 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft<sup>3</sup>/s (354 m<sup>3</sup>/s) Aug. 14, 1940, gage height, 27.13 ft (8.269 m) from rating curve extended above 4,300 ft<sup>3</sup>/s (122 m<sup>3</sup>/s) on basis of computation of peak flow over dam 2.0 mi (3.2 km) above station; minimum, 9.0 ft<sup>3</sup>/s (0.25 m<sup>3</sup>/s) Oct. 6, 1954; minimum daily, 28 ft<sup>3</sup>/s (0.79 m<sup>3</sup>/s) Oct. 6, 7, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,600 ft<sup>3</sup>/s (45.3 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
Oct. 1	1230	*608	17.2	*5.27	1.606

Minimum discharge, 44 ft<sup>3</sup>/s (1.25 m<sup>3</sup>/s) Sept. 3, gage height, 2.92 ft (0.890 m); minimum daily, 45 ft<sup>3</sup>/s (1.27 m<sup>3</sup>/s) Sept. 2.

DISCHARGE, IN CUHIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	560	156	172	130	103	139	240	100	100	85	64	47
2	340	143	163	130	129	135	220	95	130	140	72	45
3	232	138	156	120	124	129	190	90	160	90	73	52
4	189	167	153	120	106	131	170	85	100	85	70	68
5	174	163	147	120	105	181	190	90	95	80	65	65
6	171	143	145	110	106	149	170	90	95	75	60	219
7	155	137	141	120	105	135	160	130	90	75	60	432
8	146	135	139	130	106	129	150	101	90	75	70	252
9	141	133	138	120	105	127	150	94	85	72	75	139
10	136	130	143	120	110	125	150	92	85	68	70	105
11	131	125	137	130	391	124	150	222	80	65	75	91
12	124	124	131	140	262	120	140	143	75	65	90	83
13	120	122	130	125	181	120	140	110	70	66	80	76
14	120	123	124	115	159	118	129	101	70	62	80	72
15	120	138	126	111	147	115	129	101	70	57	90	70
16	120	161	120	110	139	115	122	97	70	64	80	75
17	120	150	120	106	137	113	120	92	65	101	70	75
18	121	161	120	103	172	113	120	92	65	72	57	69
19	190	143	120	106	280	113	130	97	65	83	54	64
20	149	134	120	108	260	110	150	115	85	81	54	62
21	127	132	120	113	202	110	140	120	70	118	51	61
22	122	128	110	113	174	118	130	95	65	75	49	61
23	119	128	110	110	190	172	130	91	60	65	47	60
24	118	204	120	108	181	163	130	86	65	62	48	54
25	170	216	120	105	159	145	120	83	80	64	47	57
26	158	168	120	106	151	137	110	81	75	62	46	56
27	134	268	110	106	145	131	110	231	65	62	46	56
28	139	299	110	105	141	124	110	300	65	62	46	54
29	140	220	130	103	---	122	110	100	75	59	46	53
30	182	188	130	103	---	193	100	95	85	60	46	52
31	192	---	140	105	---	300	---	90	---	60	48	---
TOTAL	5160	4777	4064	3551	4570	4256	4310	3509	2450	2310	1929	2430
MEAN	166	159	131	115	163	137	144	113	81.7	74.5	62.2	94.3
MAX	560	299	172	140	391	300	240	300	160	140	90	532
MIN	118	122	110	103	103	110	100	81	60	57	46	45
CFS-M	1.43	1.37	1.13	.99	1.41	1.18	1.24	.97	.70	.64	.54	.81
IN.	1.65	1.53	1.30	1.14	1.47	1.36	1.38	1.13	.79	.74	.62	.91
CAL YR 1980	TOTAL	63904	MEAN	229	MAX	2800	MIN	95	CFSM	1.97	IN	26.91
WTR YR 1981	TOTAL	43721	MEAN	120	MAX	560	MIN	45	CFSM	1.03	IN	14.02

02154950 LAKE WILLIAM C. BOWEN NEAR FINGERVILLE, S.C.

LOCATION.--Lat 35°06'45", long 82°02'26", Spartanburg County, Hydrologic Unit 03050105, at bridge on State Highway 9, 1.7 mi (2.7 km) upstream from the dam and 2.8 mi (4.5 km) southwest of Fingerville.

DRAINAGE AREA.--79.4 mi<sup>2</sup> (205.6 km<sup>2</sup>).

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

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Spartanburg Water Works datum).

REMARKS.--Reservoir is formed by concrete dam, completed in 1960. Capacity is 7,400,000,000 gal (28.009 hm<sup>3</sup>). Spillway crest is 815 ft (248.4 m) NGVD. Water used as inflow to South Pacolet River Reservoir, capacity, 1,104,000,000 gal (4.179 hm<sup>3</sup>).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 817.44 ft (249.156 m) Oct. 9, 1976; minimum, 809.28 ft (246.669 m) Nov. 30, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 815.52 ft (248.570 m) Oct. 1; minimum, 810.02 ft (246.894 m) Jan. 18.

Capacity table (elevation, in feet and meters) and usable contents  
(in billions of gallons and millions of cubic meters)  
(Prepared from curve by Wiedeman and Singleton Engineers of Atlanta, Ga.)

811 ft (247.19 m)	5.45 (20.628 m <sup>3</sup> )
812 ft (247.50 m)	5.90 (22.331 m <sup>3</sup> )
813 ft (247.80 m)	6.35 (24.035 m <sup>3</sup> )
814 ft (248.11 m)	6.80 (25.738 m <sup>3</sup> )
815 ft (248.41 m)	7.30 (27.630 m <sup>3</sup> )
816 ft (248.72 m)	7.80 (29.523 m <sup>3</sup> )

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	815.50	814.57	814.52	810.53	810.39	813.30	815.08	814.74	815.41	815.02	814.32	813.36
2	815.30	814.52	814.50	810.42	810.50	813.36	815.03	814.70	815.40	815.10	814.30	813.33
3	815.17	814.48	814.42	810.31	810.54	813.40	815.00	814.69	815.47	815.10	814.26	813.34
4	815.10	814.55	814.34	810.19	810.57	813.52	814.97	814.69	815.41	815.00	814.23	813.32
5	815.07	814.51	814.26	810.10	810.59	813.64	815.00	814.70	815.36	815.00	814.20	813.29
6	815.05	814.47	814.17	810.11	810.62	813.68	814.95	814.77	815.32	815.00	814.20	813.47
7	815.03	814.43	814.09	810.11	810.65	813.72	814.92	814.82	815.31	815.03	814.20	813.67
8	815.01	814.38	814.01	810.11	810.68	813.77	814.91	814.84	815.29	815.06	814.10	813.67
9	814.99	814.33	813.93	810.10	810.70	813.81	814.90	814.86	815.28	815.04	814.10	813.65
10	814.96	814.27	813.87	810.09	810.85	813.85	814.88	815.02	815.26	815.02	814.08	813.61
11	814.92	814.21	813.77	810.08	811.33	813.90	814.86	815.12	815.25	815.02	814.00	813.58
12	814.85	814.15	813.68	810.05	811.49	813.93	814.84	815.09	815.26	815.06	814.00	813.54
13	814.80	814.09	813.57	810.05	811.60	813.96	814.83	815.08	815.25	815.05	813.94	813.50
14	814.75	814.03	813.48	810.05	811.69	813.99	814.85	815.07	815.25	815.04	813.88	813.48
15	814.70	814.08	813.39	810.05	811.77	814.01	814.85	815.06	815.24	815.02	813.88	813.47
16	814.65	814.06	813.25	810.05	811.85	814.03	814.85	815.05	815.23	815.00	813.82	813.45
17	814.61	814.07	813.07	810.03	811.95	814.07	814.86	815.04	815.23	815.00	814.00	813.43
18	814.64	814.04	812.87	810.05	812.10	814.10	814.87	815.05	815.22	815.00	813.96	813.39
19	814.77	814.00	812.69	810.05	812.36	814.10	814.89	815.11	815.22	814.90	813.92	813.35
20	814.75	813.95	812.49	810.07	812.54	814.13	814.89	815.13	815.21	814.90	813.89	813.32
21	814.72	813.91	812.29	810.09	812.64	814.15	814.89	815.10	815.20	814.94	813.84	813.28
22	814.68	813.89	812.09	810.11	812.74	814.25	814.89	815.08	815.19	814.90	813.79	813.25
23	814.63	813.88	811.90	810.11	812.88	814.34	814.92	815.07	815.17	814.80	813.75	813.22
24	814.61	814.04	811.72	810.14	812.98	814.40	814.88	815.05	815.17	814.80	813.71	813.18
25	814.63	814.08	811.51	810.18	813.05	814.44	814.85	815.04	815.20	814.72	813.66	813.15
26	814.59	814.09	811.31	810.21	813.12	814.47	814.84	815.04	815.16	814.64	813.62	813.11
27	814.56	814.35	811.12	810.25	813.18	814.50	814.83	815.21	815.08	814.60	813.57	813.07
28	814.56	814.46	810.93	810.28	813.25	814.53	814.81	815.16	815.00	814.56	813.52	813.03
29	814.53	814.50	810.78	810.31	---	814.56	814.79	815.12	815.00	814.50	813.48	812.99
30	814.61	814.51	810.73	810.34	---	815.02	814.77	815.19	815.00	814.41	813.44	812.95
31	814.60	---	810.63	810.37	---	815.11	---	815.44	---	814.32	813.40	---
MAX	815.50	814.57	814.52	810.53	813.25	815.11	815.08	815.44	815.47	815.10	814.32	813.67
MIN	814.53	813.88	810.63	810.03	810.39	813.30	814.77	814.69	815.00	814.32	813.40	812.95
(+)	7.10	7.06	5.28	5.17	6.46	7.36	7.18	7.52	7.30	7.05	6.53	6.33
(*)	-18.97	-2.06	-88.84	-5.49	71.28	44.92	-9.28	16.97	-11.34	-12.48	-25.95	-10.31
CAL YR 1980	*	-5.45	MAX	815.88	MIN	810.63						
WTR YR 1981	*	-4.87	MAX	815.50	MIN	810.03						

(+) CONTENTS, IN BILLIONS OF GALLONS, AT END OF MONTH.

(\*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.



## SANTEE RIVER BASIN

02155500 PACOLET RIVER NEAR FINGERVILLE, S.C.

LOCATION.--Lat 35°06'35", long 81°57'35", Spartanburg County, Hydrologic Unit 03050105, on right bank 100 ft (30 m) upstream from bridge on State Road 55, 0.2 mi (0.3 km) downstream from confluence of North Pacolet and South Pacolet Rivers, 2.8 mi (4.5 km) southeast of Fingerville, and at mile 46.5 (74.8 km).

DRAINAGE AREA.--212 mi<sup>2</sup> (549 km<sup>2</sup>).

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1303: 1930-39 (monthly and yearly runoff).

GAGE.--Water-stage recorder. Datum of gage is 706.33 ft (215.289 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those for periods of no gage-height record, Jan. 30 to Mar. 25 which are poor. Some regulation by South Pacolet River Reservoir and Lake William C. Rowen (see preceding page). Some diurnal fluctuation caused by mill on North Pacolet River. About 43.0 ft<sup>3</sup>/s (1.22 m<sup>3</sup>/s) per day diverted above station for City of Spartanburg water supply during water year.

AVERAGE DISCHARGE.--52 years, 354 ft<sup>3</sup>/s (10.02 m<sup>3</sup>/s), 22.68 in/yr (576 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,800 ft<sup>3</sup>/s (646 m<sup>3</sup>/s) Aug. 14, 1940, gage height, 22.43 ft (6.837 m), from rating curve extended above 9,600 ft<sup>3</sup>/s (272 m<sup>3</sup>/s) by velocity-area studies; minimum daily, 32 ft<sup>3</sup>/s (0.91 m<sup>3</sup>/s) Oct. 6, 7, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1903 reached a stage of 46 ft (14.0 m) from floodmark (discharge not determined).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,580 ft<sup>3</sup>/s (44.7 m<sup>3</sup>/s) Oct. 1, gage height, 3.43 ft (1.045 m); minimum daily, 58 ft<sup>3</sup>/s (1.64 m<sup>3</sup>/s) Aug. 27-29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1240	279	231	270	130	160	482	115	470	80	87	62
2	854	258	221	261	160	150	414	112	313	86	92	60
3	504	255	248	262	140	150	226	111	455	130	89	70
4	428	309	294	258	130	200	214	111	414	104	79	77
5	389	298	294	253	120	300	297	124	248	86	79	77
6	301	248	287	247	120	180	305	108	166	82	77	489
7	192	237	344	204	120	170	258	120	180	80	77	499
8	174	234	414	170	110	160	270	117	224	80	77	208
9	166	231	302	160	120	160	233	112	174	80	94	123
10	163	227	272	160	130	160	204	109	121	80	80	104
11	160	221	286	155	500	150	215	256	106	79	80	98
12	172	224	280	146	400	150	211	195	102	79	104	90
13	183	224	276	157	300	140	205	170	123	79	98	90
14	177	227	275	167	220	150	206	150	102	79	96	88
15	195	265	277	165	200	160	190	140	98	77	96	86
16	224	309	275	177	190	150	166	130	96	77	94	90
17	231	279	343	193	200	160	167	120	92	87	94	100
18	234	309	407	191	240	140	171	130	92	79	84	98
19	313	287	395	198	280	170	167	150	92	80	76	90
20	265	221	296	198	260	160	169	280	91	79	72	84
21	195	183	299	195	220	140	173	190	89	100	68	80
22	163	177	305	163	200	170	165	160	87	79	66	80
23	160	234	327	137	220	240	165	140	86	77	66	80
24	177	360	337	135	220	180	164	130	84	77	66	78
25	262	368	342	137	200	167	154	120	84	79	64	76
26	255	298	367	134	180	157	148	160	82	79	62	74
27	227	437	304	134	170	152	149	301	82	79	58	72
28	237	474	307	135	160	145	147	484	80	79	58	72
29	251	360	326	136	---	139	144	290	79	77	58	70
30	309	255	304	135	---	552	136	251	79	77	60	70
31	320	---	285	130	---	636	---	376	---	77	62	---
TOTAL	9121	8288	9520	5563	5640	5998	6315	5462	4591	2563	2413	3435
MEAN	294	276	307	179	201	193	211	176	153	82.7	77.8	115
MAX	1240	474	414	270	500	636	482	484	470	130	104	499
MIN	160	177	221	130	110	139	136	108	79	77	58	60
CFSM	1.39	1.30	1.45	.84	.95	.91	1.00	.83	.72	.39	.37	.54
IN.	1.60	1.45	1.67	.98	.99	1.05	1.11	.96	.81	.45	.42	.60
CAL YR 1980	TOTAL	158915	MEAN 434	MAX 5000	MIN 123	CFSM 2.05	IN 27.88					
WTR YR 1981	TOTAL	68909	MEAN 189	MAX 1240	MIN 58	CFSM .89	IN 12.09					

## 81

LOCATION.--Lat 35°01'31", long 82°04'27", Spartanburg County, Hydrologic Unit 03050105, on left bank, at Milliken and Co. Dewey Plant, 1.8 miles (2.9 km) southeast of Inman and 3.8 miles (6.1 km) upstream from the confluence with Meadow Creek.

PERIOD OF RECORD.--October 1979 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 838 ft (255 m) (from topographic map).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 213 ft<sup>3</sup>/s (6.03 m<sup>3</sup>/s) May 23, 1980, gage height, 7.86 ft (2.396 m); minimum daily, 2.6 ft<sup>3</sup>/s (0.074 m<sup>3</sup>/s) Aug. 28, 29, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 123 ft<sup>3</sup>/s (3.48 m<sup>3</sup>/s) Sept. 7, gage height, 5.86 ft (1.786 m); minimum daily, 2.6 ft<sup>3</sup>/s (0.074 m<sup>3</sup>/s) Aug. 28, 29.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	9.0	9.8	5.5	5.3	6.4	11	5.0	6.4	4.5	5.8	2.8
2	20	8.4	9.4	5.4	7.2	6.3	10	4.8	7.2	7.6	4.6	3.0
3	13	8.1	8.9	5.2	5.5	6.1	9.0	4.5	9.4	5.0	4.4	3.4
4	10	20	8.8	5.1	5.4	8.4	8.0	4.4	7.4	4.0	4.0	4.0
5	10	11	8.7	4.9	5.4	9.4	4.0	4.5	5.3	3.9	3.8	3.7
6	9.4	9.4	8.6	5.0	5.5	6.6	8.0	5.5	5.1	3.9	3.6	6.1
7	8.9	9.1	8.4	7.0	5.5	6.3	7.0	7.4	5.0	3.9	3.8	5.6
8	8.7	8.8	8.3	6.0	5.7	6.3	7.0	5.5	4.8	3.9	4.0	14
9	8.2	8.8	8.4	5.0	5.5	6.1	8.0	5.5	4.8	3.9	4.2	5.3
10	7.9	8.6	9.5	5.0	9.0	6.1	7.0	5.5	4.6	3.7	4.4	4.4
11	8.1	8.3	8.0	6.0	28	5.9	6.0	21	4.5	3.6	4.6	4.1
12	7.5	8.3	7.6	7.0	9.0	5.8	6.0	6.1	4.1	3.5	4.6	3.9
13	7.5	8.0	7.4	4.8	7.8	5.8	5.5	5.8	4.1	3.5	4.6	3.8
14	7.4	8.1	7.0	4.7	7.2	5.8	5.7	5.8	4.0	3.4	4.4	3.7
15	7.5	16	6.8	4.9	7.0	5.8	5.8	5.7	3.9	3.2	4.9	3.6
16	7.4	10	7.0	5.0	7.0	5.8	5.4	5.8	3.8	3.4	4.8	3.7
17	7.3	11	6.6	4.7	7.8	5.6	5.5	5.7	3.8	3.9	4.8	3.5
18	8.4	11	6.6	4.8	11	6.0	5.6	5.7	3.7	3.9	4.4	3.4
19	18	9.2	6.6	4.9	14	6.0	5.5	6.4	3.6	4.3	3.2	3.4
20	8.7	8.8	6.1	5.0	11	6.0	5.6	9.2	4.7	5.9	3.0	3.4
21	8.2	8.6	6.1	5.2	8.6	5.0	5.4	5.8	3.8	7.0	3.1	3.3
22	7.8	8.5	6.1	5.0	7.8	7.0	5.4	5.7	3.5	4.5	3.0	3.3
23	7.5	8.5	6.4	5.1	10	9.0	5.5	5.6	3.4	4.1	2.9	3.2
24	8.0	20	6.1	5.0	7.8	7.0	5.6	5.7	3.4	3.9	2.8	3.2
25	11	11	5.8	5.0	7.2	7.0	5.4	5.7	4.1	4.0	2.8	3.1
26	8.0	9.5	5.8	5.1	7.0	7.0	5.4	5.6	4.6	3.8	2.7	3.1
27	7.4	27	5.7	5.1	6.6	6.0	5.4	17	3.6	3.8	2.7	3.1
28	11	15	6.3	5.1	6.6	6.0	5.4	6.8	3.6	3.7	2.6	3.1
29	8.4	11	5.9	5.0	---	6.0	5.4	5.7	3.5	3.5	2.6	3.0
30	17	10	7.2	5.1	---	20	5.0	5.5	4.8	3.6	2.7	3.0
31	10	---	5.8	5.1	---	15	---	6.4	---	4.4	2.8	---
TOTAL	362.2	329.0	225.7	161.7	231.4	221.5	194.5	205.3	138.5	129.2	116.6	170.6
MEAN	11.7	11.0	7.28	5.22	8.26	7.15	6.48	6.62	4.62	4.17	3.76	5.69
MAX	74	27	9.8	7.0	28	20	11	21	9.4	7.6	5.8	56
MIN	7.3	8.0	5.7	4.7	5.3	5.0	5.0	4.4	3.4	3.2	2.6	2.8
CAL YR 1980	TOTAL	4293.8	MEAN	11.7	MAX 98	MIN	4.1					
WTR YR 1981	TOTAL	2486.2	MEAN	6.81	MAX 74	MIN	2.6					

## Santee River Basin

02156450 NEALS CREEK NEAR CARLISLE, S.C.

LOCATION.--Lat 34°39'53", long 81°27'28", Union County, Hydrologic Unit 03050106, at road 86 bridge, 5.1 mi (8.2 km) north of Carlisle, and 10.3 mi (16.6 km) southeast of Union.

DRAINAGE AREA.--12.3 mi<sup>2</sup> (31.9 km<sup>2</sup>), approximately.

PERIOD OF RECORD.--October 1980 to September 1981.

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 466 ft<sup>3</sup>/s (13.2 m<sup>3</sup>/s) Feb. 11, gage height, 5.05 ft (1.539 m); minimum daily, 1.50 ft<sup>3</sup>/s (0.04 m<sup>3</sup>/s) Sept. 12, 29.

DISCHARGE. IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	128	6.7	9.9	5.7	5.1	8.0	11	5.0	12	3.3	145	4.3
2	19	6.2	9.0	5.7	6.6	7.9	9.5	4.7	19	4.3	32	4.3
3	7.4	6.3	7.8	5.7	5.7	7.1	8.7	4.5	19	4.1	9.3	4.3
4	4.7	9.5	7.5	5.4	6.0	7.3	8.4	4.5	11	4.1	2.7	4.3
5	3.6	8.2	7.2	6.3	6.3	11	8.8	4.2	6.6	4.1	1.7	5.4
6	3.2	7.4	6.9	6.6	4.8	7.9	8.1	4.1	5.3	4.6	6.0	4.8
7	3.1	7.3	6.6	6.0	5.1	7.5	7.4	4.9	5.0	3.9	10	8.5
8	3.2	7.3	6.3	5.7	5.1	6.9	7.3	4.4	4.6	3.7	18	3.9
9	3.2	7.3	6.3	5.7	4.6	7.1	7.4	4.3	4.4	3.7	6.6	2.0
10	3.3	7.3	9.9	5.7	5.4	7.0	7.2	4.3	4.0	3.7	4.6	1.7
11	3.3	7.2	8.1	7.2	192	7.1	7.0	4.3	3.7	3.7	4.1	1.6
12	2.9	7.0	6.9	8.1	28	6.9	6.9	4.0	5.1	3.5	3.9	1.5
13	3.3	7.1	6.6	8.4	13	6.8	6.7	3.9	4.6	3.5	3.7	1.6
14	3.4	7.0	6.3	7.5	11	7.0	6.4	4.0	4.3	3.5	3.7	1.7
15	3.4	9.7	6.3	5.1	10	6.6	7.3	4.3	4.1	3.3	3.9	1.8
16	3.5	9.6	6.3	5.1	9.3	6.9	6.4	4.2	4.1	4.1	3.9	1.8
17	3.6	19	6.0	5.4	8.8	7.0	6.3	4.2	3.9	4.1	3.9	1.9
18	3.9	25	5.7	6.9	9.0	7.5	6.4	4.3	3.9	3.5	4.1	1.8
19	4.8	13	5.7	6.3	130	7.7	5.9	4.5	3.9	3.5	4.6	1.7
20	4.2	10	5.4	5.4	39	7.0	9.0	4.2	3.7	3.3	4.3	1.7
21	4.1	9.1	5.4	5.7	18	6.9	9.4	4.4	3.7	3.3	4.1	1.7
22	4.0	8.1	6.0	5.4	14	10	6.9	4.1	3.5	3.3	4.1	1.7
23	4.1	7.7	6.0	4.8	13	21	6.7	4.0	3.3	3.1	4.1	1.7
24	4.1	30	5.7	4.6	11	12	6.5	4.0	3.3	3.1	4.3	1.7
25	5.6	23	5.4	4.8	9.4	10	5.9	3.9	3.3	3.1	4.3	1.8
26	4.8	14	5.7	4.8	8.9	9.2	5.8	3.8	3.3	2.9	4.3	1.8
27	4.6	42	5.7	4.8	8.2	8.6	5.5	7.1	3.3	2.9	4.3	1.8
28	7.7	28	5.7	4.8	8.2	8.0	5.3	7.6	3.1	2.9	4.3	1.6
29	5.8	16	5.4	4.6	---	8.0	5.2	3.9	3.1	3.1	4.6	1.5
30	9.7	11	6.9	4.8	---	17	5.3	3.6	3.3	4.3	4.6	1.6
31	7.6	---	6.6	5.1	---	13	---	4.1	---	3.3	4.3	---
TOTAL	277.1	377.0	205.2	178.1	595.5	271.9	214.6	137.3	165.4	110.8	323.3	77.5
MEAN	8.94	12.6	6.62	5.75	21.3	8.77	7.15	4.43	5.51	3.57	10.4	2.58
MAX	128	42	9.9	8.4	192	21	11	7.6	19	4.6	145	8.5
MIN	2.9	6.2	5.4	4.6	4.6	6.6	5.2	3.6	3.1	2.9	1.7	1.5
WTR YR 1981	TOTAL	2933.7	MEAN	8.04	MAX	192	MIN	1.5				

02156500 BROAD RIVER NEAR CARLISLE, S.C.

LOCATION.--Lat 34°35'46", long 81°25'20", Union County, Hydrologic Unit 03050106, on right bank at downstream side of bridge on State Highway 72, 1.3 mi (2.1 km) upstream from Sandy River, 2.0 mi (3.2 km) downstream from Seaboard Coast Line Railroad bridge, 2.5 mi (4.0 km) east of Carlisle, 5.0 mi (8.0 km) downstream from Neals Shoals Dam, and at mile 226.0 (363.6 km).

DRAINAGE AREA.--2,790 mi<sup>2</sup> (7,230 km<sup>2</sup>), approximately.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 892: 1939(M), drainage area.

GAGE.--Water-stage recorder. Datum of gage is 290.79 ft (88.605 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for those for period of no gage-height record Dec. 26 to Feb. 13, which are poor. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff.

AVERAGE DISCHARGE.--43 years, 4,059 ft<sup>3</sup>/s (115.0 m<sup>3</sup>/s), 19.76 in/yr (502 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 123,000 ft<sup>3</sup>/s (3,483 m<sup>3</sup>/s) Oct. 10, 1976, gage height, 31.51 ft (9.604 m), from rating curve extended above 66,000 ft<sup>3</sup>/s (1,869 m<sup>3</sup>/s) on basis of computation of peak flow over Neals Shoals Dam; minimum, 37 ft<sup>3</sup>/s (1.05 m<sup>3</sup>/s), Aug. 29, 1955; minimum daily, 44 ft<sup>3</sup>/s (1.25 m<sup>3</sup>/s) Sept. 2, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 25,000 ft<sup>3</sup>/s (708 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
Oct. 2	0330	*15,600	442	*10.09	3.075

Minimum discharge, 237 ft<sup>3</sup>/s (6.71 m<sup>3</sup>/s) Aug. 13; minimum daily, 742 ft<sup>3</sup>/s (21.0 m<sup>3</sup>/s) Aug. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13800	3490	4150	2600	2400	2950	7480	2030	3840	1140	2530	899
2	14500	3220	3530	2400	2800	2500	5260	2070	4100	1760	1900	787
3	9340	2830	3620	2200	2400	2640	4420	1860	3730	1830	1560	823
4	5800	2950	3550	2600	2800	2550	3780	1590	3300	3440	1870	889
5	4120	4950	3270	3000	3600	2860	3170	1510	3290	2830	1710	1020
6	3300	4290	3410	2600	2600	3460	2860	2100	2890	1730	1220	1160
7	2990	3480	3090	2400	2200	2920	3420	1870	2400	1630	1280	3410
8	3120	2790	3090	2200	1900	2750	2910	2210	3090	1270	1590	6380
9	3090	2760	2840	2400	2000	2330	2920	2210	2990	1230	1460	3390
10	2840	2610	3070	2400	4000	2310	2910	1800	2810	1510	1570	1510
11	2590	2720	3220	2800	14000	2310	3100	1510	2030	1280	1310	1330
12	2340	2400	3240	3200	10000	2450	2910	2720	2000	1330	1370	1430
13	2250	2550	3000	2800	5500	2590	2340	2790	2060	1080	1100	1230
14	2330	2620	2730	2400	4400	2420	2400	2400	1760	1250	1220	1250
15	2270	2780	2560	2000	6630	2370	2560	2070	1670	1020	1160	1200
16	2360	3200	2580	2200	2860	2220	2860	1830	1230	1190	1100	1020
17	2440	3190	2810	2600	2940	1900	2300	1860	1800	1160	908	1070
18	2400	4150	2860	2800	2910	2240	2310	1870	1610	1320	1100	1050
19	2610	4520	2720	2400	6420	2400	2360	1380	2860	1300	1150	1090
20	2680	3250	2840	2200	8900	2180	2580	2040	1630	1130	991	980
21	3100	3050	2760	2400	6260	2300	2310	2650	1560	1230	1060	1410
22	2610	2910	2550	2200	4600	2390	2590	2440	1630	1210	958	928
23	2720	2870	2420	2000	3820	2620	2670	2310	1420	1080	870	1100
24	2580	3090	2560	2000	3460	2610	2310	1900	1210	1170	823	947
25	2390	4250	3050	2200	3290	3220	2340	1640	1190	2300	889	1000
26	2560	4870	2600	2200	3460	2890	2120	1720	1370	3390	787	991
27	3120	4600	2600	2000	3340	2780	1910	1690	1440	1960	1070	928
28	2680	6800	2800	2400	3040	2550	1760	3140	1200	1300	823	918
29	2640	6900	3000	2600	---	2510	2180	6400	1310	1190	805	1530
30	2910	5400	3400	2200	---	2870	1960	4720	1100	1530	742	851
31	3480	---	2800	2000	---	6150	---	3290	---	1590	889	---
TOTAL	117960	109490	92720	74400	122530	83240	87000	71620	64520	48380	37815	42521
MEAN	3805	3650	2991	2400	4376	2685	2900	2310	2151	1561	1220	1417
MAX	14500	6900	4150	3200	14000	6150	7480	6400	4100	3440	2530	6380
MIN	2250	2400	2420	2000	1900	1900	1760	1380	1100	1020	742	787
CFSM	1.36	1.31	1.07	.86	1.57	.96	1.04	.83	.77	.56	.44	.51
IN.	1.57	1.46	1.24	.99	1.63	1.11	1.16	.95	.86	.65	.50	.57

CAL YR 1980	TOTAL	1692190	MEAN	4623	MAX	29500	MIN	1730	CFSM	1.66	IN	22.56
WTR YR 1981	TOTAL	952196	MEAN	2609	MAX	14500	MIN	742	CFSM	.94	IN	12.70

02156500 BROAD RIVER NEAR CARLISLE, S.C.--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948, 1963-64, 1969 to current year.

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1973 to current year.

pH: October 1973 to current year.

WATER TEMPERATURE: October 1973 to current year.

DISSOLVED OXYGEN: October 1973 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1973.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum 179 micromhos Oct. 25, 1979; minimum, 21 micromhos March 31, 1977.

pH: Maximum, 9.1 units Dec. 29, 1978; minimum, 5.5 units Sept. 19, 1978.

WATER TEMPERATURE: Maximum, 35.0°C Aug. 5, 1981; minimum, 0.5°C Jan. 19, 1977.

DISSOLVED OXYGEN: Maximum, 14.4 mg/l Feb. 10, 1980; minimum, 3.6 mg/l May 1, 2, 1981.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 166 micromhos Sept. 21; minimum, 36 micromhos Apr. 3.

pH: Maximum, 7.9 units Jan. 26; minimum, 6.0 units Oct. 10.

WATER TEMPERATURE: Maximum, 35.0°C Aug. 5; minimum, 1.0°C Jan. 12, 13.

DISSOLVED OXYGEN: Maximum, 12.9 mg/l Jan. 19; minimum, 3.6 mg/l May 1, 2, 1981.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	46	40	42	70	68	69	62	59	61	66	61	64
2	48	45	47	68	65	66	62	59	61	65	60	63
3	49	46	49	66	62	63	65	61	62	69	62	66
4	---	---	---	69	58	61	67	63	65	73	66	69
5	---	---	---	61	58	59	71	66	69	73	69	71
6	---	---	---	59	58	58	73	69	71	74	67	70
7	---	---	---	---	---	---	81	69	72	73	67	70
8	59	55	57	---	---	---	77	68	72	74	69	71
9	60	57	59	---	---	---	73	67	70	70	64	67
10	61	59	60	81	79	80	74	66	70	73	69	71
11	69	62	65	82	77	79	72	69	70	76	72	74
12	70	67	69	79	75	77	74	69	72	79	73	76
13	70	68	69	78	74	76	78	72	75	82	76	79
14	---	---	---	79	74	77	79	73	76	82	72	77
15	---	---	---	81	78	80	79	72	76	78	74	75
16	67	64	66	86	76	80	80	73	77	80	69	74
17	68	62	65	88	81	85	77	72	74	74	70	72
18	71	66	68	80	74	76	75	67	71	79	74	76
19	73	70	72	75	72	73	75	69	72	77	74	75
20	74	71	73	77	74	75	78	72	75	77	73	75
21	71	66	68	77	72	74	79	71	76	---	---	---
22	68	62	64	79	74	77	82	76	79	82	79	81
23	65	61	62	83	78	79	82	72	77	87	77	82
24	64	60	61	87	79	83	79	71	75	83	79	81
25	70	65	67	78	75	77	75	72	73	85	80	83
26	71	67	70	75	68	71	73	64	69	89	85	87
27	72	68	70	67	65	66	67	61	64	88	84	86
28	75	64	70	66	61	64	67	62	64	87	82	84
29	68	61	64	64	61	62	65	61	63	85	80	83
30	66	63	65	62	60	61	66	60	63	88	79	84
31	69	63	65	---	---	---	66	60	63	86	79	82



SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	87	84	86	66	64	65	59	57	58	91	85	87
2	89	83	86	69	66	67	51	44	47	94	84	88
3	87	82	84	72	65	68	45	36	40	98	89	93
4	77	74	75	75	65	70	59	37	47	99	82	94
5	77	71	74	69	65	67	66	52	59	99	90	96
6	74	67	71	70	63	66	66	53	60	99	90	96
7	82	72	77	73	66	69	84	64	77	99	91	97
8	79	74	77	71	66	69	82	80	81	97	86	93
9	82	75	78	73	65	69	82	78	80	96	87	92
10	91	76	79	72	65	69	81	75	78	98	94	96
11	---	---	---	73	69	71	79	74	76	96	92	94
12	59	54	56	74	68	71	79	68	75	94	88	91
13	55	53	54	73	66	69	88	64	74	89	72	79
14	55	52	53	74	69	71	71	52	64	74	70	72
15	59	54	57	75	69	72	70	55	62	72	65	70
16	62	59	61	78	73	75	84	64	71	76	57	72
17	63	60	62	79	71	75	92	77	80	87	51	60
18	63	60	62	77	72	75	96	78	82	86	71	73
19	77	49	57	78	70	73	95	69	76	80	73	76
20	52	43	47	78	69	73	95	61	71	75	74	75
21	58	52	57	76	70	73	71	67	70	78	74	76
22	58	56	57	84	75	79	---	---	---	74	68	72
23	60	55	58	83	81	82	96	46	87	75	70	72
24	61	60	60	86	79	82	87	82	84	72	66	69
25	60	59	59	84	77	80	81	75	78	69	64	66
26	62	59	60	82	68	75	78	70	75	67	64	65
27	64	62	63	77	65	71	74	67	71	68	65	67
28	65	63	64	75	67	70	83	72	76	---	---	---
29	---	---	---	73	66	69	89	79	83	69	66	68
30	---	---	---	75	69	73	90	85	88	79	69	75
31	---	---	---	69	64	66	---	---	---	78	74	76
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	75	69	71	---	---	---	119	83	101	158	117	134
2	71	66	68	---	---	---	107	93	99	149	138	144
3	69	66	67	---	---	---	98	82	87	147	127	136
4	70	61	66	---	---	---	124	99	110	129	120	125
5	65	62	63	---	---	---	138	90	116	106	80	98
6	63	61	62	---	---	---	95	88	92	87	78	82
7	62	60	61	76	72	74	93	86	90	134	107	121
8	63	59	61	91	73	77	93	89	91	106	87	97
9	52	46	49	110	85	97	---	---	---	---	---	---
10	88	43	62	117	102	109	94	87	91	---	---	---
11	85	79	83	120	76	109	102	90	95	---	---	---
12	82	76	80	116	112	114	118	92	103	---	---	---
13	79	72	76	109	106	107	154	102	113	---	---	---
14	83	67	76	108	102	105	118	112	115	---	---	---
15	80	74	77	105	101	103	120	113	115	95	85	90
16	79	72	74	106	89	98	119	113	116	101	94	97
17	90	70	77	119	96	102	118	99	109	98	92	95
18	111	84	91	120	109	114	110	101	106	99	94	96
19	122	111	114	124	113	118	113	106	109	108	96	101
20	128	122	125	136	109	119	115	112	113	106	102	104
21	---	---	---	140	121	128	112	109	110	166	100	132
22	---	---	---	132	120	127	110	104	107	108	102	106
23	---	---	---	124	114	121	106	101	103	123	94	107
24	---	---	---	111	104	108	108	103	106	111	103	108
25	---	---	---	100	95	98	120	106	110	139	95	109
26	130	123	127	92	87	90	121	112	115	131	121	126
27	133	124	129	76	73	74	123	113	118	118	108	114
28	130	123	128	83	75	80	133	116	124	111	98	105
29	132	126	129	81	75	79	136	127	131	122	111	117
30	127	125	126	84	78	81	135	123	129	---	---	---
31	---	---	---	95	71	88	133	126	130	---	---	---
YEAR	226	36	81									

## Santee River Basin

02156500 BROAD RIVER NEAR CARLISLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.8	6.4		7.2	7.0		7.1	7.0		7.3	7.1	
2	6.8	6.6		7.2	7.0		7.1	7.1		7.4	7.1	
3	6.8	6.4		7.2	7.0		7.2	7.1		7.4	7.2	
4	---	---		7.1	7.0		7.2	7.1		7.5	7.2	
5	---	---		7.1	7.0		7.3	7.2		7.6	7.2	
6	---	---		7.0	6.9		7.2	7.1		7.6	7.2	
7	---	---		---	---		7.2	7.1		7.5	7.2	
8	7.2	7.0		---	---		7.2	7.1		7.5	7.3	
9	7.2	7.0		---	---		7.2	7.0		7.6	7.2	
10	7.2	6.0		7.2	7.1		7.1	7.0		7.6	7.2	
11	7.2	6.9		7.2	7.1		7.1	7.1		7.6	7.2	
12	7.2	6.9		7.3	7.1		7.1	7.1		7.6	7.3	
13	7.1	7.0		7.3	7.2		7.1	7.1		7.6	7.2	
14	---	---		7.3	7.1		7.2	7.1		7.5	7.2	
15	---	---		7.2	7.1		7.2	7.1		7.5	7.2	
16	7.4	7.1		7.1	7.0		7.3	7.1		7.5	7.3	
17	7.5	7.1		7.1	7.1		7.4	7.1		7.5	7.3	
18	7.4	7.1		7.1	7.0		7.3	7.2		7.5	7.2	
19	7.4	7.2		7.1	7.0		7.3	7.1		7.6	7.2	
20	7.3	7.1		7.1	7.1		7.3	7.1		7.5	7.2	
21	7.2	7.1		7.2	7.1		7.4	7.2		---	---	
22	7.2	7.0		7.2	7.2		7.4	7.2		7.4	7.2	
23	7.1	7.0		7.2	7.1		7.4	7.1		7.2	7.1	
24	7.2	7.1		7.2	7.0		7.3	7.2		7.6	7.2	
25	7.2	7.1		7.1	7.0		7.5	7.2		7.5	7.2	
26	7.3	7.1		7.1	7.0		7.4	7.2		7.9	7.2	
27	7.4	7.1		7.1	7.0		7.5	7.2		7.7	7.1	
28	7.3	7.2		7.0	6.9		7.3	7.2		7.8	7.1	
29	7.3	7.2		7.0	6.9		7.4	7.1		7.8	7.2	
30	7.2	7.1		7.0	7.0		7.3	7.1		7.3	7.1	
31	7.2	7.0		---	---		7.3	7.1		7.8	7.1	
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	7.4	7.2		7.0	6.9		6.7	6.6		6.4	6.4	
2	7.6	7.1		7.1	6.9		6.7	6.6		6.4	6.4	
3	7.4	7.2		7.0	6.9		6.7	6.6		6.4	6.4	
4	7.6	7.3		7.0	6.9		6.7	6.6		6.5	6.4	
5	7.6	7.3		7.0	7.0		6.6	6.6		6.4	6.4	
6	7.3	7.1		7.0	7.0		6.9	6.6		6.4	6.4	
7	7.2	6.8		7.0	6.9		6.7	6.6		6.4	6.4	
8	7.3	7.1		7.0	7.0		6.7	6.6		6.4	6.3	
9	7.7	7.2		7.1	6.9		6.6	6.6		6.4	6.3	
10	7.5	7.1		7.2	7.0		6.6	6.6		6.4	6.3	
11	7.0	6.6		7.2	7.0		6.6	6.6		6.4	6.3	
12	---	---		7.2	7.0		6.6	6.5		6.4	6.3	
13	7.0	6.9		7.2	7.0		6.8	6.5		6.4	6.3	
14	7.0	6.9		7.2	7.0		6.6	6.5		6.4	6.3	
15	7.1	7.0		7.1	7.0		6.6	6.5		6.4	6.3	
16	7.1	7.0		7.3	7.0		6.7	6.5		6.4	6.3	
17	7.1	7.0		7.3	7.0		6.6	6.5		6.3	6.3	
18	7.0	7.0		7.1	7.0		6.5	6.5		6.4	6.3	
19	7.0	6.8		7.5	7.0		6.6	6.5		6.4	6.3	
20	6.7	6.6		7.3	7.0		6.6	6.5		6.4	6.3	
21	6.9	6.8		7.2	7.0		6.5	6.5		6.4	6.2	
22	6.9	6.8		7.0	7.0		---	---		6.4	6.2	
23	6.9	6.8		7.0	6.9		6.5	6.4		6.4	6.2	
24	7.0	6.9		7.0	6.9		6.5	6.4		6.3	6.2	
25	7.0	7.0		7.0	6.9		6.5	6.4		6.3	6.2	
26	7.0	7.0		7.0	6.9		6.5	6.4		6.3	6.2	
27	7.0	7.0		6.9	6.8		6.8	6.4		6.3	6.3	
28	7.0	7.0		6.9	6.8		6.5	6.5		---	---	
29	---	---		6.9	6.8		6.5	6.4		6.3	6.3	
30	---	---		7.0	6.8		6.4	6.4		6.3	6.3	
31	---	---		6.8	6.7		---	---		6.3	6.3	

02156500 BROAD RIVER NEAR CARLISLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1980 TO SEPTMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.3	6.3		---	---		6.6	6.4		6.6	6.4	
2	6.3	6.3		---	---		6.6	6.6		6.7	6.6	
3	6.3	6.3		---	---		6.6	6.5		6.8	6.7	
4	6.3	6.3		---	---		6.5	6.4		7.2	6.6	
5	6.3	6.3		---	---		6.5	6.3		6.7	6.5	
6	6.3	6.3		---	---		6.6	6.5		6.6	6.5	
7	6.3	6.3		6.3	6.3		6.6	6.5		6.7	6.6	
8	6.3	6.2		6.5	6.3		6.5	6.5		6.8	6.5	
9	6.3	6.2		6.5	6.4		---	---		6.7	6.5	
10	6.3	6.2		6.5	6.5		6.6	6.5		6.7	6.3	
11	6.3	6.3		6.5	6.4		6.5	6.5		6.5	6.3	
12	6.3	6.3		6.5	6.5		6.6	6.4		6.6	6.5	
13	6.3	6.2		6.5	6.4		6.7	6.5		6.6	6.5	
14	6.3	6.2		6.5	6.5		6.5	6.5		6.6	6.4	
15	6.4	6.3		6.5	6.5		6.5	6.5		6.7	6.5	
16	6.4	6.4		6.6	6.4		6.5	6.5		6.6	6.6	
17	6.5	6.3		6.5	6.4		6.6	6.5		6.7	6.6	
18	6.4	6.3		6.5	6.4		6.6	6.5		6.7	6.6	
19	6.4	6.3		6.5	6.4		6.6	6.6		6.8	6.6	
20	6.3	6.3		6.5	6.4		6.8	6.7		6.7	6.6	
21	---	---		6.5	6.4		6.8	6.7		6.7	6.5	
22	---	---		6.5	6.4		6.9	6.7		6.8	6.5	
23	---	---		6.5	6.5		6.9	6.7		6.7	6.6	
24	---	---		6.5	6.5		7.1	6.7		6.7	6.5	
25	---	---		6.5	6.5		7.1	6.6		6.7	6.5	
26	6.4	6.3		6.6	6.5		6.8	6.6		6.6	6.5	
27	6.4	6.4		6.6	6.2		6.7	6.5		6.6	6.5	
28	6.4	6.4		6.3	6.2		6.8	6.6		6.6	6.5	
29	6.5	6.4		6.3	6.3		6.6	6.6		6.7	6.4	
30	6.5	6.4		6.4	6.3		6.6	6.5		6.6	6.5	
31	---	---		6.4	6.4		6.6	6.5		---	---	
YEAR	7.9	6.0										

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19.5	18.0	19.0	14.0	13.0	13.5	11.5	8.0	9.5	8.5	6.5	7.5
2	20.5	19.0	19.5	14.0	13.0	13.5	12.0	9.5	10.5	8.0	6.5	7.0
3	21.5	19.0	20.0	14.0	13.0	13.5	11.5	9.5	10.5	7.5	5.5	6.5
4	---	---	---	14.0	13.0	13.5	11.0	9.0	10.0	6.5	4.5	5.5
5	---	---	---	14.0	13.0	13.5	10.0	7.0	8.5	5.0	3.0	4.0
6	---	---	---	13.5	13.0	13.0	8.0	7.0	7.5	4.5	3.0	3.5
7	---	---	---	---	---	---	8.0	7.0	7.5	4.5	3.5	4.0
8	18.5	17.0	17.5	---	---	---	9.0	7.5	8.0	7.0	3.0	4.0
9	19.0	16.5	18.0	---	---	---	10.0	8.5	9.5	4.5	3.0	3.5
10	20.0	17.5	18.5	16.0	14.5	15.5	11.0	10.0	11.0	4.5	2.5	3.5
11	21.0	18.0	19.5	15.0	13.5	14.5	11.5	10.5	11.0	4.0	2.0	3.0
12	20.5	18.0	19.0	14.0	12.5	13.0	10.5	9.5	10.0	3.0	1.0	2.0
13	19.0	17.5	18.5	13.5	11.5	12.0	10.0	8.5	9.0	4.0	1.0	2.5
14	---	---	---	12.5	11.5	12.0	9.0	7.5	8.5	4.5	2.5	3.5
15	---	---	---	12.5	12.0	12.0	8.5	7.0	7.5	6.0	3.5	4.5
16	18.5	17.5	18.0	13.0	12.5	12.5	8.0	7.5	7.5	6.0	3.5	5.0
17	19.0	17.5	18.5	12.5	12.0	12.5	8.0	7.5	7.5	6.0	4.0	5.0
18	19.5	18.5	19.0	12.0	11.0	12.0	8.0	6.5	7.5	6.0	3.0	4.0
19	20.0	19.5	20.0	11.0	10.0	10.5	8.5	7.0	7.5	6.0	3.0	4.0
20	20.0	19.0	19.5	10.5	9.0	9.5	8.0	7.0	7.5	4.5	3.5	4.0
21	19.0	18.0	18.5	10.0	8.5	9.0	7.0	5.5	6.5	---	---	---
22	18.0	17.0	17.5	9.5	8.0	9.0	5.5	4.5	5.0	7.0	6.5	7.0
23	17.0	16.0	16.5	9.5	9.0	9.0	5.0	4.5	4.5	8.0	5.5	7.0
24	16.0	15.0	15.5	10.0	9.0	9.5	5.5	4.5	5.0	9.5	5.5	7.5
25	15.5	14.0	14.5	12.0	10.0	11.0	5.5	4.0	5.0	12.0	7.5	9.5
26	14.5	13.0	13.5	11.5	11.0	11.0	4.0	3.0	3.5	12.0	8.0	10.0
27	14.0	13.0	13.5	10.5	10.0	10.5	3.5	3.0	3.0	10.0	8.0	9.0
28	14.0	13.5	13.5	10.0	9.5	10.0	4.5	3.0	3.5	11.0	9.0	10.0
29	14.5	13.5	14.0	10.0	8.5	9.5	6.0	4.5	5.5	12.5	8.5	10.5
30	14.0	13.5	14.0	10.0	8.0	9.0	7.0	6.0	6.5	11.5	9.0	10.0
31	14.0	13.5	13.5	---	---	---	8.0	7.0	7.5	9.5	7.0	8.5

02156500 BROAD RIVER NEAR CARLISLE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.0	6.5	8.0	14.0	11.5	13.0	18.0	16.5	17.0	23.5	21.5	22.5
2	10.0	7.5	9.0	16.0	13.0	14.5	17.5	16.0	16.5	23.0	20.5	21.5
3	9.0	7.5	8.5	15.0	12.5	14.0	18.0	15.5	17.0	22.0	19.0	20.5
4	8.5	6.0	7.0	15.0	13.0	14.0	18.0	16.5	17.5	22.0	18.5	20.5
5	7.5	5.0	6.5	15.5	12.5	14.0	17.5	17.0	17.5	22.5	19.5	21.0
6	---	---	---	13.0	11.5	12.5	17.5	15.5	16.5	22.5	20.5	21.5
7	---	---	---	13.0	10.5	12.0	17.0	15.5	16.0	21.5	20.0	21.0
8	---	---	---	12.5	10.0	11.5	17.5	15.5	16.5	20.0	19.0	19.5
9	6.5	5.0	5.5	13.0	9.5	11.0	18.0	17.0	17.5	20.0	19.0	19.5
10	7.0	5.5	6.5	13.0	9.0	11.0	19.5	17.0	18.0	20.5	19.5	19.5
11	---	---	---	12.5	9.5	11.0	20.5	18.5	19.5	21.5	20.0	20.5
12	---	---	---	12.5	9.5	11.5	21.5	19.5	20.5	21.5	19.0	20.0
13	6.0	5.5	6.0	13.0	10.0	11.5	22.5	20.5	21.5	21.5	19.5	20.5
14	8.0	5.5	6.5	13.5	11.0	12.0	22.0	20.5	21.0	22.0	20.0	21.0
15	9.5	6.5	8.0	14.0	10.5	12.0	22.0	20.0	21.0	22.5	20.5	21.5
16	12.0	8.5	10.0	14.5	12.0	13.0	21.0	19.0	20.0	22.5	20.0	21.0
17	13.5	10.0	11.0	14.5	10.5	12.5	20.0	18.5	19.0	22.5	21.0	21.5
18	12.5	10.5	11.5	13.5	12.0	12.5	20.5	18.0	19.5	23.5	21.0	22.0
19	13.5	12.5	13.0	13.0	11.5	12.0	21.0	19.0	20.0	23.5	21.5	22.5
20	15.0	12.5	14.0	13.0	10.0	11.5	22.0	20.0	21.0	22.5	20.5	21.0
21	16.0	13.0	14.5	12.5	10.0	11.5	21.0	20.0	20.5	21.0	19.5	20.0
22	15.5	13.0	14.5	11.5	9.5	10.5	---	---	---	21.5	19.0	20.0
23	15.0	12.0	14.0	9.5	9.0	9.5	19.5	19.0	19.5	22.0	19.5	21.0
24	13.5	11.5	12.0	11.5	8.5	10.0	21.0	19.0	20.0	23.5	20.0	22.0
25	13.0	10.5	11.5	12.5	9.5	11.0	20.5	18.5	19.5	24.5	21.0	23.0
26	13.0	10.5	11.5	13.5	11.0	12.5	20.5	18.0	19.5	24.0	22.5	23.5
27	12.5	10.5	11.5	12.0	10.0	11.0	22.0	18.5	20.5	23.5	23.0	23.0
28	12.5	10.5	11.5	---	---	---	23.0	19.5	21.5	---	---	---
29	---	---	---	---	---	---	23.0	20.5	22.0	23.5	22.5	23.0
30	---	---	---	17.0	16.0	16.5	23.5	21.0	22.5	24.0	21.5	23.0
31	---	---	---	17.5	15.5	16.5	---	---	---	25.0	23.0	24.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.0	24.5	24.5	---	---	---	26.0	24.0	24.5	28.0	27.0	27

02156500 BROAD RIVER NEAR CARLISLE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	9.3	9.0	9.1	9.8	9.5	9.6	9.6	8.1	9.0	10.5	9.6	9.9
2	9.3	8.4	8.9	9.9	9.6	9.8	9.1	8.7	8.9	10.8	10.0	10.3
3	9.8	7.9	8.5	10.0	9.7	9.8	9.0	8.6	8.8	11.2	10.5	10.7
4	---	---	---	9.8	9.6	9.7	9.2	8.8	9.0	11.8	10.9	11.4
5	---	---	---	9.8	9.3	9.5	11.1	9.4	10.2	12.4	11.3	11.7
6	---	---	---	9.6	9.5	9.6	11.1	10.8	11.0	12.3	11.4	11.8
7	---	---	---	---	---	---	11.0	10.8	10.9	11.9	11.2	11.6
8	9.0	8.8	8.9	---	---	---	10.9	10.5	10.7	12.1	10.8	11.5
9	8.9	8.6	8.7	---	---	---	10.5	9.9	10.2	11.8	10.8	11.2
10	8.6	8.3	8.4	8.7	8.2	8.5	9.9	9.4	9.5	12.2	11.2	11.6
11	8.3	8.0	8.1	8.7	8.1	8.3	9.5	9.0	9.3	12.4	11.3	11.9
12	8.4	8.0	8.2	9.0	8.3	8.6	9.7	9.2	9.5	12.6	11.8	12.1
13	8.5	8.2	8.3	9.4	8.5	8.9	10.1	9.7	9.9	12.5	11.5	12.0
14	---	---	---	9.2	8.7	9.0	10.5	10.2	10.3	12.2	11.3	11.8
15	---	---	---	9.0	8.8	8.9	11.0	10.5	10.7	12.0	11.3	11.5
16	9.4	8.9	9.1	8.9	8.2	8.5	11.0	10.5	10.7	12.1	11.3	11.7
17	9.4	8.5	9.0	9.1	8.0	8.6	11.1	10.4	10.7	12.1	11.7	11.9
18	8.9	8.1	8.5	9.1	8.9	9.0	10.8	10.3	10.5	12.5	12.3	12.4
19	8.4	7.8	8.1	9.5	9.1	9.3	10.8	10.1	10.4	12.9	11.1	12.2
20	8.0	7.8	7.9	10.3	9.5	9.8	10.6	10.1	10.3	11.4	10.8	11.1
21	8.6	8.0	8.2	10.5	10.0	10.3	10.9	10.3	10.5	---	---	---
22	8.7	8.4	8.5	10.8	10.6	10.7	11.3	10.2	10.7	11.5	9.9	10.7
23	8.9	8.6	8.7	10.9	10.6	10.8	11.0	10.2	10.6	10.7	9.4	10.0
24	9.4	9.0	9.2	10.7	10.2	10.5	11.0	10.5	10.8	10.1	7.6	8.8
25	9.6	9.1	9.3	10.3	8.8	9.5	11.3	10.6	10.9	11.5	7.3	9.4
26	9.8	9.2	9.5	8.9	8.6	8.8	11.4	10.8	11.1	11.6	7.3	9.4
27	10.0	9.5	9.7	9.5	9.3	9.4	12.0	11.2	11.5	11.4	8.9	10.2
28	9.8	9.4	9.5	9.5	9.3	9.4	11.8	11.3	11.5	10.3	8.2	9.2
29	9.6	9.3	9.4	9.7	9.2	9.5	11.5	10.7	11.1	11.5	7.5	9.5
30	9.6	9.3	9.4	9.8	9.3	9.5	11.0	9.9	10.5	10.2	7.3	8.8
31	9.7	9.4	9.5	---	---	---	10.6	9.6	10.0	10.9	8.0	9.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.9	8.5	10.2	10.4	9.6	10.0	8.7	7.8	8.1	5.0	3.6	4.1
2	11.2	7.2	9.2	10.0	8.4	9.4	9.7	9.4	9.5	5.3	3.6	4.3
3	11.7	7.6	9.6	9.5	7.8	8.6	8.5	7.1	7.9	5.6	3.7	4.4
4	---	---	---	8.4	8.0	8.2	8.4	7.2	7.8	7.1	3.8	4.9
5	---	---	---	8.8	7.9	8.3	8.1	7.5	7.8	6.4	4.1	4.9
6	---	---	---	9.4	8.7	9.1	9.2	6.8	8.1	4.9	4.1	4.4
7	---	---	---	9.6	8.7	9.1	7.2	5.7	6.2	4.3	3.8	4.1
8	---	---	---	9.9	8.9	9.4	6.6	5.9	6.2	4.9	4.2	4.5
9	12.4	10.3	11.4	9.8	9.1	9.5	6.3	5.8	6.0	5.1	4.6	4.9
10	10.6	10.1	10.4	10.2	9.3	9.8	6.7	6.0	6.4	4.9	4.5	4.7
11	---	---	---	10.2	9.5	9.8	6.7	6.1	6.4	5.2	4.3	4.7
12	---	---	---	9.9	8.5	9.2	6.6	6.1	6.4	5.4	4.7	5.0
13	11.5	10.4	11.0	9.9	9.0	9.5	7.0	6.2	6.6	6.3	4.9	5.6
14	11.0	10.2	10.6	9.9	9.3	9.6	---	---	---	5.6	4.8	5.2
15	10.4	9.5	10.1	10.2	9.1	9.6	---	---	---	5.9	4.6	5.0
16	9.9	8.7	9.4	10.1	8.6	9.3	7.8	7.2	7.3	6.4	4.9	5.3
17	9.7	8.5	9.0	11.0	8.6	9.5	---	---	---	7.1	5.3	6.0
18	9.2	8.4	8.8	10.2	8.9	9.4	---	---	---	6.6	5.0	5.6
19	8.7	8.0	8.4	10.6	8.3	9.6	---	---	---	6.4	5.0	5.6
20	8.5	7.7	8.1	10.0	8.1	8.8	8.1	7.0	7.5	6.0	5.2	5.5
21	8.2	7.1	7.8	9.4	7.9	8.4	7.4	6.9	7.2	6.3	5.6	6.0
22	8.1	7.4	7.6	8.9	7.7	8.0	---	---	---	6.6	6.2	6.4
23	9.3	7.5	8.3	9.5	7.8	8.2	6.8	4.2	5.5	6.7	5.9	6.3
24	9.9	9.2	9.5	9.6	8.1	8.6	5.6	4.9	5.2	6.4	5.7	6.0
25	9.9	9.2	9.5	9.0	7.8	8.4	6.6	5.7	6.0	6.6	5.5	6.0
26	9.7	9.5	9.6	9.7	7.5	8.5	7.6	6.4	6.9	6.1	5.4	5.7
27	10.1	9.8	10.0	9.9	8.7	9.3	8.7	6.4	7.6	6.0	5.6	5.7
28	10.5	10.0	10.2	---	---	---	7.4	5.3	6.3	---	---	---
29	---	---	---	---	---	---	5.4	4.4	5.1	6.7	5.9	6.3
30	---	---	---	8.0	6.9	7.5	5.2	3.7	4.5	6.1	5.4	5.8
31	---	---	---	8.3	7.2	7.7	---	---	---	5.5	5.4	5.5



02156500 BROAD RIVER NEAR CARLISLE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

[illegible]

02157000 NORTH TYGER RIVER NEAR FAIRMONT, S.C.

LOCATION.--Lat 34°55'45", long 82°02'40", Spartanburg County, Hydrologic Unit 03050107, on left bank 80 ft (24 m) downstream from Frey Creek, 2.2 mi (3.5 km) north of Fairmont, and at mile 57.9 (93.2 km).

DRAINAGE AREA.--44.4 mi<sup>2</sup> (115 km<sup>2</sup>).

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

GAGE.--Water-stage recorders and concrete control. Altitude of gage is 680 ft (207 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, Oct. 25 to Dec. 16, May 10-12, and June 4-26, which are poor.

AVERAGE DISCHARGE.--31 years, 66.2 ft<sup>3</sup>/s (1.875 m<sup>3</sup>/s), 20.25 in/yr (514 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,610 ft<sup>3</sup>/s (102 m<sup>3</sup>/s) May 26, 1959, gage height, 13.58 ft (4.139 m), from rating curve extended above 2,100 ft<sup>3</sup>/s (59.5 m<sup>3</sup>/s); minimum, 6.0 ft<sup>3</sup>/s (0.17 m<sup>3</sup>/s) Sept. 19, 20, 1954; minimum daily, 7.0 ft<sup>3</sup>/s (0.20 m<sup>3</sup>/s) Sept. 19, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 700 ft<sup>3</sup>/s (19.8 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s) (m <sup>3</sup> /s)		Gage height (ft) (m)	
June 3	0030	*493	14.0	*3.17	0.966

Minimum daily, 12 ft<sup>3</sup>/s (0.34 m<sup>3</sup>/s) July 15, 22, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	383	37	55	40	35	42	73	31	47	19	18	14
2	180	34	51	39	44	41	64	29	99	22	22	13
3	125	34	48	37	39	40	57	27	163	24	24	13
4	108	77	46	37	36	41	53	27	112	20	19	15
5	102	51	44	36	36	59	58	27	70	24	17	20
6	86	42	42	37	36	48	53	29	56	20	16	34
7	40	38	42	41	36	43	48	42	48	19	17	60
8	36	36	40	39	36	41	47	35	43	18	19	42
9	35	35	41	37	34	41	47	32	40	16	22	30
10	33	34	46	36	40	41	47	29	36	14	17	22
11	31	34	42	36	134	40	44	87	31	15	15	20
12	29	33	41	41	75	39	43	50	29	15	22	18
13	29	33	41	43	58	38	42	41	27	14	19	18
14	30	32	40	36	53	37	44	38	25	13	17	19
15	30	53	39	37	49	36	46	36	23	12	16	24
16	29	53	40	37	48	37	41	34	23	14	15	26
17	29	45	39	36	48	36	40	32	20	20	14	22
18	29	50	38	36	60	37	39	31	21	16	15	20
19	43	44	39	36	73	37	40	34	22	15	17	19
20	34	41	37	36	71	36	48	50	21	14	24	18
21	31	41	36	40	59	35	42	43	20	13	18	17
22	30	40	36	38	53	41	39	37	19	12	16	17
23	29	40	38	38	59	55	40	34	18	12	16	18
24	30	71	39	37	54	47	41	31	17	16	15	20
25	38	60	38	36	49	43	36	29	17	34	17	19
26	31	51	36	36	47	42	34	29	19	28	16	18
27	31	104	36	37	45	40	34	51	16	17	15	17
28	40	88	41	37	43	37	33	72	15	15	14	17
29	36	68	41	36	---	37	31	47	14	18	14	18
30	57	60	44	36	---	136	31	40	17	26	14	20
31	47	---	42	35	---	97	---	41	---	20	14	---
TOTAL	1841	1459	1278	1159	1450	1420	1335	1195	1128	555	534	648
MEAN	59.4	48.6	41.2	37.4	51.8	45.8	44.5	38.5	37.6	17.9	17.2	21.6
MAX	383	104	55	43	134	136	73	87	163	34	24	60
MIN	29	32	36	35	34	35	31	27	14	12	14	13
CFSM	1.34	1.10	.93	.84	1.17	1.03	1.00	.87	.85	.40	.39	.49
IN.	1.54	1.22	1.07	.97	1.21	1.19	1.12	1.00	.95	.46	.45	.54
CAL YR 1980	TOTAL	27137	MEAN 74.1	MAX 800	MIN 16	CFSM 1.67	IN 22.74					
WTR YR 1981	TOTAL	14002	MEAN 38.4	MAX 383	MIN 12	CFSM .87	IN 11.73					

## SANTEE RIVER BASIN

02160105 TYGER RIVER NFAR DELTA, S.C.

LOCATION.--Lat 34°32'07", long 81°32'54", Union County, Hydrologic Unit 03050107, on right bank at downstream side of bridge on State Highway 72 and 121, 0.9 mi (1.4 km) downstream from Seaboard Coast Line Railroad, 0.8 mi (1.3 km) southeast of Delta, and at mile 9.0 (14.5 km).

DRAINAGE AREA.--759 mi<sup>2</sup> (1,966 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 300 ft (91 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--8 years, 1,168 ft<sup>3</sup>/s (33.08 m<sup>3</sup>/s), 20.90 in/yr (531 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,300 ft<sup>3</sup>/s (858 m<sup>3</sup>/s) Oct. 11, 1976, gage height, 26.31 ft (8.019 m) (from floodmarks); minimum daily, 160 ft<sup>3</sup>/s (4.53 m<sup>3</sup>/s) Sept. 21-24, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 7,500 ft<sup>3</sup>/s (212 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s) (m <sup>3</sup> /s)		Gage height (ft) (m)	
Oct. 1	2300	*6,190	175	*13.55	4.130

Minimum daily, 160 ft<sup>3</sup>/s (4.53 m<sup>3</sup>/s) Sept. 21-24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5420	951	1160	738	607	852	1700	502	727	321	745	203
2	5310	794	1040	701	643	829	1340	484	723	360	749	195
3	3370	697	983	668	683	806	1080	470	1610	439	753	194
4	1790	783	943	654	686	783	955	459	1120	505	561	192
5	1200	1760	899	639	646	880	895	449	907	502	439	214
6	982	1400	872	622	629	999	880	452	768	557	376	288
7	870	1040	845	632	622	947	860	459	636	484	386	422
8	771	876	810	657	629	845	829	477	564	408	607	625
9	686	806	779	654	629	787	783	512	589	370	593	727
10	636	760	810	639	611	757	764	484	516	343	389	484
11	589	727	860	618	3210	742	745	473	466	324	340	337
12	540	705	829	586	3400	734	723	661	491	314	327	275
13	519	686	783	561	2140	719	693	745	516	306	324	241
14	487	672	753	636	1410	704	675	600	480	296	351	223
15	466	657	731	672	1150	694	683	526	428	278	324	210
16	449	783	723	643	1030	682	690	491	405	268	306	203
17	442	1090	716	632	959	668	668	463	360	290	303	197
18	456	1310	705	614	919	675	661	445	343	340	296	188
19	484	1170	686	611	1890	712	639	435	343	316	311	177
20	622	983	672	614	2990	683	654	442	348	283	311	166
21	614	876	657	629	2200	664	760	561	354	280	293	160
22	554	806	646	646	1440	675	705	646	360	278	273	160
23	494	760	643	654	1220	991	654	540	343	308	258	160
24	470	899	661	639	1140	1080	639	477	321	270	248	160
25	477	1290	672	625	1080	959	643	439	308	253	243	162
26	533	1250	661	622	991	845	607	412	296	248	241	162
27	578	1370	639	622	919	779	575	456	303	250	237	162
28	593	2340	636	622	880	738	554	582	327	253	225	162
29	646	1970	650	618	---	708	530	794	296	285	217	163
30	727	1430	679	611	---	814	516	749	285	303	207	163
31	943	---	731	611	---	1440	---	596	---	386	209	---
TOTAL	32718	31641	23874	19690	35353	25191	23100	16281	15533	10418	11442	7375
MEAN	1055	1055	770	635	1263	813	770	525	518	336	369	246
MAX	5420	2340	1160	738	3400	1440	1700	794	1610	557	753	727
MIN	442	657	636	561	607	664	516	412	285	248	207	160
CFSM	1.39	1.39	1.01	.84	1.66	1.07	1.01	.69	.68	.44	.49	.32
IN.	1.60	1.55	1.17	.97	1.73	1.23	1.13	.80	.76	.51	.56	.36

CAL YR 1980	TOTAL	461879	MEAN	1262	MAX	11300	MIN	262	CFSM	1.66	IN	22.64
WTR YR 1981	TOTAL	252616	MEAN	692	MAX	5420	MIN	160	CFSM	.91	IN	12.38

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1973 to current year.

pH: October 1973 to current year.

WATER TEMPERATURE: October 1973 to current year.

DISSOLVED OXYGEN: October 1973 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1973.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 217 micromhos Mar. 8, 1975; minimum, 13 micromhos Oct. 9, 10, 1976.

pH: Maximum, 7.9 units Dec. 21, 1979, Feb. 8-9, 1980; minimum, 5.9 units Mar. 14-16, 1975, Oct. 10, 1976.

WATER TEMPERATURE: Maximum, 32.0 July 21, 1981; minimum, 0.0°C Jan. 18, 19, 1977.

DISSOLVED OXYGEN: Maximum, 13.7 mg/l Feb. 20, 1979, Dec. 2, 1979; minimum, 3.4 mg/l Sept. 14, 15, 1981.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 209 micromhos July 28; minimum, 47 micromhos Feb. 11.

pH: Maximum, 7.6 units Oct. 11, Jan. 10, 14; minimum, 6.1 units Nov. 5.

WATER TEMPERATURE: Maximum, 32.0°C July 21; minimum, 0.5°C Jan. 11, 12.

DISSOLVED OXYGEN: Maximum, 12.7 mg/l Jan. 12-19; minimum, 3.4 mg/l Sept. 14, 15.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	54	51	52	103	98	100	80	77	78	96	84	92
2	58	52	55	102	99	101	78	76	77	99	96	98
3	62	58	60	103	101	102	85	77	79	104	99	102
4	66	62	64	100	88	93	95	86	92	106	103	104
5	72	66	69	86	66	71	101	95	99	107	103	105
6	74	72	73	90	87	88	107	101	105	102	90	95
7	76	72	74	97	90	94	110	107	108	89	86	88
8	84	71	76	105	97	102	110	101	107	104	86	97
9	95	85	91	112	106	109	100	93	97	115	104	110
10	104	95	101	113	109	111	95	91	93	118	113	115
11	107	102	105	109	100	104	107	97	104	118	114	117
12	112	106	108	100	97	98	112	107	111	116	111	113
13	113	106	110	114	97	107	113	110	112	111	100	105
14	106	98	102	118	114	116	112	108	110	104	94	99
15	97	94	95	120	116	118	109	104	108	115	94	105
16	111	93	101	124	119	122	103	93	98	120	113	116
17	120	111	116	121	94	109	93	90	92	117	115	116
18	127	121	123	94	85	90	110	92	104	122	116	119
19	127	122	125	92	84	86	114	110	113	119	111	115
20	125	110	116	104	93	99	117	112	115	111	99	104
21	114	99	106	108	104	106	120	115	118	98	95	97
22	98	90	94	112	106	110	118	112	116	112	96	106
23	112	90	102	116	113	115	112	99	105	116	110	114
24	124	112	118	116	97	109	99	94	96	118	116	117
25	125	122	123	96	82	88	100	95	98	121	116	119
26	127	124	125	91	83	85	96	91	94	123	120	121
27	126	119	123	93	81	84	91	88	90	120	102	110
28	118	98	105	80	72	74	89	86	88	101	96	99
29	98	89	93	79	75	77	88	84	86	114	96	106
30	106	89	100	80	79	79	85	83	85	120	115	118
31	104	100	102	---	---	---	85	83	84	123	120	121

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	125	120	123	102	100	102	75	68	72	116	111	114
2	125	119	122	107	98	104	74	72	72	121	116	119
3	120	99	109	97	89	92	83	75	79	123	121	122
4	99	93	95	89	86	88	89	83	86	133	122	127
5	118	95	109	102	89	98	94	89	92	127	111	121
6	123	118	121	104	102	103	94	84	90	110	98	103
7	128	122	125	106	104	105	84	79	82	117	97	103
8	129	127	128	106	105	106	81	75	78	122	118	120
9	128	123	126	109	102	106	92	82	89	126	122	124
10	122	94	110	101	92	96	100	93	98	128	126	127
11	88	47	56	93	90	91	105	99	103	131	128	130
12	74	58	67	111	94	106	107	103	106	133	131	132
13	76	74	76	114	111	113	110	99	105	135	88	121
14	83	77	79	119	114	116	98	86	93	105	90	101
15	85	83	85	118	114	117	86	84	85	111	106	109
16	88	85	86	118	114	116	107	87	100	118	111	115
17	89	84	87	112	96	103	108	104	106	122	119	120
18	87	85	86	96	93	95	108	106	107	123	119	121
19	88	62	75	110	94	105	112	106	109	123	105	116
20	69	64	65	117	110	114	108	99	104	104	96	99
21	80	66	73	122	117	120	98	90	95	120	95	105
22	86	80	83	126	114	121	89	84	85	120	110	114
23	87	80	84	113	102	108	103	86	97	111	109	110
24	80	78	79	101	87	93	111	103	107	---	---	---
25	90	78	82	94	86	89	117	111	114	---	---	---
26	98	90	95	102	93	97	116	113	115	---	---	---
27	100	98	99	100	93	97	116	111	113	---	---	---
28	103	99	102	104	99	102	113	96	103	94	87	90
29	---	---	---	105	102	104	105	100	102	107	87	99
30	---	---	---	105	93	101	111	106	108	103	87	91
31	---	---	---	92	66	76	---	---	---	98	88	93
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	---	---	---	132	112	121	140	152	153	---	---	---
2	---	---	---	116	107	112	153	138	141	---	---	---
3	---	---	---	108	100	105	149	137	142	---	---	---
4	---	---	---	103	98	100	152	147	150	181	167	174
5	---	---	---	101	91	97	155	152	154	190	176	185
6	---	---	---	92	81	85	164	155	158	201	188	193
7	---	---	---	92	85	87	178	165	172	194	150	170
8	---	---	---	93	86	91	165	139	149	149	115	129
9	104	89	95	106	92	97	153	133	138	116	89	101
10	92	89	90	136	107	123	146	132	138	97	89	92
11	115	90	102	149	136	144	161	145	151	120	97	108
12	119	110	114	156	143	151	154	144	151	136	121	127
13	125	119	122	158	151	155	142	133	137	148	136	143
14	127	126	127	158	150	153	164	133	152	157	148	153
15	---	---	---	150	136	141	161	151	154	165	156	162
16	---	---	---	136	131	133	160	149	154	168	165	167
17	---	---	---	155	134	148	164	154	160	165	148	155
18	---	---	---	161	155	158	173	161	167	173	149	161
19	---	---	---	175	162	170	166	154	160	179	171	175
20	---	---	---	170	157	163	152	140	145	184	178	180
21	---	---	---	184	172	178	164	140	154	185	178	181
22	---	---	---	181	162	168	174	159	157	181	174	178
23	154	138	147	165	150	156	177	168	174	182	175	179
24	137	128	132	173	154	167	187	175	179	174	154	163
25	129	125	127	184	170	179	194	188	190	171	153	161
26	153	129	144	192	167	185	195	183	187	189	172	183
27	168	152	161	199	185	192	182	160	170	196	166	192
28	167	150	162	209	197	202	178	154	162	199	159	195
29	151	145	149	198	162	184	182	178	180	202	195	199
30	144	133	139	166	151	158	187	182	184	195	180	188
31	---	---	---	135	155	174	186	186	186	---	---	---
YEAR	209	62	116									



02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.5	6.4		7.2	6.7		7.2	7.1		7.2	7.2	
2	6.5	6.3		7.2	6.7		7.2	7.1		7.3	7.2	
3	6.8	6.3		7.0	6.7		7.2	7.1		7.4	7.3	
4	6.9	6.5		7.0	6.4		7.3	7.2		7.4	7.3	
5	6.9	6.7		6.7	6.1		7.4	7.2		7.5	7.4	
6	7.1	6.8		7.3	7.1		7.4	7.2		7.5	7.4	
7	7.2	6.8		7.5	7.1		7.3	7.2		7.5	7.3	
8	7.3	6.9		7.1	7.0		7.3	7.2		7.5	7.4	
9	7.5	7.0		7.1	7.0		7.2	7.1		7.5	7.4	
10	7.5	7.1		7.0	7.0		7.1	7.0		7.6	7.4	
11	7.6	7.1		7.2	7.0		7.2	7.0		7.6	7.4	
12	7.4	7.0		7.3	7.2		7.3	7.2		7.6	7.5	
13	7.3	7.0		7.4	7.2		7.3	7.2		7.6	7.4	
14	7.3	7.0		7.3	7.1		7.3	7.2		7.6	7.4	
15	7.4	6.9		7.1	7.0		7.4	7.2		7.5	7.3	
16	7.3	6.9		7.0	7.0		7.2	7.2		7.5	7.3	
17	7.4	7.0		7.1	7.0		7.3	7.2		7.5	7.4	
18	7.2	7.0		7.1	7.0		7.3	7.2		7.5	7.4	
19	7.3	7.0		7.3	7.1		7.3	7.2		7.5	7.3	
20	7.2	6.9		7.4	7.2		7.3	7.2		7.5	7.3	
21	7.3	6.9		7.5	7.2		7.4	7.3		7.3	7.2	
22	7.3	6.9		7.5	7.3		7.5	7.4		7.2	7.2	
23	7.1	6.9		7.3	7.3		7.5	7.4		7.3	7.2	
24	7.1	7.0		7.3	7.1		7.3	7.2		7.3	7.2	
25	7.2	7.0		7.1	7.0		7.4	7.2		7.3	7.2	
26	7.3	6.9		7.1	7.1		7.5	7.4		7.3	7.2	
27	7.3	6.9		7.1	7.0		7.5	7.4		7.2	7.1	
28	7.1	7.0		7.0	6.9		7.4	7.2		7.1	7.0	
29	7.1	6.9		7.1	6.9		7.2	7.1		7.1	7.1	
30	7.0	6.9		7.2	7.0		7.1	7.1		7.2	7.1	
31	7.1	6.8		---	---		7.2	7.1		7.3	7.2	

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	7.4	7.3		6.9	6.8		6.8	6.7		6.7	6.6	
2	7.3	7.2		6.8	6.8		6.8	6.7		6.7	6.7	
3	7.4	7.3		6.9	6.8		6.9	6.8		6.8	6.7	
4	7.4	7.2		6.9	6.8		6.9	6.8		7.1	6.7	
5	7.4	7.3		6.9	6.9		6.9	6.9		7.2	7.0	
6	7.4	7.3		6.9	6.9		6.9	6.8		7.2	6.9	
7	7.4	7.3		6.9	6.9		6.9	6.9		7.0	6.9	
8	7.3	7.2		7.0	6.9		7.0	6.9		7.1	6.9	
9	7.3	7.2		7.0	6.9		6.9	6.9		6.9	6.8	
10	7.3	7.1		7.0	6.9		7.0	6.9		6.8	6.7	
11	7.0	6.2		7.0	6.9		7.0	6.9		6.7	6.7	
12	6.8	6.6		7.0	6.9		7.0	6.9		6.8	6.7	
13	6.9	6.8		7.0	6.9		7.0	6.8		6.9	6.7	
14	7.0	6.9		6.9	6.9		6.9	6.8		6.8	6.8	
15	7.0	6.9		7.0	6.9		6.9	6.8		6.8	6.8	
16	7.0	6.9		6.9	6.9		6.9	6.9		6.9	6.8	
17	6.9	6.8		7.0	6.9		6.9	6.9		6.8	6.8	
18	6.8	6.8		6.9	6.9		7.0	6.9		6.8	6.8	
19	6.8	6.4		6.9	6.9		6.9	6.9		6.8	6.8	
20	6.5	6.5		7.0	6.9		6.9	6.8		6.9	6.8	
21	6.6	6.4		7.0	6.9		6.8	6.8		6.9	6.8	
22	6.7	6.6		7.0	6.9		6.8	6.8		6.8	6.7	
23	6.7	6.7		6.9	6.9		6.9	6.8		6.8	6.8	
24	6.8	6.7		6.9	6.8		6.8	6.8		---	---	
25	6.8	6.8		6.9	6.8		6.9	6.8		---	---	
26	6.9	6.8		7.0	6.8		6.9	6.8		---	---	
27	6.9	6.8		7.1	7.0		6.8	6.8		---	---	
28	6.9	6.9		7.1	7.0		6.8	6.7		6.9	6.8	
29	---	---		7.1	7.0		6.8	6.7		6.8	6.8	
30	---	---		7.1	7.0		6.7	6.6		6.8	6.7	
31	---	---		7.0	6.8		---	---		6.8	6.7	

## SANTEE RIVER BASIN

02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	---	---		7.1	7.0		7.0	6.7		---	---	
2	---	---		7.0	7.0		6.7	6.6		---	---	
3	---	---		7.0	6.9		6.7	6.4		---	---	
4	---	---		7.0	6.9		6.6	6.4		7.2	7.0	
5	---	---		6.9	6.8		6.6	6.4		7.1	7.0	
6	---	---		6.8	6.7		6.6	6.4		7.0	7.0	
7	---	---		6.8	6.8		6.7	6.6		6.9	6.6	
8	---	---		6.8	6.8		6.7	6.6		6.6	6.5	
9	6.8	6.8		6.8	6.8		6.7	6.6		6.5	6.5	
10	6.8	6.7		7.0	6.8		7.0	6.7		6.5	6.5	
11	6.8	6.7		7.0	7.0		7.0	6.9		6.6	6.5	
12	6.8	6.8		7.1	7.0		7.0	7.0		6.6	6.6	
13	6.8	6.8		7.1	7.0		7.0	7.0		6.6	6.6	
14	6.8	6.8		7.1	7.0		7.1	7.0		6.6	6.6	
15	---	---		7.1	7.1		7.1	7.0		6.6	6.5	
16	---	---		7.1	7.0		7.1	7.0		6.6	6.4	
17	---	---		7.1	7.1		7.1	7.0		6.6	6.5	
18	---	---		7.1	7.0		7.1	7.0		7.1	6.5	
19	---	---		7.1	7.1		7.1	7.1		7.2	7.0	
20	---	---		7.1	7.1		7.1	7.0		7.2	7.1	
21	---	---		7.1	7.1		7.1	7.0		7.2	7.0	
22	---	---		7.1	7.1		7.1	7.0		7.1	6.9	
23	7.1	7.1		7.1	7.1		7.1	7.0		7.1	7.1	
24	7.1	7.0		7.1	7.1		7.1	7.0		7.1	7.1	
25	7.0	7.0		7.1	7.0		7.1	7.0		7.1	7.1	
26	7.1	7.0		7.2	7.0		7.1	7.1		7.2	7.1	
27	7.1	7.1		7.1	7.1		7.1	7.1		7.2	7.1	
28	7.1	7.1		7.1	7.1		7.1	7.0		7.1	7.1	
29	7.1	7.1		7.1	7.0		7.1	7.1		7.1	7.1	
30	7.1	7.1		7.1	7.0		---	---		7.1	7.0	
31	---	---		7.1	7.0		7.2	7.1		---	---	
YEAR	7.6	6.1										

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	18.5	17.5	18.0	14.0	11.5	12.5	8.5	6.5	7.5	8.0	6.5	7.5
2	19.0	18.0	18.5	13.5	11.0	12.0	9.5	7.0	8.5	7.0	6.0	6.5
3	20.0	18.5	19.0	13.0	11.0	12.0	9.0	8.0	8.5	6.5	4.5	5.5
4	18.5	17.0	18.0	14.0	12.5	13.0	8.0	7.0	7.5	6.0	4.5	5.5
5	17.5	15.5	17.0	13.0	12.0	12.5	8.0	6.0	7.0	4.0	2.5	3.5
6	17.0	15.0	16.0	12.5	12.0	12.5	8.0	6.0	7.0	3.5	2.0	3.0
7	16.5	14.0	15.5	12.5	10.5	11.5	9.0	7.0	8.0	5.0	3.5	4.5
8	16.5	14.0	15.5	14.5	12.0	13.0	10.0	7.5	9.0	4.5	3.0	4.0
9	18.0	15.0	16.5	16.0	13.5	14.5	12.5	9.0	10.5	4.0	2.5	3.0
10	19.0	16.0	17.5	16.5	14.5	15.5	13.0	12.0	12.5	3.5	2.0	3.0
11	20.0	17.0	18.5	15.0	12.5	13.5	12.5	10.0	11.0	2.5	.5	2.0
12	18.5	16.0	17.5	12.0	10.5	11.5	9.5	8.5	9.0	2.0	.5	1.0
13	16.5	14.5	15.5	11.5	9.5	10.5	9.5	7.5	8.5	2.5	1.0	1.5
14	15.5	12.5	14.0	12.0	10.0	11.0	9.0	7.5	8.0	3.0	1.5	2.0
15	16.0	12.5	14.0	13.5	12.0	12.5	7.5	6.5	7.0	4.5	2.0	3.5
16	17.0	13.5	15.5	14.0	13.5	13.5	9.0	7.0	8.0	5.0	3.0	4.0
17	18.5	15.5	17.0	13.5	11.5	12.5	9.5	8.5	9.0	4.0	2.5	3.5
18	19.5	17.0	18.5	11.5	10.5	11.0	9.0	7.0	8.0	4.0	1.5	2.5
19	20.5	19.0	19.5	10.5	9.0	9.5	9.5	7.0	8.5	4.5	2.0	3.0
20	19.0	16.5	18.0	9.0	7.5	8.5	9.0	7.5	8.5	5.0	3.5	4.0
21	17.0	15.0	16.0	8.5	7.0	8.0	7.5	5.0	6.0	6.5	5.0	5.5
22	16.5	14.5	15.5	8.0	6.5	7.5	4.5	3.5	4.0	8.0	6.5	7.0
23	15.0	14.0	14.5	9.0	8.0	8.5	5.5	4.0	4.5	8.0	6.0	7.0
24	14.5	13.5	14.0	10.0	9.0	9.5	7.5	5.5	6.5	7.5	5.0	6.5
25	14.5	12.5	13.5	11.5	10.0	10.5	7.0	4.5	6.0	7.5	4.5	6.0
26	13.5	11.0	12.0	10.0	9.0	9.5	4.5	3.5	4.0	8.0	5.0	7.0
27	13.5	11.0	12.0	9.0	8.5	9.0	4.0	3.0	3.5	9.5	7.0	8.5
28	14.0	12.5	13.0	9.0	8.5	8.5	6.0	3.5	5.0	10.5	8.5	9.5
29	14.5	13.5	14.0	8.5	7.5	8.0	8.5	6.0	7.5	9.5	7.0	8.5
30	14.0	13.0	13.5	8.0	6.5	7.5	9.0	8.5	8.5	9.0	6.5	8.0
31	14.0	12.5	13.0	---	---	---	8.5	8.0	8.5	6.0	4.0	5.0

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	4.5	3.5	4.0	14.5	12.0	13.0	18.0	16.5	17.0	22.5	21.5	22.0
2	6.5	5.0	5.5	16.0	13.5	15.0	18.0	15.5	17.0	22.0	20.0	21.5
3	5.0	3.5	4.0	14.0	12.0	13.0	18.0	15.0	17.0	21.5	17.0	20.0
4	4.0	2.0	3.0	12.5	11.0	11.5	18.5	16.0	17.0	20.5	17.5	19.5
5	3.5	1.5	2.5	13.5	11.0	12.0	17.5	16.0	17.0	20.0	18.0	19.0
6	4.0	2.5	3.0	12.5	11.0	12.0	17.0	14.5	16.0	22.0	20.0	21.0
7	4.0	3.0	3.5	12.5	10.0	11.5	16.5	14.0	15.5	20.5	17.0	19.0
8	7.0	4.0	5.5	11.5	9.5	10.5	18.0	14.5	16.0	21.5	16.5	19.5
9	6.0	4.0	5.5	11.5	9.0	10.0	18.0	16.5	17.0	22.0	20.5	21.0
10	6.5	5.0	6.0	11.5	9.0	10.5	19.5	16.0	18.0	22.5	22.0	22.0
11	8.5	6.5	7.5	11.5	9.0	10.5	21.0	18.0	19.5	22.0	21.5	21.5
12	6.5	4.5	5.5	12.0	9.0	10.5	22.5	19.0	21.0	21.5	18.5	20.5
13	4.5	3.0	4.0	12.5	9.5	11.0	23.0	20.0	22.0	21.0	18.0	20.0
14	6.0	4.0	5.0	13.0	10.0	11.5	22.0	20.0	21.0	21.0	17.5	19.5
15	7.5	5.0	6.5	12.5	9.5	11.5	21.0	19.0	20.0	22.0	19.5	20.5
16	10.0	7.0	8.5	13.0	11.0	12.0	19.5	16.5	18.5	20.5	18.0	19.5
17	11.5	9.0	10.0	12.5	9.0	11.0	18.5	17.0	18.0	21.0	18.5	20.0
18	12.0	10.5	11.5	12.0	10.5	11.5	21.0	17.0	19.5	23.0	19.0	21.0
19	12.0	11.5	12.0	12.0	10.0	11.0	21.5	19.0	20.5	23.0	20.5	21.5
20	13.0	11.5	12.0	11.5	9.0	10.5	21.0	20.0	20.5	21.0	17.0	19.0
21	12.5	11.0	12.0	10.5	8.5	10.0	20.5	18.5	19.5	20.0	16.5	18.0
22	12.0	10.5	11.5	10.0	8.0	9.0	18.5	17.5	18.0	20.5	16.5	19.0
23	12.5	11.5	12.0	8.0	7.5	8.0	20.0	17.5	18.5	20.0	18.0	19.0
24	12.0	10.5	11.0	10.5	7.5	9.0	21.5	19.0	20.0	---	---	---
25	11.5	9.5	10.5	12.5	9.0	10.5	20.5	17.5	19.0	---	---	---
26	12.5	9.5	11.0	13.5	10.5	12.0	21.5	17.0	19.0	---	---	---
27	12.0	9.5	11.0	15.5	11.5	14.0	24.0	18.5	21.5	---	---	---
28	12.5	9.5	11.0	16.0	13.0	14.5	29.5	19.5	25.0	22.5	21.0	21.5
29	---	---	---	15.0	13.0	14.5	28.5	21.5	23.5	23.0	20.0	21.5
30	---	---	---	17.5	14.5	16.0	22.0	21.0	21.5	24.5	21.0	23.0
31	---	---	---	18.0	15.0	16.5	---	---	---	26.0	22.5	24.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	---	---	---	27.5	24.0	25.5	23.0	22.0	22.5	---	---	---
2	---	---	---	24.5	24.0	24.0	23.5	22.5	23.0	---	---	---
3	---	---	---	25.0	23.5	24.0	25.5	23.0	24.0	---	---	---
4	---	---	---	27.0	23.5	25.0	27.5	24.5	26.0	32.5	25.5	26.5
5	---	---	---	28.0	25.0	26.5	29.0	25.5	27.0	25.5	24.0	25.0
6	---	---	---	28.0	26.0	26.5	28.5	26.5	27.5	26.5	24.0	25.5
7	---	---	---	27.5	25.5	26.5	29.0	26.0	27.5	25.5	24.0	25.0
8	---	---	---	29.5	25.5	27.5	27.0	25.0	26.0	25.5	24.5	25.0
9	28.0	26.5	27.5	30.5	26.5	28.5	27.5	25.5	26.5	25.0	24.0	24.5
10	29.0	26.0	27.5	31.0	27.5	29.0	28.5	26.0	27.0	24.0	22.5	23.5
11	30.0	27.0	28.0	31.5	27.5	29.0	29.5	26.0	27.5	24.5	22.0	23.0
12	28.0	26.5	27.0	31.0	27.0	29.0	28.5	25.5	27.0	24.5	22.5	23.5
13	28.5	26.0	27.5	31.0	27.0	29.0	29.0	25.5	27.0	25.0	22.5	23.5
14	27.0	26.5	27.0	31.5	27.5	29.5	28.5	25.5	27.0	25.0	22.5	24.0
15	---	---	---	31.0	27.5	29.0	29.5	26.0	28.0	25.5	23.5	24.5
16	---	---	---	31.0	27.5	28.5	29.0	26.5	28.0	25.5	24.0	25.0
17	---	---	---	30.5	26.5	28.5	27.0	24.5	26.0	24.5	23.5	24.0
18	---	---	---	29.0	27.0	28.0	26.0	24.0	25.0	23.5	20.5	22.5
19	---	---	---	29.0	26.5	28.0	24.0	22.5	23.0	22.0	18.0	20.0
20	---	---	---	30.5	26.5	28.5	25.0	21.5	23.5	21.0	16.5	19.0
21	---	---	---	32.0	27.5	29.5	25.0	22.0	23.0	21.0	16.5	19.0
22	---	---	---	30.5	26.0	28.5	25.0	21.0	23.0	22.5	17.5	19.5
23	31.5	29.0	30.5	30.0	26.5	28.0	25.0	21.5	23.0	22.0	18.0	20.0
24	31.5	28.0	29.5	30.5	26.5	28.5	27.0	23.5	25.0	21.0	16.0	18.5
25	31.5	27.0	29.5	30.5	27.0	28.5	27.0	23.0	25.0	21.0	16.0	18.5
26	30.5	27.5	29.0	30.5	27.0	28.0	27.0	23.0	25.0	21.0	16.0	18.5
27	29.5	25.5	27.5	31.0	26.0	28.5	26.5	22.5	24.5	22.0	16.5	19.0
28	28.5	25.0	26.5	31.0	27.0	29.0	26.5	22.0	24.5	22.5	18.0	20.0
29	28.5	23.5	26.0	29.5	27.0	28.0	24.5	24.5	24.5	21.0	17.0	19.0
30	27.0	23.5	25.5	27.0	23.0	25.0	---	---	---	22.0	17.5	19.5
31	---	---	---	23.0	22.0	22.5	28.0	27.0	27.5	---	---	---
YEAR	32.1	.5	16.0									

## 02160105 TYGER RIVER NEAR DELTA, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.3	7.9	8.1	10.0	9.8	9.9	9.9	9.1	9.7	10.4	9.6	10.0
2	7.9	7.8	7.8	10.0	9.9	10.0	9.4	8.8	9.1	10.6	9.9	10.3
3	5.9	5.7	5.8	10.3	9.7	10.1	9.1	8.6	8.9	10.3	10.1	10.7
4	6.8	6.3	6.6	9.7	9.2	9.5	8.9	8.4	8.6	10.1	10.3	10.6
5	7.7	7.3	7.5	9.2	8.9	9.0	9.2	8.4	8.8	10.4	10.8	11.1
6	8.4	8.1	8.3	9.3	9.0	9.1	9.3	8.9	9.1	10.5	11.3	11.6
7	9.1	8.9	9.0	9.4	8.9	9.2	9.1	8.6	8.9	11.5	10.9	11.3
8	10.1	9.5	9.7	9.2	8.5	8.8	8.9	8.5	8.7	11.5	11.0	11.3
9	10.2	9.8	10.0	8.9	8.2	8.5	8.7	8.2	8.5	11.9	11.4	11.7
10	9.9	9.5	9.7	8.5	7.9	8.2	8.3	7.5	7.9	12.0	11.6	11.9
11	9.6	9.2	9.4	8.8	8.4	8.7	8.1	7.6	7.8	12.5	12.1	12.3
12	9.5	9.2	9.4	9.6	9.2	9.4	9.3	9.1	9.4	12.7	12.2	12.4
13	10.1	9.5	9.9	9.9	9.6	9.8	9.9	10.2	9.0	12.6	12.3	12.5
14	10.6	10.1	10.4	10.0	9.5	9.8	10.3	11.1	9.7	12.5	12.2	12.3
15	10.7	10.4	10.5	9.8	9.1	9.5	11.5	11.1	10.1	12.4	11.3	11.9
16	10.5	10.0	10.3	9.4	8.9	9.2	11.2	9.9	11.1	11.8	11.3	11.5
17	10.0	9.4	9.7	9.2	8.9	9.1	10.0	9.8	9.9	11.9	11.3	11.7
18	9.4	8.9	9.2	9.4	9.0	9.2	10.4	9.8	10.1	12.2	11.7	12.0
19	8.9	8.5	8.7	10.2	9.3	9.9	10.2	9.9	10.1	12.1	10.8	11.8
20	8.8	8.4	8.7	10.5	9.9	10.3	10.0	9.7	9.8	11.8	11.3	11.7
21	9.3	8.8	9.2	10.7	10.3	10.5	10.7	9.8	10.4	11.5	10.9	11.2
22	9.7	9.4	9.6	10.9	10.5	10.7	11.3	10.5	10.8	10.9	10.2	10.7
23	9.8	9.6	9.7	10.6	10.1	10.4	10.8	10.0	10.5	10.6	10.2	10.4
24	9.8	9.7	9.7	10.1	9.5	9.8	10.4	9.7	10.1	10.7	10.3	10.5
25	9.8	9.5	9.6	9.5	8.3	9.0	10.3	9.7	10.0	10.9	10.4	10.6
26	10.0	9.6	9.9	9.0	8.6	8.8	11.2	10.6	10.9	11.2	10.3	10.7
27	10.2	9.9	10.0	9.2	8.8	9.0	11.5	11.2	11.4	10.3	9.6	10.1
28	9.9	9.5	9.8	9.2	8.9	9.0	11.7	10.8	11.3	10.1	9.5	9.8
29	9.7	9.5	9.6	9.4	9.0	9.2	11.1	10.1	10.6	10.4	9.8	10.1
30	9.7	9.6	9.6	9.7	9.2	9.5	10.4	9.9	10.1	10.5	10.0	10.2
31	9.9	9.7	9.8	---	---	---	10.3	9.7	10.0	11.5	10.6	11.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.9	11.5	11.7	7.6	6.6	7.1	7.5	7.1	7.3	---	---	---
2	11.8	11.2	11.5	7.4	7.2	7.3	8.1	7.2	7.6	---	---	---
3	11.8	11.3	11.5	8.2	7.4	7.9	8.3	7.3	7.9	---	---	---
4	12.2	11.5	11.8	8.6	8.1	8.4	8.4	7.6	8.0	---	---	---
5	12.1	11.7	11.9	8.6	8.1	8.3	8.5	7.6	8.1	---	---	---
6	11.9	11.4	11.7	8.6	8.2	8.4	9.0	7.8	8.4	7.7	6.9	7.3
7	11.7	11.2	11.5	8.8	8.3	8.5	8.7	7.9	8.3	7.1	6.8	7.0
8	11.6	10.6	11.1	9.0	8.4	8.7	8.4	7.5	8.0	---	---	---
9	11.2	10.7	10.9	9.2	8.7	8.9	7.9	7.5	7.7	---	---	---
10	11.1	10.5	10.9	9.3	8.9	9.0	8.5	7.7	8.0	---	---	---
11	10.4	9.6	9.9	9.4	8.7	9.0	8.0	7.2	7.8	---	---	---
12	10.9	10.0	10.5	9.3	8.5	8.9	7.7	7.1	7.4	---	---	---
13	11.1	10.6	10.8	8.8	8.3	8.6	7.9	7.0	7.4	7.2	6.0	6.9
14	10.5	9.8	10.3	8.7	8.3	8.5	7.4	6.6	7.1	8.4	6.9	6.4
15	9.9	9.4	9.7	8.9	8.3	8.6	8.0	6.6	7.2	5.1	5.2	5.7
16	9.9	9.4	9.7	8.8	8.2	8.4	7.0	6.6	6.8	5.5	5.1	5.3
17	9.4	9.1	9.3	8.9	8.4	8.7	6.8	6.5	6.7	5.3	5.1	5.2
18	9.3	8.7	9.1	8.7	8.4	8.6	7.1	6.2	6.6	5.4	5.0	5.2
19	8.9	8.1	8.5	8.8	8.4	8.6	6.2	5.3	5.7	6.3	5.1	5.7
20	8.3	7.6	8.0	8.9	8.5	8.8	7.9	7.5	7.7	7.5	6.7	7.2
21	8.0	7.7	7.8	9.2	8.8	9.0	8.3	7.6	8.0	7.8	6.7	7.4
22	8.0	7.6	7.8	9.7	8.8	9.3	6.9	6.4	6.3	7.4	6.2	6.8
23	8.0	7.7	7.9	10.7	9.6	10.2	8.7	8.2	8.5	8.5	7.3	8.9
24	8.5	7.8	8.1	10.8	9.9	10.4	8.4	7.7	8.1	---	---	---
25	8.4	7.8	8.1	10.6	9.9	10.3	8.6	8.1	8.4	---	---	---
26	8.2	7.6	7.9	10.3	9.1	9.8	9.1	7.7	8.4	---	---	---
27	8.1	7.6	7.8	9.6	8.5	9.2	9.4	7.5	8.2	---	---	---
28	8.0	7.4	7.7	9.1	8.4	8.9	8.9	7.2	8.1	8.2	7.6	8.4
29	---	---	---	8.9	8.0	8.7	---	---	---	5.9	5.6	5.7
30	---	---	---	8.5	7.3	8.0	---	---	---	6.7	5.3	5.9
31	---	---	---	7.9	7.2	7.7	---	---	---	5.3	4.8	5.3

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

[illegible]



02160700 ENOREE RIVER AT WHITMIRE, S.C.

LOCATION.--Lat 34°30'33", long 81°35'54", Union County, Hydrologic Unit 03050108, on left bank at upstream side of bridge on U.S. Highway 176, 0.4 mi (0.6 km) downstream from Seaboard Coast Line Railroad, 0.5 mi (0.8 km) northeast of Whitmire, and at mile 19.2 (30.9 km).

DRAINAGE AREA.--444 mi<sup>2</sup> (1,150 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft (91.440 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--8 years, 610 ft<sup>3</sup>/s (17.28 m<sup>3</sup>/s), 18.66 in/yr (474 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,700 ft<sup>3</sup>/s (558 m<sup>3</sup>/s) Oct. 10, 1976, gage height 32.58 ft (9.930 m); minimum, 108 ft<sup>3</sup>/s (3.06 m<sup>3</sup>/s) Sept. 17, 1980, gage height, 14.50 ft (4.420 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft<sup>3</sup>/s (113 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s) (m <sup>3</sup> /s)	Gage height (ft) (m)
Oct. 2	0100	*2,510 71.1	*21.54 6.565

Minimum discharge, 61 ft<sup>3</sup>/s (1.73 m<sup>3</sup>/s) Sept. 4, gage height, 14.04 ft (4.279 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2370	587	622	369	299	465	836	264	382	112	262	79
2	2310	475	548	379	319	453	597	255	269	124	226	77
3	1290	404	512	355	340	435	505	246	266	158	184	73
4	713	377	487	340	348	426	458	242	273	248	176	94
5	543	791	460	336	321	460	440	242	316	231	152	97
6	463	827	443	333	309	535	435	239	299	208	129	210
7	418	563	430	326	307	495	440	239	262	178	140	316
8	387	472	421	326	307	440	416	239	239	162	331	571
9	362	435	413	326	311	418	401	242	219	140	184	453
10	350	411	409	328	324	406	394	244	215	133	170	307
11	328	392	426	328	1940	399	392	239	206	123	131	213
12	311	377	443	319	1800	389	379	394	266	117	142	193
13	292	369	426	316	970	382	367	404	239	111	176	197
14	280	355	404	310	676	374	367	297	197	111	170	182
15	278	350	394	340	579	367	367	266	184	111	139	140
16	273	355	384	330	530	365	362	253	176	108	135	142
17	273	568	379	320	495	362	352	242	154	103	148	137
18	273	606	379	310	485	360	333	233	146	103	123	109
19	273	589	369	302	1060	382	340	226	146	111	118	85
20	331	530	362	302	1400	377	367	226	146	105	121	80
21	379	465	357	316	973	365	472	244	174	97	118	79
22	328	433	352	320	736	365	406	280	158	96	111	79
23	292	413	340	326	643	522	360	257	142	112	105	77
24	280	401	340	321	622	568	343	226	131	97	99	74
25	273	530	343	314	589	487	340	213	124	89	97	74
26	283	641	345	311	532	428	324	202	121	103	85	74
27	324	566	340	309	502	404	302	222	118	123	85	72
28	324	919	331	307	477	387	287	338	112	135	84	72
29	345	1070	331	307	---	374	278	470	111	182	80	72
30	394	774	338	299	---	411	269	331	109	129	79	70
31	458	---	350	299	---	794	---	266	---	124	79	---
TOTAL	15798	16045	12478	10024	18194	13395	11929	8281	5900	4084	4379	4498
MEAN	510	535	403	323	650	432	398	267	197	132	141	150
MAX	2370	1070	622	379	1940	794	836	470	382	248	331	571
MIN	273	350	331	299	299	360	269	202	109	89	79	70
CAL YR 1980	TOTAL	244482	MEAN 668	MAX 6170	MIN 116							
WTR YR 1981	TOTAL	125005	MEAN 342	MAX 2370	MIN 70							

## SANTÉE RIVER BASIN

101

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

## WATER-QUALITY RECORDS

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

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1973 to current year.

pH: October 1973 to current year.

WATER TEMPERATURE: October 1973 to current year.

DISSOLVED OXYGEN: October 1973 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1973.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 127 micromhos Dec. 23, 1979; minimum, 26 micromhos Oct. 9, 1976.

pH: Maximum, 7.9 units Aug. 13, 1980; minimum, 5.6 units Sept. 18, 1977.

WATER TEMPERATURE: Maximum, 31.0°C July 21, 1981; minimum, 0.5°C Jan. 19, 20, 1977, Jan. 11, 12, 1981.

DISSOLVED OXYGEN: Maximum, 14.4 mg/l Jan. 20, 1976; minimum, 2.0 mg/l Sept. 6, 1981.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 114 micromhos Sept. 7; minimum, 44 micromhos Feb. 11.

pH: Maximum, 7.4 units Jan. 7; minimum, 6.4 units Oct. 1, 2, 3.

WATER TEMPERATURE: Maximum, 31.0°C July 21; minimum, 0.5°C Jan. 11, 12.

DISSOLVED OXYGEN: Maximum, 14.1 mg/l Jan. 19; minimum, 2.0 mg/l Sept. 6.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	59	56	57	63	62	63	58	56	57	63	61	62
2	61	59	60	63	62	63	59	58	59	63	62	63
3	64	64	64	68	63	67	60	59	60	---	---	---
4	67	64	66	68	66	67	63	60	62	---	---	---
5	69	67	68	67	54	61	63	62	63	64	62	63
6	73	71	72	58	54	56	63	62	63	65	63	64
7	76	73	75	62	58	60	65	63	64	64	62	63
8	76	65	71	65	62	64	65	65	65	63	62	63
9	65	64	65	67	65	66	66	65	66	64	62	63
10	67	64	66	68	67	68	65	64	65	64	63	63
11	67	65	66	68	67	68	64	62	63	65	63	64
12	67	66	67	68	67	68	64	63	64	67	64	66
13	67	66	67	68	66	67	65	64	64	69	67	68
14	68	67	68	68	67	68	65	64	64	70	66	68
15	68	66	67	70	67	69	65	65	65	67	65	66
16	68	67	68	70	67	69	68	66	67	67	65	66
17	68	67	68	67	61	64	68	64	66	68	65	66
18	69	68	69	63	61	62	65	64	65	66	65	66
19	72	69	71	62	61	62	66	65	66	66	65	66
20	72	69	71	63	61	62	67	65	66	67	66	66
21	70	66	68	64	63	64	67	66	66	67	65	66
22	70	65	68	65	64	65	67	65	66	66	64	65
23	67	65	66	66	65	66	67	65	66	66	64	65
24	69	67	68	66	65	66	66	63	64	67	65	66
25	70	69	70	63	61	62	64	63	64	68	66	67
26	70	68	69	62	60	61	65	63	64	69	67	68
27	69	67	68	60	57	59	65	64	65	68	66	67
28	69	67	68	56	54	55	65	63	64	68	66	67
29	67	66	67	55	53	54	64	63	64	67	65	66
30	65	63	64	56	54	55	66	63	65	68	66	67
31	66	63	65	---	---	---	66	62	64	68	67	68

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	68	66	67	64	63	64	58	54	56	74	72	73
2	69	67	68	66	64	65	58	54	56	75	73	74
3	69	66	68	65	65	65	60	57	59	77	74	76
4	67	64	66	65	64	65	62	60	61	78	74	76
5	65	64	65	64	63	64	63	62	63	78	75	77
6	66	65	65	63	61	62	66	63	65	78	75	77
7	67	66	66	62	62	62	66	65	66	77	72	75
8	67	66	67	63	62	63	68	65	67	75	72	74
9	68	66	67	65	63	64	67	65	66	75	73	74
10	67	65	66	66	65	66	68	64	66	77	73	75
11	62	44	53	66	65	66	68	66	67	78	75	77
12	53	47	50	65	64	65	68	67	68	78	67	73
13	59	52	56	67	65	66	69	67	68	69	63	66
14	64	54	59	68	66	67	69	68	69	65	63	64
15	73	63	68	68	66	67	69	67	68	69	65	67
16	66	59	63	67	65	66	---	---	---	72	70	71
17	64	61	63	67	66	67	---	---	---	74	71	73
18	62	61	62	67	65	66	---	---	---	75	74	75
19	61	50	56	66	65	66	---	---	---	77	75	76
20	52	50	51	66	65	66	---	---	---	78	75	77
21	56	52	54	66	65	66	70	67	69	78	76	77
22	59	55	57	66	64	65	70	68	69	75	71	73
23	58	57	58	65	62	64	70	68	69	75	71	73
24	59	58	59	62	60	61	70	68	69	75	72	74
25	60	58	59	62	60	61	73	68	71	75	73	74
26	60	59	60	64	62	63	74	71	73	76	73	75
27	62	60	61	65	63	64	73	71	72	76	72	74
28	64	62	63	66	64	65	74	72	73	74	73	74
29	---	---	---	67	66	67	73	71	72	73	63	68
30	---	---	---	68	66	67	74	71	73	64	62	63
31	---	---	---	68	58	63	---	---	---	66	63	65
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	68	57	63	87	83	85	88	79	84	102	99	101
2	70	64	67	85	82	84	78	71	75	102	100	101
3	70	69	70	84	81	83	80	74	76	104	98	101
4	71	69	70	81	77	79	82	80	81	105	99	102
5	70	68	69	78	68	73	84	82	83	107	98	103
6	70	68	69	73	70	72	86	80	83	105	92	99
7	70	68	69	75	73	74	84	81	83	114	77	96
8	73	69	71	77	74	76	---	---	---	71	69	70
9	75	73	74	79	75	77	---	---	---	72	69	71
10	76	74	75	79	74	77	89	86	88	72	67	70
11	75	74	75	84	79	82	92	87	90	75	72	74
12	73	59	66	86	83	85	94	90	92	76	73	75
13	75	73	74	87	85	86	98	94	96	80	76	78
14	78	76	77	89	85	87	101	98	100	82	81	81
15	81	78	80	90	86	88	98	94	96	83	82	82
16	84	80	82	90	87	89	99	96	98	85	83	84
17	85	82	84	90	87	89	100	92	96	87	84	86
18	82	81	82	91	86	85	100	97	99	88	82	85
19	82	82	82	91	87	85	101	99	100	86	82	84
20	86	83	85	94	91	91	99	90	95	87	84	86
21	86	83	85	94	91	93	91	90	91	90	86	88
22	84	81	83	93	90	92	93	90	92	92	88	90
23	83	81	82	95	91	93	95	92	94	93	91	92
24	84	81	83	93	90	92	96	95	96	93	92	92
25	85	82	84	93	89	91	99	96	98	93	91	92
26	85	83	84	93	85	89	101	96	99	93	90	92
27	86	83	85	89	86	88	100	96	98	95	92	93
28	85	84	85	100	89	95	100	96	98	96	88	92
29	90	85	88	106	96	101	98	96	97	92	88	90
30	90	86	88	80	76	78	97	96	96	93	91	92
31	---	---	---	83	74	81	99	96	97	---	---	---
YEAR	114	44	73									

## SANTÉE RIVER BASIN

103

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.4	6.4		7.0	6.9		7.0	6.9		7.2	7.2	
2	6.4	6.4		7.0	6.9		7.0	6.9		7.2	7.1	
3	6.5	6.4		7.0	6.9		7.1	7.0		---	---	
4	6.7	6.5		7.0	7.0		7.1	7.1		---	---	
5	6.8	6.6		7.0	6.8		7.2	7.1		7.3	7.1	
6	6.8	6.7		6.9	6.8		7.2	7.2		7.2	7.1	
7	6.9	6.8		6.9	6.9		7.2	7.1		7.4	7.1	
8	7.0	6.8		7.0	6.9		7.2	7.1		7.2	7.1	
9	7.0	7.0		7.0	6.9		7.1	7.1		7.2	7.1	
10	7.0	7.0		7.0	7.0		7.1	7.1		7.2	7.1	
11	7.0	7.0		7.0	7.0		7.2	7.1		7.2	7.1	
12	7.0	7.0		7.1	7.0		7.2	7.2		7.3	7.1	
13	7.1	7.0		7.1	7.1		7.2	7.2		7.2	7.1	
14	7.1	7.0		7.1	7.1		7.2	7.2		7.2	7.2	
15	7.2	7.0		7.1	7.0		7.2	7.2		7.2	7.2	
16	7.1	7.0		7.0	7.0		7.2	7.1		7.2	7.1	
17	7.1	7.0		7.0	6.9		7.2	7.1		7.2	7.1	
18	7.1	7.0		7.0	6.9		7.2	7.2		7.2	7.1	
19	7.0	7.0		7.0	7.0		7.2	7.1		7.2	7.1	
20	7.0	7.0		7.0	7.0		7.2	7.1		7.2	7.1	
21	7.0	7.0		7.0	7.0		7.2	7.1		7.2	7.1	
22	7.0	7.0		7.1	7.0		7.2	7.1		7.2	7.1	
23	7.0	7.0		7.0	7.0		7.2	7.1		7.2	7.1	
24	7.1	7.0		7.0	7.0		7.3	7.1		7.2	7.1	
25	7.1	7.0		7.1	7.0		7.3	7.2		7.2	7.1	
26	7.1	7.0		7.0	7.0		7.3	7.2		7.3	7.1	
27	7.1	7.0		7.0	6.9		7.2	7.2		7.2	7.1	
28	7.0	7.0		6.9	6.9		7.2	7.2		7.2	7.1	
29	7.0	7.0		6.9	6.8		7.2	7.2		7.2	7.1	
30	7.0	7.0		6.9	6.9		7.2	7.1		7.1	7.1	
31	7.0	7.0		---	---		7.3	7.1		7.2	7.1	

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

## SANTEE RIVER BASIN

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.9	6.7		7.3	7.0		7.0	6.9		6.9	6.8	
2	6.9	6.8		7.1	7.0		6.9	6.9		6.9	6.8	
3	7.0	6.9		7.1	7.0		6.9	6.9		7.0	6.8	
4	7.0	6.9		7.0	6.9		6.9	6.9		6.9	6.8	
5	7.0	6.9		6.9	6.8		7.0	6.9		6.8	6.7	
6	7.0	6.9		7.0	6.8		7.0	6.9		6.8	6.6	
7	7.0	6.9		7.0	6.9		7.0	7.0		6.7	6.5	
8	7.1	6.9		7.0	6.9		---	---		6.6	6.5	
9	7.1	6.9		7.0	6.9		---	---		6.5	6.5	
10	7.1	7.0		7.1	6.9		6.9	6.9		6.7	6.5	
11	7.1	7.0		7.0	6.9		6.9	6.8		6.5	6.5	
12	6.9	6.6		7.1	7.0		6.9	6.8		6.5	6.5	
13	7.0	6.9		7.1	7.0		6.8	6.7		6.6	6.5	
14	7.0	6.9		7.1	7.0		6.7	6.7		6.6	6.5	
15	7.0	6.9		7.1	7.0		6.7	6.7		6.8	6.7	
16	7.0	6.9		7.1	7.0		6.7	6.7		6.7	6.6	
17	7.0	6.9		7.2	7.0		6.9	6.7		6.7	6.7	
18	7.1	7.0		7.2	7.0		6.7	6.7		7.1	7.1	
19	7.2	7.0		7.2	7.0		6.7	6.7		7.1	7.1	
20	7.2	7.0		7.1	7.0		7.2	6.7		7.2	7.0	
21	7.2	7.0		7.1	7.0		7.2	7.1		7.3	7.1	
22	7.2	7.0		7.2	7.0		7.1	7.0		7.2	7.1	
23	7.1	7.0		7.2	7.0		7.1	7.0		7.1	7.0	
24	7.1	7.0		7.2	7.0		7.1	7.0		7.1	7.0	
25	7.1	7.0		7.2	7.0		7.1	7.0		7.1	7.0	
26	7.2	7.0		7.2	6.9		7.1	6.9		7.1	7.0	
27	7.2	7.0		7.1	6.9		7.1	6.9		7.1	7.0	
28	7.3	7.0		7.1	6.9		7.1	6.9		7.1	7.0	
29	7.3	7.1		6.9	6.8		7.1	6.9		7.1	7.0	
30	7.3	7.1		6.9	6.8		7.1	6.9		7.0	6.9	
31	---	---		7.0	6.9		7.1	6.8		---	---	
YEAR	7.4	6.4										

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19.0	18.0	18.5	14.0	12.5	13.5	8.5	7.5	8.0	10.0	8.5	9.0
2	20.0	19.0	19.0	14.0	12.0	13.0	10.0	7.0	8.5	9.0	7.5	8.0
3	20.0	19.0	19.5	13.5	12.0	12.5	10.0	8.0	9.0	---	---	---
4	19.0	18.0	18.5	14.5	13.0	14.0	9.5	8.0	8.5	---	---	---
5	18.5	17.0	17.5	14.5	13.5	14.0	8.0	7.0	7.5	11.0	4.5	8.0
6	17.5	16.0	17.0	13.5	12.0	13.0	8.5	6.5	7.5	15.0	10.0	12.5
7	17.0	15.0	16.0	14.0	11.0	12.5	10.0	7.5	8.5	15.0	3.5	9.0
8	17.0	15.0	16.0	15.5	12.5	14.0	10.5	8.0	9.5	4.5	3.0	4.0
9	18.5	15.5	17.0	16.5	13.5	15.0	12.5	9.5	11.0	4.0	2.5	3.0
10	19.5	16.5	18.0	17.0	14.5	16.0	14.0	13.0	13.5	3.0	1.5	2.5
11	20.5	17.5	19.0	14.5	12.0	13.5	13.0	11.0	12.0	2.0	.5	1.0
12	19.0	17.0	18.0	12.5	10.5	11.5	10.5	8.5	9.5	1.5	.5	1.0
13	17.0	15.5	16.0	11.5	9.5	10.5	10.5	9.0	10.0	1.5	1.0	1.0
14	16.0	14.0	15.0	12.5	10.0	11.0	11.0	8.5	9.5	2.0	1.0	1.5
15	16.0	13.5	15.0	13.5	12.0	13.0	13.0	7.5	10.5	6.0	2.0	4.0
16	17.0	14.5	16.0	14.0	13.5	14.0	15.0	13.0	14.0	6.0	4.0	5.0
17	18.5	16.0	17.5	13.5	12.5	13.0	16.5	9.0	13.0	5.5	4.0	4.5
18	19.5	18.0	18.5	12.5	11.5	12.0	9.5	8.0	9.0	5.0	3.0	4.0
19	20.5	19.0	20.0	11.0	9.5	10.5	10.0	8.0	9.0	5.0	3.0	4.0
20	19.0	17.5	18.5	10.0	8.5	9.0	10.0	8.5	9.0	5.0	3.5	4.0
21	17.5	16.0	17.0	10.0	7.5	9.0	8.0	5.5	7.0	6.5	5.0	6.0
22	17.0	15.0	16.0	9.5	7.5	8.5	5.5	4.0	5.0	7.5	6.5	7.0
23	15.5	14.5	15.0	11.0	9.0	10.0	6.0	4.5	5.5	7.5	6.0	6.5
24	15.0	14.0	14.5	10.5	9.5	10.0	10.0	6.5	8.0	7.0	5.0	6.0
25	15.5	13.5	14.5	11.5	10.0	10.5	10.0	8.0	9.0	7.0	5.0	6.0
26	14.0	12.0	13.0	10.0	9.5	10.0	7.5	7.0	7.0	8.5	5.5	7.0
27	13.5	12.0	13.0	9.5	9.0	9.0	9.0	7.0	8.0	9.5	7.5	8.5
28	14.0	12.5	13.5	9.5	8.5	9.0	10.0	8.5	9.5	11.5	9.5	10.5
29	15.0	14.0	14.5	9.5	8.0	8.5	13.0	9.5	11.5	10.5	8.0	9.0
30	15.0	13.5	14.0	9.0	7.0	8.0	14.5	12.5	13.5	9.5	7.5	8.5
31	14.5	13.0	---	---	---	---	14.5	9.5	12.0	7.0	5.5	6.0



## 105

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.5	5.0	5.0	15.0	12.5	14.0	19.5	17.5	18.5	23.0	20.5	22.0
2	7.5	6.0	7.0	17.0	14.5	15.5	18.0	16.5	17.0	21.5	18.5	20.0
3	6.0	3.5	5.0	14.5	12.5	13.5	18.0	15.0	16.5	20.5	16.5	18.5
4	4.5	2.5	3.5	12.0	11.0	11.5	18.0	16.0	17.0	21.0	16.0	18.5
5	4.0	2.0	3.0	12.5	10.5	11.5	17.5	16.0	16.5	22.0	18.0	20.0
6	4.5	3.0	3.5	12.5	11.0	11.5	17.5	14.5	16.0	22.0	20.5	21.5
7	4.5	3.0	4.0	12.5	10.5	11.5	17.0	14.0	15.5	21.5	18.5	20.0
8	7.0	4.5	5.5	12.0	9.5	11.0	18.0	14.0	16.0	19.5	17.0	18.0
9	6.5	4.5	5.5	12.0	9.0	10.5	18.0	16.5	17.5	20.0	17.5	19.0
10	7.0	5.5	6.0	12.5	9.0	10.5	19.5	16.0	18.0	20.5	19.0	20.5
11	---	---	---	12.0	9.5	10.5	21.0	18.0	19.5	21.0	19.5	20.5
12	---	---	---	12.5	9.0	11.0	22.5	19.0	20.5	21.0	18.0	19.5
13	---	---	---	12.5	9.5	11.0	23.5	20.0	21.5	22.5	18.0	20.0
14	---	---	---	13.5	10.5	12.0	23.0	20.5	22.0	22.0	18.5	20.5
15	---	---	---	13.0	9.5	11.0	22.0	19.0	20.5	23.0	20.0	21.5
16	---	---	---	13.0	11.0	12.0	---	---	---	21.5	18.5	20.0
17	---	---	---	12.0	9.0	10.5	---	---	---	21.5	19.5	20.5
18	11.5	10.5	11.0	11.5	10.5	11.0	---	---	---	23.5	19.5	21.5
19	13.0	11.5	12.0	12.0	10.0	11.0	---	---	---	23.5	21.0	22.0
20	14.5	12.5	13.5	11.5	9.0	10.0	---	---	---	22.0	18.5	20.5
21	18.5	12.0	15.0	10.0	8.5	9.5	20.0	18.5	19.5	18.5	17.5	18.0
22	16.5	11.5	14.0	9.5	8.5	9.0	18.5	17.5	18.0	20.5	17.0	18.5
23	15.5	11.5	13.5	8.5	7.5	8.0	19.5	17.5	18.5	22.0	17.5	20.0
24	12.5	10.5	11.5	10.0	8.0	9.0	21.5	19.0	20.5	23.0	19.0	21.0
25	15.0	10.0	12.5	12.5	9.0	11.0	20.5	18.0	19.5	23.5	20.0	22.0
26	13.0	10.5	11.5	14.5	10.5	12.5	20.5	17.0	19.0	23.0	21.5	22.0
27	14.5	10.5	12.5	16.0	12.5	14.0	22.0	18.0	20.0	23.0	22.0	22.5
28	15.0	10.5	13.0	16.5	13.5	15.0	23.0	19.5	21.0	22.5	21.0	21.5
29	---	---	---	15.5	14.0	15.0	22.5	20.5	21.5	22.5	20.5	21.5
30	---	---	---	18.0	15.0	16.5	23.5	20.0	22.0	24.0	21.0	22.5
31	---	---	---	18.5	16.0	17.5	---	---	---	25.5	22.5	24.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	24.0	23.0	23.5	25.5	23.0	24.0	24.0	23.0	23.5	27.5	24.0	25.5
2	24.5	23.0	23.5	23.5	23.0	23.0	25.0	24.0	23.5	28.0	24.5	26.0
3	25.0	24.0	24.5	24.0	23.0	23.5	27.0	24.5	26.0	28.5	25.0	26.5
4	25.5	23.5	24.5	25.5	23.0	24.0	28.0	25.0	26.5	27.0	25.5	26.5
5	26.0	24.0	25.0	26.5	24.0	25.0	29.5	26.5	28.0	26.5	25.0	25.5
6	26.5	25.0	26.0	27.0	25.0	26.0	28.5	27.5	28.0	26.5	25.0	26.0
7	27.0	25.5	26.0	27.5	25.5	26.5	29.5	26.5	28.0	26.0	24.0	25.0
8	27.0	25.5	26.0	29.0	26.0	27.5	---	---	---	25.5	24.5	25.0
9	28.0	25.5	27.0	30.0	27.0	28.5	---	---	---	25.0	24.0	24.5
10	29.0	26.0	27.5	30.5	27.5	29.0	28.5	27.5	28.0	25.0	22.5	24.0
11	29.5	27.0	28.0	30.5	27.5	29.0	29.0	25.5	27.5	25.0	23.0	24.0
12	27.5	25.5	26.5	30.5	27.0	29.0	27.5	25.5	26.5	25.5	23.0	24.5
13	28.0	25.5	26.5	30.5	27.5	30.0	27.0	25.5	26.0	26.0	23.5	24.5
14	29.5	26.0	28.0	30.5	27.5	29.0	26.5	25.5	26.0	24.5	23.5	24.0
15	30.0	26.5	28.5	30.5	27.5	29.0	27.0	25.0	26.0	26.0	25.0	25.5
16	30.0	26.5	28.5	29.5	27.5	28.5	27.0	25.5	26.5	27.5	25.0	26.0
17	30.5	26.5	28.5	30.0	26.5	28.5	26.5	25.0	25.5	27.5	25.0	26.0
18	28.5	27.0	27.5	29.0	27.0	28.0	25.0	24.0	24.5	23.0	21.0	22.0
19	28.5	26.0	27.0	29.0	26.5	28.0	24.0	23.0	23.5	22.0	18.5	20.5
20	29.0	25.5	27.0	30.0	27.0	28.5	25.0	22.5	24.0	20.5	17.0	19.0
21	29.0	25.5	27.5	31.0	27.5	29.5	25.0	22.5	24.0	21.0	17.0	19.0
22	30.0	26.5	28.0	29.0	26.0	27.5	26.0	22.5	24.0	21.0	18.0	20.0
23	30.5	27.0	28.5	29.5	26.5	28.0	24.0	22.0	23.0	22.5	19.0	20.5
24	30.0	27.5	28.5	29.5	27.0	28.0	26.5	23.0	25.0	21.0	17.0	19.0
25	29.5	26.0	28.0	29.0	28.0	28.5	26.5	23.5	25.0	21.0	17.0	19.0
26	29.5	26.5	28.0	29.5	26.5	28.0	26.0	23.0	24.5	21.0	17.0	19.0
27	28.0	24.5	26.5	29.5	26.5	28.0	25.5	22.0	24.0	21.5	17.5	19.5
28	27.0	23.5	25.5	30.0	26.5	28.5	25.5	21.0	23.5	22.5	19.0	21.0
29	27.0	22.5	24.5	28.5	28.0	28.0	25.5	24.0	24.5	21.5	17.5	19.5
30	25.5	22.5	24.0	26.0	24.0	25.0	26.0	24.0	25.0	19.0	18.0	18.5
31	---	---	---	24.0	23.5	23.5	27.0	23.5	25.5	---	---	---
YEAR	31.0	.5	17.5									

## SANTEE RIVER BASIN

02160700 ENOREE RIVER AT WHITMIRE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.0	7.6	7.8	9.0	6.1	7.6	10.3	9.5	9.9	11.3	9.3	10.3
2	7.9	7.1	7.5	7.8	6.4	7.1	7.7	6.1	6.9	11.4	9.7	10.5
3	7.5	6.8	7.2	9.6	6.4	8.0	9.4	6.7	8.1	---	---	---
4	7.3	6.8	7.1	9.5	7.2	8.4	9.4	6.6	8.0	---	---	---
5	7.3	6.5	6.9	8.0	6.1	7.1	10.0	5.7	7.9	10.8	10.0	10.4
6	7.3	7.1	7.2	8.7	5.7	7.2	9.6	7.2	8.4	10.7	8.0	9.4
7	8.4	7.5	8.0	6.5	5.3	5.9	9.1	7.1	8.1	13.6	7.4	10.5
8	8.7	7.6	8.2	6.1	5.1	5.6	8.9	6.9	7.9	12.7	12.5	12.6
9	8.6	6.8	7.7	7.4	5.0	6.2	9.4	7.3	8.3	13.2	12.3	12.8
10	8.2	7.1	7.7	8.7	5.0	6.9	9.3	7.3	8.3	13.6	13.3	13.5
11	8.1	7.0	7.6	7.5	5.7	6.6	8.7	7.8	8.3	13.7	13.5	13.6
12	8.1	7.6	7.9	9.5	5.8	7.7	8.8	5.1	7.3	14.0	13.5	13.7
13	8.5	8.0	8.3	9.4	6.3	7.9	7.9	5.6	7.5	13.9	13.3	13.6
14	9.2	8.6	8.9	6.7	5.9	6.3	8.2	6.5	7.4	13.6	13.3	13.5
15	9.5	9.0	9.3	9.5	5.4	7.5	9.1	7.2	8.2	13.4	11.9	12.7
16	9.4	8.6	9.0	9.0	5.3	7.2	9.1	7.9	8.5	12.1	11.7	11.9
17	9.1	8.3	8.7	9.3	5.3	7.3	9.9	6.8	8.4	12.3	11.8	12.1
18	8.4	8.0	8.2	8.3	5.6	7.0	10.2	7.0	8.6	12.6	12.1	12.4
19	8.2	7.6	7.9	9.4	6.1	7.8	10.9	8.5	9.7	14.1	12.3	13.2
20	8.0	7.5	7.8	10.3	6.3	8.3	10.6	10.2	10.4	13.4	12.8	13.1
21	8.6	6.3	7.5	7.3	6.0	6.7	11.1	8.4	9.8	12.9	12.5	12.5
22	9.2	8.6	8.9	7.0	6.5	6.8	12.4	10.2	11.3	12.8	12.2	12.5
23	9.5	9.1	9.3	8.1	6.4	7.3	12.1	11.0	11.6	12.7	12.2	12.6
24	9.7	9.3	9.5	7.2	6.3	6.8	12.3	11.3	11.8	12.9	12.3	12.6
25	9.7	9.2	9.5	9.9	4.7	7.3	11.7	10.9	11.3	13.0	12.5	12.8
26	9.9	9.5	9.7	10.0	9.7	9.8	11.8	11.4	11.6	12.9	9.7	11.3
27	9.9	9.0	8.7	9.8	9.8	9.8	11.9	11.1	11.5	10.8	9.7	10.2
28	9.7	7.7	7.6	10.1	9.8	10.0	12.0	10.0	11.0	10.3	8.9	9.6
29	8.4	6.8	8.0	10.1	8.9	9.5	12.3	11.2	11.8	11.0	8.6	9.8
30	8.6	7.4	8.1	10.1	9.5	9.8	11.7	10.4	11.1	10.2	9.0	9.6
31	9.5	6.6	---	---	---	---	12.1	11.2	11.7	11.6	9.7	10.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.8	10.5	11.2	8.4	6.8	7.6	8.4	7.5	8.0	7.2	5.3	6.2
2	11.4	9.9	10.7	9.4	7.8	8.6	8.6	8.3	8.5	6.3	5.4	5.8
3	11.2	9.7	10.5	9.7	7.6	8.7	8.8	8.5	8.7	6.6	5.7	6.2
4	11.6	10.9	11.3	9.2	8.8	9.0	8.7	8.1	8.4	8.4	5.7	7.0
5	11.6	11.0	11.3	9.4	8.7	9.1	8.6	8.2	8.4	8.4	7.2	7.8
6	11.5	10.8	11.2	9.3	8.5	8.9	9.0	8.4	8.7	8.2	7.0	7.6
7	11.1	10.5	10.8	9.3	8.1	9.2	8.3	7.9	8.1	8.0	7.3	8.3
8	10.7	9.9	10.3	9.7	9.4	9.6	8.0	7.8	7.9	9.3	7.8	8.7
9	10.4	9.9	10.2	9.9	9.1	9.5	7.9	7.4	7.7	9.1	6.9	8.0
10	10.2	9.3	9.8	9.7	9.3	9.5	7.7	7.4	7.6	9.1	7.6	8.4
11	9.8	7.4	8.6	10.0	9.6	9.8	7.4	7.0	7.2	8.8	7.8	8.3
12	9.0	7.5	8.3	10.1	9.3	9.7	7.1	5.8	6.5	9.2	7.4	8.3
13	9.1	7.2	8.2	9.4	8.6	9.0	7.9	5.5	6.7	8.6	6.5	7.5
14	8.3	5.9	7.1	11.2	10.2	10.7	7.6	6.6	7.1	8.5	6.9	7.7
15	6.8	5.7	6.3	11.8	9.2	10.5	8.1	6.4	6.8	9.3	7.2	8.3
16	7.1	5.7	6.4	9.8	9.7	9.8	---	---	---	9.3	7.5	8.4
17	9.6	5.5	7.6	10.2	9.6	9.9	---	---	---	9.5	7.8	8.7
18	8.8	8.0	8.4	9.7	8.7	9.2	---	---	---	10.0	8.8	9.4
19	9.1	7.8	8.5	8.9	8.6	8.8	---	---	---	10.2	8.7	9.6
20	8.8	6.6	7.7	8.9	8.6	8.8	---	---	---	10.8	9.6	10.2
21	8.7	7.5	8.1	9.1	8.7	8.9	8.2	8.2	8.2	11.1	10.1	10.7
22	9.0	8.0	8.5	9.5	8.7	9.1	8.6	8.2	8.4	9.6	8.9	9.2
23	9.3	7.4	8.4	9.5	9.2	9.4	9.1	8.2	8.7	9.5	8.9	9.2
24	9.5	8.1	8.8	9.4	8.6	9.0	8.8	8.5	8.7	9.6	8.8	9.2
25	7.5	5.9	6.7	9.0	7.1	8.1	8.8	8.3	8.6	9.2	8.6	8.9
26	9.9	6.5	8.2	10.1	8.8	9.5	8.7	8.1	8.4	9.6	8.9	9.2
27	8.3	6.8	7.6	10.3	9.0	8.9	8.6	7.5	8.0	9.3	8.5	9.4
28	8.8	7.3	8.1	8.9	8.5	8.7	7.9	6.8	7.4	8.5	8.7	9.7
29	---	---	---	8.7	8.4	8.6	8.2	6.8	7.5	8.8	5.5	8.2
30	---	---	---	9.0	8.1	8.6	7.8	6.0	6.9	8.7	7.6	8.1
31	---	---	---	8.1	7.3	7.7	---	---	---	6.7	4.8	7.4

## 107

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

[illegible]

02160775 HELLERS CREEK NEAR POMARIA, S.C.

LOCATION.--Lat 34°21'38", long 81°29'32", Newberry County, Hydrologic Unit 03050106, at Road 55 bridge 7.8 mi (12.6 km) northwest of Pomaria and 9.2 mi (14.8 km) northeast of Newberry.

DRAINAGE AREA.--8.16 mi<sup>2</sup> (21.1 km<sup>2</sup>).

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 375 ft (114 m) (from topographic map).

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 344 ft<sup>3</sup>/s (9.74 m<sup>3</sup>/s) Feb. 11, gage height, 7.07 ft (2.155 m); minimum daily, 1.60 ft<sup>3</sup>/s (0.045 m<sup>3</sup>/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	4.4	5.5	3.5	2.8	4.9	5.1	2.4	61	3.5	3.5	1.7
2	32	3.9	5.1	3.2	3.9	4.8	4.8	2.4	8.5	3.8	3.8	1.6
3	18	3.8	4.8	3.1	3.5	4.4	4.4	2.4	9.2	3.6	4.9	1.6
4	11	4.8	4.4	3.1	3.2	4.6	4.3	2.4	9.0	3.5	2.5	1.6
5	8.0	4.8	4.4	3.0	3.1	6.1	3.9	2.2	11	3.4	1.9	1.0
6	7.0	4.3	4.1	3.0	3.1	5.1	3.8	2.4	7.8	3.2	1.7	9.0
7	6.5	3.9	4.1	3.6	3.1	4.4	3.6	2.6	6.9	3.0	5.3	125
8	6.1	3.9	4.1	3.4	3.4	4.1	3.5	2.7	6.7	2.8	8.3	23
9	5.7	3.9	3.9	3.2	3.1	3.9	3.4	2.6	6.3	2.6	2.7	9.2
10	5.1	3.9	11	3.1	8.5	3.9	3.2	2.6	5.9	2.6	2.0	7.8
11	4.6	3.8	8.0	3.1	182	3.8	3.1	2.6	5.5	4.9	6.9	6.5
12	4.3	3.8	5.5	3.0	32	3.6	3.1	2.6	6.9	5.3	8.0	5.7
13	4.1	3.8	4.8	3.0	15	3.5	2.8	2.6	5.9	3.0	3.8	4.9
14	3.9	3.9	4.3	3.0	12	3.4	2.7	2.4	5.3	2.8	2.8	4.3
15	3.9	4.3	4.3	3.1	9.7	3.2	2.6	2.6	5.5	2.7	2.5	3.8
16	3.8	4.4	4.3	3.0	8.3	3.1	2.5	2.5	4.8	38	3.0	3.4
17	3.8	4.8	3.9	3.0	7.6	3.1	2.5	2.6	4.4	12	6.5	3.1
18	3.8	5.3	3.6	3.0	7.8	3.8	2.4	2.6	4.3	4.1	4.1	2.8
19	3.9	4.6	3.6	3.0	13	4.3	2.2	2.7	4.3	3.4	3.2	2.7
20	3.8	4.3	3.4	3.1	12	3.8	7.6	2.7	4.1	3.1	3.1	2.6
21	3.6	4.1	3.2	3.5	9.7	3.6	9.7	2.8	3.9	2.8	2.7	2.4
22	3.6	3.9	3.2	3.4	8.3	10	4.1	2.8	3.6	2.6	2.4	2.2
23	3.5	3.9	3.6	3.2	7.8	19	3.8	2.8	3.6	2.6	2.2	2.1
24	3.6	12	3.6	3.1	6.9	8.0	3.5	3.0	1.8	2.4	2.1	2.0
25	3.9	11	3.4	3.0	6.1	6.3	3.2	2.8	3.6	2.2	2.0	1.9
26	3.8	6.7	3.2	3.0	5.7	5.3	3.0	2.8	3.6	2.0	1.9	1.9
27	3.6	11	3.4	3.0	5.3	4.9	2.8	3.0	3.5	2.1	1.8	1.8
28	4.4	9.7	3.8	3.0	5.3	4.4	2.6	2.8	3.4	2.0	1.8	1.7
29	4.1	7.4	3.6	2.8	---	4.1	2.5	3.4	3.4	1.8	1.8	1.7
30	6.1	5.9	3.6	3.0	---	6.3	2.5	3.4	3.4	5.5	1.8	1.6
31	5.3	---	3.8	2.8	---	5.7	---	8.8	---	2.5	1.8	---
TOTAL	239.8	160.2	135.5	96.3	392.2	159.4	109.2	89.0	217.1	139.8	102.8	249.6
MEAN	7.74	5.34	4.37	3.11	14.0	5.14	3.64	2.87	7.24	4.51	3.32	4.32
MAX	55	12	11	3.6	182	19	9.7	8.8	61	38	8.3	125
MIN	3.5	3.8	3.2	2.8	2.8	3.1	2.2	2.2	1.8	1.8	1.7	1.6
WTR YR 1981	TOTAL	2090.9	MEAN	5.73	MAX	182	MIN	1.6				

## 02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.

LOCATION.--Lat 34°18'17", long 81°19'14", Fairfield County, Hydrologic Unit 03050106, on left bank at Fairfield Pump Storage Intake, 7.0 mi (11.2 km) northwest of Jenkinsville.

PERIOD OF RECORD.--March 1978 to current year.

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1978 to current year.

pH: March 1978 to current year.

WATER TEMPERATURE: March 1978 to current year.

DISSOLVED OXYGEN: March 1978 to current year.

INSTRUMENTATION.--Water-quality monitor since March 1978.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 111 micromhos Aug. 31, 1981; minimum, 34 micromhos March 29, 1980.

pH: Maximum, 9.1 units June 20, 1978; minimum, 6.3 units several days Aug., Sept., 1978, Oct. 1979, Mar., July, Aug., Oct. 1980, Sept. 1981.

WATER TEMPERATURE: Maximum, 33.0°C July 31, 1980; minimum, 2.5°C Jan. 11-12, 1981.

DISSOLVED OXYGEN: Maximum, 15.0 mg/l Dec. 27, 1980; minimum, 1.1 mg/l Aug. 3, 1980.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 111 micromhos Aug. 31; minimum, 50 micromhos Dec. 31.

pH: Maximum, 9.0 units Apr. 13-14; minimum, 6.3 units Oct. 3-4, Sept. 9.

WATER TEMPERATURE: Maximum, 31.0°C July 17, 22, 25; minimum, 2.5°C Jan. 11, 12.

DISSOLVED OXYGEN: Maximum, 15.0 mg/l Dec. 27; minimum, 3.0 mg/l Sept. 11.

## SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	79	54	72	79	73	76	72	71	72	71	70	71
2	80	71	77	79	73	76	73	69	71	72	70	71
3	83	63	73	78	74	76	72	70	72	72	70	71
4	84	59	72	79	72	76	73	70	72	71	70	71
5	84	63	74	77	72	75	73	70	72	71	70	71
6	82	69	76	79	71	75	---	---	---	71	70	71
7	85	67	76	76	69	74	---	---	---	72	70	71
8	84	73	80	78	69	73	---	---	---	71	70	71
9	84	73	80	76	70	73	---	---	---	70	70	70
10	83	75	79	78	71	74	---	---	---	70	70	70
11	81	76	79	77	73	75	---	---	---	70	69	69
12	82	77	80	78	72	75	---	---	---	70	69	69
13	82	79	80	77	73	76	---	---	---	70	69	69
14	84	78	80	77	72	75	---	---	---	69	68	69
15	82	77	79	80	71	75	---	---	---	69	69	69
16	83	77	80	78	73	75	73	54	72	69	68	68
17	85	75	80	79	73	75	73	71	72	68	68	68
18	83	75	80	79	73	75	73	72	72	68	68	68
19	85	77	81	76	73	75	73	71	72	68	67	68
20	85	77	80	75	70	73	72	71	71	69	67	68
21	87	76	80	76	70	73	72	71	71	69	67	68
22	86	76	80	75	71	73	71	71	71	69	67	68
23	80	76	78	73	69	72	72	71	72	68	67	68
24	80	76	79	74	68	71	72	71	72	68	66	67
25	80	77	78	76	70	73	72	71	71	69	67	68
26	80	77	79	73	72	72	72	60	71	68	67	67
27	83	76	79	73	71	72	61	60	60	68	66	67
28	82	74	78	73	71	72	61	60	61	68	66	67
29	80	72	77	73	69	71	62	61	61	67	66	67
30	80	74	77	73	71	72	61	61	61	67	66	66
31	79	75	77	---	---	---	72	50	71	67	66	67



SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	67	66	66	69	59	63	72	60	66	75	70	73
2	68	65	66	73	60	64	68	58	64	77	71	73
3	67	65	66	70	62	66	65	57	62	76	70	72
4	66	65	66	70	62	66	67	59	63	78	69	72
5	66	65	66	71	61	67	66	59	63	76	70	72
6	66	65	65	71	64	67	67	63	65	76	70	72
7	66	65	65	70	65	67	67	63	65	77	71	73
8	66	65	65	72	63	68	67	63	64	78	71	73
9	65	64	65	71	63	66	67	63	65	78	72	74
10	66	64	65	66	62	64	75	64	67	83	72	77
11	66	63	65	69	63	65	70	63	65	84	70	74
12	64	61	63	68	63	65	74	63	66	81	71	74
13	64	61	63	69	63	66	75	66	70	83	72	77
14	64	60	63	68	63	65	73	65	68	81	72	74
15	65	61	63	---	---	---	76	66	71	78	71	73
16	65	63	64	73	62	68	76	65	68	77	71	73
17	64	61	63	67	62	63	72	65	68	75	72	74
18	64	62	63	70	62	65	73	65	68	76	71	72
19	64	63	63	70	64	66	76	66	70	75	70	72
20	65	58	61	68	64	66	84	57	72	76	71	73
21	64	56	60	75	64	68	77	68	72	78	73	75
22	63	56	60	68	64	65	76	68	71	79	73	75
23	65	58	61	72	63	65	73	66	69	81	73	75
24	63	59	61	58	63	65	70	65	68	82	72	76
25	64	57	61	69	63	65	73	67	70	81	72	75
26	67	58	62	69	63	65	72	67	70	78	72	74
27	66	59	63	67	62	65	74	67	70	79	72	75
28	65	58	62	69	63	66	73	66	70	80	73	76
29	---	---	---	71	62	65	78	67	70	81	74	77
30	---	---	---	70	60	64	76	68	71	79	72	75
31	---	---	---	69	61	65	---	---	---	79	66	73
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	76	68	72	85	75	79	85	80	82	98	87	90
2	74	67	71	86	76	79	90	81	86	106	86	91
3	72	67	70	80	75	78	90	79	85	91	87	89
4	72	64	69	87	75	79	80	77	79	99	87	90
5	77	66	71	84	76	79	82	78	80	103	88	90
6	72	70	71	79	75	78	84	78	81	109	88	95
7	77	71	73	78	75	77	87	79	83	107	89	92
8	75	72	73	86	74	79	90	79	85	110	90	94
9	74	71	72	84	80	81	84	76	80	91	82	88
10	74	72	72	85	80	82	85	80	83	91	77	87
11	78	72	75	84	80	82	---	---	---	92	81	89
12	76	72	74	85	80	82	90	85	87	92	83	89
13	75	72	74	85	81	82	96	84	90	92	82	89
14	80	72	75	---	---	---	96	84	90	89	89	88
15	81	73	77	---	---	---	93	84	87	88	86	86
16	79	74	77	86	82	84	98	84	88	89	86	87
17	82	73	77	89	82	85	100	85	88	94	88	89
18	86	73	80	---	---	---	97	85	87	88	86	87
19	90	73	80	---	---	---	92	86	87	93	87	89
20	88	74	79	85	83	84	97	85	88	94	87	89
21	91	75	80	92	83	85	94	84	86	98	85	88
22	89	75	79	91	83	87	88	85	86	100	87	89
23	86	76	81	97	82	87	101	85	87	97	87	89
24	86	77	80	95	84	87	107	85	90	98	88	91
25	85	76	79	98	84	88	102	85	89	92	88	89
26	89	76	80	110	84	91	97	86	89	90	88	89
27	83	76	79	98	84	90	103	87	90	93	88	90
28	85	75	79	95	85	90	89	86	88	90	88	89
29	86	75	79	92	86	88	100	86	89	96	88	90
30	84	76	78	90	85	87	102	86	89	101	88	90
31	---	---	---	87	85	86	111	87	92	---	---	---
YEAR	111	50	75									

## SANTÉE RIVER BASIN

111

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.7	6.4		6.7	6.6		7.2	7.0		7.5	7.4	
2	6.7	6.6		6.7	6.6		7.3	7.1		7.5	7.4	
3	6.7	6.3		6.6	6.5		7.4	7.1		7.5	7.4	
4	6.7	6.3		6.7	6.6		7.5	7.2		7.6	7.4	
5	6.7	6.5		6.6	6.6		---	---		7.6	7.5	
6	6.7	6.6		6.7	6.6		---	---		7.6	7.5	
7	6.7	6.5		6.6	6.6		---	---		7.6	7.5	
8	6.6	6.5		6.7	6.6		---	---		7.6	7.5	
9	7.1	6.6		6.7	6.6		---	---		7.7	7.5	
10	6.7	6.6		6.9	6.6		---	---		7.7	7.6	
11	6.7	6.6		7.0	6.7		---	---		7.7	7.5	
12	7.0	6.6		7.1	6.7		---	---		7.7	7.6	
13	6.8	6.7		7.0	6.8		---	---		7.7	7.6	
14	6.8	6.6		7.1	6.7		---	---		7.7	7.6	
15	7.0	6.6		7.0	6.7		---	---		7.7	7.5	
16	6.8	6.6		6.9	6.8		8.0	7.4		7.8	7.5	
17	6.8	6.6		6.8	6.8		8.2	7.4		7.7	7.6	
18	6.7	6.6		6.8	6.7		7.5	7.3		7.6	7.6	
19	6.7	6.6		6.8	6.7		7.4	7.3		7.6	7.5	
20	6.9	6.6		6.8	6.7		7.5	7.4		7.7	7.5	
21	6.8	6.5		6.9	6.7		7.5	7.4		7.7	7.5	
22	6.7	6.6		6.8	6.7		7.5	7.4		7.7	7.5	
23	6.6	6.6		6.8	6.7		7.6	7.4		7.6	7.5	
24	6.6	6.6		6.8	6.7		7.4	7.4		7.6	7.5	
25	6.8	6.6		7.4	6.7		7.5	7.4		7.6	7.5	
26	6.8	6.6		7.3	7.2		7.5	7.4		7.5	7.4	
27	6.8	6.5		7.2	7.1		---	---		7.5	7.5	
28	6.7	6.6		7.2	7.1		---	---		7.7	7.5	
29	6.7	6.6		7.2	7.0		---	---		7.6	7.5	
30	6.7	6.6		7.2	7.1		---	---		7.6	7.5	
31	6.7	6.6		---	---		7.5	7.4		7.5	7.5	
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	7.6	7.4		7.2	7.1		7.2	6.9		8.7	7.0	
2	7.5	7.5		7.2	7.1		7.2	6.9		8.1	7.0	
3	7.5	7.4		7.3	7.1		7.3	6.9		7.7	7.0	
4	7.5	7.4		7.2	7.1		7.2	7.0		7.4	6.9	
5	7.5	7.4		7.2	7.1		7.2	7.0		8.2	6.9	
6	7.5	7.4		7.2	7.1		8.3	7.0		7.4	6.9	
7	7.5	7.4		7.8	7.2		8.4	7.0		7.5	6.9	
8	7.4	7.4		7.9	7.2		7.4	7.1		7.2	7.0	
9	7.4	7.4		7.6	7.1		7.4	7.1		7.2	7.0	
10	7.4	7.4		7.6	7.2		8.8	7.1		7.1	6.9	
11	7.5	6.9		7.4	7.2		7.3	7.1		7.0	6.9	
12	7.4	7.0		7.4	7.2		7.4	7.1		7.2	6.9	
13	7.4	6.9		7.3	7.1		9.0	7.1		7.6	6.9	
14	7.4	6.8		7.2	7.2		9.0	7.1		7.0	6.9	
15	7.4	7.0		---	---		8.9	7.1		7.1	6.8	
16	7.4	7.3		7.2	7.2		8.4	7.1		8.3	6.9	
17	7.3	7.1		7.3	7.1		7.7	7.1		8.0	6.9	
18	7.4	7.1		7.4	7.2		8.2	7.1		7.1	6.8	
19	7.3	7.1		7.3	7.2		8.3	7.1		7.6	6.9	
20	7.2	7.2		7.2	7.2		8.1	7.0		7.4	6.9	
21	7.2	7.0		7.5	7.2		8.5	7.1		7.5	6.9	
22	7.2	7.1		7.2	7.2		7.7	7.0		7.4	6.9	
23	7.2	7.0		7.4	7.2		7.1	6.9		7.8	6.9	
24	7.2	7.1		7.3	7.2		7.1	7.0		7.5	6.9	
25	7.2	7.1		7.3	7.2		7.4	7.0		7.2	6.8	
26	7.2	7.1		7.3	7.2		7.3	7.0		7.0	6.8	
27	7.3	7.1		7.3	7.1		7.2	7.0		8.0	6.8	
28	7.3	7.1		7.3	7.2		7.2	7.0		8.6	6.8	
29	---	---		7.2	7.1		7.1	7.0		8.8	6.9	
30	---	---		7.2	7.1		7.3	7.0		8.3	6.8	
31	---	---		7.3	7.1		---	---		8.4	6.8	

## SANTEE RIVER BASIN

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	7.6	6.7		7.0	6.6		6.7	6.6		7.0	6.7	
2	7.2	6.7		6.8	6.6		6.8	6.6		7.0	6.7	
3	6.9	6.7		6.8	6.5		6.6	6.6		7.0	6.6	
4	7.1	6.7		6.8	6.6		6.6	6.6		6.9	6.6	
5	7.7	6.7		6.7	6.6		6.7	6.6		6.9	6.6	
6	6.8	6.7		6.7	6.6		6.7	6.6		6.8	6.6	
7	7.1	6.7		7.2	6.6		6.7	6.5		7.1	6.6	
8	7.0	6.7		8.3	6.6		6.7	6.5		7.0	6.6	
9	7.0	6.7		7.9	6.6		7.1	6.5		7.2	6.5	
10	6.9	6.7		8.0	6.6		6.8	6.6		7.1	6.6	
11	8.3	6.7		7.8	6.6		---	---		6.9	6.7	
12	7.3	6.7		7.1	6.6		6.7	6.6		6.9	6.7	
13	7.2	6.7		6.7	6.6		8.3	6.5		6.7	6.6	
14	8.3	6.7		---	---		8.2	6.6		6.9	6.6	
15	8.4	6.7		---	---		6.6	6.5		6.6	6.6	
16	7.7	6.7		7.0	6.6		6.7	6.5		6.8	6.6	
17	8.2	6.7		7.5	6.6		6.8	6.5		7.2	6.7	
18	8.5	6.7		---	---		6.8	6.7		6.9	6.7	
19	7.7	6.7		---	---		6.8	6.7		6.8	6.7	
20	7.0	6.6		6.7	6.5		7.0	6.7		6.8	6.7	
21	8.4	6.6		6.8	6.5		6.8	6.7		6.8	6.7	
22	7.0	6.6		8.5	6.6		6.9	6.7		6.8	6.7	
23	8.5	6.6		8.6	6.6		7.0	6.7		6.8	6.7	
24	8.1	6.7		7.1	6.5		6.9	6.7		6.9	6.7	
25	8.0	6.6		7.6	6.6		8.1	6.7		6.9	6.7	
26	8.3	6.6		8.2	6.5		7.4	6.8		6.7	6.7	
27	8.1	6.7		7.1	6.5		7.4	6.7		6.8	6.7	
28	8.1	6.7		6.7	6.5		7.5	6.7		7.3	6.7	
29	7.1	6.6		6.7	6.5		7.1	6.7		7.0	6.7	
30	7.1	6.6		6.8	6.5		7.0	6.7		6.8	6.7	
31	---	---		6.7	6.6		7.0	6.7		---	---	
YEAR	9.0	6.3										

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	25.5	17.0	23.5	17.0	14.0	16.5	12.0	8.5	12.0	6.0	5.0	5.5
2	25.5	24.0	25.0	17.5	15.5	16.5	12.5	9.0	11.5	6.5	5.0	5.5
3	25.5	21.0	25.0	18.0	16.5	17.0	12.5	9.0	11.5	6.5	5.0	6.0
4	26.5	19.5	24.5	18.0	15.0	17.0	12.5	9.5	11.5	7.0	6.0	7.0
5	25.5	20.5	24.0	17.5	15.5	17.0	---	---	---	7.5	6.0	7.5
6	25.0	21.5	23.5	17.5	14.0	16.5	---	---	---	7.0	5.0	6.5
7	24.0	19.5	21.5	17.0	14.5	16.5	---	---	---	7.0	4.5	6.0
8	23.0	17.5	21.5	17.0	14.0	16.0	---	---	---	7.5	5.0	6.5
9	21.0	16.0	19.5	17.0	14.5	16.0	---	---	---	7.0	5.5	6.5
10	20.5	17.5	19.5	17.0	14.5	16.5	---	---	---	6.5	4.5	6.0
11	21.0	18.0	19.5	16.5	13.0	15.0	---	---	---	6.0	2.5	5.0
12	20.5	18.0	19.5	16.0	13.0	14.5	---	---	---	8.0	2.5	6.0
13	20.5	17.5	19.0	15.0	12.5	14.0	---	---	---	8.0	6.0	7.0
14	22.0	17.0	20.5	17.0	13.5	16.0	---	---	---	9.5	3.0	6.0
15	23.0	20.0	22.0	16.5	14.0	15.5	---	---	---	10.0	3.0	6.0
16	23.5	20.0	22.0	16.5	14.0	15.5	11.0	10.5	11.0	10.5	7.5	4.5
17	24.0	20.0	22.5	16.0	13.0	15.0	10.5	9.0	10.0	9.5	7.5	4.0
18	23.5	20.5	22.5	15.0	12.5	14.5	9.5	7.0	9.0	10.0	7.0	9.0
19	24.0	21.5	22.5	15.0	13.0	14.5	9.5	7.5	9.0	10.0	7.5	4.0
20	24.5	21.0	22.5	15.0	11.0	13.5	9.0	7.5	9.0	9.5	8.0	9.0
21	23.5	19.0	21.0	14.5	11.0	13.5	9.0	6.0	8.0	9.0	7.0	7.5
22	21.5	18.5	20.5	14.0	12.5	13.5	9.5	5.5	8.0	7.5	6.0	7.0
23	21.0	20.0	20.0	---	---	---	8.0	5.0	7.5	---	---	---
24	20.0	19.5	20.0	---	---	---	8.0	3.5	7.5	---	---	---
25	19.0	14.5	18.0	14.0	13.5	14.0	8.0	5.0	7.0	---	---	---
26	18.5	13.5	17.5	13.5	10.5	12.5	7.5	4.0	6.5	6.0	5.5	5.5
27	19.0	14.0	18.0	13.0	9.5	12.0	---	---	---	6.5	5.5	6.0
28	19.0	16.5	18.0	13.0	12.0	12.5	---	---	---	7.0	4.5	5.5
29	19.0	15.5	17.5	12.0	7.5	11.0	---	---	---	6.5	5.0	5.5
30	17.5	15.5	17.0	12.0	9.5	11.5	---	---	---	8.0	5.5	6.0
31	17.5	14.5	16.5	---	---	---	8.0	5.5	6.0	6.0	5.5	5.5

## 113

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.5	6.0	7.0	---	---	---	16.0	11.5	13.0	21.5	18.0	20.0
2	10.5	6.5	8.0	---	---	---	16.5	12.0	13.5	21.0	19.0	20.0
3	9.5	6.0	7.5	---	---	---	16.0	12.0	13.5	20.5	18.0	19.5
4	7.0	5.5	6.5	---	---	---	16.5	12.0	13.0	19.5	18.0	19.0
5	8.0	5.0	6.5	---	---	---	17.0	12.0	13.5	23.0	18.5	19.5
6	7.5	5.5	7.0	---	---	---	16.5	13.0	14.5	21.0	18.5	19.5
7	7.0	5.5	6.5	---	---	---	16.0	13.0	14.5	20.5	18.5	19.5
8	8.0	4.5	6.5	---	---	---	16.0	13.0	14.0	19.0	18.5	19.0
9	8.0	5.5	6.5	12.0	10.0	11.0	16.0	13.0	14.0	19.5	18.0	19.0
10	9.0	6.0	7.0	12.0	9.5	10.5	19.0	13.5	15.5	19.5	19.0	19.0
11	10.5	7.5	8.0	11.0	9.5	10.5	17.0	13.5	14.5	19.5	18.0	18.5
12	9.5	7.5	8.5	11.5	10.0	10.5	18.0	14.0	15.0	20.0	18.0	18.5
13	8.5	5.0	7.0	12.5	10.0	11.0	18.5	15.0	17.0	21.5	18.5	19.5
14	10.0	6.0	8.0	11.0	10.5	11.0	19.0	14.5	16.0	20.0	18.5	19.0
15	10.5	8.0	9.5	---	---	---	20.0	15.5	18.0	20.5	18.5	19.0
16	10.5	7.0	8.5	10.0	9.5	10.0	19.5	15.0	16.5	22.0	18.5	19.5
17	12.0	8.0	11.0	11.0	9.5	10.0	18.5	15.5	16.5	20.5	19.5	20.0
18	13.0	10.5	11.0	11.5	9.5	10.0	18.0	15.0	16.5	20.5	19.0	19.5
19	12.0	7.5	10.5	10.5	10.0	10.0	19.0	16.5	18.0	21.0	18.5	19.5
20	7.5	7.0	7.0	10.0	10.0	10.0	21.0	15.5	18.0	21.0	19.5	20.0
21	9.5	7.0	8.0	11.0	9.5	10.5	19.0	16.0	18.0	20.5	19.5	20.0
22	9.0	7.0	8.0	10.0	10.0	10.0	19.0	16.0	18.0	21.0	19.5	20.0
23	11.0	5.5	7.0	10.0	9.0	9.5	18.5	16.0	17.0	21.0	19.5	20.0
24	10.5	7.5	8.0	12.0	9.0	10.0	18.0	16.0	16.5	21.0	19.5	20.0
25	10.0	5.5	7.5	11.0	9.5	10.0	18.5	16.5	17.5	21.5	19.5	20.0
26	9.0	6.0	8.0	10.5	10.0	10.0	18.0	17.0	17.5	21.5	19.5	20.0
27	9.0	6.0	7.5	11.0	10.0	10.0	19.0	17.0	18.0	22.0	19.5	20.5
28	7.5	5.5	6.5	12.0	10.5	11.0	19.0	17.0	18.0	23.0	19.5	21.0
29	---	---	---	14.0	10.5	11.0	20.5	17.0	18.0	24.5	20.5	21.5
30	---	---	---	13.5	10.0	11.0	19.5	17.5	18.0	23.5	20.5	21.5
31	---	---	---	13.0	11.0	11.5	---	---	---	24.0	20.5	22.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	23.5	21.5	22.5	26.5	26.0	26.0	27.5	26.0	27.0	29.0	25.0	27.0
2	23.5	21.0	22.0	26.0	25.5	26.0	27.0	24.5	26.0	28.5	26.5	27.0
3	23.5	21.0	22.0	26.0	25.5	26.0	27.5	24.5	26.0	28.0	26.5	27.0
4	24.0	21.5	22.5	26.0	25.0	25.5	27.5	26.0	26.5	27.5	26.5	27.0
5	25.0	22.0	23.5	26.0	25.5	25.5	28.0	27.0	27.5	27.0	25.0	26.5
6	25.0	21.5	22.5	26.0	25.5	26.0	28.0	27.0	27.5	27.0	26.0	26.5
7	26.0	21.5	23.5	27.5	25.5	26.5	28.0	27.0	27.5	27.0	26.5	26.5
8	26.0	22.5	23.5	30.0	26.5	27.5	28.0	27.0	27.5	27.5	25.5	26.5
9	24.5	22.5	23.5	29.5	26.0	27.5	29.0	26.5	28.0	27.5	25.0	26.5
10	25.0	22.5	23.5	30.0	26.5	28.0	28.0	27.0	27.5	27.5	25.0	26.5
11	27.5	23.5	25.0	29.5	26.5	27.5	---	---	---	30.0	26.5	28.0
12	25.5	24.0	24.5	29.0	26.5	27.5	28.0	27.5	27.5	28.5	27.0	28.0
13	26.0	24.0	25.0	29.0	26.5	27.5	30.0	27.0	28.0	---	25.0	---
14	28.0	23.5	25.5	---	---	---	29.0	27.5	28.0	27.0	26.0	26.5
15	28.5	24.0	26.0	---	---	---	28.0	27.5	27.5	26.0	26.0	26.0
16	28.0	24.5	26.5	28.5	27.0	27.5	28.0	27.5	27.5	26.5	26.0	26.0
17	30.0	25.0	27.0	31.0	27.5	29.0	28.0	25.5	27.5	27.5	26.0	26.5
18	30.0	25.5	27.5	---	---	---	27.5	27.0	27.0	26.0	25.0	26.0
19	28.5	25.0	26.5	---	---	---	27.0	26.5	26.5	26.0	24.5	25.5
20	27.5	24.5	26.0	28.0	27.5	28.0	27.0	24.0	26.0	25.5	24.0	25.0
21	28.0	25.0	26.0	29.0	27.0	28.0	26.5	25.0	26.5	25.5	23.5	25.0
22	27.5	25.0	26.0	31.0	28.0	29.0	27.5	25.0	26.5	25.0	23.5	25.0
23	29.5	25.5	27.5	30.5	28.0	29.0	27.0	25.5	26.5	25.5	24.0	25.0
24	28.5	26.0	27.0	30.5	27.5	29.0	27.5	25.5	26.0	26.0	23.0	24.5
25	28.0	26.0	27.0	31.0	28.0	29.0	28.0	26.0	26.5	26.0	24.0	25.0
26	28.5	26.0	27.5	30.5	28.0	29.0	27.0	26.5	26.5	25.0	24.5	24.5
27	28.0	26.5	27.0	29.5	28.0	28.5	28.5	26.5	26.5	24.5	24.0	24.5
28	28.0	26.0	27.0	29.0	28.0	28.5	27.5	26.0	26.5	26.0	24.5	25.0
29	27.5	26.0	26.5	29.0	28.0	28.5	27.0	26.5	26.5	25.5	23.5	24.5
30	27.0	25.5	26.5	28.5	28.0	28.0	27.0	26.0	26.5	25.0	23.0	24.5
31	---	---	---	28.0	27.5	27.5	27.5	26.5	26.5	---	---	---
YEAR	31.0	2.5	12.0									

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.1	4.5	5.0	8.6	7.7	7.9	8.2	6.9	7.3	12.3	11.6	11.8
2	4.9	4.3	4.5	8.2	7.8	8.0	8.1	7.2	7.5	12.3	11.7	11.8
3	5.8	4.0	4.2	8.2	7.5	7.8	8.0	7.2	7.6	12.2	11.7	11.9
4	6.5	4.1	4.7	8.5	7.7	8.1	7.9	7.3	7.5	12.3	11.7	11.9
5	6.2	5.4	5.7	9.0	8.1	8.5	---	---	---	12.1	11.7	11.9
6	7.3	6.8	7.0	9.1	8.3	8.5	---	---	---	12.9	11.7	12.0
7	8.8	5.9	7.3	9.1	8.3	8.5	---	---	---	13.0	11.8	12.2
8	6.4	5.4	5.7	9.1	8.4	8.7	---	---	---	12.7	11.8	12.2
9	6.9	5.8	6.2	9.1	8.6	8.8	---	---	---	12.7	12.0	12.2
10	6.8	6.1	6.4	9.4	8.8	9.1	---	---	---	13.0	12.0	12.3
11	7.2	6.6	6.7	9.7	9.2	9.4	---	---	---	13.5	12.1	12.6
12	7.7	6.9	7.2	9.7	9.0	9.4	---	---	---	13.3	11.5	12.1
13	8.0	7.6	7.8	9.6	7.9	8.8	---	---	---	12.2	11.5	11.7
14	8.4	7.4	7.8	8.7	7.8	8.2	---	---	---	12.2	11.4	11.9
15	8.2	7.4	7.6	8.8	8.1	8.5	---	---	---	12.6	11.8	12.1
16	7.9	7.2	7.6	9.7	8.8	9.1	11.7	10.8	11.4	12.4	11.7	11.9
17	8.2	6.7	7.2	9.7	8.7	9.1	11.7	11.1	11.3	12.4	11.7	11.9
18	7.4	6.8	7.1	9.3	8.6	8.9	11.6	10.6	10.9	12.2	11.6	11.8
19	7.6	7.2	7.4	9.1	8.7	8.9	11.5	10.6	10.9	12.7	11.7	12.2
20	8.0	7.6	7.8	9.5	8.7	9.0	11.2	10.7	11.0	12.8	11.5	12.4
21	8.7	6.6	7.8	9.8	8.8	9.1	11.5	10.7	10.9	12.7	11.7	12.2
22	7.2	6.6	6.9	9.5	9.0	9.2	11.6	10.7	11.1	12.0	10.1	11.1
23	7.1	6.8	6.9	10.0	9.0	9.5	12.0	11.0	11.3	12.8	11.7	12.1
24	7.1	6.7	6.9	9.9	9.3	9.4	12.6	11.0	11.3	12.9	10.3	11.8
25	7.3	6.0	6.7	10.4	8.9	9.5	12.1	11.0	11.4	13.5	13.0	13.2
26	8.4	6.7	7.2	9.6	8.7	9.0	13.4	11.0	11.5	13.4	11.7	12.6
27	9.0	6.4	7.7	8.9	7.3	8.3	15.0	14.0	14.7	12.4	12.0	12.3
28	7.4	6.6	7.1	8.1	7.4	7.7	14.5	12.4	13.4	12.4	12.2	12.3
29	7.8	7.0	7.3	8.4	6.7	7.2	12.4	10.7	11.2	12.4	11.9	12.1
30	8.1	7.5	7.7	7.5	6.8	7.0	11.3	10.8	11.0	12.1	11.8	12.0
31	8.3	7.6	7.8	---	---	---	11.8	11.6	11.6	12.1	11.1	11.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	9.2	8.3	8.8	11.5	9.7	11.0	11.7	9.0	10.4
2	---	---	---	9.3	7.9	8.7	11.4	9.5	10.8	10.6	8.8	9.9
3	12.5	12.1	12.3	9.4	8.5	9.1	11.4	9.8	10.8	10.2	8.7	9.6
4	12.5	12.0	12.2	9.3	8.8	9.1	11.3	9.8	10.4	10.9	8.4	9.9
5	12.1	9.5	10.4	9.2	8.4	8.8	11.1	9.5	10.6	11.6	9.5	10.3
6	9.6	9.0	9.2	9.5	8.9	9.2	12.1	9.2	10.8	11.0	9.4	10.0
7	10.1	9.3	9.5	10.4	9.1	9.8	12.3	9.7	11.0	10.6	9.3	10.1
8	10.0	9.4	9.7	10.2	9.0	9.7	11.2	10.0	10.7	10.0	9.1	9.8
9	10.3	9.6	9.9	11.0	9.0	9.7	11.3	10.1	10.7	10.2	9.3	9.7
10	9.8	9.4	9.5	9.6	8.7	9.1	13.4	10.1	11.7	9.6	9.1	9.3
11	9.6	7.9	9.0	9.3	9.0	9.1	11.3	10.2	10.7	9.3	8.9	9.1
12	8.4	7.9	8.1	8.9	8.3	8.5	11.1	9.6	10.5	10.1	8.9	9.5
13	12.4	5.2	9.4	8.4	7.7	8.0	13.0	9.6	11.3	10.9	9.3	9.8
14	10.3	9.2	9.5	8.1	7.7	7.9	12.2	9.6	10.8	9.4	9.0	9.2
15	9.9	9.3	9.6	---	---	---	11.6	9.1	10.4	9.8	8.9	9.3
16	9.5	9.4	9.5	10.9	9.7	10.3	11.1	9.2	10.2	11.3	9.1	10.3
17	9.7	9.2	9.5	11.3	9.9	10.3	10.8	9.5	10.0	10.5	9.0	9.7
18	9.8	9.4	9.7	12.0	11.6	11.9	11.1	9.2	10.1	9.3	8.4	9.0
19	9.8	9.3	9.6	12.3	11.6	11.8	11.0	9.2	10.1	10.2	8.6	9.0
20	9.5	9.3	9.3	11.9	11.6	11.7	10.6	8.3	9.7	9.7	8.5	9.3
21	9.2	8.4	9.0	12.0	11.5	11.7	11.0	8.9	10.0	9.9	8.3	9.2
22	9.2	8.5	8.9	11.8	11.6	11.6	10.1	8.5	9.4	9.9	8.4	9.0
23	9.2	7.8	8.9	12.1	11.6	11.7	9.9	8.2	9.2	10.6	8.3	9.0
24	8.9	7.8	8.5	12.0	11.6	11.8	9.8	9.3	9.6	10.3	8.1	8.6
25	8.8	8.0	8.6	12.1	11.6	11.8	10.0	9.4	9.7	9.5	7.9	8.6
26	8.8	8.1	8.5	12.0	11.5	11.7	9.8	9.1	9.6	8.5	7.9	8.2
27	9.0	8.2	8.8	12.0	11.4	11.6	9.6	9.0	9.3	9.9	7.7	8.4
28	9.0	8.6	8.8	11.7	11.5	11.6	9.6	9.0	9.3	10.0	7.7	8.6
29	---	---	---	11.7	10.9	11.5	9.5	9.0	9.3	10.3	7.5	8.7
30	---	---	---	11.6	10.7	11.3	10.2	9.0	9.4	9.7	8.9	7.8
31	---	---	---	11.8	11.0	11.4	---	---	---	9.8	7.3	8.0



## 115

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

[illegible]

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.

LOCATION.--Lat 34°15'38", long 81°19'50", Fairfield County, Hydrologic Unit 03050106, on left bank 100 ft (30 m) below dam, 0.3 mi (0.5 km) upstream from Mayo Creek, 2.5 mi (4.0 km) west of Jenkinsville, and at mile 201.4 (324 km).

DRAINAGE AREA.--4,750 mi<sup>2</sup> (10,340 km<sup>2</sup>), approximately.

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

PERIOD OF DAILY RECORDS.--

SPECIFIC CONDUCTANCE: October 1973 to current year.

pH: October 1973 to current year.

WATER TEMPERATURE: October 1973 to current year.

DISSOLVED OXYGEN: October 1973 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1973.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 121 micromhos Oct. 25, 1979; minimum, 30 micromhos Mar. 30, 1980.

pH: Maximum, 8.3 units July 24, 1977; minimum, 5.9 units Oct. 10, 1976.

WATER TEMPERATURE: Maximum, 32.5°C Aug. 25, 1975; July 25, 1976; July 11, 16, 1977; minimum, 0.5°C Jan. 19-21, 1977.

DISSOLVED OXYGEN: Maximum, 13.9 mg/l Jan. 21, 22, 1976; minimum, 2.9 mg/l July 2, 14-15, 1981.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 114 micromhos Sept. 6; minimum, 35 micromhos Nov. 30.

pH: Maximum, 7.6 units Jan. 8-15, 17-18; minimum, 6.2 units Oct. 1-3.

WATER TEMPERATURE: Maximum, 31.5°C July 21; minimum, 3.5°C Jan. 12.

DISSOLVED OXYGEN: Maximum, 13.1 mg/l Jan. 19; minimum, 2.9 mg/l July 2, 14-15.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	51	38	43	53	48	49	45	36	40	48	47	48
2	51	38	42	51	49	50	44	39	42	48	47	47
3	55	45	49	51	48	50	44	39	42	49	47	48
4	56	46	51	49	48	48	45	42	44	49	48	48
5	58	52	55	48	47	48	43	41	42	48	47	47
6	62	56	59	48	46	47	43	41	42	48	47	48
7	63	59	62	47	46	46	45	43	44	49	48	48
8	64	60	62	47	45	46	46	43	45	49	48	48
9	66	61	64	50	46	48	46	45	46	49	48	48
10	66	59	62	52	48	50	47	45	46	49	48	48
11	60	53	57	50	47	48	47	45	46	49	48	48
12	55	51	53	50	47	48	47	46	46	49	47	48
13	52	49	51	49	47	48	48	46	47	51	49	50
14	---	---	---	48	47	48	51	46	48	51	49	50
15	53	52	52	50	48	48	49	47	48	52	51	51
16	57	52	54	51	50	50	48	47	47	52	51	51
17	58	54	55	51	47	49	49	47	48	51	50	50
18	57	54	55	49	46	47	47	47	47	53	50	51
19	56	55	55	49	46	48	49	48	48	52	50	51
20	63	54	59	47	45	46	48	47	47	52	51	51
21	58	54	55	46	45	46	47	46	47	52	51	51
22	60	56	58	46	45	46	47	46	47	54	52	52
23	59	50	56	46	45	46	47	46	47	53	52	52
24	51	47	49	47	46	47	49	47	48	56	52	54
25	48	46	47	47	45	46	48	46	47	54	52	53
26	51	47	48	46	44	45	48	46	47	58	54	55
27	52	49	50	45	42	44	47	45	46	58	55	57
28	---	---	---	43	40	42	46	44	46	59	55	57
29	---	---	---	42	37	40	47	44	46	59	56	57
30	51	50	50	39	35	37	47	44	46	58	55	57
31	50	46	48	---	---	---	48	46	47	59	55	56



## SANTEE RIVER BASIN

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.4	6.2		7.1	7.0		7.2	7.0		7.5	7.3	
2	6.3	6.2		7.1	7.0		7.2	7.1		7.5	7.3	
3	6.7	6.2		7.1	7.0		7.2	7.1		7.5	7.3	
4	6.5	6.3		7.0	6.9		7.3	7.2		7.5	7.4	
5	6.6	6.4		7.0	6.9		7.3	7.2		7.5	7.4	
6	6.7	6.6		7.0	7.0		7.3	7.1		7.5	7.4	
7	6.9	6.5		7.0	6.9		7.3	7.2		7.5	7.5	
8	6.7	6.6		7.0	7.0		7.3	7.1		7.6	7.4	
9	6.9	6.5		7.0	6.9		7.4	7.2		7.6	7.5	
10	6.9	6.8		7.1	6.9		7.2	7.2		7.6	7.5	
11	6.9	6.8		7.1	7.0		7.4	7.1		7.6	7.5	
12	6.9	6.8		7.1	7.1		7.4	7.2		7.6	7.4	
13	6.9	6.8		7.3	7.1		7.3	7.1		7.6	7.5	
14	---	---		7.2	7.1		7.2	7.1		7.6	7.5	
15	7.0	6.9		7.1	7.1		7.4	7.2		7.6	7.5	
16	7.0	6.8		7.1	7.0		7.4	7.2		7.5	7.4	
17	6.9	6.8		7.2	7.1		7.5	7.2		7.6	7.5	
18	6.9	6.8		7.2	7.1		7.5	7.4		7.6	7.5	
19	6.9	6.8		7.1	7.1		7.3	7.1		7.6	7.5	
20	7.0	6.9		7.1	7.0		7.4	7.2		7.5	7.4	
21	7.0	6.8		7.1	7.0		7.4	7.3		7.5	7.4	
22	7.0	6.9		7.1	7.0		7.4	7.3		7.5	7.4	
23	7.0	6.9		7.1	7.1		7.4	7.3		7.5	7.4	
24	7.1	7.0		7.1	7.0		7.4	7.3		7.5	7.4	
25	7.1	7.0		7.2	7.1		7.4	7.3		7.5	7.4	
26	7.1	7.0		7.2	7.1		7.4	7.3		7.4	7.4	
27	7.1	7.0		7.2	7.1		7.5	7.3		7.4	7.3	
28	---	---		7.2	7.1		7.4	7.4		7.4	7.4	
29	---	---		7.1	7.0		7.4	7.3		7.4	7.4	
30	7.2	7.0		7.1	7.0		7.4	7.3		7.4	7.3	
31	7.1	7.0		---	---		7.4	7.3		7.4	7.3	
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	7.4	7.3		7.1	7.0		7.1	7.0		7.0	6.8	
2	7.4	7.3		7.0	7.0		7.0	6.9		6.9	6.8	
3	7.4	7.3		7.1	7.0		7.0	6.9		6.9	6.8	
4	7.4	7.3		7.1	7.0		7.0	6.9		6.9	6.8	
5	7.4	7.3		7.1	7.1		7.0	6.9		6.9	6.8	
6	7.4	7.3		7.1	7.1		7.1	6.9		6.8	6.8	
7	7.4	7.3		7.2	7.1		7.1	7.0		6.8	6.8	
8	7.3	7.3		7.2	7.1		7.1	7.0		7.0	6.8	
9	7.3	7.3		7.2	7.1		7.1	7.0		6.9	6.8	
10	7.3	7.3		7.3	7.2		7.1	7.0		6.9	6.8	
11	7.3	6.7		7.2	7.1		7.2	7.1		6.9	6.8	
12	7.1	6.7		7.2	7.1		7.1	7.0		6.9	6.8	
13	7.2	6.9		7.1	7.1		7.2	7.0		6.9	6.7	
14	7.2	6.9		7.2	7.1		7.3	7.1		6.8	6.5	
15	7.1	6.9		7.2	7.1		7.3	7.1		6.9	6.8	
16	7.1	6.9		7.3	7.1		7.1	6.9		7.0	6.8	
17	7.2	7.0		7.3	7.1		7.1	7.0		6.8	6.7	
18	7.2	6.9		7.3	7.1		7.1	7.0		6.8	6.7	
19	7.0	6.9		7.2	7.1		7.0	6.9		6.9	6.7	
20	7.0	6.7		7.2	7.1		6.9	6.9		6.8	6.8	
21	6.9	6.7		7.2	7.1		7.1	6.9		6.9	6.8	
22	6.8	6.8		7.3	7.2		7.1	6.9		6.9	6.8	
23	7.0	6.8		7.2	7.1		6.9	6.8		6.9	6.8	
24	7.1	6.9		7.2	7.1		7.0	6.9		6.9	6.8	
25	7.0	7.0		7.2	7.1		7.0	6.9		6.8	6.7	
26	7.0	7.0		7.3	7.1		6.9	6.9		6.8	6.7	
27	7.0	7.0		7.2	7.1		6.9	6.8		6.7	6.6	
28	7.1	7.0		7.2	7.1		7.0	6.8		6.8	6.7	
29	---	---		7.2	7.1		6.9	6.8		6.8	6.7	
30	---	---		7.2	7.1		6.9	6.8		6.8	6.6	
31	---	---		7.2	7.0		---	---		6.7	6.7	

## SANTÉE RIVER BASIN

119

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.7	6.5		6.5	6.5		6.6	6.6		6.6	6.5	
2	6.7	6.6		6.5	6.4		6.7	6.6		6.5	6.4	
3	6.7	6.6		6.6	6.4		6.7	6.5		6.5	6.5	
4	6.6	6.6		6.7	6.5		6.6	6.5		6.5	6.4	
5	6.7	6.6		6.6	6.5		6.5	6.5		6.5	6.3	
6	6.7	6.6		6.6	6.4		6.6	6.5		6.6	6.5	
7	6.7	6.6		6.5	6.4		6.6	6.5		6.6	6.5	
8	6.6	6.5		6.5	6.4		6.7	6.5		6.5	6.5	
9	6.7	6.5		6.5	6.4		6.5	6.5		6.5	6.5	
10	6.7	6.6		6.5	6.4		6.5	6.5		6.6	6.4	
11	6.7	6.5		6.6	6.4		6.5	6.5		6.6	6.4	
12	6.7	6.6		6.6	6.5		6.5	6.4		6.5	6.4	
13	6.8	6.5		6.5	6.5		6.5	6.4		6.6	6.4	
14	6.8	6.5		6.6	6.4		6.5	6.4		6.4	6.3	
15	6.7	6.4		6.6	6.4		6.6	6.5		6.5	6.4	
16	6.7	6.4		6.6	6.4		6.6	6.4		6.5	6.4	
17	6.6	6.4		6.6	6.5		6.5	6.4		6.5	6.3	
18	6.7	6.5		6.6	6.4		6.5	6.4		6.6	6.5	
19	6.7	6.5		6.6	6.4		6.7	6.5		6.6	6.5	
20	6.8	6.5		6.5	6.4		6.7	6.6		6.6	6.5	
21	6.8	6.5		6.5	6.3		6.6	6.6		6.6	6.5	
22	6.8	6.5		6.5	6.3		6.7	6.5		6.6	6.4	
23	6.7	6.5		6.6	6.4		6.6	6.6		6.6	6.5	
24	6.6	6.5		6.6	6.5		7.0	6.5		6.6	6.5	
25	6.6	6.5		6.6	6.4		6.7	6.6		6.7	6.5	
26	6.7	6.4		6.7	6.5		6.7	6.5		6.6	6.6	
27	6.7	6.5		6.7	6.4		6.7	6.5		6.7	6.6	
28	6.9	6.5		6.5	6.4		6.6	6.5		6.7	6.5	
29	6.7	6.5		6.5	6.4		6.8	6.4		6.7	6.5	
30	6.6	6.5		6.5	6.4		6.6	6.4		6.7	6.4	
31	---	---		6.6	6.5		6.6	6.4		---	---	
YEAR	7.6	6.2										

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.5	18.5	19.0	17.0	14.5	15.0	13.0	8.0	10.5	9.0	8.0	8.5
2	22.0	19.0	20.0	16.0	13.5	15.0	12.5	9.5	11.5	8.5	8.0	8.5
3	23.5	19.5	21.5	17.5	13.5	15.0	11.5	9.5	11.0	9.0	7.5	8.0
4	23.5	20.0	21.5	17.5	16.0	17.0	12.0	10.5	11.5	9.0	7.0	8.0
5	22.0	20.0	21.5	17.5	16.5	17.0	11.0	9.5	10.5	7.5	6.5	7.0
6	22.5	20.5	21.5	16.0	15.0	15.5	10.0	8.5	9.5	7.5	6.5	7.0
7	23.5	20.0	22.0	17.0	14.5	16.0	11.5	9.5	10.5	7.5	7.0	7.0
8	23.5	21.5	22.5	17.5	15.5	16.5	10.5	7.5	9.0	7.5	6.0	6.5
9	23.0	22.0	22.5	20.5	16.0	17.5	12.0	10.5	11.5	6.5	6.0	6.5
10	23.5	22.0	22.5	20.0	16.0	17.5	12.0	11.0	11.5	7.0	5.5	6.5
11	24.0	22.0	23.0	18.0	16.5	17.0	11.5	10.5	11.0	6.0	4.5	5.0
12	23.0	21.0	22.0	16.5	16.0	16.0	11.5	10.5	11.0	6.5	3.5	5.0
13	21.5	20.0	21.0	16.0	15.5	15.5	11.5	9.5	10.5	7.5	6.0	6.5
14	---	---	---	16.0	15.0	15.5	10.0	8.5	9.5	8.0	6.0	7.0
15	23.0	21.5	22.0	16.0	14.0	16.0	11.0	8.5	10.0	8.5	5.5	7.0
16	21.5	20.0	21.0	15.0	13.0	14.0	11.0	9.5	10.5	8.0	6.0	6.5
17	22.0	20.5	21.0	15.0	12.0	14.0	11.0	10.5	10.5	7.5	6.0	6.5
18	22.5	21.5	22.0	15.5	12.0	14.5	11.0	10.5	10.5	7.0	5.0	6.0
19	22.5	21.5	22.0	14.0	11.5	12.5	11.0	9.5	10.5	6.5	5.5	6.0
20	21.0	20.0	20.5	13.5	11.0	12.5	10.5	9.5	10.0	6.5	6.0	6.0
21	21.5	20.0	20.5	14.0	12.0	13.0	10.0	8.5	9.5	7.0	6.0	6.5
22	20.5	19.0	20.0	13.5	10.5	12.5	9.5	7.0	8.5	8.0	6.0	6.5
23	19.5	18.5	19.0	12.5	11.0	12.0	9.5	6.0	9.0	7.5	5.5	6.5
24	19.0	17.5	18.5	13.5	9.5	12.0	10.0	7.0	9.0	8.0	6.0	7.0
25	19.0	15.5	18.0	14.0	12.5	13.5	9.0	6.0	8.0	8.0	6.0	7.0
26	17.0	14.0	15.5	13.0	10.5	12.0	7.5	5.5	6.5	9.5	6.5	7.5
27	16.0	15.0	15.5	12.5	10.0	11.5	7.5	5.5	7.0	9.5	8.0	9.0
28	---	---	---	12.0	9.0	10.0	7.5	5.5	6.5	10.0	8.0	9.0
29	---	---	---	11.5	8.5	10.0	8.5	6.0	7.5	10.5	7.5	9.0
30	17.0	15.5	16.0	9.5	8.0	9.0	9.0	7.0	8.5	10.0	7.0	8.5
31	17.5	14.0	16.5	---	---	---	8.5	8.0	8.5	8.5	6.0	7.0



02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.0	7.0	8.0	13.5	11.5	12.5	16.5	12.0	14.0	22.0	20.0	21.0
2	11.0	7.0	9.5	15.0	12.5	13.5	16.0	13.0	14.0	22.0	20.0	21.0
3	8.5	6.0	7.0	15.0	11.5	13.0	17.0	13.0	15.0	22.0	19.5	20.5
4	11.0	6.5	8.5	13.0	11.0	12.0	17.0	13.5	15.5	23.5	20.0	21.0
5	10.5	7.0	8.5	14.0	11.0	12.5	16.5	15.0	15.5	23.0	20.0	21.0
6	9.5	8.0	8.5	13.5	11.0	12.0	17.5	14.0	16.0	23.0	20.5	21.5
7	9.0	7.5	8.0	13.5	10.5	11.5	17.0	13.5	15.0	21.0	19.5	20.5
8	12.0	8.0	9.5	12.5	10.0	11.0	17.0	14.5	15.5	20.0	19.0	19.5
9	10.0	6.5	8.5	12.0	10.5	11.5	17.0	15.0	15.5	21.5	19.0	20.5
10	13.5	10.0	11.5	12.0	10.0	11.0	19.0	14.0	15.5	21.0	20.5	21.0
11	14.5	7.5	10.5	12.0	10.0	11.0	18.5	15.5	17.0	21.5	20.0	21.0
12	11.5	7.0	8.5	13.0	9.5	10.5	21.0	17.5	19.0	22.0	19.5	20.5
13	16.5	8.0	11.0	12.0	10.0	11.0	20.5	17.0	18.0	23.0	20.0	21.5
14	15.0	10.0	11.5	12.5	10.0	11.0	19.5	16.5	18.0	22.0	20.5	21.5
15	14.5	10.0	11.5	13.0	10.0	11.5	20.5	16.0	18.0	22.5	19.0	21.0
16	12.5	11.0	12.0	12.5	11.0	12.0	21.5	18.0	19.5	22.0	19.0	21.0
17	---	---	---	12.5	9.5	11.0	19.5	17.5	18.0	22.0	20.5	21.5
18	11.5	8.5	10.0	12.0	10.5	11.0	20.5	17.0	18.5	23.5	21.0	22.0
19	12.0	11.0	11.5	11.0	9.5	10.5	21.0	16.5	19.0	23.5	21.0	22.0
20	12.0	10.0	11.5	11.0	10.0	10.5	22.5	19.5	21.0	21.5	20.0	21.0
21	12.0	10.0	11.5	11.5	10.0	10.5	20.5	18.0	19.5	21.5	19.5	20.5
22	12.0	10.5	11.5	11.0	10.0	10.5	20.0	18.0	19.0	23.0	20.0	21.0
23	12.5	8.5	10.5	10.0	9.5	9.5	20.5	18.0	19.0	24.5	21.0	22.0
24	11.5	8.0	9.5	10.5	9.5	10.0	20.5	17.5	18.5	24.5	22.0	22.5
25	11.0	7.5	9.0	11.5	10.0	10.5	20.0	18.0	18.5	24.5	21.5	22.5
26	11.0	8.5	10.0	13.0	10.5	11.5	22.0	18.5	20.0	23.0	21.0	22.0
27	12.5	10.0	10.5	13.0	11.0	12.0	22.5	19.5	20.5	23.0	20.5	21.5
28	13.0	10.0	11.5	14.0	10.5	12.0	23.0	19.0	20.0	24.0	21.0	22.0
29	---	---	---	19.5	13.0	14.0	21.0	19.0	20.0	24.5	21.5	22.0
30	---	---	---	15.5	12.5	14.5	21.5	19.0	20.5	25.5	21.5	23.0
31	---	---	---	16.5	11.5	13.5	---	---	---	23.5	21.5	22.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE												
1	24.5	22.5	23.5	28.0	27.5	27.5	27.0	26.5	27.0	28.5	27.0	27.5
2	25.0	22.5	23.5	27.5	26.5	27.0	27.5	26.5	27.0	28.5	27.0	27.5
3	25.5	22.5	23.5	27.0	26.5	26.5	27.5	25.5	26.5	28.0	27.0	27.5
4	25.5	23.0	24.0	27.5	26.0	27.0	29.0	27.0	27.5	28.0	27.0	27.5
5	26.5	23.0	24.0	28.5	26.5	27.5	29.5	27.5	28.5	28.0	26.0	27.5
6	26.5	23.0	24.5	28.0	26.5	27.5	29.5	28.0	28.5	28.0	27.0	27.5
7	26.5	23.0	24.5	28.0	26.5	27.5	30.5	27.5	28.5	27.5	27.0	27.5
8	27.5	24.0	26.0	29.5	27.0	28.0	29.5	28.0	28.5	28.0	26.5	27.0
9	27.0	24.0	25.0	29.5	27.5	28.0	28.5	27.5	28.0	27.0	26.0	26.5
10	27.5	24.0	25.5	30.0	27.5	28.5	29.0	28.0	28.0	27.0	25.5	26.0
11	27.5	24.5	25.5	30.0	27.5	28.5	29.5	28.0	28.5	27.5	26.0	26.5
12	28.0	25.0	26.0	30.0	27.5	28.5	29.0	28.0	28.5	27.0	26.0	26.5
13	29.0	25.0	26.0	30.0	28.0	28.5	29.5	28.0	28.5	27.5	26.0	26.5
14	29.0	25.5	26.5	30.5	28.0	28.5	29.5	28.0	28.5	28.0	26.5	26.5
15	29.5	25.5	26.5	31.5	28.0	29.5	30.0	28.5	29.0	28.0	26.5	27.0
16	29.5	25.5	27.0	30.0	28.5	29.0	30.0	28.0	29.0	27.5	26.5	27.0
17	29.5	26.0	27.5	30.5	28.5	29.0	29.0	27.5	28.0	27.0	26.0	26.5
18	30.0	27.0	28.5	29.5	28.5	29.0	27.5	26.5	27.0	26.5	25.0	26.0
19	30.0	27.0	28.0	30.0	28.0	29.0	26.5	25.5	25.5	25.5	24.0	25.0
20	29.5	27.0	28.0	30.5	28.5	29.0	26.5	25.0	25.5	25.0	24.5	24.5
21	30.5	26.5	28.0	31.5	28.5	29.5	26.5	25.5	26.0	26.0	24.0	24.5
22	30.5	27.5	28.5	31.0	28.5	29.5	27.0	25.5	26.5	26.5	24.5	25.0
23	30.0	27.0	28.5	30.5	29.0	29.5	27.0	26.5	26.5	26.0	25.0	25.0
24	30.0	28.0	28.5	30.5	29.5	30.0	28.0	26.0	27.0	25.5	24.0	24.5
25	30.0	28.0	28.5	30.5	29.0	29.5	28.0	27.0	27.5	25.5	23.5	24.5
26	29.5	27.5	28.5	31.0	29.5	30.0	28.0	27.0	27.5	25.0	23.5	24.0
27	29.0	28.0	28.5	31.0	29.5	30.0	28.0	26.5	27.0	26.0	24.0	24.5
28	29.0	27.5	28.5	31.5	29.0	29.5	27.5	25.5	27.0	25.5	23.5	24.5
29	29.5	27.5	28.5	30.5	28.5	29.5	27.5	27.0	27.5	25.5	24.0	25.0
30	28.5	27.5	28.0	29.0	27.5	28.0	27.5	27.0	27.5	25.5	24.0	24.5
31	---	---	---	27.0	26.5	26.5	28.0	27.0	27.5	---	---	---
YEAR	31.5	3.5	18.5									

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	9.5	9.0	9.4	7.8	7.1	7.5	10.3	8.9	9.5	10.0	8.8	9.5
2	9.4	8.8	9.2	8.3	7.2	7.7	9.2	8.5	8.8	9.2	8.4	8.9
3	9.2	6.7	7.2	8.3	6.8	7.7	9.2	8.0	8.5	9.3	7.9	8.6
4	7.6	6.7	7.1	7.3	6.1	6.7	9.3	8.2	8.5	10.6	8.2	9.3
5	8.0	7.0	7.5	6.5	5.6	5.9	9.4	8.3	8.8	11.0	8.2	9.6
6	8.4	7.4	7.7	8.2	5.8	6.5	10.1	7.5	8.7	11.1	10.3	10.8
7	7.5	6.2	6.8	8.5	6.1	7.1	9.0	7.5	8.4	10.1	7.8	9.1
8	7.4	5.7	6.5	7.2	6.1	6.6	11.3	7.6	8.9	11.6	7.1	9.4
9	7.1	5.6	6.5	8.1	6.2	7.1	9.5	8.9	9.2	9.1	7.4	8.3
10	5.9	5.3	5.6	8.0	7.4	7.6	9.3	8.7	9.0	9.9	8.4	9.1
11	6.1	5.2	5.7	8.0	7.1	7.5	9.1	8.3	8.7	11.2	9.6	10.2
12	6.0	5.4	5.6	7.7	7.1	7.5	10.4	8.9	9.9	10.9	10.2	10.4
13	6.0	5.6	5.8	9.1	7.4	8.6	9.5	8.1	8.7	10.6	9.4	10.2
14	---	---	---	9.0	6.7	7.7	9.7	8.3	9.0	10.6	9.5	10.1
15	6.6	5.6	6.2	6.9	5.1	6.2	10.4	8.1	9.0	10.4	9.5	10.0
16	7.4	6.5	7.0	7.0	5.1	5.9	9.7	5.8	7.8	10.9	10.1	10.5
17	7.2	5.7	6.7	8.2	6.0	7.1	9.3	7.8	8.5	11.3	10.8	11.0
18	6.5	5.9	6.2	---	---	---	9.0	8.1	8.6	11.4	10.9	11.2
19	6.4	6.2	6.3	9.4	9.1	9.2	10.7	10.0	10.4	13.1	9.1	11.6
20	7.2	6.7	6.9	9.8	9.3	9.5	10.6	10.0	10.3	9.8	8.7	9.2
21	7.4	5.7	6.6	9.7	9.0	9.3	10.8	10.2	10.5	9.9	9.0	9.4
22	6.8	5.7	6.0	9.8	8.8	9.2	11.0	10.3	10.7	11.5	9.0	9.5
23	6.5	5.9	6.2	9.8	9.0	9.2	11.4	9.6	10.4	12.0	8.9	10.5
24	8.0	6.3	6.9	10.0	8.8	9.1	10.6	9.6	9.9	9.8	8.9	9.3
25	7.3	6.4	6.7	10.1	8.6	9.2	10.3	9.5	9.9	10.1	9.1	9.5
26	7.7	6.9	7.3	9.8	8.9	9.4	10.9	10.1	10.5	10.4	9.3	9.7
27	8.4	5.9	7.2	9.2	8.5	8.8	10.7	9.9	10.2	9.8	7.5	9.0
28	---	---	---	9.6	8.7	9.2	11.0	10.2	10.6	10.3	6.3	8.2
29	---	---	---	9.0	8.3	8.7	11.6	10.2	11.1	9.0	6.7	7.7
30	7.5	7.1	7.3	9.0	8.6	8.9	11.9	9.9	11.1	9.7	7.2	8.5
31	8.1	6.7	7.2	---	---	---	10.9	9.7	10.2	10.0	7.8	9.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	8.4	7.2	7.7	9.6	9.1	9.4	10.5	8.9	9.9	7.1	6.5	6.8
2	8.5	7.4	8.1	10.1	8.8	9.3	10.0	8.7	9.5	7.0	6.5	6.7
3	10.4	7.7	9.6	9.6	8.8	9.1	9.8	8.6	9.4	6.8	6.4	6.6
4	10.2	7.9	9.3	9.8	9.0	9.4	9.6	8.9	9.4	7.6	6.0	6.7
5	9.5	8.3	9.2	9.5	8.8	9.1	9.6	8.6	9.2	6.7	5.8	6.2
6	9.6	8.7	9.2	9.6	8.8	9.2	9.8	8.4	8.9	6.4	5.5	5.9
7	9.7	9.1	9.4	9.8	8.9	9.3	9.8	8.9	9.4	6.3	5.4	5.8
8	9.6	8.6	9.1	9.8	8.5	9.5	9.8	8.9	9.4	6.7	6.1	6.4
9	10.2	7.7	9.4	10.5	8.7	9.5	9.5	8.9	9.3	6.5	4.8	5.7
10	7.0	5.6	6.3	10.9	10.2	10.6	10.1	9.1	9.6	6.0	4.7	5.5
11	10.0	5.8	8.2	11.0	9.4	10.0	10.2	9.3	9.9	5.7	4.7	5.2
12	10.1	6.9	8.3	11.0	9.6	10.6	9.2	8.7	9.0	6.1	5.2	5.7
13	10.1	8.1	9.1	9.6	8.1	8.9	9.8	8.6	9.2	6.0	5.5	5.7
14	10.5	8.7	9.6	10.3	8.0	9.4	9.8	9.1	9.4	6.8	5.8	6.3
15	10.9	9.6	10.4	10.4	9.3	9.0	9.8	8.1	9.2	6.7	5.7	6.1
16	11.4	9.6	10.6	10.0	8.6	9.3	8.4	7.5	7.9	7.0	5.9	6.4
17	11.8	10.8	11.3	10.3	8.2	9.3	8.4	8.1	8.2	7.1	6.0	6.6
18	11.8	7.4	9.6	10.2	9.5	9.9	8.3	8.0	8.2	7.0	6.4	6.7
19	10.5	10.3	10.4	9.8	9.6	9.7	8.2	7.1	7.9	7.3	6.8	6.7
20	10.6	9.9	10.2	10.1	9.3	9.9	7.4	6.7	7.0	6.9	6.5	6.7
21	10.2	9.5	9.8	10.2	9.9	10.1	7.9	7.4	7.6	8.2	6.6	7.5
22	10.1	9.4	9.6	10.3	9.9	10.1	7.9	7.0	7.6	8.1	7.6	7.8
23	10.9	9.6	10.1	10.5	10.2	10.4	8.2	7.0	7.5	7.7	7.4	7.6
24	10.9	9.7	10.5	10.7	10.4	10.6	8.0	7.3	7.7	7.6	7.2	7.4
25	11.0	9.9	10.6	11.5	10.5	11.0	7.6	7.0	7.3	7.5	7.1	7.2
26	10.5	9.7	10.1	11.3	10.9	11.1	7.2	6.7	6.9	7.1	6.5	6.9
27	10.1	9.5	9.8	11.2	10.8	11.0	7.2	6.6	6.9	6.7	6.3	6.6
28	9.9	9.4	9.6	10.9	10.6	10.7	7.3	6.9	7.1	6.7	6.2	6.4
29	---	---	---	10.7	10.2	10.3	7.2	6.6	6.9	7.0	6.2	6.5
30	---	---	---	10.3	9.7	10.1	6.8	6.3	6.6	6.6	5.9	6.2
31	---	---	---	10.5	9.8	10.3	---	---	---	6.3	5.8	6.0



## Santee River Basin

123

02161000 BROAD RIVER AT ALSTON, S.C.

LOCATION.--Lat 34°14'35", long 81°19'11", Fairfield County, Hydrologic Unit 03050106, on left bank at Southern Railway Alston-Peak trestle, 1.2 mi (1.93 km) downstream from Parr Shoals Dam, and at mi 200.2 (322.1 km).

DRAINAGE AREA.--4,790 mi<sup>2</sup> (12,400 km<sup>2</sup>).

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 210 ft (64.0 m) (from topographic map).

REMARKS.--Records good. Regulation at low and median flow by powerplants above station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 82,300 ft<sup>3</sup>/s (2,330 m<sup>3</sup>/s) Feb. 12, gage height 16.70 ft (5.090 m); minimum daily, 648 ft<sup>3</sup>/s (13.1 m<sup>3</sup>/s), Aug. 30.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30000	3630	7400	3630	2110	4940	12600	2080	3980	1390	3000	1440
2	15000	3440	5400	4290	2440	4000	10200	2830	4480	1940	3720	1460
3	7500	3440	4800	2720	3150	3150	5610	2850	4520	3780	4160	1570
4	6500	3860	4600	2760	2620	3030	5250	3370	5010	4540	4140	1870
5	6000	4880	4000	3120	3800	4460	5200	2150	7460	3740	2020	1570
6	5600	5370	3000	2670	2720	5180	5220	2120	4630	1920	2260	1870
7	5340	5560	2600	2730	2230	5250	5130	3010	4520	2390	2590	2250
8	4520	5510	3310	2800	2670	4830	5150	3400	4750	2860	3510	13600
9	3880	4310	3860	4740	3380	2700	3380	2200	2130	1500	3030	7880
10	2800	3510	4240	2900	3510	3840	3780	1980	2640	1380	2150	5130
11	2720	3570	4200	2720	22900	3350	4270	1970	2530	1750	2500	5130
12	2450	3460	5010	3780	25300	3510	2750	1880	3370	2110	2530	1620
13	2640	3550	4460	4940	20000	3130	3080	2880	3290	2590	1960	1050
14	2720	3530	4220	2780	6040	2330	5110	2510	2680	1470	1660	2800
15	2750	3550	3380	1280	4940	2200	4500	4220	2090	1680	1760	2670
16	2670	3460	2250	2320	4850	2200	2560	3940	1900	1560	2110	2640
17	2570	3960	3240	2760	4940	2200	2190	2160	2400	2040	1640	1130
18	2780	5060	3900	2640	5010	2780	3440	2320	1980	1460	1380	1340
19	2780	4600	3100	3350	5040	3100	4240	2620	2300	1630	3570	1330
20	2760	4400	3700	2750	17200	2950	2110	3240	2620	1520	1400	1040
21	3420	3800	3240	3030	17400	3570	4480	2720	3100	1550	1300	1340
22	3550	4200	4270	2880	8280	3550	4390	2620	1700	1420	1530	1880
23	3550	3400	4200	2810	8880	3760	4310	2150	2000	1110	1320	1620
24	3610	3000	2720	2860	4740	4060	3980	2020	2010	2040	1300	1080
25	3280	3200	2610	2880	5010	3940	2620	3010	1870	2010	1310	1320
26	2320	3400	2720	3380	5270	3980	3480	2640	1470	2290	1980	1330
27	2900	5400	2780	2610	5220	4970	3420	2000	1370	3130	2060	1320
28	3260	10000	4160	2880	5220	4670	2750	2900	1420	3220	1550	1850
29	3550	7000	3880	3100	---	3550	2260	8530	1380	2080	1300	1300
30	3530	6000	3120	2880	---	4000	2060	5320	1390	1560	648	1370
31	4610	---	2680	3240	---	5040	---	7120	---	1880	906	---
TOTAL	151620	132050	117050	94230	209870	114220	129520	94760	86990	65540	66294	73800
MEAN	4891	4402	3776	3040	7495	3685	4317	3057	2900	2114	2139	2460
MAX	30000	10000	7400	4940	25300	5250	12600	8530	7460	4540	4160	13600
MIN	2320	3000	2250	1280	2110	2200	2060	1880	1370	1110	648	1040
WTR YR 1981	TOTAL	1335044	MEAN	3660	MAX	30000	MIN	648				

02161500 BROAD RIVER AT RICHTEX, S.C.

LOCATION.--Lat 34°11'05", long 81°11'48", Richland County, Hydrologic Unit 03050106, on right bank 0.8 mi (1.3 km) west of Richtex, 1.2 mi (1.9 km) upstream from Little River, 10.2 mi (16.4 km) downstream from Parr Shoals Dam, and at mile 191.2 (307.6 km).

DRAINAGE AREA.--4,850 mi<sup>2</sup> (12,560 km<sup>2</sup>), approximately.

PERIOD OF RECORD.--October 1925 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 757: 1930(M). WSP 972: Drainage area. WSP 1383: 1929(M), 1933.

GAGE.--Water-stage recorder. Datum of gage is 184.84 ft (56.339 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Regulation at low and medium flow by powerplants above station.

AVERAGE DISCHARGE.--56 years, 6,214 ft<sup>3</sup>/s (176.0 m<sup>3</sup>/s), 17.40 in/yr (442 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 228,000 ft<sup>3</sup>/s (6,460 m<sup>3</sup>/s) Oct. 3, 1929, gage height, 30.7 ft (9.36 m) (from floodmarks), on basis of computation of flow over Parr Shoals Dam; minimum daily, 149 ft<sup>3</sup>/s (4.22 m<sup>3</sup>/s) Oct. 13, 1935, Sept. 2, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 35,000 ft<sup>3</sup>/s (991 m<sup>3</sup>/s) and maximum (\*).

Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
Oct. 1	2245	*46,700	1,320	*12.07	3.679
Feb. 12	1200	45,400	1,290	11.85	3.612

Minimum daily, 764 ft<sup>3</sup>/s (21.6 m<sup>3</sup>/s) Aug. 31.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35400	4140	10500	3130	2580	5390	16000	2330	4410	1400	3090	1700
2	38600	3800	5780	4460	2660	4330	17500	2880	4920	1890	4140	1420
3	26800	3770	5420	4460	3550	3640	10000	3170	4950	4110	4560	1930
4	7480	4140	5470	3130	3090	3190	6200	3710	5470	4970	4590	2400
5	5610	5190	5280	3230	3960	4610	5800	2620	6860	4260	2370	1950
6	5730	5700	4690	3550	3340	5500	5560	2350	5530	2180	2430	2200
7	5730	5930	2980	3040	2520	5580	5470	3110	5000	2500	2900	7000
8	4970	5870	3420	3170	3060	5500	5530	3770	4790	3270	3710	14000
9	4230	4970	3660	3230	3550	2760	3870	2740	2470	1820	3550	11500
10	3320	5370	4610	5080	3660	4210	4180	2220	3020	1290	2280	7500
11	3020	4900	4610	3190	22500	3640	4640	2090	2960	1750	2800	5400
12	2720	4750	5080	3150	25900	3640	3360	2090	3770	2240	2820	4400
13	2920	4850	5300	4480	21200	3360	3110	2980	3710	2900	2070	2000
14	3020	4900	4710	5390	5560	2760	5420	2820	3130	1670	1770	3000
15	3060	4800	4140	3130	5280	2540	5160	4280	2200	1680	1820	2900
16	2980	5000	3470	1400	5220	3400	3110	4540	2410	1680	2290	2400
17	2840	5600	2480	2520	5280	4710	2280	2600	1440	2260	1800	2000
18	3110	5200	4060	3230	5360	3470	3380	2500	2290	1520	1370	1420
19	3110	5160	4540	3040	6700	3340	4920	2860	2480	1640	3470	1400
20	3090	5730	3060	3730	17000	3170	2110	3710	2940	1500	1700	1270
21	3620	4640	4210	3170	19500	3940	4970	2980	3580	1600	1230	1280
22	3990	4760	3640	3200	17000	3890	4790	2880	1740	1460	1460	1490
23	3920	3820	4760	3100	9550	4010	4740	2560	2220	1160	1300	1650
24	3990	3710	4420	3100	6490	4430	4480	2260	2220	1960	1230	988
25	3710	5030	2700	3000	5280	4260	2940	3130	2020	2240	1230	1070
26	2660	5580	3060	3200	5560	4380	3840	3110	1550	2430	1980	1140
27	3000	5670	3110	3700	5500	5160	3840	2150	1440	3400	2180	1170
28	3600	12300	3620	3200	5500	5300	3150	3150	1540	3600	1570	1670
29	3940	13400	4410	3400	---	3890	2700	6920	1380	2260	1400	1320
30	3890	7230	4560	3710	---	4260	2240	6250	1400	1650	822	1170
31	4840	---	3170	3640	---	5280	---	7360	---	1980	764	---
TOTAL	208900	165910	135320	106160	226350	127540	155290	102120	93840	70360	70696	94738
MEAN	6739	5530	4365	3425	8084	4114	5176	3294	3128	2270	2281	3158
MAX	38600	13400	10500	5390	25900	5580	17500	7360	6860	4970	4590	16000
MIN	2660	3710	2480	1400	2520	2540	2110	2090	1380	1160	764	988
CAL YR 1980 TOTAL	2641240			MEAN 7217	MAX 61900	MIN 1090						
WTR YR 1981 TOTAL	1557224			MEAN 4266	MAX 38600	MIN 764						



## Santee River Basin

125

02161700 WEST FORK LITTLE RIVER NEAR SALEM CROSSROADS, S.C.

LOCATION.--Lat 34°27'08", long 81°15'45", Fairfield County, Hydrologic Unit 03050106, at Road 346 bridge, 3.0 mi (4.8 km) northeast of Salem Crossroads and 12.0 mi (19.3 km) northwest of Winnsboro.

DRAINAGE AREA.--25.5 mi<sup>2</sup> (66.0 km<sup>2</sup>).

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 327 ft (99.7 m) (from topographic map).

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,140 ft<sup>3</sup>/s (60.6 m<sup>3</sup>/s) Oct. 1, gage height, 8.19 ft (2.496 m); minimum daily, 0.38 ft<sup>3</sup>/s (0.011 m<sup>3</sup>/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	598	4.7	9.3	5.8	4.2	8.4	9.2	4.7	13	2.2	9.0	1.6
2	43	3.9	8.6	5.5	5.8	8.0	8.0	4.6	5.5	3.2	14	1.5
3	18	3.6	7.6	5.4	5.2	7.0	7.4	4.4	5.1	4.1	9.3	1.4
4	13	5.2	6.8	5.2	5.1	7.2	7.2	4.4	11	4.6	3.2	1.4
5	9.5	7.0	6.7	5.4	5.1	10	7.2	4.4	5.4	3.3	2.2	31
6	7.4	4.7	6.3	5.8	4.4	7.8	6.7	4.6	4.6	4.2	2.0	10
7	6.2	4.3	6.3	5.8	4.6	6.8	6.2	5.2	4.3	3.1	3.4	46
8	5.5	4.3	6.2	5.4	5.2	6.5	6.2	5.0	4.2	2.6	3.5	14
9	5.0	4.2	6.2	5.2	4.7	6.3	6.2	4.7	4.1	2.3	5.1	5.2
10	4.6	4.2	16	5.1	12	10	6.0	4.7	3.7	2.2	2.9	3.5
11	4.2	3.9	16	5.7	630	5.8	5.8	4.7	3.6	2.1	2.2	2.9
12	3.8	3.9	10	6.3	51	5.7	5.7	4.4	10	2.1	2.2	2.3
13	3.5	4.1	8.8	6.7	22	5.7	5.7	4.3	5.4	1.9	2.0	2.1
14	3.5	4.1	7.8	6.2	18	5.4	5.4	4.3	4.1	1.7	1.8	1.9
15	3.4	4.6	7.6	4.8	16	5.4	6.5	4.2	3.4	1.6	1.8	1.8
16	3.4	6.3	7.4	4.6	15	5.1	5.4	4.1	3.3	1.6	2.0	1.5
17	3.4	5.2	7.0	4.6	13	5.1	5.4	4.2	3.1	1.6	4.7	1.3
18	3.4	9.2	7.6	5.0	13	6.8	5.5	4.2	3.1	1.5	2.6	1.3
19	3.5	6.2	6.5	5.0	23	6.0	5.4	4.2	3.0	2.0	2.4	1.2
20	3.4	5.2	6.0	4.4	23	5.4	9.3	4.2	3.0	1.7	2.6	1.1
21	3.2	5.2	5.7	5.1	16	5.2	8.6	4.3	2.9	1.7	2.0	.94
22	3.2	5.0	5.8	4.8	14	15	6.3	4.1	2.7	1.3	1.9	.82
23	3.1	5.0	6.3	4.7	13	21	6.2	3.9	2.4	1.3	1.8	.76
24	3.3	23	6.3	4.6	11	13	5.8	3.8	2.2	2.3	1.9	.67
25	4.3	28	5.8	4.4	10	10	5.2	3.7	2.3	1.6	1.8	.62
26	3.6	14	5.7	4.4	9.7	8.8	5.2	3.7	2.2	1.3	1.7	.58
27	3.3	23	5.5	4.4	9.0	8.0	5.1	5.7	2.0	1.3	1.6	.54
28	4.4	24	6.2	4.4	8.6	7.4	5.0	8.2	1.8	1.3	1.6	.46
29	4.3	15	5.8	4.2	---	7.4	4.8	4.7	1.8	1.1	1.6	.42
30	5.2	11	6.2	4.3	---	13	4.8	4.2	1.8	1.8	1.8	.38
31	6.3	---	6.7	4.3	---	10	---	4.4	---	2.0	1.7	---
TOTAL	789.9	252.0	230.7	157.5	971.6	253.2	187.4	140.2	125.0	66.6	98.3	139.19
MEAN	25.5	8.40	7.44	5.08	34.7	8.17	6.25	4.52	4.17	2.15	3.17	4.64
MAX	598	28	16	6.7	630	21	9.3	8.2	13	4.6	14	46
MIN	3.1	3.6	5.5	4.2	4.2	5.1	4.8	3.7	1.8	1.1	1.6	.38
WTR YR 1981 TOTAL	3411.59			MEAN 9.35	MAX 630		MIN .38					

02162010 CEDAR CREEK NEAR BLYTHEWOOD, S.C.

LOCATION.--Lat 34°11'44", long 81°06'13", Richland County, Hydrologic Unit 03050106, on right bank at downstream side of bridge on State Road 59, 0.2 mi (0.3 km) above Williams Branch, 8.0 mi (12.9 km) southwest of Blythewood, and at mile 6.9 (11.1 km).

DRAINAGE AREA.--48.9 mi<sup>2</sup> (127 km<sup>2</sup>).

PERIOD OF RECORD.--November 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 240 ft (73 m) (from topographic map).

REMARKS.--Records poor.

AVERAGE DISCHARGE.--14 years (water years 1968-81), 48.4 ft<sup>3</sup>/s (1.371 m<sup>3</sup>/s) 13.44 in/yr (341 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft<sup>3</sup>/s (138 m<sup>3</sup>/s) July 4, 1968, gage height, 18.42 ft (5.614 m); minimum daily, 0.66 ft<sup>3</sup>/s (0.019 m<sup>3</sup>/s) Oct. 5, 6, 1968.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft<sup>3</sup>/s (28.3 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
Feb. 11	1000	*2,630	74.5	*12.34	3.761
July 3	2400	1,090	30.9	7.31	2.228

Minimum daily, 1.4 ft<sup>3</sup>/s (0.040 m<sup>3</sup>/s) Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	590	12	10	24	9.1	9.8	25	5.6	9.1	5.8	17	12
2	224	8.0	9.5	18	15	10	32	5.2	7.8	8.6	182	13
3	71	6.0	9.1	15	30	9.4	16	5.2	8.6	110	44	13
4	37	14	9.1	12	13	9.4	13	5.2	18	194	13	12
5	26	34	7.8	11	12	13	13	5.2	10	18	10	15
6	18	18	7.8	11	10	12	11	5.2	9.1	20	6.0	13
7	17	13	7.8	11	10	11	10	9.0	8.4	11	12	44
8	8.0	11	7.8	13	11	10	9.2	10	7.8	11	125	30
9	13	9.0	9.1	13	12	9.2	11	8.0	7.6	10	19	15
10	11	8.4	16	11	13	8.8	8.2	6.6	7.2	9.6	11	12
11	8.0	8.4	44	11	1470	8.2	7.8	6.0	7.0	9.2	8.2	10
12	7.0	8.2	24	13	208	7.4	7.4	5.8	14	9.0	12	8.0
13	16	8.0	16	14	82	7.2	7.2	5.6	10	8.2	49	7.2
14	7.0	7.8	12	15	42	7.2	7.2	5.4	9.0	7.6	13	6.4
15	8.0	14	10	14	30	7.0	9.2	5.2	8.0	7.0	12	6.2
16	7.0	25	10	12	22	6.6	7.2	5.2	7.4	7.0	65	5.2
17	6.5	20	10	10	17	6.6	6.8	5.2	7.0	6.8	177	4.5
18	6.2	14	9.1	11	16	8.2	6.8	5.4	7.0	6.8	32	4.4
19	5.8	16	8.6	13	22	12	7.2	5.8	7.0	9.0	25	4.1
20	7.0	15	8.6	10	20	14	10	6.4	7.0	7.4	22	3.7
21	5.6	13	8.6	10	16	12	10	6.6	8.6	7.2	22	3.1
22	5.4	12	8.6	13	15	14	7.4	6.2	7.8	5.8	21	2.8
23	5.8	11	8.6	10	13	106	7.0	5.8	7.8	5.8	20	2.6
24	9.0	12	10	10	12	47	8.6	5.6	8.6	10	19	2.3
25	7.4	26	12	10	11	26	6.8	5.2	8.6	7.2	18	2.1
26	6.6	20	12	10	11	18	6.4	5.2	7.8	5.8	16	1.9
27	6.0	13	10	10	10	15	6.0	8.0	7.2	5.6	16	1.8
28	5.8	24	10	10	9.6	13	6.0	6.8	6.8	5.6	15	1.6
29	5.6	18	11	10	---	11	6.0	6.0	6.4	9.0	15	1.4
30	10	13	12	10	---	12	5.6	5.6	6.0	39	15	1.4
31	19	---	22	9.1	---	13	---	7.0	---	16	14	---
TOTAL	1179.7	431.8	371.1	374.1	2161.7	474.0	295.0	189.2	252.6	593.0	1045.2	259.7
MEAN	38.1	14.4	12.0	12.1	77.2	15.3	9.83	6.10	8.42	19.1	33.7	8.66
MAX	590	34	44	24	1470	106	32	10	18	194	182	44
MIN	5.4	6.0	7.8	9.1	9.1	6.6	5.6	5.2	6.0	5.6	6.0	1.4
CFSM	.78	.29	.25	.25	1.58	.31	.20	.13	.17	.39	.69	.18
IN.	.90	.33	.28	.28	1.64	.36	.22	.14	.19	.45	.80	.20

CAL YR 1980 TOTAL 23352.3 MEAN 63.8 MAX 1290 MIN 5.4 CFSM 1.31 IN 17.76  
WTR YR 1981 TOTAL 7627.1 MEAN 20.9 MAX 1470 MIN 1.4 CFSM .43 IN 5.80

02162093 SMITH BRANCH AT NORTH MAIN STREET, COLUMBIA, S.C.

LOCATION.--Lat 34°01'38", long 81°02'31", Richland County, Hydrologic Unit 03050106, on left bank, 15 ft (5 m) upstream from culvert opening at North Main Street in Columbia.

DRAINAGE AREA.--5.67 mi<sup>2</sup> (14.69 km<sup>2</sup>).

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 200 ft (61 m) (from topographic map).

REMARKS.--Records fair.

AVERAGE DISCHARGE.--5 years, 9.42 ft<sup>3</sup>/s (0.267 m<sup>3</sup>/s), 22.56 in/yr (573 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,790 ft<sup>3</sup>/s (50.7 m<sup>3</sup>/s) July 21, 1979, gage height, 10.03 ft (3.057 m); minimum, 0.46 ft<sup>3</sup>/s (0.013 m<sup>3</sup>/s) Aug. 1, 2, 4, 5, 11-14, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,350 ft<sup>3</sup>/s (38.2 m<sup>3</sup>/s) July 3, gage height, 8.94 ft (2.725 m); minimum daily, 1.8 ft<sup>3</sup>/s (0.051 m<sup>3</sup>/s) May 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	3.8	2.9	3.0	3.1	4.0	19	2.4	8.3	9.6	156	3.8
2	15	3.5	2.7	4.5	18	4.5	4.0	2.3	17	49	28	3.5
3	5.0	3.3	2.5	3.5	3.1	3.8	3.8	2.1	38	201	11	3.3
4	3.5	26	2.5	3.0	2.9	9.2	3.5	2.3	11	12	5.7	3.1
5	3.5	4.3	2.7	3.0	2.7	9.2	5.7	2.3	2.7	21	4.8	3.5
6	3.5	3.8	2.9	3.0	2.9	3.5	3.8	3.1	2.3	5.7	4.3	16
7	4.0	3.5	2.9	3.0	3.8	3.5	3.3	19	3.1	3.8	4.3	6.4
8	4.0	3.3	2.9	3.0	3.1	3.3	3.3	2.9	2.5	3.3	4.8	26
9	4.0	3.1	3.1	3.1	2.7	3.5	3.3	2.3	2.3	3.1	53	3.8
10	4.0	3.1	3.1	2.9	71	3.3	3.3	2.5	2.3	2.9	6.7	3.3
11	3.5	3.1	2.9	2.6	116	3.4	3.1	2.5	6.0	3.1	111	3.0
12	3.5	2.9	2.9	2.5	7.9	3.5	3.1	2.3	9.2	4.0	20	2.8
13	4.0	3.1	11	2.6	5.7	3.8	2.9	2.1	4.5	2.7	7.5	2.9
14	4.0	3.1	2.9	2.9	5.1	3.8	2.7	1.9	3.0	5.7	6.4	3.1
15	4.3	13	2.5	3.1	4.5	3.8	4.8	1.9	2.5	3.1	5.7	3.3
16	4.0	3.3	2.5	2.9	4.5	4.0	2.7	2.1	2.3	40	18	3.1
17	4.3	6.7	6.0	2.7	4.3	4.0	2.7	2.0	2.0	6.7	30	2.9
18	4.0	3.5	4.0	2.9	17	23	2.9	2.0	2.1	3.1	47	6.4
19	4.0	2.9	2.9	3.1	6.7	4.3	2.9	2.1	3.1	3.1	11	2.9
20	3.8	2.7	4.8	3.8	5.1	3.5	19	6.4	14	2.9	8.3	2.7
21	3.5	2.6	3.3	11	4.5	3.3	3.1	2.7	2.7	2.9	6.4	2.6
22	3.5	2.7	2.9	3.1	4.3	23	2.5	2.1	2.1	2.7	5.7	2.5
23	12	2.9	2.7	2.9	4.5	8.8	2.5	2.0	2.1	3.1	5.4	2.5
24	6.4	17	2.6	2.6	4.0	4.3	5.7	1.9	3.5	2.9	5.1	2.7
25	6.4	3.5	2.5	2.9	3.8	3.8	2.8	1.8	2.3	8.8	4.8	2.9
26	3.5	3.1	2.6	3.1	3.8	3.5	2.7	2.1	2.5	34	4.5	2.7
27	3.5	11	2.9	3.3	3.8	3.3	2.6	8.8	2.5	3.5	4.0	2.7
28	4.0	3.5	9.6	4.3	4.0	3.2	2.5	2.5	2.5	2.9	4.0	2.9
29	3.3	3.1	2.9	3.1	---	3.5	2.5	2.1	2.7	3.5	9.6	3.3
30	14	2.9	2.9	3.8	---	12	2.7	2.1	2.7	3.1	3.8	3.1
31	5.7	---	2.9	2.9	---	3.5	---	7.5	---	28	3.8	---
TOTAL	201.7	154.3	108.4	104.1	322.8	177.1	129.4	102.1	163.8	481.2	600.6	133.7
MEAN	6.51	5.14	3.50	3.36	11.5	5.71	4.31	3.29	5.46	15.5	19.4	4.46
MAX	50	26	11	11	116	23	19	19	38	201	156	26
MIN	3.3	2.6	2.5	2.5	2.7	3.2	2.5	1.8	2.0	2.7	3.8	2.5

CAL YR 1980 TOTAL 3424.4 MEAN 9.36 MAX 182 MIN 1.5  
WTR YR 1981 TOTAL 2679.2 MEAN 7.34 MAX 201 MIN 1.8

02162350 MIDDLE SALUDA RIVER NEAR CLEVELAND, S.C.

LOCATION.--Lat 35°07'12", long 82°32'16", Greenville County, Hydrologic Unit 03050109, at Road 41 bridge, 3.9 mi (6.3 km) north of Cleveland, and 5.0 mi (8.0 km) east of Caesars Head.

DRAINAGE AREA.--21.0 mi<sup>2</sup> (54.4 km<sup>2</sup>).

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 1,078 ft (329 m) (from topographic map).

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 940 ft<sup>3</sup>/s (26.6 m<sup>3</sup>/s) Mar. 30, gage height, 4.44 ft (1.353 m); minimum daily, 10 ft<sup>3</sup>/s (0.28 m<sup>3</sup>/s) Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	21	35	23	23	39	51	30	34	21	16	12
2	34	22	33	21	37	37	45	30	37	35	18	12
3	30	25	31	21	23	36	42	28	54	25	17	13
4	26	28	30	21	22	41	41	28	47	21	20	16
5	24	24	29	20	20	45	67	28	49	23	14	14
6	24	30	28	20	20	38	53	30	44	21	16	52
7	22	24	27	21	21	36	48	40	42	20	15	35
8	20	24	27	20	21	45	45	28	34	19	15	21
9	20	23	26	20	20	53	44	28	28	18	15	17
10	20	22	27	19	20	40	42	38	26	17	13	15
11	19	23	26	19	95	34	41	100	26	17	14	14
12	19	52	29	19	55	32	39	40	24	18	14	13
13	38	38	29	20	40	31	39	28	24	18	14	13
14	26	31	26	19	37	28	39	28	22	16	55	13
15	23	73	23	20	35	27	42	32	22	16	20	13
16	27	50	23	19	33	27	34	28	20	18	17	16
17	25	34	23	18	37	26	38	28	20	17	16	16
18	38	38	23	19	100	27	36	28	19	19	15	13
19	33	30	22	19	181	26	38	30	19	20	14	12
20	27	28	21	19	70	26	34	34	36	19	14	12
21	25	26	21	21	57	26	34	29	20	17	13	12
22	24	26	20	20	50	31	34	26	19	15	13	12
23	31	26	21	20	62	33	34	25	18	14	13	12
24	28	65	22	19	51	31	32	25	18	14	13	11
25	25	42	20	19	46	32	32	24	22	15	12	11
26	24	34	20	19	43	30	32	24	20	23	12	11
27	24	75	20	20	41	27	30	85	19	19	12	11
28	24	50	23	19	40	26	30	46	19	15	12	11
29	23	43	23	18	---	26	30	38	19	18	12	10
30	22	38	32	19	---	131	30	36	19	21	12	10
31	21	---	25	18	---	65	---	39	---	16	12	---
TOTAL	821	1065	785	609	1300	1152	1176	1081	820	585	493	453
MEAN	26.5	35.5	25.3	19.6	46.4	37.2	39.2	34.9	27.3	18.9	15.9	15.1
MAX	55	75	35	23	181	131	67	100	54	35	55	52
MIN	19	21	20	18	20	26	30	24	18	14	12	10

WTR YR 1981 TOTAL 10340 MEAN 28.3 MAX 181 MIN 10

## SANTÉE RIVER BASIN

129

02162525 HAMILTON CREEK NEAR EASLEY, S.C.

LOCATION.--Lat 34°50'10", long 82°33'09", Pickens County, Hydrologic Unit 03050109, on Route 135, 4.6 mi (7.4 km) northeast of Easley and 0.6 mi (1.0 km) upstream of Georges Creek.

DRAINAGE AREA.--1.60 mi<sup>2</sup> (4.14 km<sup>2</sup>).

PERIOD OF RECORD.--February 1981 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 890 ft (271 m) (from topographic map).

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33 ft<sup>3</sup>/s (0.93 m<sup>3</sup>/s) July 14, gage height, 2.15 ft (0.655 m); minimum daily, 0.57 ft<sup>3</sup>/s (0.016 m<sup>3</sup>/s) Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					4.0	2.8	5.0	1.4	1.7	1.0	.75	.68
2					3.8	2.8	4.4	1.5	1.6	1.2	.75	.67
3					3.0	2.6	4.1	1.4	2.0	1.1	.75	.66
4					2.8	3.1	3.7	1.4	2.0	1.0	.74	.71
5					2.8	3.4	3.6	1.4	1.6	.99	.79	.64
6					2.6	2.7	3.4	1.3	1.5	.93	.77	.69
7					2.6	2.6	3.0	1.5	1.5	.90	.74	.73
8					2.6	2.5	2.7	1.5	1.4	.89	.74	5.4
9					2.6	2.5	2.6	1.5	1.4	.86	.69	1.7
10					4.0	2.5	2.4	1.6	1.3	.84	.65	.79
11					9.5	2.4	2.1	3.1	1.3	.82	.70	.73
12					5.5	2.3	1.9	2.3	1.5	.81	.75	.70
13					3.0	2.3	1.8	1.9	1.4	.81	.70	.69
14					3.0	2.3	1.7	1.9	1.2	13	.70	.69
15					2.7	2.3	1.6	1.8	1.2	5.1	.70	.68
16					2.7	2.3	1.5	1.8	1.1	1.5	.75	.66
17					3.1	2.3	1.6	1.8	1.0	1.3	.80	.66
18					4.0	2.3	1.5	1.8	1.0	1.1	.75	.66
19					6.0	2.3	1.5	2.0	1.1	.99	.68	.65
20					4.5	2.3	1.9	2.0	1.0	.99	.68	.64
21					3.8	2.1	1.9	1.9	.98	1.0	.67	.63
22					3.6	2.7	1.8	1.8	.90	1.0	5.4	.62
23					3.8	2.5	1.9	1.7	.91	.98	11	.62
24					3.6	2.1	1.9	1.7	.93	.95	12	.60
25					3.2	2.0	1.8	1.8	.91	.95	4.3	.60
26					3.2	1.9	1.7	1.9	.87	.95	2.0	.59
27					3.0	1.8	1.5	3.3	.88	.95	1.3	.59
28					2.8	1.7	1.5	2.3	1.1	.92	.79	.58
29					---	1.8	1.4	1.9	.95	.90	.72	.57
30					---	9.3	1.4	1.6	.91	.83	.69	.57
31					---	7.5	---	1.6	---	.75	.68	---
TOTAL					101.8	86.0	68.8	56.4	37.14	46.31	54.13	25.40
MEAN					3.64	2.77	2.29	1.82	1.24	1.49	1.75	.85
MAX					9.5	9.3	5.0	3.3	2.0	13	12	5.4
MIN					2.6	1.7	1.4	1.3	.87	.75	.65	.57



## 02163500 SALUDA RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34°23'12", long 82°13'20", Greenwood County, Hydrologic Unit 03050109, on right bank 2.0 mi (3.2 km) southeast of Ware Shoals, 2.5 mi (4.0 km) downstream from Ware Shoals Dam, 5.0 mi (8.0 km) upstream from Turkey Creek, and at mile 83.7 (134.7 km).

DRAINAGE AREA.--581 mi<sup>2</sup> (1,505 km<sup>2</sup>).

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Altitude of gage is 448 ft (136.6 m) (by barometer).

REMARKS.--Records good except those for periods of no gage-height record Aug. 21 to Sept. 30, which are poor. Some regulation at low and medium flow by powerplants upstream. Capacity of reservoirs insufficient to affect monthly figures of runoff. About 43,578,000 gal per day or 67.4 ft<sup>3</sup>/s (1.91 m<sup>3</sup>/s) diverted above station for city of Greenville water supply during water year. City of Greenville began diverting water from Saluda River (Table Rock Reservoir) in 1930; supplemented by North Saluda Reservoir in 1961. Sewage effluent discharged into Reedy River near Greenville.

AVERAGE DISCHARGE.--43 years, 1,027 ft<sup>3</sup>/s (29.08 m<sup>3</sup>/s), 24.00 in/yr (610 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,700 ft<sup>3</sup>/s (586 m<sup>3</sup>/s) Sept. 14, 1973, gage height, 22.85 ft (6.965 m), from rating curve extended above 14,000 ft<sup>3</sup>/s (396 m<sup>3</sup>/s) on basis of computation of peak flow over dam; minimum, 3 ft<sup>3</sup>/s (0.085 m<sup>3</sup>/s) Sept. 18, 1939; minimum daily, 11 ft<sup>3</sup>/s (0.31 m<sup>3</sup>/s) Oct. 12, 19, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft<sup>3</sup>/s (142 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
Oct. 1	0900	*2,660	75.3	*6.02	1.835

Minimum daily, 90 ft<sup>3</sup>/s (2.55 m<sup>3</sup>/s) Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2540	862	865	514	408	551	1610	324	900	246	267	150
2	2020	675	860	510	452	711	865	345	400	280	238	170
3	1360	757	678	510	555	537	697	443	420	391	271	180
4	1240	1050	702	443	387	668	537	470	440	288	271	190
5	660	1160	692	555	447	625	602	413	625	280	263	220
6	704	909	555	395	413	639	736	333	487	190	276	190
7	588	563	532	537	470	635	923	443	387	259	296	180
8	548	559	726	316	413	702	760	349	574	312	324	180
9	458	606	588	391	447	426	644	378	400	308	186	170
10	455	684	611	456	434	583	692	383	426	300	312	150
11	551	597	616	452	1550	745	630	510	404	214	276	140
12	521	747	569	519	1950	519	654	707	439	234	263	130
13	591	485	543	333	1450	501	663	649	341	234	378	130
14	548	523	546	465	784	439	537	537	324	230	292	120
15	502	631	592	404	616	434	551	426	308	222	198	140
16	566	735	542	492	654	569	611	400	395	250	167	200
17	443	752	560	370	707	461	542	447	328	255	259	170
18	367	620	456	417	682	492	569	452	288	171	250	160
19	452	754	578	439	1260	496	478	340	312	194	280	140
20	829	655	519	478	1640	496	565	300	452	362	238	130
21	753	569	555	362	1300	514	578	400	374	284	180	120
22	711	583	465	439	870	478	542	500	312	263	180	120
23	917	532	514	417	903	673	532	320	337	263	170	110
24	707	874	510	362	846	663	523	300	284	242	170	110
25	510	616	452	395	770	697	439	280	206	238	150	100
26	443	630	456	474	726	532	483	340	353	226	150	100
27	575	606	404	417	630	501	532	440	250	238	140	95
28	676	832	400	413	532	492	510	650	238	267	140	95
29	905	1240	452	400	---	474	408	400	312	259	130	90
30	592	1000	574	443	---	616	370	340	259	250	160	90
31	793	---	532	404	---	1170	---	500	---	271	190	---
TOTAL	23525	21806	17647	13522	22296	18039	18783	13119	11575	8071	7065	4270
MEAN	759	727	564	436	796	582	626	423	386	260	228	142
MAX	2540	1240	865	555	1950	1170	1610	707	900	391	378	220
MIN	367	485	400	316	387	426	370	280	206	171	130	90
CFSM	1.31	1.25	.98	.75	1.37	1.00	1.08	.73	.66	.45	.39	.24
IN.	1.51	1.40	1.13	.87	1.43	1.15	1.20	.84	.74	.52	.45	.27
CAL YR 1980	TOTAL	415556	MEAN	1135	MAX	6600	MIN	263	CFSM	1.95	IN	26.61
WTR YR 1981	TOTAL	179718	MEAN	492	MAX	2540	MIN	90	CFSM	.85	IN	11.51

## 02165000 REEDY RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34°25'02", long 82°09'10", Laurens County, Hydrologic Unit 03050109, on downstream side of Road S-30-36 bridge, 5.5 mi (8.8 km) northeast of Ware Shoals, 6.0 mi (9.7 km) downstream from Boyd Mill Dam, and at mile 8.7 (14.0 km).

DRAINAGE AREA.--236 mi<sup>2</sup> (611 km<sup>2</sup>).

PERIOD OF RECORD.--March 1939 to current year.

REVISED RECORDS.--WSP 892: 1939. WSP 922: Drainage area. WSP 1723: 1940, 1943, 1948-49, 1952(M). WSP 1904: 1940, 1943, 1946, 1949, 1952. WDR-SC-77-1: Drainage area. WDR-SC-78-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 453.86 ft (137.973 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, at site 4.1 mi (6.6 km) upstream at datum 26.76 ft (8.156 m) higher.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Diversion into basin by City of Greenville above station 02163500.

AVERAGE DISCHARGE.--42 years, 352 ft<sup>3</sup>/s (9.97 m<sup>3</sup>/s), 20.25 in/yr (514 m/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft<sup>3</sup>/s (312 m<sup>3</sup>/s) Sept. 14, 1973, gage height 15.40 ft (4.694 m); minimum, 2.7 ft<sup>3</sup>/s (0.076 m<sup>3</sup>/s) July 6, 1967, gage height 0.42 ft (0.128 m); minimum daily, 4.8 ft<sup>3</sup>/s (0.14 m<sup>3</sup>/s) Sept. 9, 1973.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft<sup>3</sup>/s (70.8 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
Feb. 12	1230	*1,390	39.4	*7.64	2.329

Minimum daily, 18 ft<sup>3</sup>/s (0.51 m<sup>3</sup>/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	309	291	225	153	259	531	172	205	163	185	169
2	600	279	298	225	242	263	380	172	245	160	184	163
3	500	284	253	225	255	263	331	172	238	294	217	157
4	420	667	262	190	252	263	315	172	232	203	270	149
5	280	544	255	220	299	266	304	170	208	181	242	143
6	300	337	251	180	279	275	397	170	188	192	232	138
7	284	299	247	225	156	275	397	169	184	235	211	157
8	279	279	243	160	160	279	388	169	197	223	192	205
9	275	275	241	160	331	279	451	169	223	211	187	102
10	255	270	333	190	432	279	343	169	214	195	182	96
11	232	270	447	190	506	275	178	193	203	178	179	71
12	235	263	365	220	1180	279	174	544	195	173	211	40
13	232	263	260	150	531	279	220	232	185	169	270	39
14	229	263	250	170	361	275	279	190	181	166	232	38
15	202	294	230	180	320	275	229	205	197	185	193	34
16	163	343	210	203	294	275	275	217	208	217	190	30
17	160	279	190	155	275	279	270	208	188	202	187	27
18	160	275	225	153	337	263	248	203	188	181	198	23
19	232	266	250	198	710	238	266	197	184	176	255	21
20	349	259	240	243	877	294	284	198	176	174	232	19
21	294	355	225	238	572	172	270	242	172	197	205	25
22	279	326	200	226	451	172	270	326	188	248	192	58
23	275	380	225	220	441	423	270	188	208	220	182	51
24	242	400	210	220	432	494	270	184	200	203	174	33
25	164	340	200	220	326	441	270	179	200	184	173	29
26	167	315	190	217	361	289	266	208	198	179	184	25
27	232	405	170	220	388	289	405	259	181	174	181	21
28	263	768	170	217	259	284	275	518	174	192	173	20
29	304	482	190	211	---	279	181	482	170	232	166	18
30	343	350	225	192	---	294	176	252	166	220	159	29
31	482	---	225	153	---	423	---	238	---	202	159	---
TOTAL	9432	10439	7571	6196	11180	8993	8913	7167	5896	6129	6197	2130
MEAN	304	348	244	200	399	290	297	231	197	198	200	71.0
MAX	1000	768	447	243	1180	494	531	544	245	294	270	205
MIN	160	259	170	150	153	172	174	169	166	160	159	18
CFSM	1.29	1.48	1.03	.85	1.69	1.23	1.26	.98	.84	.84	.85	.30
IN.	1.49	1.65	1.19	.98	1.76	1.42	1.40	1.13	.93	.97	.98	.34

CAL YR 1980	TOTAL	165223	MEAN	451	MAX	2940	MIN	144	CFSM	1.91	IN	26.04
WTR YR 1981	TOTAL	90243	MEAN	247	MAX	1180	MIN	18	CFSM	1.05	IN	14.22

LOCATION.--Lat 34°31'12", long 82°09'26", Laurens County, Hydrologic Unit 03050109, on left bank, 125 ft (38 m) upstream from U.S. Highway 76, 2.5 mi (4.0 km) upstream from North Rabon Creek and 7.0 mi (11.3 km) southwest of Gray Court.

PERIOD OF RECORD.--January 1967 to September 1981 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 548.37 ft (167.143 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those below 15 ft<sup>3</sup>/s (0.42 m<sup>3</sup>/s), which are poor.

AVERAGE DISCHARGE.--14 years (water years 1968-81), 40.0 ft<sup>3</sup>/s (1.133 m<sup>3</sup>/s), 18.41 in/yr (468 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,100 ft<sup>3</sup>/s (116 m<sup>3</sup>/s) Sept. 14, 1973, gage height, 9.86 ft (3.005 m); minimum daily, 3.4 ft<sup>3</sup>/s (0.10 m<sup>3</sup>/s) Sept. 30, 31, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft<sup>3</sup>/s (14.2 m<sup>3</sup>/s) and maximum (\*):

Minimum daily, 3.4 ft<sup>3</sup>/s (0.10 m<sup>3</sup>/s) Sept. 30, 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	169	27	33	22	19	29	35	19	16	11	20	7.0
2	69	24	31	21	21	29	32	18	16	12	16	7.5
3	41	22	29	21	21	28	29	19	17	16	14	4.0
4	31	79	27	21	19	29	28	18	19	13	13	14
5	26	58	26	20	18	39	28	18	17	12	18	20
6	24	39	26	19	17	33	26	17	15	11	24	26
7	22	32	25	19	16	30	25	16	15	11	15	17
8	22	29	24	20	16	29	24	15	15	10	12	14
9	21	26	25	20	19	27	24	15	14	10	11	13
10	20	25	26	19	21	27	24	17	14	11	12	4.0
11	19	24	26	19	139	27	24	25	15	12	12	4.0
12	18	23	33	20	66	26	24	21	16	15	11	4.0
13	17	22	26	24	45	26	23	18	17	12	11	7.0
14	16	22	25	19	38	26	22	17	16	11	10	7.0
15	15	25	24	18	33	26	24	15	15	10	11	6.5
16	15	59	24	17	31	26	22	15	13	10	11	6.0
17	15	38	24	17	30	25	21	14	12	9.5	11	6.0
18	17	41	24	16	34	25	20	13	13	9.5	10	5.5
19	24	34	24	15	91	26	21	13	15	10	10	5.5
20	21	31	22	15	77	25	25	17	17	11	9.0	5.0
21	18	29	22	19	53	24	39	19	14	10	9.0	4.8
22	18	27	21	20	44	26	25	17	13	9.0	8.5	4.6
23	17	26	20	19	42	39	24	16	12	8.5	8.5	4.4
24	17	35	19	18	39	30	23	15	11	8.5	8.5	4.2
25	19	37	20	17	35	27	21	14	10	9.0	8.0	4.0
26	19	30	21	17	33	26	21	14	10	10	7.5	3.8
27	18	61	20	19	32	25	20	20	11	11	7.5	3.6
28	22	62	19	19	30	25	20	21	11	13	7.0	3.6
29	24	43	18	18	---	24	20	17	10	24	7.0	3.4
30	32	36	18	18	---	42	20	16	9.5	34	6.5	3.4
31	36	---	23	18	---	46	---	15	---	26	6.5	---
TOTAL	862	1066	745	584	1079	892	734	523	418.5	390.0	345.5	240.8
MEAN	27.8	35.5	24.0	18.8	38.5	28.8	24.5	16.9	14.0	12.6	11.1	4.03
MAX	169	79	33	24	139	46	39	25	19	34	24	26
MIN	15	22	18	15	16	24	20	13	9.5	8.5	6.5	3.4
CFSM	.94	1.20	.81	.64	1.31	.98	.83	.57	.48	.43	.38	.27
IN.	1.09	1.34	.94	.74	1.36	1.12	.93	.66	.53	.49	.44	.30
CAL YR 1980	TOTAL	13501.8	MEAN	36.9	MAX	360	MIN	6.9	CFSM	1.25	IN	17.03
WTR YR 1981	TOTAL	7879.8	MEAN	21.6	MAX	169	MIN	3.4	CFSM	.73	IN	9.94

02166500 LAKE GREENWOOD NEAR CHAPPELLE, S.C.

LOCATION.--Lat 34°10'08", long 81°54'30", Newberry County, Hydrologic Unit 03050109, at left upstream end of dam on Saluda River, 0.7 mi (1.1 km) upstream from Wilson Creek and 2.4 mi (3.9 km) west of Chappells.

DRAINAGE AREA.--1,170 mi<sup>2</sup> (3,030 km<sup>2</sup>), revised.

PERIOD OF RECORD.--May 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Dan T. Duncan Engineering Co.). Prior to June 11, 1940, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by earth dam; storage began in May 1940; dam completed in 1940. Usable capacity, about 7,640,000,000 ft<sup>3</sup> (216,000,000 m<sup>3</sup>) between elevations 420.0 ft (128.02 m) (limit of drawdown) and 440.0 ft (134.11 m) (normal operating level) NGVD. Dead storage is about 3,500,000,000 ft<sup>3</sup> (99,000,000 m<sup>3</sup>). Figures given herein represent usable contents. Elevation of spillway crest is 415.0 ft (126.49 m) and elevation of top of 1-1/2 ft (0.46 m) flashboards on top of spillway gages is 441.5 ft (134.57 m) NGVD. Water is used for generation of power.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 442.02 ft (134.728 m) Mar. 5, 1952; minimum elevation since normal reservoir level was first reached, 424.42 ft (129.363 m) Oct. 16, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 440.07 ft (134.133 m) Oct. 1; minimum, 434.29 ft (132.372 m) Mar. 4, 5, 6.

Capacity table (elevation, in feet and meters) and usable contents  
(in billions of cubic feet and millions of cubic meters)  
(prepared from capacity curve drawn by D. T. Duncan, Engineer)

431.0 ft (131.37 m)	3.70 ft <sup>3</sup> (104.8 m <sup>3</sup> )
433.0 ft (131.98 m)	4.51 ft <sup>3</sup> (127.7 m <sup>3</sup> )
436.0 ft (132.89 m)	5.82 ft <sup>3</sup> (164.8 m <sup>3</sup> )
439.0 ft (133.81 m)	7.18 ft <sup>3</sup> (203.3 m <sup>3</sup> )
442.0 ft (134.72 m)	8.56 ft <sup>3</sup> (242.4 m <sup>3</sup> )

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	440.02	438.68	438.78	437.05	435.56	434.92	436.49	438.05	438.99	438.85	439.02	438.73
2	439.97	438.81	438.67	436.90	435.45	434.86	436.42	438.10	439.00	438.91	439.11	438.72
3	439.79	438.66	438.46	436.90	435.28	434.46	436.48	438.16	439.07	439.01	439.12	438.69
4	439.52	438.68	438.30	436.90	435.29	434.33	436.62	438.22	438.88	439.03	439.09	438.66
5	439.13	438.73	438.37	436.65	435.33	434.33	436.82	438.29	438.91	439.06	439.09	438.75
6	438.78	438.62	438.43	436.63	435.30	434.51	436.69	438.29	438.94	439.05	439.11	438.72
7	438.58	438.45	438.48	436.74	435.38	434.68	436.86	438.38	439.00	439.09	439.10	438.80
8	438.36	438.53	438.32	436.63	435.45	434.88	436.75	438.42	438.96	439.07	439.08	438.93
9	438.45	438.58	438.21	436.59	435.28	434.96	436.78	438.47	438.94	439.03	439.05	438.96
10	438.53	438.46	438.12	436.59	435.45	435.11	436.92	438.50	438.91	438.97	439.07	438.86
11	438.56	438.48	438.15	436.68	436.32	435.20	437.01	438.62	438.88	438.91	439.07	438.84
12	438.64	438.55	438.00	436.59	436.56	435.16	437.10	438.79	438.88	438.96	438.99	438.86
13	438.59	438.55	438.01	436.47	436.49	435.25	437.19	438.90	438.89	438.92	439.04	438.86
14	438.37	438.38	438.13	436.47	436.47	435.35	437.23	438.97	438.90	438.90	439.08	438.87
15	438.45	438.44	438.00	436.51	436.56	435.45	437.17	439.05	438.91	438.88	439.05	438.86
16	438.51	438.56	437.82	436.57	436.28	435.55	437.28	439.09	438.95	438.91	439.04	438.71
17	438.40	438.51	437.83	436.49	435.99	435.48	437.31	439.15	438.95	438.81	439.03	438.67
18	438.43	438.37	437.75	436.54	435.70	435.56	437.28	439.09	438.95	438.81	439.01	438.60
19	438.52	438.44	437.66	436.30	435.75	435.57	437.39	439.14	438.95	438.79	439.00	438.54
20	438.40	438.35	437.68	436.15	435.88	435.54	437.25	438.89	439.00	438.82	438.98	438.50
21	438.55	438.47	437.70	436.08	436.13	435.61	437.40	438.97	438.99	438.82	438.99	438.49
22	438.67	438.56	437.55	436.14	436.25	435.78	437.50	439.05	439.01	438.84	438.96	438.44
23	438.57	438.66	437.36	436.17	436.09	435.84	437.61	439.06	439.02	438.85	438.91	438.44
24	438.46	438.63	437.41	436.25	435.84	436.04	437.69	439.08	438.97	438.89	438.90	438.40
25	438.44	438.54	437.36	436.29	435.52	436.20	437.76	439.10	438.90	439.00	438.87	438.36
26	438.49	438.37	437.17	436.25	435.17	435.98	437.84	439.12	438.91	439.00	438.86	438.32
27	438.53	438.54	437.17	436.30	434.83	436.10	437.97	438.97	438.88	438.98	438.85	438.27
28	438.42	438.77	437.20	436.07	434.86	436.21	437.98	438.90	438.86	438.97	438.79	438.23
29	438.50	438.79	437.03	435.82	---	436.29	438.02	439.06	438.85	438.99	438.76	438.18
30	438.41	438.91	436.92	435.73	---	436.08	438.04	439.16	438.83	439.01	438.74	438.15
31	438.54	---	436.94	435.66	---	436.29	---	439.26	---	439.01	438.72	---
MAX	440.02	438.91	438.78	437.05	436.56	436.29	438.04	439.26	439.07	439.09	439.12	438.96
MIN	438.36	438.35	436.92	435.66	434.83	434.33	436.42	438.05	438.83	438.79	438.72	438.15
(+)	6.97	7.13	6.24	5.67	5.37	5.95	6.74	7.30	7.10	7.18	7.05	6.79
(*)	-258	62	-332	-213	-145	235	305	209	-77	30	-49	-100
CAL YR 1980	* 69		MAX	440.11	MIN	431.87						
WTR YR 1981	* -28		MAX	440.02	MIN	434.33						

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.

(\*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

## SANTEE RIVER BASIN

02166970 NINETY-SIX CREEK NEAR NINETY-SIX, S.C.

LOCATION.--Lat 34°07'57", long 81°59'48", Greenwood County, Hydrologic Unit 03050109, at downstream side of bridge on State Road 288, 3.3 mi (5.3 km) southeast of Ninety-Six and 10.1 mi (16.2 km) southeast of Greenwood.

DRAINAGE AREA.--17.4 mi<sup>2</sup> (45.1 km<sup>2</sup>).

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 425 ft (130 m).

REMARKS.--Records good, except those for periods of no gage-height record, Jan. 16 to April 5 and July 10 to Aug. 19, which are poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 980 ft<sup>3</sup>/s (27.8 m<sup>3</sup>/s) occurred Feb. 11, gage height, 9.90 ft (3.018 m) (from maximum indicator); minimum daily, 0.29 ft<sup>3</sup>/s (0.008 m<sup>3</sup>/s) Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	556	4.3	6.0	3.3	3.6	5.8	7.0	1.6	4.1	.66	.90	.66
2	49	4.0	5.6	3.1	5.5	5.4	6.0	1.8	30	1.2	1.4	.57
3	8.5	3.8	5.5	3.1	4.0	5.2	6.0	1.9	66	1.2	1.0	.54
4	5.4	4.1	5.3	3.1	3.4	5.2	5.5	1.8	221	1.2	.70	.54
5	5.2	4.9	5.3	2.8	3.2	8.0	5.5	1.8	13	1.3	.80	.81
6	5.2	5.0	5.4	2.8	3.0	6.0	5.3	1.6	4.3	1.1	1.5	.77
7	5.2	4.9	5.3	3.5	3.0	5.0	4.9	1.5	5.7	.85	2.4	.85
8	5.2	5.1	5.3	3.5	3.4	4.8	4.8	1.4	4.1	.77	1.1	.66
9	5.2	5.4	5.4	3.1	7.2	4.6	4.6	1.3	2.3	.73	.70	.57
10	4.4	5.4	17	3.0	7.0	4.4	4.5	1.3	1.8	1.0	1.4	.48
11	3.5	5.7	11	3.1	720	4.2	4.4	1.3	2.4	1.5	2.2	.46
12	3.5	5.7	7.0	3.2	50	4.0	4.3	1.3	2.6	.90	1.7	.46
13	3.4	5.8	5.7	3.1	20	3.8	4.0	1.4	1.6	.70	1.0	.41
14	3.3	6.1	5.1	2.9	13	3.6	3.7	1.3	1.4	.60	.80	.41
15	3.4	7.2	4.7	2.8	11	3.4	3.6	1.2	1.3	.60	1.0	.41
16	3.4	8.6	4.6	2.8	10	3.2	3.3	1.1	1.2	1.7	1.8	.43
17	3.5	7.0	4.3	2.8	9.0	3.0	3.3	1.1	1.1	3.0	1.3	.48
18	3.6	8.3	3.8	2.8	8.0	4.0	3.3	.97	.97	1.1	1.0	.43
19	3.7	7.2	3.8	2.6	8.0	5.5	3.0	1.2	.85	1.0	.80	.39
20	3.5	6.5	3.5	3.2	20	3.4	2.9	1.8	.85	.90	.57	.36
21	3.4	6.3	3.4	3.8	16	3.2	2.7	1.3	1.1	.80	.54	.36
22	3.4	6.2	3.3	3.6	13	9.0	2.9	1.1	1.1	.80	.51	.39
23	3.5	6.1	3.5	3.4	11	32	3.0	1.1	1.0	.70	.48	.41
24	3.6	9.1	3.6	3.2	9.6	20	2.6	1.6	1.0	.70	.51	.36
25	3.9	11	3.5	3.0	8.4	10	2.3	1.5	1.0	.60	.48	.34
26	3.9	7.2	3.1	3.0	7.4	6.0	2.3	1.5	.81	.60	.46	.32
27	3.8	10	3.2	2.8	6.6	5.0	2.1	3.0	.77	.60	.46	.32
28	4.1	15	3.3	3.3	6.2	4.6	1.8	7.0	.73	.50	.54	.32
29	4.2	7.7	3.4	2.8	---	4.2	1.7	5.0	.66	1.5	.51	.29
30	4.9	6.5	3.4	3.0	---	11	1.7	3.6	.66	.90	.60	.29
31	5.1	---	3.5	2.8	---	8.5	---	3.4	---	.90	1.1	---
TOTAL	727.9	200.1	156.8	95.3	990.5	206.0	113.0	58.77	375.40	30.51	30.26	14.09
MEAN	23.5	6.67	5.06	3.07	35.4	6.65	3.77	1.90	12.5	.98	.48	.47
MAX	556	15	17	3.8	720	32	7.0	7.0	221	3.0	2.4	.85
MIN	3.3	3.8	3.1	2.6	3.0	3.0	1.7	.97	.66	.50	.46	.29

WTR YR 1981 TOTAL 2998.43 MEAN 8.22 MAX 720 MIN .29



02167000 SALUDA RIVER AT CHAPPELLE, S.C.

LOCATION.--Lat 34°10'40", long 81°51'40", Newberry County, Hydrologic Unit 03050109, on left bank on downstream side of bridge on State Highway 39 at Chappells, 6.7 mi (10.8 km) downstream from dam at Lake Greenwood, 9.8 mi (15.8 km) upstream from Little River, and at mile 52.3 (84.2 km).

DRAINAGE AREA.--1,360 mi<sup>2</sup> (3,522 km<sup>2</sup>).

PERIOD OF RECORD.--October 1926 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at practically same site since 1905 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 362.89 ft (110.609 m) National Geodetic Vertical Datum of 1929. Oct. 1, 1926 to Sept. 30, 1939, nonrecording or recording gage at site 300 ft (91 m) downstream at datum 363.79 ft (110.883 m) above mean sea level. Oct. 1, 1939 to Oct. 7, 1964, recording gage at present site and at datum 363.89 ft (110.914 m) above mean sea level.

REMARKS.--Records good. Flow regulated by Lake Greenwood (see sta. 02166500).

AVERAGE DISCHARGE.--55 years, 1,974 ft<sup>3</sup>/s (55.90 m<sup>3</sup>/s), 19.71 in/yr (501 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63,700 ft<sup>3</sup>/s (1,804 m<sup>3</sup>/s), Oct. 2, 1929, gage height 32.5 ft (9.91 m), present datum, from rating curve extended above 27,000 ft<sup>3</sup>/s (765 m<sup>3</sup>/s) on basis of velocity-area studies; minimum, 8 ft<sup>3</sup>/s (0.23 m<sup>3</sup>/s) Oct. 29, 1939, caused by construction work above station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Aug. 26, 1908 reached a stage of 36.7 ft (11.19 m) (present site and datum), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,870 ft<sup>3</sup>/s (280 m<sup>3</sup>/s) Oct. 1, gage height, 18.06 ft (5.505 m); minimum, 78 ft<sup>3</sup>/s (2.21 m<sup>3</sup>/s) Oct. 27; minimum daily, 166 ft<sup>3</sup>/s (4.70 m<sup>3</sup>/s) Oct. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8970	740	1770	588	887	1070	1820	438	2070	425	447	467
2	7080	391	2130	1580	1840	1610	2080	443	1420	441	448	441
3	3980	1650	2140	1010	1810	2570	1230	444	1470	468	556	371
4	3320	1820	2090	930	1040	2250	529	446	2130	446	740	444
5	3250	1910	1200	1870	758	1420	489	447	1600	436	587	504
6	3160	2100	739	1190	1170	972	1780	567	759	495	463	459
7	2120	1970	737	809	501	536	724	458	472	458	629	444
8	2110	911	1670	1250	483	515	1850	449	957	658	543	411
9	795	893	1920	1020	1410	654	1520	439	945	741	454	520
10	389	1530	1950	933	1860	514	638	446	800	827	397	998
11	731	882	1640	572	4780	758	581	438	894	504	627	974
12	395	890	1790	1190	6480	1220	664	449	837	443	832	461
13	1050	792	1440	1200	4050	976	489	446	593	650	637	431
14	1640	1580	488	1000	2760	501	956	441	435	475	443	420
15	710	1040	1580	775	1090	528	1200	441	428	445	446	438
16	374	509	1810	1140	2390	579	487	448	329	407	441	1060
17	1090	1690	1290	891	3010	1300	991	430	806	1070	367	628
18	399	1910	1250	480	3090	962	1260	924	463	459	512	454
19	364	1180	1320	1760	3390	929	465	831	460	439	698	452
20	1450	1430	1110	1880	3520	1170	1660	1670	439	402	407	436
21	808	657	935	1310	2380	601	540	672	430	463	445	409
22	166	534	1620	713	1420	499	599	444	391	441	446	742
23	1660	435	1630	789	2500	1280	676	454	459	417	425	446
24	1930	1740	1240	485	3150	641	630	441	660	449	401	423
25	980	1770	1010	698	3190	866	463	454	853	453	411	437
26	400	2050	1530	1090	3140	1780	467	438	581	470	402	439
27	316	1310	1220	748	3080	900	457	1650	454	427	459	420
28	1760	1050	842	1680	1480	500	849	1950	430	423	456	416
29	1160	1750	1580	2000	---	519	492	563	410	459	447	445
30	1730	1360	1670	1590	---	2420	451	443	434	443	446	422
31	927	---	1140	1090	---	1400	---	835	---	437	425	---
TOTAL	55114	38474	44481	34261	66659	32440	27037	19439	23409	15571	15437	15412
MEAN	1778	1282	1435	1105	2381	1046	901	627	780	502	498	514
MAX	8970	2100	2140	2000	6480	2570	2080	1950	2130	1070	832	1060
MIN	166	391	488	480	483	499	451	430	329	402	367	371
CAL YR 1980 TOTAL	775140			2118	MAX 22600	MIN 136						
WTR YR 1981 TOTAL	387734			1062	MAX 8970	MIN 166						

LOCATION.--Lat 34°03'07", long 81°13'15", Lexington County, Hydrologic Unit 03050109, in intake tower 500 ft (152 m) upstream from dam on Saluda River and 10.0 mi (16.1 km) upstream from confluence of Saluda and Broad Rivers at Columbia.

DRAINAGE AREA.--2,420 mi<sup>2</sup> (6,270 km<sup>2</sup>), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 0.64 ft (0.195 m) below National Geodetic Vertical Datum of 1929. Prior to Oct. 31, 1930, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by earth dam; storage began Aug. 31, 1929; dam completed in 1930. Usable capacity, 70,300,000,000 ft<sup>3</sup> (1,990,000,000 m<sup>3</sup>) between gage heights 300.0 ft (91.44 m) (limit of drawdown) and 360.0 ft (109.73 m) (maximum normal lake level). Dead storage, 21,800,000,000 ft<sup>3</sup> (617,000,000 m<sup>3</sup>). Figures given herein represent usable contents. Gage height of one spillway crest (completed in 1946), 330 ft (100.6 m) with top of gages 362 ft (110.3 m); gage height of other spillway crest, 340 ft (103.6 m) with top of gages 365 ft (111.3 m). Water is used for generation of power.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 361.51 ft (110.188 m) Apr. 10, 1936; minimum gage height since generation of power was started 320.96 ft (97.829 m) Dec. 23, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 357.24 ft (108.887 m) June 12, 13, 14; minimum gage height, 350.03 ft (106.699 m) Jan. 17.

Capacity table (gage height, in feet and meters),  
and usable contents (in billions of cubic feet and millions of cubic meters)  
(Prepared by Lexington Water Power Co. from topographic map, contour survey,  
and study of change in reservoir elevation due to inflow)

350 ft (106.7 m)	50.77 ft <sup>3</sup> (1,438.0 m <sup>3</sup> )
352 ft (107.3 m)	54.30 ft <sup>3</sup> (1,538.0 m <sup>3</sup> )
356 ft (108.5 m)	61.91 ft <sup>3</sup> (1,753.3 m <sup>3</sup> )
358 ft (109.1 m)	66.00 ft <sup>3</sup> (1,869.1 m <sup>3</sup> )
360 ft (109.7 m)	70.30 ft <sup>3</sup> (1,990.9 m <sup>3</sup> )

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	355.27	354.08	352.40	351.90	350.72	354.72	355.65	356.43	356.71	356.79	356.23	355.95
2	355.86	354.01	352.40	351.80	350.54	354.81	355.77	356.38	356.82	356.83	356.29	355.75
3	356.00	354.10	352.40	351.80	350.56	354.87	355.88	356.41	356.90	356.81	356.33	355.44
4	356.03	353.90	352.30	351.70	350.64	354.98	355.89	356.43	357.02	356.84	356.33	355.14
5	356.15	353.90	352.00	351.70	350.64	355.09	355.99	356.42	357.09	356.89	356.33	355.30
6	356.13	354.00	352.00	351.30	350.65	355.14	356.00	356.44	357.10	356.89	356.31	355.31
7	356.02	354.00	351.90	350.80	350.73	355.15	356.03	356.45	357.10	356.48	356.31	355.37
8	355.85	354.00	352.00	350.70	350.78	355.16	356.08	356.42	357.15	356.54	356.44	355.41
9	355.67	354.00	352.00	350.42	350.80	355.18	356.16	356.40	357.14	356.36	356.43	355.35
10	355.47	354.00	352.00	350.37	351.17	355.19	356.13	356.39	357.12	356.43	356.42	355.34
11	355.37	353.90	352.00	350.28	352.25	355.16	356.13	356.46	357.17	356.46	356.49	355.27
12	355.32	353.90	351.80	350.15	352.44	355.17	356.17	356.41	357.22	356.51	356.48	355.23
13	355.16	353.90	351.80	350.09	352.71	355.22	356.16	356.40	357.24	356.22	356.51	355.18
14	355.02	353.80	351.80	350.12	352.85	355.19	356.20	356.36	357.21	356.32	356.42	354.98
15	354.68	353.90	351.80	350.15	352.90	355.19	356.20	356.40	357.20	356.26	356.41	354.81
16	354.67	353.80	351.80	350.17	352.99	355.23	356.20	356.37	357.10	356.33	356.41	354.69
17	354.65	353.60	351.90	350.05	353.12	355.22	356.22	356.36	357.17	356.26	356.46	354.72
18	354.59	353.50	351.80	350.08	353.34	355.28	356.27	356.32	357.15	356.23	356.41	354.63
19	354.51	352.92	351.80	350.11	353.53	355.12	356.27	356.36	357.14	356.18	356.40	354.70
20	354.46	352.61	351.80	350.18	353.75	354.94	356.39	356.40	357.13	356.05	356.35	354.70
21	354.42	352.58	351.80	350.27	353.89	354.98	356.45	356.42	357.12	356.09	356.43	354.70
22	354.30	352.43	351.80	350.30	353.99	355.06	356.48	356.40	357.09	356.03	356.40	354.60
23	354.28	352.37	351.80	350.32	354.08	355.15	356.48	356.39	356.94	356.02	356.40	354.50
24	354.31	352.34	351.90	350.33	354.22	355.21	356.49	356.38	356.97	356.00	356.34	354.50
25	354.28	352.68	351.90	350.34	354.34	355.29	356.46	356.36	356.82	356.00	356.34	354.50
26	354.22	352.50	351.90	350.37	354.45	355.34	356.47	356.32	356.82	356.02	356.30	354.50
27	354.15	352.50	351.90	350.42	354.60	355.42	356.48	356.46	356.84	356.02	356.27	354.50
28	354.16	352.50	351.90	350.45	354.65	355.40	356.47	356.55	356.85	356.00	356.25	354.40
29	354.18	352.50	351.90	350.53	---	355.37	356.48	356.56	356.82	355.98	356.23	354.30
30	354.21	352.50	351.90	350.56	---	355.46	356.50	356.56	356.78	355.91	356.25	354.30
31	354.19	---	351.90	350.65	---	355.53	---	356.64	---	355.88	356.10	---
MAX	356.15	354.10	352.40	351.90	354.65	355.53	356.50		357.24	356.89	356.51	355.95
MIN	354.15	352.34	351.80	350.05	350.54	354.72	355.65		356.71	355.88	356.10	354.30
(+)	58.38	55.22	54.13	51.90	59.26	60.98	62.92		63.48	61.67	62.11	58.59
(*)	-179	-1219	-407	-833	3042	642	748		108	-676	164	-1358
CAL YR 1980	* 39			MAX 359.00	MIN 350.97							
WTR YR 1981	* -9			MAX 357.24	MIN 350.05							

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.

(\*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

## SANTÉE RIVER BASIN

137

02169000 SALUDA RIVER NEAR COLUMBIA, S.C.

LOCATION.--Lat 34°00'50", long 81°05'17", Richland County, Hydrologic Unit 03050109, on left bank 0.4 mi (0.6 km) upstream from site of Old Saluda Mill, 1.6 mi (2.6 km) upstream from confluence with Broad River and 3.3 mi (5.3 km) west of State Capital in Columbia, and at mile 1.67 (2.69 km).

DRAINAGE AREA.--2,520 mi<sup>2</sup> (6,527 km<sup>2</sup>).

PERIOD OF RECORD.--August 1925 to current year.

GAGE.--Water-stage recorder. Datum of gage is 194.46 ft (45.555 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 1, 1929, at same site at datum 150.46 ft (45.860 m) above mean sea level.

REMARKS.--Records good. Flow regulated by Lake Murray (see sta 02168500) and Lake Greenwood (see sta 02166500).

AVERAGE DISCHARGE.--56 years, 2,901 ft<sup>3</sup>/s (82.16 m<sup>3</sup>/s), 15.63 in/yr (397 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,000 ft<sup>3</sup>/s (1,900 m<sup>3</sup>/s) Oct. 2, 1929, gage height, 15.22 ft (4.639 m), from rating curve extended above 36,000 ft<sup>3</sup>/s (1,020 m<sup>3</sup>/s) on basis of discharge measurements made at Wise Ferry Bridge near Chapin; minimum, 11 ft<sup>3</sup>/s (0.31 m<sup>3</sup>/s) July 13, 1930; minimum daily, 12 ft<sup>3</sup>/s (0.34 m<sup>3</sup>/s) July 13, 1930, caused by construction work above station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,300 ft<sup>3</sup>/s (462 m<sup>3</sup>/s) Jan. 5, July 11, gage height, 7.68 ft (2.341 m); minimum, 372 ft<sup>3</sup>/s (10.5 m<sup>3</sup>/s) Sept. 19-23, 25-28; minimum daily, 375 ft<sup>3</sup>/s (10.6 m<sup>3</sup>/s) Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2620	1880	1530	2010	471	478	524	430	536	390	600	4260
2	3610	1730	1340	2010	589	478	499	434	470	489	460	4730
3	4800	1880	1060	2120	785	474	477	439	487	564	1000	6360
4	1700	2070	8210	1840	754	476	463	439	494	541	600	7290
5	3000	2370	7410	9740	853	519	456	446	456	461	420	1250
6	4600	2200	1930	8480	863	489	446	452	434	489	400	467
7	4600	1590	1220	2550	720	479	434	483	428	5900	500	528
8	5200	1180	746	3130	474	472	432	479	428	1920	550	1210
9	6800	1570	1210	3140	467	462	430	460	421	6330	700	882
10	4900	1320	1590	2500	509	456	455	441	415	1580	900	526
11	1850	1530	3880	2370	1860	1020	525	457	408	2760	600	2190
12	1620	1390	6530	2720	4710	1450	432	454	489	1560	530	1660
13	3900	1590	1620	2920	4430	478	1170	454	434	474	656	1180
14	4100	1120	504	691	1840	454	955	454	549	388	888	4590
15	5400	1390	1460	504	556	451	456	454	572	511	428	4960
16	2450	1910	1570	909	532	449	436	447	718	421	441	3100
17	1520	5630	1570	1960	523	441	435	443	489	504	517	822
18	1800	6640	1320	737	649	493	437	507	402	421	462	867
19	1680	8210	1590	468	580	3310	448	843	396	580	445	517
20	1510	7150	1570	468	560	5070	567	444	421	3140	438	375
21	2060	4540	1910	475	542	1120	589	447	421	1020	432	976
22	2000	3250	1910	490	516	518	475	447	408	408	425	698
23	1700	2240	1280	490	506	606	468	442	2250	415	425	1110
24	1610	975	1880	490	500	515	470	435	504	428	735	597
25	1980	998	1880	490	494	493	453	451	940	428	554	496
26	1600	2350	1590	482	488	469	447	429	737	448	603	377
27	1420	1330	1660	482	484	457	441	499	396	600	562	375
28	1400	1300	1810	481	478	447	435	454	390	550	938	3500
29	1440	1930	920	476	---	441	442	433	390	460	522	897
30	1750	1590	1460	480	---	466	436	422	390	550	413	1080
31	2460	---	1680	476	---	455	---	1030	---	1000	3180	---
TOTAL	87080	74853	65840	56579	26733	24386	15133	14949	16273	35730	20324	57870
MEAN	2809	2495	2124	1825	955	787	504	482	542	1153	656	1929
MAX	6800	8210	8210	9740	4710	5070	1170	1030	2250	6330	3180	7290
MIN	1400	975	504	468	467	441	430	422	390	388	400	375
CAL YR 1980	TOTAL	1140027	MEAN	3115	MAX	24000	MIN	395				
WTR YR 1981	TOTAL	495750	MEAN	1358	MAX	9740	MIN	375				

02169500 CONGAREE RIVER AT COLUMBIA, S.C.

LOCATION.--Lat 33°59'35", long 81°03'00", Lexington County, Hydrologic Unit 03050110, on right bank at Columbia, 1,000 ft (300 m) downstream from Gervais Street Bridge, 1.4 mi (2.3 km) downstream from confluence of Broad and Saluda Rivers, and at mile 174.8 (281.3 km).

DRAINAGE AREA.--7,850 mi<sup>2</sup> (20,330 km<sup>2</sup>), approximately.

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 1,000 ft (300 m) upstream October 1891 to December 1933 and at present site since January 1934 are contained in reports of National Weather Service.

GAGE.--Water-stage recorders. Datum of gage is 113.02 ft (34.448 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow regulated by Lake Murray (see sta 02168500), and Lake Greenwood (see sta 02166500) on Saluda River and to some extent, at low and medium flow, by powerplants on Broad River. City of Columbia diverted about 62 ft<sup>3</sup>/s (1.76 m<sup>3</sup>/s) above station for municipal supply.

AVERAGE DISCHARGE.--42 years, 9,326 ft<sup>3</sup>/s (264.1 m<sup>3</sup>/s), 16.12 in/yr (409 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 155,000 ft<sup>3</sup>/s (4,390 m<sup>3</sup>/s) Oct. 11, 1976, gage height, 29.74 ft (9.065 m); minimum, 588 ft<sup>3</sup>/s (16.7 m<sup>3</sup>/s) Jan. 19, 1942, gage height 0.94 ft (0.287 m); minimum daily, 662 ft<sup>3</sup>/s (18.7 m<sup>3</sup>/s) Oct. 18, 1954.

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--Maximum flood since at least Oct. 1891, discharge 364,000 ft<sup>3</sup>/s (10,300 m<sup>3</sup>/s), Aug. 27, 1908, gage height, 39.8 ft (12.13 m), present datum, at site 1,000 ft (300 m) upstream, from records of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 51,300 ft<sup>3</sup>/s (1,450 m<sup>3</sup>/s) Oct. 2, gage height, 16.81 ft (5.124 m); minimum, 700 ft<sup>3</sup>/s (19.8 m<sup>3</sup>/s), Sept. 25, gage height, 1.42 ft (0.433 m); minimum daily, 777 ft<sup>3</sup>/s (22.0 m<sup>3</sup>/s) Sept. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1940 TO SEPTEMBER 1991  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35700	6610	11000	5290	3510	5800	8560	2750	5640	2010	4010	4900
2	43900	5320	8500	6570	2810	5050	9440	2950	5190	1770	5270	5630
3	32500	5570	6310	5840	4240	4400	8210	3920	5530	4320	5190	6950
4	17200	5700	8480	4640	4090	3340	5490	4100	5830	5670	5130	8230
5	6610	6950	12000	12000	3910	4780	5880	3720	5990	5190	3750	3230
6	8700	7370	6590	11100	4760	5800	6020	2700	7110	3570	2450	2230
7	9680	7210	4250	5500	3270	5810	5910	3360	5460	7050	3300	3050
8	9710	6670	4140	5000	3380	5800	5860	4430	5340	4870	3530	5490
9	9790	6660	4720	4600	3990	3630	4820	4160	3790	4100	5200	11000
10	8550	5020	5840	4400	3690	4520	4500	2050	3230	3150	2620	5700
11	5240	5280	7840	4800	18800	4430	5050	2730	3070	1570	3560	6440
12	4420	5160	11000	6000	33000	5310	4500	2720	4340	3090	3940	4430
13	6520	5310	6930	7270	25900	3930	3980	2450	4250	6230	2850	2310
14	6730	5140	5140	4680	11100	3610	5780	4460	3850	3800	2980	5320
15	7990	5080	5370	2490	5910	2810	5430	2510	2930	1910	1740	7780
16	5740	5470	4640	2540	5740	3560	4280	5430	2930	2340	2680	5650
17	4760	8330	3980	4910	5700	4550	2700	3850	2730	2360	3350	2140
18	4870	11800	5330	3670	5850	4660	3620	2200	1960	1950	1930	1170
19	4840	12200	5600	3750	6050	5330	5290	3590	2700	2040	2780	2050
20	4850	12200	4780	3880	13900	7650	3720	3830	3400	4840	3650	777
21	5190	9110	5820	3750	12600	5530	4550	3640	4140	2430	1770	2420
22	6350	7790	5720	3550	7950	4410	5590	3700	2280	1930	1540	2140
23	5580	6480	5810	3680	8240	4730	5340	3210	4120	1140	1920	2670
24	5600	4220	5830	3710	7990	5260	5340	2580	2770	1890	1300	2160
25	5690	5740	4400	3780	5570	5010	3790	2280	3030	3000	1860	1150
26	4460	7000	4720	4110	5830	4980	4100	3720	2420	2410	1700	1370
27	4090	9000	4470	3860	5820	5100	4660	2950	1600	3550	2540	1770
28	5260	11000	5720	3140	5690	5440	4030	3550	1770	2400	3030	2760
29	4950	12000	4490	3980	---	4660	3360	4570	1270	1600	2050	2110
30	5480	12000	5560	3650	---	4590	2870	7890	1750	1700	1110	1890
31	6540	---	4450	3430	---	5380	---	7710	---	1870	3110	---
TOTAL	297490	223390	189930	150070	228890	150360	153570	113710	110420	95760	91880	114417
MEAN	9596	7446	6127	4841	8175	4850	5119	3668	3681	3034	2954	3461
MAX	43900	12200	12000	12000	33000	7650	9440	7890	7110	7050	5270	11000
MIN	4090	4220	3980	2490	2810	2810	2700	2050	1270	1140	1110	777
CAL YR 1940 TOTAL	3881260			10600		88300		1250				
WTR YR 1981 TOTAL	1924287			5272		43900		777				

## 02169570 GILLS CREEK AT COLUMBIA, S.C.

LOCATION.--Lat 33°59'22", long 80°58'28", Richland County, Hydrologic Unit 03050110, at upstream side of bridge on U.S. Highway 378 and 76 (Devine Street) at Columbia, 0.75 mi (1.21 km) downstream from Lake Katherine, and at mile 7.7 (12.4 km).

DRAINAGE AREA.--59.6 mi<sup>2</sup> (154.4 km<sup>2</sup>).

PERIOD OF RECORD.--Water years 1964-66 (annual maximum), September 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.38 ft (41.873 m) National Geodetic Vertical Datum of 1929. Apr. 1, 1964 to Aug. 6, 1966, crest-stage gage at same site and datum.

REMARKS.--Records fair. Some possible interruption of natural flow by private lakes upstream.

AVERAGE DISCHARGE.--15 years, 76.1 ft<sup>3</sup>/s (2.155 m<sup>3</sup>/s), 17.34 in/yr (440 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,880 ft<sup>3</sup>/s (81.6 m<sup>3</sup>/s) Feb. 24, 1979, gage height, 8.66 ft (2.640 m); minimum daily, 9.4 ft<sup>3</sup>/s (0.27 m<sup>3</sup>/s) Nov. 5, 1979.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft<sup>3</sup>/s (14.2 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
Feb. 11	0900	743	21.0	5.76	1.756
July 3	2200	*2,140	60.6	*7.94	2.420

Minimum daily, 13 ft<sup>3</sup>/s (0.37 m<sup>3</sup>/s) July 24, 30.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	456	38	45	43	21	33	64	17	23	37	103	17
2	294	34	42	42	44	34	56	16	27	40	359	16
3	174	29	40	41	61	31	43	16	26	456	355	15
4	108	39	37	41	56	31	34	16	84	1040	184	14
5	75	50	36	39	48	42	30	16	89	372	72	14
6	58	58	38	40	43	40	30	16	56	222	38	14
7	49	52	42	50	44	37	28	21	42	106	25	15
8	43	47	44	41	45	33	26	22	34	64	20	25
9	48	43	50	28	43	30	24	18	29	43	19	37
10	66	41	70	22	65	29	23	18	26	35	37	26
11	67	40	55	19	590	27	22	17	25	30	62	21
12	62	39	46	22	324	25	21	17	46	34	299	18
13	56	39	44	35	227	24	20	17	35	26	240	16
14	50	38	42	42	134	24	20	16	32	23	114	16
15	43	46	41	52	95	23	22	16	28	20	54	15
16	38	57	40	62	80	22	19	16	26	32	44	16
17	32	56	38	54	70	22	19	16	24	62	75	15
18	29	63	36	48	82	29	19	16	24	29	76	15
19	28	59	44	44	96	40	20	17	24	22	77	14
20	30	54	51	46	75	45	24	18	27	19	84	14
21	27	52	51	69	59	40	26	18	27	17	94	14
22	26	44	56	64	49	46	21	18	24	15	59	14
23	28	40	84	59	44	81	20	17	30	14	42	14
24	34	57	68	50	40	73	22	17	30	13	35	14
25	38	58	62	45	37	56	20	16	28	14	30	14
26	36	43	59	42	36	48	19	16	25	19	26	14
27	33	62	62	41	33	46	18	21	24	21	23	14
28	29	69	67	46	32	41	18	19	22	17	20	14
29	27	60	48	31	---	36	18	18	21	14	19	14
30	40	52	44	25	---	38	17	17	20	13	20	14
31	42	---	45	22	---	41	---	21	---	30	18	---
TOTAL	2166	1454	1527	1305	2573	1167	763	540	978	2899	2723	493
MEAN	69.9	48.6	49.3	42.1	91.9	37.6	25.4	17.4	32.6	93.5	87.8	16.4
MAX	456	69	84	69	590	81	64	22	89	1040	359	37
MIN	26	29	36	19	21	22	17	16	20	13	18	14
CFSM	1.17	.82	.83	.71	1.54	.63	.43	.29	.55	1.57	1.47	.28
IN.	1.35	.91	.95	.81	1.61	.73	.48	.34	.61	1.81	1.70	.31
CAL YR 1980 TOTAL	28601.6	MEAN 78.1	MAX 713	MIN 9.8	CFSM 1.31	IN 17.85						
WTR YR 1981 TOTAL	18593.0	MEAN 50.9	MAX 1040	MIN 13	CFSM .85	IN 11.60						



02169630 BIG BEAVER CREEK NEAR ST. MATTHEWS, S.C.

LOCATION.--Lat 33°44'12", long 80°57'30", Calhoun County, Hydrologic Unit 03050110, on right downstream wingwall of bridge on U.S. Highway 21, 0.1 mi (0.2 km) downstream from Rock Branch, 11.6 mi (18.7 km) northwest of St. Matthews, and at mile 2.2 (3.2 km).

DRAINAGE AREA.--10.0 mi<sup>2</sup> (25.9 km<sup>2</sup>).

PERIOD OF RECORD.--July 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 164.21 ft (50.1 m), National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Recording rain gage located at station (discontinued); records in files of Geological Survey.

AVERAGE DISCHARGE.--15 years, 14.0 ft<sup>3</sup>/s (0.396 m<sup>3</sup>/s), 19.01 in/yr (483 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft<sup>3</sup>/s (38.5 m<sup>3</sup>/s) July 29, 1971 from rating extended above 210 ft<sup>3</sup>/s (5.9 m<sup>3</sup>/s) by logarithmic plotting, gage height 6.66 ft (2.030 m); minimum daily, 4.5 ft<sup>3</sup>/s (0.13 m<sup>3</sup>/s) May 25, 26, July 15, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft<sup>3</sup>/s (2.83 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s) (m <sup>3</sup> /s)	Gage height (ft) (m)
Aug. 17	2400	*95 2.69	3.79 1.155

Minimum daily, 4.5 ft<sup>3</sup>/s (0.13 m<sup>3</sup>/s) May 25, 26, July 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1991  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	13	12	11	8.2	9.3	15	6.5	28	6.0	17	7.7
2	20	12	12	11	13	12	13	6.4	20	13	13	7.6
3	15	11	12	10	9.7	12	10	6.4	14	9.0	13	7.6
4	13	12	11	10	8.8	12	10	6.4	17	7.7	7.7	7.6
5	12	12	11	9.8	8.3	17	9.9	6.2	6.4	6.2	6.4	7.4
6	11	12	11	10	8.3	13	9.8	5.9	8.6	6.0	5.8	8.0
7	10	12	11	12	9.1	11	9.2	8.7	9.1	5.5	5.7	8.4
8	10	12	11	11	9.0	10	9.1	8.8	10	5.4	5.8	17
9	10	11	11	10	8.3	9.7	9.1	6.5	7.9	5.2	6.1	17
10	10	11	13	10	8.8	9.3	9.0	6.5	6.8	4.9	8.0	9.3
11	11	11	12	9.8	32	9.1	8.8	6.2	6.4	5.4	7.6	8.0
12	9.8	11	11	9.7	18	8.5	8.6	5.7	22	9.3	6.8	7.7
13	9.3	12	11	9.5	13	9.0	8.5	5.5	16	5.7	6.1	7.6
14	9.3	12	11	9.7	12	8.3	8.5	5.4	10	5.3	5.7	7.7
15	9.7	12	11	9.7	11	8.3	8.3	5.3	7.6	4.5	5.4	7.7
16	10	13	11	9.3	10	8.5	7.7	5.2	6.8	9.8	16	8.2
17	11	13	11	9.0	10	8.2	7.8	5.5	6.5	15	45	8.8
18	11	14	11	9.1	14	12	7.6	5.3	6.5	6.7	56	8.5
19	10	13	11	8.8	18	12	7.4	5.2	7.6	5.7	24	8.2
20	10	12	11	8.8	15	9.8	11	5.3	6.7	5.3	18	8.2
21	9.7	12	10	11	12	9.7	14	5.6	6.1	5.0	15	8.3
22	9.8	12	10	9.5	11	12	9.2	5.0	5.8	4.6	13	9.8
23	10	12	16	8.8	10	16	8.6	4.7	5.4	12	11	7.9
24	12	13	13	8.6	9.5	11	12	4.6	5.5	20	11	7.7
25	12	14	12	9.0	9.5	9.8	8.2	4.5	5.4	8.5	10	7.7
26	11	12	11	8.6	9.5	9.4	7.6	4.5	5.3	6.2	9.3	7.7
27	11	15	12	8.3	9.1	9.3	7.3	5.5	5.2	6.1	9.1	7.7
28	11	13	14	8.8	9.1	9.1	7.0	5.9	5.0	5.3	9.0	7.9
29	11	12	13	8.2	---	9.0	5.8	5.0	4.9	4.8	9.0	8.3
30	16	12	12	8.3	---	11	6.7	4.6	4.9	4.9	8.8	9.5
31	15	---	12	8.2	---	9.8	---	11	---	7.1	8.2	---
TOTAL	367.6	368	361	295.5	324.2	325.1	275.7	183.8	277.4	226.1	392.5	259.6
MEAN	11.9	12.3	11.6	9.53	11.6	10.5	9.19	5.93	9.25	7.29	12.7	8.65
MAX	27	15	16	12	32	17	15	11	28	20	56	17
MIN	9.3	11	10	8.2	8.2	8.2	6.7	4.5	4.9	4.5	5.4	7.6
CFSM	1.19	1.23	1.16	.95	1.16	1.05	.92	.59	.93	.73	1.27	.87
IN.	1.37	1.37	1.34	1.10	1.21	1.21	1.03	.68	1.03	.84	1.46	.97

CAL YR 1980 TOTAL 5352.7 MEAN 14.6 MAX 55 MIN 7.0 CFSM 1.46 IN 19.91  
WTR YR 1981 TOTAL 3656.5 MEAN 10.0 MAX 56 MIN 4.5 CFSM 1.00 IN 13.60

## 02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°23'14", long 80°08'25", Berkeley County, Hydrologic Unit 03050201, on right bank 0.6 mi (1.0 km) upstream from bridge on State Highway 45 and 7.0 mi (11.3 km) southwest of Pineville.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 60.0 ft (18.29 m) National Geodetic Vertical Datum of 1929 (levels by South Carolina Public Service Authority). Auxiliary water-stage recorder 3.9 mi (6.3 km) downstream from base gage.

REMARKS.--Records poor. Canal diverts water from Lake Marion to Lake Moultrie for generation of power and for navigation. Water is discharged from powerplant and navigation lock into West Branch Cooper River.

AVERAGE DISCHARGE.--38 years, 14,930 ft<sup>3</sup>/s (423 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 40,200 ft<sup>3</sup>/s (1,140 m<sup>3</sup>/s) Mar. 10, 1952; minimum daily (normal operation), 61 ft<sup>3</sup>/s (1.73 m<sup>3</sup>/s) Sept. 24, 25, 1956; maximum daily reverse flow, 12,100 ft<sup>3</sup>/s (343 m<sup>3</sup>/s) Feb. 9, 1947 (caused by unusual operation of gates).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10200	9160	10300	10300	14100	7990	5500	5350	8260	4440	4390	7650
2	11100	8830	11300	9930	13600	7430	5120	3600	8370	6080	6090	5250
3	14700	8980	13100	12300	11600	6900	5580	4290	7010	4270	8530	7610
4	14500	8740	14700	14900	10400	7440	8330	4010	7960	5700	10000	10100
5	17500	8900	15000	17200	9600	11500	7550	4320	8540	6140	11000	8070
6	16400	8560	15300	17400	9190	9480	6580	6450	10900	8240	10800	7470
7	18300	10400	14200	16200	8050	9570	5150	4900	11000	8500	8970	7690
8	18300	13000	14100	15600	6760	10100	7390	3640	8780	8650	8910	4940
9	17200	11500	12600	16300	5650	10500	8010	4280	9410	8930	7660	5500
10	20400	9080	12100	15300	4710	11200	6090	3830	10100	8980	6470	8310
11	14400	9390	12800	14400	9790	11900	6980	6200	7830	8770	9180	10500
12	18100	8760	13800	14600	11300	9970	5140	3300	7120	7230	9740	9940
13	14600	9890	13900	16500	13100	10900	5760	3610	6350	7800	9570	8700
14	11900	8190	13500	14200	12000	10900	8580	4440	8460	8630	8980	7790
15	11400	6790	14900	9910	9800	9650	6310	8090	9140	7480	10100	9600
16	8870	8060	14300	7520	8480	14300	5760	6970	8830	6290	9680	7570
17	12000	11900	12800	8270	8060	8450	6610	6580	7930	6210	8600	7660
18	7620	12700	13100	7590	6790	8710	5660	6530	6410	5670	6160	6040
19	9620	11900	12700	7280	6960	10400	4480	7660	5950	6160	8830	3870
20	9870	13600	10300	6970	8390	10600	7160	5300	6500	7230	9840	3570
21	8050	13800	13700	9600	7270	9940	5580	4500	7170	9080	6260	4780
22	6340	14300	16300	9010	5500	9310	6150	5000	6970	9140	4740	4560
23	12900	14000	15200	9990	9570	11400	6020	6870	7710	6940	4150	4340
24	10300	11300	9350	9600	12600	8530	8350	6000	6870	7420	4040	5520
25	10200	10100	7980	10000	12800	8300	4680	5460	7910	8110	3920	5620
26	9480	9150	8650	11300	10500	8790	4700	4730	7050	6960	3800	6730
27	7060	9900	11300	11300	8630	8450	6350	5460	5350	7380	4310	4940
28	6640	10100	10800	11200	7760	7590	7260	5980	5120	6390	3870	5220
29	6500	9250	7740	10700	---	8450	6640	4980	5500	6160	4670	4610
30	8840	9430	7840	10600	---	8100	5680	6050	4210	5990	3920	4230
31	9680	---	9330	14100	---	6760	---	8020	---	4810	4180	---
TOTAL	372970	309660	382490	370070	262960	293510	189150	166400	228710	219780	221360	195380
MEAN	12030	10320	12340	11940	9391	9468	6305	5368	7624	7090	7141	6513
MAX	20400	14300	16300	17400	14100	14300	8580	8090	11000	9140	11000	10500
MIN	6340	6790	7740	6970	4710	6760	4480	3300	4210	4270	3800	3570
CAL YR 1980 TOTAL	5515410			MEAN 15070		MAX 33600	MIN 1470					
WTR YR 1981 TOTAL	3212440			MEAN 8801		MAX 20400	MIN 3300					

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

## WATER-QUALITY RECORDS

LOCATION.--Lat 33°23'25", long 80°08'25", Berkeley County, Hydrologic Unit 03050201, at auxiliary water-stage recorder 3.9 mi (6.3 km) downstream from base gage, 7.0 mi (11.3 km) southwest of Pineville.

PERIOD OF RECORD.--December 1971 to current year.

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1973 to September 1981 (discontinued).

WATER TEMPERATURE: February 1973 to current year.

INSTRUMENTATION.--Servo Programmer February 1973 to September 1981.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, greater than 167 micromhos Dec. 28-31, Jan. 1-11; minimum, 45 micromhos Feb. 7, 10, 11, 1978.

WATER TEMPERATURE: Maximum, 31.5°C July 31, Aug. 1, 7-10, 1979, Aug. 6, 13, 14, 1980, June 17-18, 1981; minimum, 2.0°C Jan. 30, 1977.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOWS INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)
OCT										
07...	1015	18300	88	7.2	19.5	.90	9.0	25	118	18
NOV										
20...	1215	13600	72	7.0	12.0	1.7	10.3	K7	91	16
DEC										
02...	1315	11300	80	6.9	12.5	3.0	10.7	K2	K17	15
JAN										
07...	1315	16200	94	6.9	6.0	2.8	12.6	K1	K1	17
FEB										
03...	1400	11600	94	7.0	5.0	2.7	12.6	K29	K1	19
MAR										
03...	1400	6000	95	6.9	14.0	5.6	11.8	K11	198	18
APR										
15...	1330	6310	98	7.2	21.0	4.9	8.6	K1	39	19
MAY										
04...	1315	4010	96	7.4	23.0	1.9	9.9	K5	58	19
JUN										
02...	1300	--	91	7.4	26.0	4.7	7.6	K9	K444	18
JUL										
08...	1245	--	100	7.5	30.0	3.7	6.5	K5	K6060	20
AUG										
25...	1315	3420	122	8.0	27.0	4.5	9.5	3	76	20
SEP										
02...	1330	--	126	7.5	28.5	1.7	7.7	K7	134	20

DATE	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	POTAS- SIUM 40 DIS- SOLVED (PC/L AS K40)	ALKA- LITY LAH (MG/L CAC03)	SULFATE DIS- SOLVED AS (MG/L AS SO4)
OCT										
07...	0	4.0	2.0	10	51	1.0	1.9	--	--	0.1
NOV										
20...	0	3.6	1.6	9.6	54	1.1	1.8	1.3	19	0.7
DEC										
02...	0	3.4	1.7	9.3	53	1.0	1.7	--	20	11
JAN										
07...	0	3.9	1.8	11	56	1.2	1.1	--	22	11
FEB										
03...	0	4.5	1.9	13	57	1.3	1.5	1.1	20	0.9
MAR										
03...	--	4.1	1.8	11	54	1.1	1.9	1.4	20	10
APR										
15...	--	4.4	1.9	12	55	1.2	1.7	1.3	16	12
MAY										
04...	--	4.5	2.0	10	50	1.0	1.6	1.2	14	10
JUN										
02...	--	4.3	1.7	9.6	51	1.0	1.8	1.3	18	0.9
JUL										
08...	--	4.7	2.0	12	54	1.2	1.8	1.3	17	0.1
AUG										
25...	--	4.6	2.0	15	59	1.5	2.0	1.5	20	13
SEP										
02...	--	4.5	2.2	16	60	1.5	2.1	1.6	26	12

SANTEE RIVER BASIN

143

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DATE	CHLORIDE, DIS- SOLVED (MG/L AS CL)	FLUORIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO <sub>2</sub> )	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO <sub>2</sub> +NO <sub>3</sub> TOTAL (MG/L AS N)	NITRO- GEN, NO <sub>2</sub> +NO <sub>3</sub> DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 07...	8.9	.2	12	60	59	.08	2970	.01	.03	.010
NOV 20...	7.7	.1	12	58	58	.08	2130	--	--	--
DEC 02...	8.6	.1	11	64	60	.09	1950	.21	.21	.020
JAN 07...	9.9	.1	9.8	67	63	.09	2930	.25	.25	.000
FEB 03...	11	.1	8.6	64	64	.09	2000	.23	.22	.020
MAR 03...	9.9	.1	7.5	66	60	.09	1230	.24	.24	.020
APR 15...	9.7	.1	3.8	59	56	.08	1010	.16	.16	.060
MAY 04...	9.4	.1	4.7	67	51	.09	725	.12	.12	.060
JUN 02...	9.1	.1	.6	61	49	.08	--	.07	.08	.030
JUL 08...	9.4	.1	1.6	71	51	.10	--	.03	.03	.010
AUG 25...	14	.2	7.0	68	70	.09	720	.03	.04	.020
SEP 02...	14	.1	7.5	73	74	.10	--	.01	.02	.030
DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH <sub>4</sub> )	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH <sub>4</sub> )	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH <sub>4</sub> + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)
OCT 07...	.030	.01	.04	.31	.24	.32	.05	.27	.33	.30
NOV 20...	--	--	--	--	--	--	--	--	--	--
DEC 02...	.000	.02	.00	.16	.11	.18	.07	.11	.39	.32
JAN 07...	.010	.00	.01	.25	.17	.25	.07	.18	.50	.43
FEB 03...	.010	.02	.01	.44	.34	.46	.11	.35	.69	.57
MAR 03...	.030	--	.04	.43	.30	.45	.12	.33	.69	.57
APR 15...	.080	--	.10	.36	.10	.42	.24	.18	.58	.34
MAY 04...	.050	--	.06	.46	.19	.52	.28	.24	.64	.36
JUN 02...	.040	--	.05	.37	.70	.40	.00	.74	.47	.82
JUL 08...	.020	--	.03	.41	.41	.42	.00	.43	.45	.46
AUG 25...	.030	--	.04	.42	.32	.44	.09	.35	.47	.39
SEP 02...	.030	--	.04	.32	.40	.35	.00	.43	.36	.45

## SANTEE RIVER BASIN

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DATE		NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. * FINER THAN .062 MM
UCT										
07...		1.5	.040	.12	.010	6.7	--	11	544	58
NOV										
20...		--	--	--	--	--	13000	6	220	100
DEC										
02...		1.7	.020	.06	.010	--	--	6	183	100
JAN										
07...		2.2	.030	.09	.010	4.3	--	6	262	92
FEB										
03...		3.1	.050	.15	.010	3.4	--	11	345	80
MAR										
03...		3.1	.060	.18	.020	--	11000	19	354	88
APR										
15...		2.6	.040	.12	.010	3.7	--	9	153	82
MAY										
04...		2.8	.040	.12	<.010	3.6	--	9	97	50
JUN										
02...		2.1	.010	.03	.010	--	8300	7	--	81
JUL										
08...		2.0	.020	.06	<.010	3.1	22000	8	--	64
AUG										
25...		2.1	.030	.09	.010	3.4	100000	3	32	100
SEP										
02...		1.6	.030	.09	.010	--	60000	6	--	77

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS RA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)
DEC												
02...	1315	--	--	1	<50	--	0	0	0	0	10	--
MAR												
03...	1400	0	0	0	100	0	200	0	0	0	20	10
JUN												
02...	1300	1	0	1	100	70	30	1	--	<1	10	0
SEP												
02...	1330	2	1	1	100	0	200	3	--	<1	10	--

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
DEC											
02...	<10	1	0	1	2	0	12	390	270	120	0
MAR											
03...	10	1	1	0	4	0	29	510	340	170	7
JUN											
02...	20	1	0	2	5	0	34	360	320	40	3
SEP											
02...	<10	1	0	1	20	13	7	220	210	10	24



## SANTÉE RIVER BASIN

145

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
DEC 02...	0	0	20	10	10	--	--	.2	0	0	0
MAR 03...	7	0	50	40	10	.2	.1	.1	1	0	12
JUN 02...	2	1	20	10	6	<.1	--	<.1	16	5	11
SEP 02...	22	2	30	--	<10	<.1	--	<.1	12	2	10
DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
DEC 02...	--	--	0	9	9	0	50	30	20	4.0	.9
MAR 03...	0	0	0	0	0	0	60	0	100	6.1	.5
JUN 02...	0	0	0	0	0	0	10	0	170	3.2	.9
SEP 02...	<1	--	<1	<1	--	<1	10	0	110	6.0	.9

## SANTEE RIVER BASIN

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	81	79	79	95	92	94	90	87	88	167	---	---
2	83	80	81	95	92	93	90	87	89	167	---	---
3	85	81	83	95	93	94	91	89	90	167	---	---
4	84	81	82	95	92	93	96	89	91	167	---	---
5	84	82	83	94	91	92	90	88	89	167	---	---
6	86	84	85	93	90	92	92	89	91	167	---	---
7	86	85	86	91	90	90	94	91	93	167	---	---
8	88	85	87	90	89	90	95	93	94	167	---	---
9	88	85	87	92	89	90	95	93	94	167	---	---
10	90	86	88	91	89	90	96	95	95	167	---	---
11	92	85	87	90	88	89	96	94	95	167	163	---
12	90	87	88	89	89	89	95	93	94	162	151	156
13	91	86	88	90	87	89	95	94	94	151	145	148
14	90	86	88	95	89	92	94	94	94	145	139	142
15	89	86	88	96	92	94	95	94	95	140	138	139
16	90	87	89	95	93	94	96	94	95	138	136	137
17	90	87	89	93	87	90	95	94	95	136	128	132
18	89	88	89	89	87	89	95	94	95	128	126	127
19	92	88	89	87	87	87	95	94	95	127	126	126
20	95	88	91	88	87	88	96	95	95	127	126	126
21	92	88	91	90	87	88	95	91	92	126	125	126
22	89	87	89	89	88	89	92	91	91	125	124	125
23	89	86	88	91	89	90	93	92	92	124	123	123
24	87	85	86	93	91	92	96	93	95	123	122	123
25	86	83	85	93	91	92	96	93	94	125	123	124
26	89	83	85	95	91	93	96	91	93	127	125	126
27	99	85	91	106	91	97	93	90	91	129	127	128
28	98	93	95	98	93	96	167	90	---	129	129	129
29	97	94	95	93	87	90	167	---	---	130	129	130
30	95	91	93	88	86	87	167	161	---	131	129	130
31	93	91	93	---	---	---	167	---	---	130	128	129
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	130	127	128	116	112	114	98	94	96	99	96	97
2	131	130	131	115	110	113	96	94	94	102	94	97
3	129	123	125	112	108	111	96	92	94	99	95	97
4	123	121	122	113	108	111	96	93	95	101	94	97
5	121	121	121	110	101	106	96	95	96	99	93	96
6	121	121	121	112	102	108	97	95	96	98	93	95
7	122	121	122	107	105	106	99	96	97	99	93	95
8	123	122	123	106	104	105	97	95	96	100	94	96
9	124	123	124	104	101	103	97	96	96	100	94	97
10	128	124	126	103	101	102	101	96	99	113	98	106
11	129	127	128	104	103	104	101	98	99	113	95	102
12	127	121	124	105	104	105	103	99	101	133	94	111
13	121	119	120	105	103	104	102	98	100	130	106	114
14	119	110	114	105	103	104	98	97	97	133	113	122
15	111	110	110	106	105	105	100	97	99	113	90	98
16	112	103	110	107	104	105	99	97	98	131	91	110
17	100	93	95	109	105	108	99	97	98	130	114	121
18	101	94	100	107	104	106	100	98	99	130	85	98
19	104	101	102	104	102	103	104	99	102	89	86	88
20	105	102	103	101	100	101	98	96	96	89	88	89
21	111	104	107	103	101	102	98	96	98	---	---	---
22	112	109	109	107	103	105	98	96	97	---	---	---
23	109	104	106	105	103	104	99	97	97	---	---	---
24	107	106	106	105	102	104	97	95	96	90	88	89
25	108	106	107	106	102	103	103	96	98	98	87	90
26	111	107	109	107	93	99	97	96	96	94	89	91
27	116	110	113	95	92	93	97	95	96	92	87	89
28	119	114	116	98	95	96	97	95	96	90	86	88
29	---	---	---	97	94	95	99	95	97	101	86	91
30	---	---	---	98	92	96	98	95	97	94	86	89
31	---	---	---	95	92	94	---	---	---	89	84	87

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	90	83	87	93	91	92	111	102	107	121	118	119
2	88	82	83	92	90	90	109	106	108	120	117	118
3	88	82	85	93	89	91	108	105	107	117	116	116
4	86	81	83	91	90	90	108	106	107	116	115	115
5	84	82	83	91	89	90	108	105	107	116	114	115
6	85	82	84	92	89	90	108	106	107	116	113	114
7	88	84	85	91	89	90	109	106	107	114	112	113
8	95	84	89	92	90	91	109	106	107	119	111	114
9	87	84	86	93	90	92	111	108	110	113	110	111
10	89	84	87	93	91	92	112	108	110	110	110	110
11	89	85	88	95	91	93	113	109	111	110	108	109
12	102	89	95	96	92	94	112	109	111	109	107	108
13	101	92	97	95	92	93	114	111	112	108	107	107
14	95	87	90	95	92	94	114	112	113	108	105	106
15	89	87	88	96	93	95	116	114	115	107	104	105
16	92	83	88	97	93	95	118	114	117	105	103	104
17	89	86	88	98	94	95	118	115	117	103	102	102
18	103	86	91	97	95	96	119	116	117	103	100	101
19	97	90	93	101	96	97	119	115	117	109	99	103
20	96	88	93	100	97	98	119	116	117	107	99	102
21	97	91	95	100	98	99	120	116	118	106	97	100
22	93	87	90	104	99	101	124	116	120	104	97	99
23	92	87	89	109	100	103	125	118	121	103	95	97
24	93	89	91	106	100	103	126	117	123	96	93	95
25	91	90	91	107	101	103	124	118	122	105	93	97
26	91	90	91	109	103	105	123	120	122	100	92	95
27	92	90	91	108	103	104	123	121	122	98	91	93
28	92	90	91	109	104	106	123	110	120	104	91	96
29	94	90	91	108	100	105	123	121	122	98	89	92
30	92	90	91	111	98	106	122	120	121	123	89	106
31	---	---	---	109	106	108	122	119	120	---	---	---
YEAR	167	79	101									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.0	24.0	24.0	16.0	15.5	16.0	11.0	10.0	10.5	7.5	7.0	7.0
2	25.0	24.0	24.5	16.5	16.0	16.0	11.0	10.5	11.0	7.5	6.5	7.0
3	24.5	24.0	24.0	16.0	16.0	16.0	11.5	10.5	11.0	6.5	6.5	6.5
4	24.0	23.0	23.5	16.5	16.0	16.5	10.5	10.0	10.5	6.5	6.5	6.5
5	23.5	22.5	23.0	16.5	16.5	16.5	10.5	10.0	10.0	6.0	5.0	5.5
6	22.5	22.0	22.0	16.5	16.0	16.0	11.0	10.0	10.5	5.5	5.0	5.0
7	22.0	21.5	22.0	16.0	16.0	16.0	11.0	10.5	11.0	6.0	5.5	6.0
8	22.5	21.5	22.0	16.0	15.5	15.5	11.5	11.0	11.0	6.0	6.0	6.0
9	22.5	22.0	22.0	16.5	16.0	16.0	12.0	11.0	11.5	6.0	5.5	5.5
10	22.5	22.0	22.0	17.0	16.0	16.5	12.5	12.0	12.0	5.5	5.0	5.0
11	22.5	22.0	22.5	16.5	15.5	16.0	12.5	11.5	12.0	5.0	5.0	5.0
12	22.5	21.5	22.0	15.5	14.5	14.5	11.5	11.0	11.0	5.0	3.5	4.0
13	21.5	20.5	21.0	14.5	14.0	14.5	11.0	10.5	11.0	3.5	3.5	3.5
14	20.5	20.5	20.5	15.0	14.5	14.5	11.0	10.5	11.0	4.0	3.5	3.5
15	21.0	20.5	20.5	15.5	15.0	15.0	11.0	10.5	10.5	5.0	4.0	4.5
16	21.0	20.5	21.0	15.5	15.0	15.5	11.0	10.5	10.5	5.5	5.0	5.0
17	21.5	21.0	21.0	15.0	14.0	14.5	10.5	10.0	10.5	5.5	4.5	5.0
18	22.0	21.0	21.5	14.0	13.5	14.0	10.0	10.0	10.0	4.5	4.0	4.0
19	22.0	21.5	22.0	13.5	12.5	12.5	10.0	10.0	10.0	4.5	4.0	4.0
20	22.0	21.5	21.5	12.5	12.5	12.5	10.0	9.5	10.0	5.0	4.5	4.5
21	21.5	20.5	21.0	12.5	12.0	12.5	9.5	8.0	8.5	5.0	5.0	5.0
22	20.5	20.0	20.5	12.5	12.0	12.0	8.0	7.5	7.5	5.5	5.0	5.0
23	20.0	19.5	20.0	12.5	12.0	12.0	7.5	7.0	7.5	5.5	5.0	5.5
24	19.0	18.0	18.5	13.0	12.5	13.0	8.0	7.5	7.5	6.0	5.5	5.5
25	18.0	17.5	17.5	13.5	13.0	13.0	8.0	6.5	7.0	6.0	5.5	6.0
26	17.5	16.0	16.5	13.0	12.0	12.5	6.5	6.0	6.0	6.5	6.0	6.0
27	16.5	16.0	16.5	12.5	12.0	12.0	6.0	5.0	5.5	7.0	6.0	6.5
28	17.0	16.5	17.0	12.5	11.0	12.0	5.5	5.0	5.0	7.5	7.0	7.0
29	17.5	17.0	17.0	11.0	10.0	10.0	6.5	5.5	6.5	7.5	7.0	7.5
30	17.5	16.5	17.0	10.5	9.5	9.5	7.0	6.5	7.0	7.5	7.0	7.5
31	16.5	16.0	16.0	---	---	---	7.0	7.0	7.0	7.0	6.0	6.5

## 02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	6.5	6.0	6.0	13.0	12.0	12.5	17.5	15.5	16.0	23.5	23.5	23.5
2	8.0	6.5	7.5	14.0	13.0	13.5	16.5	16.0	16.0	23.5	22.5	23.0
3	8.0	5.5	6.5	14.5	14.0	14.0	17.0	16.0	17.0	22.5	21.5	22.0
4	5.5	5.0	5.5	14.0	13.0	13.5	16.5	15.5	16.0	23.5	21.5	22.0
5	6.0	5.5	5.5	14.5	13.0	13.5	17.5	16.0	16.5	24.0	22.0	22.5
6	6.0	5.5	5.5	14.0	13.5	14.0	18.0	17.5	17.5	23.5	22.0	22.5
7	6.0	5.5	6.0	13.5	13.5	13.5	17.5	17.0	17.5	22.5	21.5	22.0
8	6.5	6.0	6.0	13.5	13.0	13.0	17.0	16.0	16.5	21.0	19.0	20.0
9	7.0	6.0	6.5	13.0	12.5	13.0	18.0	16.5	17.0	19.5	19.0	19.0
10	8.0	6.5	7.0	13.5	12.5	13.0	19.5	17.5	18.0	19.5	19.0	19.5
11	8.5	8.0	8.0	13.5	13.0	13.5	19.5	17.5	18.5	21.0	19.5	20.0
12	8.5	6.5	7.5	14.0	13.5	13.5	20.5	18.5	19.5	21.5	21.0	21.0
13	6.5	6.0	6.5	14.0	13.5	13.5	21.5	20.0	20.5	22.5	21.0	21.5
14	7.0	6.5	6.5	14.0	13.5	13.5	21.5	19.0	19.5	22.5	21.0	21.5
15	7.5	7.0	7.5	14.0	13.5	13.5	20.5	19.5	20.0	22.5	20.5	21.5
16	8.0	7.5	8.0	14.0	13.5	13.5	20.0	19.0	19.0	22.5	22.0	22.0
17	8.5	8.0	8.5	13.0	12.0	12.5	19.5	18.5	19.0	22.5	21.5	22.0
18	8.5	8.5	8.5	12.5	12.0	12.0	21.0	19.5	20.0	23.0	21.5	22.0
19	9.0	8.5	8.5	12.5	12.0	12.5	22.0	21.5	21.5	23.0	21.0	22.0
20	11.0	8.5	9.5	12.5	11.5	11.5	22.0	20.5	21.5	23.0	23.0	23.0
21	11.0	11.0	11.0	12.0	11.0	11.5	22.0	20.5	21.5	---	---	---
22	11.0	10.5	11.0	12.0	11.5	12.0	20.0	19.5	20.0	---	---	---
23	11.5	10.5	11.0	11.5	10.5	11.0	20.5	19.5	20.0	---	---	---
24	11.5	11.0	11.0	11.5	10.5	10.5	21.0	20.5	20.5	24.0	23.0	23.0
25	11.5	10.5	11.0	13.0	11.5	12.0	21.0	20.0	20.5	25.0	18.0	23.0
26	12.5	11.0	11.5	14.0	13.0	13.0	20.5	19.5	20.0	24.0	22.5	23.0
27	12.5	12.0	12.0	14.5	13.0	13.5	21.5	20.0	20.5	23.0	22.5	22.5
28	12.5	12.0	12.0	14.5	14.0	14.5	23.0	21.5	22.0	24.0	22.5	23.0
29	---	---	---	14.0	13.0	13.5	23.0	22.0	22.5	25.5	24.0	24.5
30	---	---	---	15.0	13.5	14.0	23.5	22.0	22.5	25.5	24.0	24.5
31	---	---	---	16.5	14.5	15.5	---	---	---	26.0	25.0	25.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	25.5	24.5	25.0	27.0	26.0	26.5	26.5	26.0	26.0	27.5	26.0	26.5
2	25.0	24.5	24.5	26.5	26.0	26.5	27.0	26.0	26.5	28.0	26.5	27.0
3	25.5	24.5	25.0	26.0	25.0	26.0	27.5	26.5	27.0	28.0	26.5	27.0
4	26.5	24.5	25.5	26.5	26.0	26.0	28.0	27.0	27.5	27.5	27.0	27.5
5	27.5	25.5	26.5	27.5	26.0	27.0	28.5	27.5	28.0	27.5	26.5	27.0
6	27.5	26.5	27.0	28.0	27.0	27.5	28.5	28.0	28.5	27.0	26.5	26.5
7	27.5	26.5	27.0	28.5	27.5	28.0	28.5	28.0	28.5	27.5	26.0	26.5
8	27.5	26.5	27.0	29.0	28.0	28.5	28.5	28.0	28.0	27.5	27.0	27.0
9	27.5	26.5	27.0	29.5	28.0	28.5	28.0	28.0	28.0	28.0	27.0	27.5
10	28.0	27.0	27.5	29.5	29.0	29.0	28.5	28.0	28.0	27.5	27.0	27.0
11	29.0	28.0	28.0	29.5	29.0	29.0	28.5	28.0	28.0	28.0	27.0	27.5
12	28.5	28.0	28.0	29.5	28.5	29.0	28.5	28.0	28.0	28.0	27.0	27.5
13	29.0	28.0	28.5	30.0	29.0	29.5	28.5	28.0	28.0	28.0	27.0	27.5
14	30.0	28.5	29.5	30.5	29.5	30.0	28.5	28.0	28.0	28.0	27.0	27.5
15	31.0	30.0	30.0	30.5	30.0	30.5	28.5	28.0	28.0	28.0	27.5	27.5
16	31.0	30.5	30.5	30.5	28.5	29.5	28.5	28.0	28.0	28.0	27.5	27.5
17	31.5	30.5	31.0	29.5	28.5	29.0	28.5	27.5	28.0	27.5	27.0	27.0
18	31.5	30.0	31.0	30.0	29.0	29.5	27.5	26.5	27.0	27.5	26.5	27.0
19	30.0	28.5	29.5	29.5	28.5	29.0	26.5	24.5	26.0	26.5	25.0	26.0
20	29.5	28.5	29.0	29.5	28.5	29.0	24.5	24.0	24.5	25.5	25.0	25.0
21	30.0	29.0	29.5	29.5	29.0	29.5	25.0	24.5	24.5	25.5	24.5	25.0
22	30.5	29.5	30.0	30.0	29.0	29.5	25.0	24.0	24.5	25.5	24.5	25.0
23	31.0	30.0	30.0	30.5	29.0	30.0	24.5	24.0	24.5	25.5	25.0	25.0
24	30.5	29.0	29.5	29.5	28.5	29.0	26.0	24.5	24.5	25.0	24.5	25.0
25	29.5	28.5	29.0	29.5	28.5	28.5	26.0	25.0	25.5	25.0	24.5	24.5
26	30.0	29.0	29.0	29.0	28.5	28.5	26.0	25.5	26.0	25.0	24.0	24.5
27	29.0	28.5	29.0	30.0	29.0	29.5	26.0	25.0	25.5	26.0	24.5	25.0
28	28.5	27.5	28.0	30.0	29.5	30.0	26.0	25.0	25.5	26.0	25.0	25.0
29	27.5	27.0	27.5	30.0	29.0	29.5	25.5	25.0	25.0	26.0	25.5	25.5
30	27.0	26.0	27.0	29.5	28.0	29.0	26.5	25.5	25.5	25.5	24.5	25.0
31	---	---	---	28.0	26.5	27.5	26.5	25.5	26.0	---	---	---
YEAR	31.5	3.5	18.5									

## 02171000 LAKE MARION NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°27'00", long 80°09'50", Berkeley County, Hydrologic Unit 03050111, at right upstream end of spillway, 2.8 mi (4.5 km) upstream from old Santee Canal, 5.4 mi (8.7 km) upstream from Dead River, and 8.0 mi (12.9 km) west of Pineville.

DRAINAGE AREA.--14,700 mi<sup>2</sup> (38,100 km<sup>2</sup>), approximately.

PERIOD OF RECORD.--January 1942 to current year. Prior to October 1942, published as Santee Reservoir near Pineville.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Harza Engineering Co.). Prior to May 6, 1942, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by earth dam. Storage began in November 1941; dam completed in 1941. Usable capacity, 47,930,000,000 ft<sup>3</sup> (1,357,000,000 m<sup>3</sup>) between elevations 60.0 ft (18.29 m) (limit of drawdown) and 76.8 ft (23.41 m) (maximum normal lake elevation). Dead storage, about 15,250,000,000 ft<sup>3</sup> (431,900,000 m<sup>3</sup>). Figures given herein represent usable contents. Elevation of spillway crest 63.0 ft (19.20 m); top of spillway gates, 76.8 ft (23.41 m). Some water used for generation of power. Major portion of water is diverted from Lake Marion through canal to Lake Moultrie (see preceding page) for generation of power and for navigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 77.35 ft (23.576 m) Feb. 28, 1964 (distorted due to high westerly winds); minimum, 61.36 ft (18.703 m) Oct. 17, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 75.85 ft (23.119 m) Oct. 9, 10; minimum, 71.02 ft (21.647 m) Feb. 1.

Capacity table (elevation, in feet and meters), and  
usable contents, (in billions of cubic feet and millions of cubic meters)  
(Prepared from volume curve drawn by Harza Engineering Co.)

71.0 ft (21.64 m)	24.31 ft <sup>3</sup> (688.5 m <sup>3</sup> )
72.0 ft (21.95 m)	27.75 ft <sup>3</sup> (785.9 m <sup>3</sup> )
74.0 ft (22.56 m)	35.41 ft <sup>3</sup> (1,003.0 m <sup>3</sup> )
76.0 ft (23.16 m)	44.13 ft <sup>3</sup> (1,250.0 m <sup>3</sup> )
77.0 ft (23.47 m)	48.88 ft <sup>3</sup> (1,384.0 m <sup>3</sup> )

ELEVATION (FEET NGVD). WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.05	74.94	74.53	72.69	71.04	74.58	74.63	74.98	74.95	75.02	75.17	75.12
2	74.19	74.92	74.61	72.56	71.35	74.73	74.70	74.91	75.01	75.04	75.35	75.09
3	74.35	74.89	74.54	72.49	71.14	74.68	74.82	74.91	75.03	75.21	75.41	75.05
4	74.68	74.89	74.46	72.32	71.13	74.84	74.90	74.91	75.18	75.21	75.37	75.01
5	75.24	74.83	74.40	72.12	71.08	74.93	75.04	74.85	75.20	75.25	75.35	75.03
6	75.60	74.82	74.39	72.07	71.14	74.89	75.02	74.91	75.27	75.27	75.32	75.01
7	75.77	74.82	74.37	72.13	71.20	74.94	75.10	74.94	75.38	75.19	75.32	74.93
8	75.81	74.74	74.25	72.13	71.24	75.00	75.14	74.90	75.47	75.19	75.27	74.99
9	75.85	74.70	74.13	72.11	71.22	75.02	75.19	74.95	75.46	75.19	75.28	75.04
10	75.81	74.65	74.06	72.05	71.27	74.94	75.22	74.96	75.44	75.13	75.35	75.10
11	75.82	74.58	73.97	72.06	71.69	74.90	75.25	75.04	75.36	75.15	75.45	75.07
12	75.65	74.49	73.94	71.94	71.60	74.84	75.25	74.94	75.41	75.05	75.40	75.03
13	75.50	74.42	73.91	71.85	71.74	74.84	75.15	74.91	75.46	75.03	75.39	75.00
14	75.39	74.43	73.84	71.83	71.96	74.76	75.13	74.90	75.46	74.96	75.36	74.91
15	75.31	74.49	73.70	71.87	72.32	74.70	75.10	74.84	75.40	74.95	75.30	74.88
16	75.32	74.44	73.57	71.90	72.77	74.62	75.17	74.78	75.31	75.04	75.21	74.94
17	75.33	74.39	73.45	71.81	73.08	74.54	75.18	74.81	75.21	74.99	75.21	75.00
18	75.34	74.30	73.31	71.83	73.34	74.67	75.16	74.84	75.25	75.05	75.23	75.02
19	75.36	74.22	73.19	71.84	73.53	74.65	75.22	74.73	75.26	75.04	75.18	74.99
20	75.26	74.24	73.08	71.82	73.64	74.55	75.18	74.76	75.25	74.99	75.12	74.97
21	75.23	74.26	72.95	71.86	73.78	74.53	75.10	74.73	75.28	74.91	75.18	74.94
22	75.16	74.26	72.81	71.89	73.98	74.71	75.11	74.75	75.27	74.82	75.18	74.90
23	75.12	74.26	72.73	71.86	74.19	74.62	75.15	74.77	75.08	74.81	75.20	74.80
24	75.08	74.35	72.80	71.81	74.26	74.58	75.14	74.76	75.15	74.81	75.23	74.84
25	74.99	74.24	72.69	71.74	74.30	74.63	75.18	74.73	75.10	74.80	75.19	74.83
26	74.98	74.20	72.69	71.64	74.34	74.60	75.20	74.66	75.05	74.85	75.20	74.80
27	74.95	74.32	72.68	71.54	74.42	74.53	75.14	74.80	75.06	74.81	75.18	74.79
28	74.96	74.38	72.61	71.48	74.51	74.52	75.07	74.79	75.04	74.80	75.19	74.72
29	74.93	74.39	72.68	71.38	---	74.50	75.04	74.74	75.03	74.84	75.18	74.76
30	74.98	74.47	72.73	71.32	---	74.53	75.04	74.77	75.00	74.92	75.16	74.76
31	74.96	---	72.71	71.16	---	74.47	---	74.95	---	75.09	75.13	---
MAX	75.85	74.94	74.61	72.69	74.51	75.02	75.25	75.04	75.47	75.27	75.45	75.12
MIN	74.05	74.20	72.61	71.16	71.04	74.47	74.63	74.66	74.95	74.80	75.12	74.72
(+)	39.47	37.40	30.38	24.86	37.57	37.40	39.82	39.43	39.64	40.04	40.22	38.63
(*)	1706	-799	-2621	-2061	5254	-63	934	-146	81	149	67	-613
CAL YR 1980	* 28			MAX 76.71	MIN 72.35							
WTR YR 1981	* 118			MAX 75.85	MIN 71.04							

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.

(\*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.



## 02171500 SANTEE RIVER NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°27'15", long 80°09'25", Berkeley County, Hydrologic Unit 03050112, on right bank 2.4 mi (3.9 km) downstream from Lake Marion Dam, 3.0 mi (4.8 km) upstream from Dead River, 6.7 mi (10.8 km) west of Pineville, and at mile 85.0 (136.8 km).

DRAINAGE AREA.--14,700 mi<sup>2</sup> (38,100 km<sup>2</sup>), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 23.00 ft (7.010 m) National Geodetic Vertical Datum of 1929 (levels by South Carolina Public Service Authority). Prior to Feb. 25, 1943, nonrecording gage at site 2.2 mi (3.5 km) upstream or temporary water-stage recorder operated by Corps of Engineers, at site 200 ft (60 m) upstream, at different datum.

REMARKS.--Records good except those for period of doubtful gage-height record Oct. 1 to Jan. 31, which are poor. Flow completely regulated by Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin. Seepage from north dike of Lake Marion Dam bypasses station via Little River. Results of discharge measurements in cubic feet per second and cubic meters per second, of Little River, just below dam, made during water year 1981 are given below.

Dec. 30 - 17.4 ft<sup>3</sup>/s (0.49 m<sup>3</sup>/s)  
Mar. 31 - 18.3 ft<sup>3</sup>/s (0.52 m<sup>3</sup>/s)  
Aug. 13 - 22.0 ft<sup>3</sup>/s (0.62 m<sup>3</sup>/s)

AVERAGE DISCHARGE.--39 years, 2,235 ft<sup>3</sup>/s (63.3 m<sup>3</sup>/s), 2.06 in/yr (52 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 155,000 ft<sup>3</sup>/s (4,390 m<sup>3</sup>/s) Sept. 23, 1945, gage height, 31.1 ft (9.48 m) from floodmarks, from rating curve extended above 13,000 ft<sup>3</sup>/s (368 m<sup>3</sup>/s) by computation of flow over spillway at Lake Marion; minimum daily, 9.0 ft<sup>3</sup>/s (0.25 m<sup>3</sup>/s) Feb. 23, 1947 (caused by repair work at spillway).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,640 ft<sup>3</sup>/s (74.8 m<sup>3</sup>/s) Mar. 16, gage height, 7.01 ft (2.137 m); minimum daily, 446 ft<sup>3</sup>/s (12.6 m<sup>3</sup>/s) Aug. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	506	502	498	519	545	557	549	524	535	472	453	470
2	494	500	508	523	545	557	551	534	561	470	486	469
3	504	496	513	523	551	545	549	520	513	470	475	467
4	500	489	496	527	543	541	546	520	485	473	470	467
5	502	494	485	527	547	559	552	518	465	471	466	466
6	511	489	498	485	541	578	582	515	469	474	473	468
7	535	489	498	489	539	547	551	530	475	474	471	466
8	504	485	500	508	547	549	532	544	471	457	455	474
9	508	487	500	508	563	551	529	535	535	458	446	477
10	500	489	502	515	563	551	531	527	553	463	448	471
11	511	502	496	515	578	553	531	553	511	462	461	471
12	525	511	487	531	594	559	534	653	497	473	470	473
13	515	506	473	519	578	565	529	544	465	516	468	472
14	494	500	489	513	569	547	538	539	475	472	480	473
15	485	506	496	508	559	521	537	556	459	468	454	469
16	519	508	498	508	555	1200	540	552	454	469	481	491
17	519	519	491	527	559	795	537	539	452	473	481	471
18	519	541	494	519	572	561	534	539	455	466	481	472
19	523	521	498	515	563	563	530	533	462	469	500	480
20	523	513	502	531	543	576	554	516	466	470	517	482
21	521	515	517	539	543	576	544	521	465	480	471	482
22	521	508	519	527	549	576	556	515	465	467	455	475
23	527	506	519	531	565	592	551	513	463	463	464	476
24	537	504	508	529	576	570	868	510	459	468	468	478
25	959	504	515	529	563	553	624	504	461	471	462	479
26	726	511	519	529	555	551	528	498	464	473	460	479
27	506	511	521	527	561	549	533	510	454	473	460	476
28	502	598	521	531	565	553	520	517	461	469	463	475
29	500	604	519	531	---	553	528	506	461	473	469	476
30	506	502	517	541	---	555	527	493	463	480	470	478
31	508	---	519	553	---	545	---	453	---	477	464	---
TOTAL	16510	15310	15616	16177	15631	18148	16615	16331	14374	14614	14542	14223
MEAN	533	510	504	522	558	585	554	527	479	471	469	474
MAX	959	604	521	553	594	1200	868	653	561	516	517	491
MIN	485	485	473	485	539	521	520	453	452	457	446	466
CAL YR 1980 TOTAL	933736			2551	58100	442						
WTR YR 1981 TOTAL	188091			515	1200	446						

02171560 SANTÉE RIVER NEAR RUSSELLVILLE, S.C.

LOCATION.--Lat 33°29'38," long 79°57'38," Berkeley County, Hydrologic Unit 03050112, on downstream side of U.S. Highway 52 main channel bridge, 5.2 mi (8.4 km) northeast of Russellville, and at mile 63.7 (102.5 km).

DRAINAGE AREA.--14,800 mi<sup>2</sup> (38,300 km<sup>2</sup>).

PERIOD OF RECORD.--October 1979 to current year.

GAGE.--Water stage recorder. Datum of gage is 10.59 ft (3.228 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for period of no gage-height record Nov. 21 to Jan. 21, which are poor. Flow completely regulated by Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged in Cooper River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,400 ft<sup>3</sup>/s (1,990 m<sup>3</sup>/s) Apr. 1, 1980, gage height, 24.45 ft (7.452 m); minimum daily, 441 ft<sup>3</sup>/s (12.5 m<sup>3</sup>/s) July 12, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,150 ft<sup>3</sup>/s (32.6 m<sup>3</sup>/s) Mar. 17, gage height, 5.38 ft (1.640 m); minimum daily, 441 ft<sup>3</sup>/s (12.5 m<sup>3</sup>/s) July 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	548	545	600	550	569	569	574	526	515	467	502	493
2	534	540	550	550	574	568	586	522	609	473	542	497
3	519	536	550	550	570	565	589	524	597	486	620	497
4	517	533	550	550	577	549	584	520	550	502	635	495
5	514	530	500	550	566	577	577	520	526	486	592	493
6	512	532	500	550	564	619	588	517	515	471	552	493
7	515	527	550	500	558	601	586	535	520	465	533	493
8	531	528	550	550	555	580	566	550	517	454	517	497
9	524	528	550	550	563	573	548	545	515	445	500	504
10	517	527	500	550	579	567	545	542	562	447	491	497
11	514	529	500	550	604	562	545	542	579	449	489	495
12	516	531	500	600	621	565	541	612	550	441	515	495
13	523	542	500	550	632	574	537	594	513	497	495	495
14	522	547	500	550	617	567	535	555	497	493	509	495
15	515	541	500	550	597	548	533	547	495	471	495	495
16	509	557	500	550	587	548	535	565	484	469	495	500
17	521	550	500	550	575	1010	538	550	475	473	509	506
18	530	558	500	550	595	694	533	545	471	471	504	491
19	531	567	500	550	608	597	531	547	480	469	515	491
20	533	577	500	550	602	576	533	531	480	471	535	497
21	532	550	550	550	573	602	557	524	480	475	522	500
22	531	550	550	560	575	595	545	524	475	482	493	497
23	532	550	550	558	579	606	565	520	475	475	493	491
24	537	550	550	556	583	617	560	520	486	480	504	491
25	547	550	550	552	587	594	789	517	478	478	502	491
26	606	550	550	552	571	578	597	511	467	484	495	491
27	721	550	550	550	564	571	542	526	460	489	491	491
28	579	550	550	551	571	561	531	542	456	484	493	489
29	553	550	550	550	---	566	526	529	458	484	497	486
30	545	650	550	545	---	571	529	522	456	486	500	489
31	553	---	550	559	---	568	---	511	---	547	497	---
TOTAL	16686	16425	16450	17083	16325	18438	16845	16635	15141	14764	16032	14835
MEAN	538	548	531	551	583	595	562	537	505	476	517	495
MAX	721	650	600	600	632	1010	789	612	609	547	635	506
MIN	509	527	500	500	555	548	526	511	456	441	489	486
CAL YR 1980 TOTAL	1148345			MEAN 3138	MAX 69000	MIN 484						
WTR YR 1981 TOTAL	195659			MEAN 536	MAX 1010	MIN 441						

## SANTEE RIVER BASIN

02171620 CRAWL CREEK NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°26'18", long 79°59'47", Berkeley County, Hydrologic Unit 03050112, at bridge on State Highway 6, 1.0 mi (1.6 km) upstream from U.S. Highway 52, 2.5 mi (4.0 km) east of Pineville, and at mile 3.1 (5.0 km).

PERIOD OF RECORD.--Water years 1975 to current year.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L AS SI02)	OXYGEN, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT									
15...	1200	175	8.2	16.5	100	790	9.3	--	6.0
NOV									
19...	1115	160	--	8.5	30	800	--	1995	--
DEC									
11...	1245	150	7.4	11.5	1000	1800	11.0	--	7.0
JAN									
13...	1230	135	--	.5	100	640	8.9	2563	4.0
FEB									
12...	1215	121	7.3	5.0	120	1500	10.3	1140	5.0
MAR									
13...	1130	158	6.9	11.5	80	880	2.4	790	3.0
APR									
09...	1210	108	7.2	18.0	60	630	7.8	52	4.0
MAY									
13...	1130	125	7.0	19.0	70	--	4.6	80	--
JUN									
10...	1200	153	7.4	28.0	400	900	5.7	1480	6.0
JUL									
31...	1030	125	7.3	21.5	150	1100	7.8	881	7.0
AUG									
28...	1040	148	7.3	25.0	200	500	1.4	287	6.0
SEP									
10...	1000	167	7.4	22.0	60	380	4.4	305	2.0
DATE		IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT									
15...	6500	6500	30	50	30	20	9.3	256	100
NOV									
19...	36000	27000	8800	150	110	40	--	2058	100
DEC									
11...	41000	40000	790	150	130	20	--	3274	100
JAN									
13...	34000	30000	4000	420	150	270	--	2315	100
FEB									
12...	27000	27000	50	100	60	40	--	897	100
MAR									
13...	19000	14000	5200	280	--	--	--	782	96
APR									
09...	1400	1100	290	40	0	40	--	41	90
MAY									
13...	4000	3900	150	100	10	90	4.6	79	86
JUN									
10...	950	0	1300	140	120	20	--	804	96
JUL									
31...	41000	41000	130	190	150	40	7.1	--	--
AUG									
28...	8600	8400	180	180	100	80	--	334	96
SEP									
10...	9200	9100	60	180	120	60	--	--	--

## SANTÉE RIVER BASIN

153

02171650 SANTÉE RIVER BELOW ST. STEPHENS, S.C.

LOCATION.--Lat 33°24'05", long 79°51'20", Berkeley County, Hydrologic Unit 03050112, on right bank, on Tract 13P of Francis Marion National Forest, 3.9 mi (6.3 km) east of St. Stephens, 600 ft (180 m) downstream from Mattassee Lake, and at mile 52.0 (83.7 km).

DRAINAGE AREA.--14,900 mi<sup>2</sup> (38,600 km<sup>2</sup>), approximately.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1970 to current year, except those for period of doubtful or no gage height record Mar. 5 to Apr. 14, which are poor.

GAGE.--Water-stage recorder. Datum of gage is 0.23 ft (.070 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--15 years, 2,872 ft<sup>3</sup>/s (81.3 m<sup>3</sup>/s), 2.62 in/yr (67 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 98,900 ft<sup>3</sup>/s (2,800 m<sup>3</sup>/s) Mar. 21, 22, 1975; gage height, 29.67 ft (9.043 m); minimum daily, 491 ft<sup>3</sup>/s (13.91 m<sup>3</sup>/s) Aug. 2, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, about 1,300 ft<sup>3</sup>/s (36.8 m<sup>3</sup>/s) Mar. 18, gage height, unknown; minimum daily, 481 ft<sup>3</sup>/s (13.6 m<sup>3</sup>/s) July 30.

DISCHARGE. IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	700	793	827	827	839	874	804	700	761	617	589	549
2	692	793	804	816	862	880	804	692	821	624	617	542
3	661	782	810	810	868	880	804	692	886	661	777	542
4	661	782	810	810	868	874	804	685	804	750	856	549
5	654	777	810	804	862	886	804	685	708	700	833	549
6	654	777	799	816	850	920	804	685	669	639	771	542
7	646	771	799	804	839	900	804	700	661	624	717	549
8	654	771	799	799	833	880	804	742	669	617	661	568
9	646	771	799	810	833	892	804	750	669	582	610	575
10	639	771	799	816	839	892	804	750	750	568	568	555
11	631	771	804	816	874	892	804	750	799	568	542	542
12	631	771	810	816	898	892	804	788	788	582	582	542
13	631	777	810	788	916	892	804	856	755	589	582	536
14	631	782	804	816	923	892	804	788	692	654	582	536
15	624	793	804	816	898	892	804	777	677	562	582	530
16	624	804	816	816	874	892	793	777	661	536	555	530
17	631	804	816	816	868	920	793	777	661	523	568	562
18	639	821	810	816	874	1200	793	771	661	511	568	536
19	646	827	810	816	898	1000	793	771	717	511	575	530
20	646	833	810	810	898	840	799	771	742	511	617	530
21	661	833	810	821	892	804	821	750	708	511	624	530
22	661	821	810	839	874	804	821	742	692	505	582	536
23	661	821	827	833	874	804	821	742	677	499	562	523
24	661	821	839	833	880	804	833	742	700	505	568	523
25	669	821	833	827	880	804	1030	742	725	493	575	511
26	948	810	827	827	886	804	898	742	677	487	549	530
27	967	810	827	827	874	804	750	755	669	499	542	517
28	821	816	833	827	874	804	733	793	639	493	536	523
29	799	856	833	827	---	804	700	788	617	487	542	520
30	793	892	839	827	---	804	700	669	617	481	549	523
31	793	---	833	833	---	804	---	761	---	596	555	---
TOTAL	21375	24072	25261	25359	24448	27034	24138	23133	21272	17485	18936	16130
MEAN	690	802	815	818	873	872	805	746	709	564	611	538
MAX	967	892	839	839	923	1200	1030	856	886	750	856	575
MIN	624	771	799	788	833	804	700	669	617	481	536	511
CAL YR 1980 TOTAL	1503741			MEAN 4109	MAX 72600	MIN 523						
WTR YR 1981 TOTAL	268643			MEAN 736	MAX 1200	MIN 481						

## SANTEE RIVER BASIN

02171650 SANTEE RIVER BELOW ST. STEPHENS, S.C.--Continued

## WATER-QUALITY RECORDS

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L AS SiO2)	OXYGEN, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	
OCT 15...	1030	100	7.1	19.0	50	54	7.4	24	4.0	
NOV 19...	1200	85	--	12.5	5	5	--	4	3.0	
DEC 11...	1115	112	7.0	12.0	120	250	10.2	110	3.0	
JAN 13...	1330	100	6.8	.5	15	--	11.2	--	3.0	
FEB 12...	1100	105	7.5	7.0	20	320	12.2	--	4.0	
MAR 13...	1015	95	7.0	13.0	20	18	10.6	20	3.0	
APR 09...	1100	111	7.0	19.0	30	39	7.9	30	4.0	
MAY 13...	1015	108	7.0	21.5	20	--	7.2	23	3.0	
JUN 10...	1030	120	7.2	29.0	80	140	5.8	132	3.0	
JUL 31...	1130	109	7.2	26.5	0	8	6.0	132	--	
AUG 28...	1145	165	7.1	25.0	70	100	5.9	88	3.0	
SEP 10...	1130	127	7.0	26.0	8	6	6.2	4	--	
DATE		IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	CARRON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 15...	1600	1500	100	100	30	70	4.8	23	100	
NOV 19...	630	500	130	80	10	70	--	7	100	
DEC 11...	9000	8900	100	70	30	40	--	79	100	
JAN 13...	720	430	290	60	0	60	--	5	75	
FEB 12...	950	820	130	60	10	50	--	24	63	
MAR 13...	960	690	270	170	70	100	--	9	86	
APR 09...	1500	1200	350	210	70	140	--	25	94	
MAY 13...	1100	850	250	120	50	70	--	47	55	
JUN 10...	3100	3000	110	170	90	80	--	123	97	
JUL 31...	850	770	80	110	30	80	3.5	--	--	
AUG 28...	3900	3700	180	160	40	120	--	81	95	
SEP 10...	650	530	120	100	20	80	--	--	--	



02171680 WEDBOO CREEK NEAR JAMESTOWN, S.C.

LOCATION.--Lat 33°19'50", long 79°48'10", Berkeley County, Hydrologic Unit 03050112, on right downstream wingwall of culvert on S.C. Highway 45, 1.4 mi (2.3 km) southeast of Alvin, 3.3 mi (5.3 km) upstream from mouth, and 7.5 mi (12.1 km) northwest of Jamestown.

DRAINAGE AREA.--17.4 mi<sup>2</sup> (45.1 km<sup>2</sup>).

PERIOD OF RECORD.--September 1966 to Feb. 1972, Feb. 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (6.1 m) (from topographic map).

REMARKS.--Records fair.

AVERAGE DISCHARGE.--13 years, 11.3 ft<sup>3</sup>/s (0.320 m<sup>3</sup>/s), 8.83 in/yr (224 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 928 ft<sup>3</sup>/s (26.3 m<sup>3</sup>/s) Aug. 26, 1971, gage height, 5.96 ft (1.817 m); maximum gage-height, 8.82 ft (2.688 m) (caused by backwater). No flow for many days during water years 1966-69, Aug. 14, 1973, Oct. 27 to Nov. 7, 1974, Sept. 4, 10, 11, 16-25, 27, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft<sup>3</sup>/s (2.83 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
Apr. 2	0300	*11	0.31	*1.99	0.607

Minimum daily, 0.15 ft<sup>3</sup>/s (0.004 m<sup>3</sup>/s), Oct. 7-11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	2.0	1.4	2.7	.55	.81	5.5	.74	.88	.43	.62	.43
2	.68	1.8	1.3	2.6	1.7	1.4	9.4	.68	1.3	.43	1.0	.43
3	.31	1.6	1.3	2.5	1.9	1.4	5.2	.68	1.1	.74	1.1	.43
4	.19	2.1	1.2	2.4	1.4	1.1	3.4	.68	.95	.74	.62	.43
5	.17	2.3	1.2	2.3	1.1	7.3	2.8	.62	1.2	.49	.49	.43
6	.16	2.2	1.2	2.2	.95	5.7	2.8	.62	.74	.43	.43	.49
7	.15	2.3	1.1	2.1	1.2	3.2	2.2	1.5	.62	.43	.43	.49
8	.15	2.5	1.1	2.0	1.3	2.4	2.0	4.5	.68	.43	.43	.49
9	.15	2.7	1.1	1.9	.88	1.9	1.6	2.2	.62	.43	.49	.49
10	.15	2.8	1.0	1.8	.74	1.7	1.4	1.8	.55	.43	.49	.49
11	.15	2.8	.95	1.7	4.1	1.5	1.3	1.4	.49	.43	.43	.55
12	.20	2.8	.88	1.6	4.8	1.4	1.2	1.2	.49	.43	1.5	.50
13	.20	2.8	.81	1.5	3.1	1.4	1.0	.95	.43	.43	1.3	.52
14	.30	2.8	.74	1.4	2.7	1.3	.95	.81	.43	.43	.49	.52
15	.35	2.3	.68	1.3	2.3	1.1	.88	.81	.43	.43	.49	.50
16	.40	1.6	.81	1.2	1.8	1.0	.81	.74	.43	.43	2.2	.50
17	.50	1.4	.95	1.2	1.7	1.0	.81	.68	.43	.43	.74	.50
18	.55	1.7	.74	1.1	2.2	1.5	.81	.62	.43	.43	1.0	.50
19	.60	1.5	.68	1.1	4.0	3.3	.74	.62	.43	.43	.55	.58
20	.62	1.4	.62	1.0	3.0	2.5	1.4	1.8	.49	.43	.43	.48
21	.68	1.8	.55	1.6	2.2	1.8	4.3	4.7	.55	.43	.49	.47
22	.74	1.7	.55	1.6	1.8	2.5	2.1	1.8	.43	.43	.43	.47
23	.88	1.5	2.8	1.4	1.8	5.2	1.6	1.2	.43	.43	1.4	.47
24	1.2	1.6	3.5	1.3	1.6	3.7	1.4	.81	.43	.43	1.4	.46
25	1.3	1.7	2.9	1.0	1.4	2.8	1.2	.68	.43	.49	.43	.46
26	1.4	1.6	2.6	1.0	1.1	2.2	.95	.62	.43	.43	.55	.46
27	1.5	1.7	2.8	.95	.95	1.9	.81	1.2	.43	.43	.49	.45
28	1.7	1.6	4.1	1.4	.81	1.6	.74	1.3	.43	.43	.43	.45
29	2.0	1.4	4.0	1.4	---	1.3	.74	.81	.43	.43	.43	.44
30	2.4	1.4	3.2	.95	---	1.9	.74	.62	.43	.43	.43	.44
31	2.1	---	2.9	.81	---	2.6	---	.62	---	.49	.43	---
TOTAL	22.88	59.4	49.66	49.01	53.08	70.41	60.78	38.01	17.54	16.07	20.20	14.22
MEAN	.74	1.98	1.60	1.58	1.90	2.27	2.03	1.23	.58	.52	.65	.47
MAX	2.4	2.8	4.1	2.7	4.8	7.3	9.4	4.7	1.3	1.4	2.2	.55
MIN	.15	1.4	.55	.81	.55	.81	.74	.62	.43	.43	.43	.43
CFSM	.04	.11	.09	.09	.11	.13	.12	.07	.03	.03	.04	.03
IN.	.05	.13	.11	.10	.11	.15	.13	.08	.04	.03	.04	.03

CAL YR 1980 TOTAL 9277.95 MEAN 25.3 MAX 600 MIN .00 CFSM 1.45 IN 19.83  
WTR YR 1981 TOTAL 471.26 MEAN 1.29 MAX 9.4 MIN .15 CFSM .07 IN 1.01

## SANTEE RIVER BASIN

02171700 SANTEE RIVER NEAR JAMESTOWN, S.C.

LOCATION.--Lat 33°18'17", long 79°40'42", Berkeley County, Hydrologic Unit 03050112, at downstream side of bridge on U.S. Highway 17A, 0.7 mi (1.1 km) below Wittee Branch, 0.10 mi (0.16 km) upstream from Seaboard Coastline Railroad, 1.5 mi (2.4 km) northeast of Jamestown, and at mile 36.4 (58.6 km).

DRAINAGE AREA.--15,044 mi<sup>2</sup> (38,964 km<sup>2</sup>).

PERIOD OF RECORD.--January 1974 to July 1976, September 1977 to current year. Gage height records July 1976 to September 1977 are in reports of the National Ocean Survey. April 1929 to current year (gage heights only) are in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by South Carolina Public Service Authority). Prior to Jan. 4, 1974, nonrecording gage at same site and datum. Prior to Nov. 19, 1963, nonrecording gage at Seaboard Railroad trestle, 400 ft (122 m) downstream and at same datum.

REMARKS.--Tidal gage height affected at medium and higher stages by regulation from Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily gage height, 32.0 ft (9.754 m) Apr. 15, 1936; minimum daily, 0.61 ft (0.186 m) Nov. 21, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum daily gage height recorded, 3.92 ft (1.195 m) May 8; minimum daily recorded, 0.83 ft (0.253 m) Mar. 17.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	2.23	1.19	1.92	1.16	---	---	2.51	1.27	2.09	1.22
2	---	---	2.26	1.16	2.11	1.14	---	---	2.60	1.42	2.42	1.19
3	---	---	2.34	1.27	1.81	1.03	---	---	1.46	.98	2.61	1.32
4	---	---	2.41	1.30	2.25	1.11	---	---	1.76	1.00	2.64	1.38
5	---	---	2.23	1.21	2.36	1.21	---	---	2.03	1.06	2.98	1.58
6	---	---	2.48	1.26	2.29	1.14	---	---	2.27	1.19	2.97	1.43
7	---	---	2.35	1.26	2.31	1.16	---	---	2.33	1.23	3.21	1.72
8	---	---	1.99	1.10	2.35	1.16	---	---	2.37	1.28	3.19	1.77
9	---	---	1.91	.99	2.11	1.13	---	---	2.16	1.18	3.07	1.61
10	---	---	1.63	.93	1.96	1.01	---	---	2.77	1.28	2.88	1.47
11	---	---	2.02	.94	2.25	.98	---	---	2.99	1.69	2.75	1.53
12	---	---	2.47	1.06	2.34	1.19	---	---	1.51	1.05	2.35	1.35
13	---	---	2.71	1.32	1.90	1.11	---	---	2.12	1.10	2.39	1.36
14	---	---	2.57	1.29	2.09	.99	1.60	---	2.49	1.28	1.94	1.15
15	---	---	2.68	1.42	2.27	1.22	1.70	1.01	2.61	1.36	2.20	1.08
16	---	---	3.11	1.52	2.38	1.39	1.99	.98	2.71	1.45	2.26	1.24
17	---	---	3.84	1.82	2.67	1.34	2.00	1.11	2.30	1.29	2.10	.83
18	---	---	3.34	2.25	2.93	1.51	1.99	1.05	2.28	1.22	2.35	1.53
19	---	---	2.96	1.40	2.50	1.33	2.50	1.15	2.45	1.35	2.71	1.41
20	2.70	1.14	3.08	1.64	2.66	1.18	2.74	1.38	2.22	1.36	2.51	1.55
21	2.76	1.44	3.29	1.71	3.19	1.50	2.53	1.42	1.90	1.22	2.36	1.36
22	2.93	1.52	3.03	1.48	3.04	1.47	2.28	1.17	2.62	1.44	2.61	1.39
23	3.20	1.56	3.20	1.50	2.92	1.54	1.99	1.13	2.62	1.36	3.63	1.57
24	3.84	1.97	3.17	1.61	2.41	1.26	2.21	1.21	2.29	---	2.65	1.55
25	3.59	1.92	2.70	1.39	2.10	1.02	2.26	1.31	1.89	1.09	2.71	1.35
26	2.30	1.10	3.12	1.43	2.52	1.29	2.06	1.26	1.81	1.19	2.30	1.17
27	2.74	1.43	3.26	1.84	---	---	1.94	1.19	2.07	1.14	2.06	1.00
28	2.54	1.29	---	---	---	---	1.82	1.07	2.35	1.32	1.83	1.13
29	1.96	1.03	---	---	---	---	1.92	1.07	---	---	2.08	1.16
30	2.50	1.12	---	---	---	---	1.75	.99	---	---	2.12	1.10
31	2.50	1.31	---	---	---	---	2.33	1.11	---	---	1.66	1.00
MEAN	2.80	1.40	2.68	1.38	2.37	1.21	2.09	1.15	2.27	1.25	2.50	1.34

02171700 SANTEE RIVER NEAR JAMESTOWN, S.C.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	2.03	1.06	2.49	1.15	2.44	1.32	3.04	1.38	3.48	1.80		
2	2.25	1.26	2.86	1.33	2.84	1.28	3.22	1.43	3.35	1.65		
3	2.70	1.35	3.20	1.53	2.82	1.25	3.17	1.65	3.23	1.76		
4	2.92	1.50	2.78	1.51	2.75	1.19	3.46	1.39	3.11	1.69		
5	2.72	1.51	3.29	1.68	2.51	---	2.92	1.35	2.66	1.48		
6	2.67	1.20	3.62	1.84	2.23	1.01	2.72	1.37	2.28	1.28		
7	2.60	1.44	3.64	2.05	2.13	1.03	2.43	1.24	2.39	1.21		
8	2.89	1.37	3.92	1.92	2.11	.96	2.80	1.34	2.61	1.32		
9	2.65	1.41	3.68	2.04	2.15	1.07	2.65	1.34	2.20	1.12		
10	2.32	1.19	3.14	1.64	1.73	.93	2.47	1.20	2.31	1.12		
11	2.53	1.24	2.86	1.43	2.01	.96	2.35	1.15	2.34	1.05		
12	2.22	1.18	2.15	1.15	2.36	1.20	2.72	1.22	2.42	1.08		
13	2.15	1.07	2.66	1.28	2.33	1.14	2.65	1.19	2.61	1.15		
14	2.69	1.33	2.99	1.52	2.15	.97	2.54	1.15	2.36	1.30		
15	2.90	1.39	2.74	1.42	2.44	1.00	2.03	1.16	3.04	1.42		
16	2.98	1.61	2.48	1.19	2.12	1.14	2.89	1.37	3.05	1.31		
17	2.36	1.44	2.50	1.18	2.70	1.10	3.01	1.25	2.75	1.23		
18	1.69	.92	2.64	1.29	2.50	1.09	2.78	1.26	3.26	1.59		
19	1.79	.99	2.00	1.13	2.45	1.14	2.75	1.30	3.68	1.94		
20	2.62	1.30	2.22	1.24	2.53	1.16	2.78	1.25	2.99	1.53		
21	3.07	1.74	2.81	1.28	2.27	1.06	2.52	1.25	3.73	1.61		
22	3.58	1.53	2.88	1.25	2.23	1.18	2.15	1.11	3.67	1.98		
23	2.77	1.18	2.62	1.13	2.04	1.07	2.56	1.16	3.08	1.50		
24	2.37	.86	2.41	1.32	2.42	1.12	2.82	1.38	3.26	1.50		
25	1.94	1.07	2.49	1.23	2.37	1.23	2.59	1.29	2.93	1.38		
26	2.48	1.46	2.72	1.35	2.18	1.14	2.64	1.21	3.30	1.50		
27	2.31	1.31	2.83	1.44	2.95	1.23	2.44	1.13	3.23	1.61		
28	1.85	.99	2.59	1.38	3.06	1.37	2.51	1.08	---	---		
29	2.04	1.06	2.44	1.25	3.18	1.47	2.57	1.13	---	---		
30	2.19	1.03	2.74	1.33	2.69	1.36	2.26	1.24	---	---		
31	---	---	2.76	1.38	---	---	3.05	1.65	---	---		
MEAN	2.48	1.27	2.81	1.41	2.42	1.14	2.69	1.28	2.94	1.45		
YEAR	2.55	1.30										

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

## SANTEE RIVER BASIN

02171730 SANTEE RIVER NEAR HONEY HILL, S.C.

LOCATION.--Lat 33°14'43", long 79°31'20", Berkeley County, Hydrologic Unit 03050112, near right bank 1.7 mi (2.7 km) downstream from Echaw Creek, 4.9 mi (7.9 km) northeast of Honey Hill, and at mile 25.0 (40.2 km).

PERIOD OF RECORD.--November 1973 to July 1976, August 1977 to current year. Gage height records July 1976 to August 1977 are in reports of the National Ocean Survey.

GAGE.--Water-stage recorder. Datum of gage is 13.23 ft (4.033 m) below National Geodetic Vertical Datum of 1929 (National Ocean Survey benchmark).

REMARKS.--Tidal gage height affected at medium and higher stages by regulation from Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily gage height, 26.61 ft (8.111 m) Mar. 24, 1975; minimum daily, 11.77 ft (3.587 m) Jan. 25, 1979 and Mar. 17, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily gage height, 17.11 ft (5.215 m) May 8; minimum daily, 11.77 ft (3.587 m) Mar. 17.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	16.66	14.00	15.52	13.07	15.12	12.82	15.92	13.50	15.85	13.07	15.35	12.99
2	16.37	14.00	15.56	13.03	15.46	12.95	15.17	12.84	15.98	12.97	15.76	12.88
3	15.98	13.48	15.61	13.22	15.12	12.80	15.27	12.64	14.78	12.19	15.98	13.00
4	15.89	13.29	15.73	13.22	15.57	12.88	14.96	12.47	15.10	12.30	16.02	13.06
5	16.04	13.36	15.56	13.08	15.71	13.03	15.74	12.64	15.46	12.36	16.37	13.42
6	16.16	13.39	15.85	13.13	15.71	12.88	15.91	12.84	15.73	12.75	16.29	13.00
7	16.22	13.66	15.70	13.08	15.70	12.90	15.70	12.97	15.82	12.85	16.56	13.49
8	16.16	13.65	15.28	12.79	15.79	12.90	16.07	12.78	15.76	12.97	16.43	13.58
9	15.95	13.46	15.36	12.53	15.54	12.79	16.34	13.27	15.53	12.73	16.37	13.39
10	15.91	13.27	14.97	12.35	15.39	12.55	16.10	13.40	16.06	13.17	16.24	13.21
11	15.96	13.25	15.48	12.51	15.78	12.57	15.89	13.18	16.28	13.70	16.10	13.06
12	15.83	13.06	15.94	12.82	15.76	12.93	15.70	13.18	14.64	12.22	15.72	13.11
13	16.00	13.22	16.06	13.26	15.25	12.70	15.62	12.98	15.48	12.49	15.70	13.03
14	15.88	13.25	15.92	13.17	15.52	12.66	15.17	12.80	15.86	12.84	15.22	12.69
15	15.92	13.21	15.98	13.30	15.65	13.02	15.04	12.52	15.97	13.01	15.56	12.64
16	15.79	13.17	16.39	13.65	15.77	13.29	15.48	12.51	16.07	13.18	15.66	12.75
17	15.80	13.15	17.03	14.02	16.02	13.14	15.41	12.77	15.67	12.83	15.13	11.77
18	15.73	13.12	16.54	13.67	16.28	13.45	15.47	12.62	15.68	12.75	15.60	12.75
19	15.60	12.94	16.30	13.14	15.93	13.13	15.99	12.84	15.82	12.93	16.08	13.08
20	15.37	12.95	16.42	13.53	16.21	12.83	16.17	13.24	15.65	12.79	15.92	13.16
21	16.26	13.41	16.65	13.69	16.57	13.43	16.07	13.13	15.28	12.78	15.71	13.07
22	16.33	13.48	16.42	13.26	16.48	13.35	15.79	12.84	15.92	13.25	15.86	13.07
23	16.58	13.52	16.58	13.33	16.34	13.39	15.42	12.79	15.88	13.20	16.88	13.44
24	17.08	14.22	16.54	13.50	15.89	12.92	15.62	12.98	15.52	12.67	15.91	13.48
25	16.82	13.38	16.14	13.15	15.18	12.48	15.55	13.17	15.14	12.85	15.94	13.12
26	15.75	12.57	16.46	13.34	15.92	13.15	15.30	13.03	14.94	12.83	15.53	12.83
27	15.99	12.88	16.91	14.35	16.00	13.49	15.16	12.83	15.26	13.21	15.28	12.48
28	15.90	13.00	15.86	13.50	16.28	13.72	15.05	12.76	15.56	13.38	14.87	12.80
29	15.33	12.60	14.49	12.40	15.77	13.30	15.21	13.13	---	---	15.31	12.70
30	15.83	13.14	15.11	12.15	15.90	13.92	14.93	12.50	---	---	15.39	13.10
31	15.82	13.29	---	---	16.14	13.54	15.69	12.94	---	---	14.92	12.41
MEAN	16.03	13.30	15.95	13.17	15.80	13.06	15.58	12.91	15.60	12.97	15.80	12.99

## 159

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	15.32	12.52	16.03	12.88	16.35	13.06	16.67	13.34	16.77	13.86	16.44	13.88
2	15.51	12.71	16.37	13.15	16.28	12.96	16.09	13.37	16.62	13.72	16.30	13.82
3	16.02	12.82	16.66	13.45	15.60	12.89	16.58	13.60	16.55	13.82	16.26	13.78
4	16.25	13.21	16.75	13.44	16.21	12.85	16.75	13.28	16.28	13.51	16.23	13.81
5	16.09	13.20	16.37	13.70	15.98	12.60	16.27	13.29	15.78	13.23	16.27	13.71
6	15.99	12.67	16.97	13.98	15.73	12.74	16.07	13.23	15.41	12.95	16.29	13.86
7	15.90	13.12	16.95	14.31	15.55	12.61	15.76	13.17	15.65	12.96	16.22	13.82
8	16.31	13.04	17.11	14.15	15.64	12.93	16.05	13.57	15.85	13.28	16.28	13.61
9	16.05	12.83	16.90	13.76	15.50	12.86	15.94	13.36	15.51	12.88	16.50	13.60
10	15.71	12.95	16.42	13.42	15.04	12.52	15.85	13.17	15.68	12.85	16.60	13.85
11	15.92	12.95	16.18	13.66	15.31	12.45	15.76	13.00	15.75	12.83	16.37	13.50
12	15.52	12.93	15.49	12.97	15.72	13.02	16.12	13.23	15.80	12.88	16.24	13.26
13	15.42	12.68	15.92	13.13	15.72	12.96	16.04	13.14	16.06	12.94	16.30	13.29
14	16.03	13.36	16.26	13.56	15.62	12.71	15.96	12.95	16.41	13.25	16.35	13.42
15	16.24	13.31	15.98	13.44	15.96	12.82	16.30	13.08	16.42	13.41	16.17	13.43
16	16.23	13.63	15.86	13.03	16.16	13.06	16.37	13.43	15.86	13.20	16.29	13.47
17	15.62	12.95	15.96	12.92	15.97	12.95	16.22	13.19	16.18	13.09	16.28	13.34
18	15.04	12.46	16.07	13.10	15.23	12.92	15.65	13.25	16.56	13.76	16.56	13.61
19	16.09	12.52	15.59	12.82	15.96	12.89	16.21	13.25	16.81	14.15	16.40	13.61
20	16.17	13.15	16.31	12.97	15.94	12.88	16.20	13.16	16.24	13.49	16.23	13.36
21	16.32	14.05	15.50	13.19	15.62	12.75	15.94	12.90	16.88	14.11	15.88	13.00
22	16.78	13.54	16.27	13.14	15.57	12.82	15.54	12.83	16.79	14.32	15.82	12.87
23	16.06	12.96	16.02	12.95	15.40	12.73	15.82	13.08	16.36	13.53	16.09	12.98
24	15.69	12.38	15.85	13.17	15.81	13.11	16.17	13.37	16.51	13.52	16.01	13.14
25	15.21	12.89	15.89	13.27	15.67	12.99	16.05	13.12	16.29	13.27	15.99	13.21
26	15.62	13.28	16.10	13.44	15.50	12.71	16.11	12.99	16.59	13.56	16.01	13.16
27	15.52	12.69	16.18	13.70	16.30	13.04	15.91	12.81	16.66	13.73	15.93	13.26
28	15.11	12.75	15.96	13.20	16.47	13.22	16.08	12.69	16.53	13.68	15.79	13.18
29	15.38	12.81	15.98	12.92	16.56	13.38	16.11	12.78	16.56	13.64	15.90	13.22
30	15.64	12.66	16.25	13.08	16.47	13.22	16.53	13.06	16.46	13.95	16.00	13.43
31	---	---	16.28	13.07	---	---	16.32	13.68	16.54	13.91	---	---
MEAN	15.83	12.97	16.21	13.32	15.83	12.89	16.11	13.17	16.27	13.46	16.20	13.45
YEAR	15.93	13.13										

## 02171800 NORTH SANTEE RIVER NEAR NORTH SANTEE, S.C.

LOCATION.--Lat 33°12'27", long 79°23'05", Georgetown County, Hydrologic Unit 03050112, near left bank at Horsesee Plantation, 0.10 mile (0.16 km) upstream from U.S. Highway 17, 1.3 miles (2.1 km) southwest of North Santee, and at mile 13.0 (20.9 km).

PERIOD OF RECORD.--September 1973 to July 1975, February 1977 to current year. Gage height records July 1975 to February 1977 are in reports of the National Ocean Survey.

GAGE.--Water-stage recorder. Datum of gage is 3.47 ft (1.06 m) above National Geodetic Vertical Datum of 1929 (National Ocean Survey benchmark).

REMARKS.--Tidal gage height affected at medium and higher stages by regulation from Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily gage height, 9.93 ft (3.03 m) Mar. 25, 1975; minimum daily, 0.03 ft (0.01 m) Jan. 25, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum daily gage height, 7.41 ft (2.259 m) Oct. 24; minimum daily, 1.05 ft (0.320 m) Dec. 25.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW			
OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY		MARCH	
1	7.04	3.21	5.78	2.08	5.29	2.02	6.15	1.62	5.16	2.22	5.55	1.54	5.55	1.54	5.55
2	6.74	3.22	5.88	1.98	5.76	2.29	5.44	1.55	6.33	1.56	6.14	1.55	6.14	1.55	6.14
3	6.46	2.78	5.85	2.28	5.42	1.76	5.62	1.19	5.21	1.12	5.44	1.12	5.44	1.12	5.44
4	6.38	2.57	6.02	2.20	5.95	1.83	5.32	1.40	5.59	1.15	6.35	1.15	6.35	1.15	6.35
5	6.56	2.51	5.40	1.92	6.06	1.93	---	---	6.01	1.12	6.59	1.12	6.59	1.12	6.59
6	6.68	2.48	6.16	2.03	6.11	1.72	---	---	6.22	1.14	6.54	1.14	6.54	1.14	6.54
7	6.71	2.85	6.03	1.92	6.10	1.73	---	---	6.32	1.46	6.93	1.46	6.93	1.46	6.93
8	6.61	2.72	5.54	1.61	6.18	1.74	---	---	6.14	1.51	6.75	1.51	6.75	1.51	6.75
9	6.43	2.55	5.77	1.45	5.92	1.59	---	---	5.98	1.39	6.60	1.39	6.60	1.39	6.60
10	6.42	2.37	5.34	1.22	5.85	1.44	---	---	6.49	1.48	6.21	1.48	6.21	1.48	6.21
11	6.49	2.51	5.90	1.60	6.27	1.64	---	---	5.76	1.17	6.47	1.17	6.47	1.17	6.47
12	6.41	2.21	6.28	1.92	6.12	1.85	---	---	4.96	1.17	6.00	1.17	6.00	1.17	6.00
13	6.53	2.61	6.33	2.48	5.58	1.53	---	---	5.91	1.74	5.97	1.74	5.97	1.74	5.97
14	6.34	2.62	6.21	2.25	5.88	1.70	---	---	6.26	1.80	5.51	1.80	5.51	1.80	5.51
15	6.39	2.64	6.25	2.33	5.98	1.98	---	---	6.34	1.91	6.00	1.91	6.00	1.91	6.00
16	6.26	2.55	6.65	2.76	6.13	1.85	---	---	6.42	1.41	6.06	1.41	6.06	1.41	6.06
17	6.26	2.56	7.23	3.64	6.33	2.16	---	---	6.07	1.57	5.73	1.57	5.73	1.57	5.73
18	6.27	2.34	6.71	2.32	6.62	2.24	---	---	6.10	1.37	6.00	1.37	6.00	1.37	6.00
19	6.15	2.13	6.64	1.74	6.33	1.65	---	---	6.21	1.60	6.43	1.60	6.43	1.60	6.43
20	6.58	1.92	6.75	2.06	6.69	1.39	---	---	5.96	1.34	6.24	1.34	6.24	1.34	6.24
21	6.68	2.11	7.04	2.32	6.98	2.14	6.42	1.61	6.10	1.50	6.05	1.50	6.05	1.50	6.05
22	6.71	2.10	6.81	1.71	6.85	1.92	6.29	1.40	6.23	2.16	7.23	2.16	7.23	2.16	7.23
23	7.00	2.09	7.01	1.86	6.75	1.94	5.89	1.46	5.81	2.24	6.15	2.24	6.15	2.24	6.15
24	7.41	3.10	6.98	2.11	6.35	1.49	6.08	1.82	5.40	1.74	6.13	1.74	6.13	1.74	6.13
25	6.83	1.78	6.60	1.74	5.77	1.05	5.49	2.07	5.29	2.00	5.75	2.00	5.75	2.00	5.75
26	6.25	1.13	6.78	2.26	6.26	2.01	5.49	2.03	5.48	2.07	4.47	2.07	4.47	2.07	4.47
27	6.40	1.43	7.11	3.34	6.33	2.44	5.35	2.00	5.38	2.54	5.49	2.54	5.49	2.54	5.49
28	6.25	1.77	5.91	1.59	6.59	2.76	5.23	1.93	5.76	2.22	5.03	2.22	5.03	2.22	5.03
29	5.70	1.44	4.61	1.11	6.04	2.45	5.46	1.60	---	---	5.51	---	5.51	---	5.51
30	6.16	2.27	5.38	1.83	6.17	2.64	5.19	2.15	---	---	5.57	---	5.57	---	5.57
31	6.12	2.31	---	---	6.44	2.52	6.06	2.09	---	---	5.21	---	5.21	---	5.21
MEAN	6.49	2.35	6.25	2.06	6.16	1.92	5.73	1.75	5.92	1.66	6.04	1.66	6.04	1.66	6.04



## 161

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

[illegible]

## 02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH SANTEE, S.C.

LOCATION.--Lat 33°11'40", long 79°16'24", Georgetown County, Hydrologic Unit 03050112, near left bank at AIC Waterway in Annandale Plantation, 6.5 miles (10.5 km) southeast of North Santee.

PERIOD OF RECORD.--November 1973 to May 1975, October 1975 to current year. Gage height records May 1975 to October 1975 are in reports of the National Ocean Survey.

GAGE.--Water-stage recorder. Datum of gage is 18.08 ft (5.51 m) above National Geodetic Vertical Datum of 1929 (National Ocean Survey benchmark).

REMARKS.--Tidal gage height affected at times by regulation from Lake Marion (see sta 02171000).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily gage height, 23.92 ft (7.29 m) Sept. 4, 1979; minimum daily, 14.80 ft (4.51 m) Jan. 9, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum daily gage height recorded, 23.65 ft (7.21 m) May 5; minimum daily recorded, 16.58 ft (5.05 m) Nov. 30.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.52	18.55	21.31	17.70	20.98	17.51	21.09	17.23	---	---	---	---
2	22.08	18.46	20.94	17.56	20.90	17.68	21.28	17.57	---	---	---	---
3	21.87	18.04	21.45	17.90	21.42	17.94	20.96	16.82	---	---	---	---
4	21.76	17.98	21.64	17.84	21.07	17.41	21.92	17.55	---	---	---	---
5	21.94	17.88	21.46	17.52	21.59	17.48	21.71	17.30	---	---	22.40	17.63
6	22.06	17.85	21.74	17.62	21.69	17.57	22.54	17.03	---	---	22.51	17.15
7	22.11	18.19	21.63	17.51	21.75	17.33	22.16	17.81	---	---	22.78	17.59
8	22.01	18.03	21.17	17.33	21.87	17.39	21.95	17.73	---	---	22.60	17.75
9	21.82	17.89	20.68	17.23	21.55	17.29	21.77	17.80	---	---	22.39	17.55
10	21.81	17.75	20.96	16.84	21.54	17.14	21.43	17.42	---	---	22.21	17.50
11	21.91	17.89	21.53	17.40	20.35	17.21	21.23	17.09	---	---	21.78	17.47
12	21.82	17.60	21.09	17.55	21.96	17.17	---	---	---	---	21.75	17.67
13	21.96	17.98	21.91	18.14	21.72	17.33	---	---	---	---	21.71	17.31
14	21.69	18.04	21.78	17.90	21.23	17.36	---	---	---	---	---	---
15	21.73	18.05	21.80	17.98	21.48	17.46	---	---	---	---	---	---
16	21.60	17.97	22.25	18.39	21.81	17.80	21.78	17.48	---	---	---	---
17	21.62	17.97	22.47	18.43	21.95	17.43	---	---	---	---	---	---
18	21.64	17.73	22.34	17.32	22.35	17.26	---	---	---	---	---	---
19	21.56	17.34	22.32	18.03	22.03	17.35	---	---	---	---	---	---
20	22.29	17.63	---	---	22.57	16.91	---	---	---	---	---	---
21	22.35	17.68	---	---	22.67	17.13	---	---	---	---	---	---
22	22.36	17.59	22.78	17.70	22.50	17.48	---	---	---	---	---	---
23	22.78	17.54	22.54	17.11	22.10	17.07	---	---	---	---	---	---
24	23.33	18.51	22.84	17.34	21.36	16.60	---	---	---	---	---	---
25	22.63	17.21	22.83	17.61	21.89	17.60	---	---	20.91	18.00	---	---
26	21.94	16.69	22.34	17.34	21.71	18.07	---	---	20.99	---	---	---
27	22.05	17.04	22.47	17.84	22.34	18.41	---	---	---	---	---	---
28	21.92	17.35	22.86	18.91	21.55	18.14	---	---	---	---	---	---
29	21.36	17.11	21.46	17.22	21.81	18.31	---	---	---	---	---	---
30	21.72	17.55	20.20	16.58	22.07	18.19	---	---	---	---	---	---
31	21.70	18.00	---	---	21.75	17.23	---	---	---	---	---	---
MEAN	22.00	17.78	21.83	17.66	21.73	17.49	21.65	17.40	20.95	18.00	22.24	17.51

02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH SANTÉE, S.C.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	22.51	17.52	22.96	17.48	23.41	17.89	23.01	18.35	22.57	18.72
2	---	---	22.91	17.70	22.97	17.36	23.21	17.87	22.93	18.42	22.55	18.74
3	---	---	23.25	17.87	22.89	17.29	23.36	18.23	22.38	18.35	22.44	18.74
4	---	---	23.42	17.80	22.57	17.27	22.69	17.93	21.96	18.21	22.38	18.96
5	---	---	23.65	18.10	22.32	17.20	21.92	18.11	21.84	17.90	22.45	18.94
6	22.56	16.89	23.50	18.46	21.41	17.58	22.44	18.11	21.61	17.83	22.42	19.18
7	22.67	17.51	22.85	18.89	22.11	17.35	22.08	18.05	21.87	18.05	22.40	19.10
8	22.32	17.36	23.54	18.80	22.16	17.84	22.29	18.61	22.05	18.47	22.42	18.93
9	21.46	17.36	23.29	18.50	21.81	17.77	22.16	18.42	21.81	18.05	22.76	19.01
10	22.01	17.50	22.65	18.32	21.45	17.51	22.15	18.36	22.00	18.18	22.88	18.97
11	22.14	17.73	22.23	18.19	21.70	17.52	22.08	18.23	22.09	18.00	22.73	18.40
12	21.67	17.53	21.65	17.90	22.03	18.00	22.49	18.47	22.22	18.04	22.72	18.05
13	21.56	17.49	22.06	18.31	22.03	18.03	22.41	18.33	22.49	17.97	22.82	18.00
14	22.12	18.30	22.50	18.50	22.05	17.78	22.44	18.07	22.90	18.24	22.87	18.04
15	22.39	18.06	22.21	18.35	22.48	17.96	22.84	18.23	22.92	18.21	22.81	18.10
16	22.29	18.28	22.07	18.00	22.60	18.13	22.81	18.43	22.73	17.94	22.73	18.02
17	21.69	17.57	22.33	17.87	22.42	17.97	22.66	18.18	22.86	17.84	22.82	17.92
18	21.29	17.14	22.33	18.04	22.37	18.00	22.69	18.25	23.13	18.66	23.09	18.35
19	22.43	17.10	21.96	17.70	22.30	17.90	22.59	18.17	23.06	18.85	22.93	18.43
20	22.35	18.13	22.73	17.80	22.01	17.82	22.39	18.15	22.37	17.79	22.67	18.22
21	22.93	19.00	22.62	18.19	21.97	17.77	21.83	17.78	23.15	18.79	22.29	17.89
22	22.13	18.29	22.27	18.28	21.31	17.76	21.92	17.64	22.90	18.71	22.29	17.93
23	21.79	17.94	21.18	18.10	21.75	17.55	22.14	17.88	22.62	18.10	22.60	17.97
24	20.58	17.56	22.13	18.28	22.19	18.12	22.47	18.16	22.77	18.24	22.50	18.09
25	21.46	17.91	22.06	18.24	21.94	17.75	22.52	17.90	22.70	17.89	22.51	18.06
26	21.64	18.27	22.31	18.44	22.00	17.39	22.63	17.81	23.04	18.30	22.50	18.02
27	21.51	17.80	22.39	18.49	22.71	17.91	22.42	17.47	23.14	18.31	22.36	18.07
28	21.22	17.70	22.15	17.91	23.01	17.83	22.77	17.41	22.98	18.30	22.21	18.02
29	21.56	17.62	22.46	17.68	23.18	17.94	22.75	17.43	23.04	18.27	22.33	18.16
30	21.95	17.65	22.75	17.76	23.12	17.75	23.24	17.76	22.95	18.57	22.39	18.33
31	---	---	22.75	17.62	---	---	23.34	18.38	22.79	18.58	---	---
MEAN	21.91	17.75	22.54	18.12	22.26	17.72	22.55	18.06	22.59	18.24	22.58	18.38

## SANTEE RIVER BASIN

02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH SANTEE, S.C.--Continued

## WATER QUALITY RECORDS

PERIOD OF RECORD.--January 1979 to current year.

INSTRUMENTATION.--USGS mini-monitor since January 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 99,500 micromhos July 14, 1980.

MINIMUM: Less than 100 micromhos several days Mar. 1979, Apr. 1980, Jan., Feb., Mar., Apr. 1981.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 60,800 micromhos June 3.

MINIMUM: Less than 100 micromhos several days Jan., Feb., Mar., Apr.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	44200	34400	39800	---	---	---	---	---	---	---	---	---
2	41100	31700	37800	---	---	---	---	---	---	---	---	---
3	38900	32500	35700	---	---	---	---	---	---	---	---	---
4	36800	31800	34100	---	---	---	36100	30300	32700	---	---	---
5	38600	29300	33600	---	---	---	39000	7300	33100	---	---	---
6	40500	28900	34400	---	---	---	39700	300	32200	---	---	---
7	40700	31700	35600	---	---	---	39000	300	31800	---	---	---
8	39900	30300	34300	---	---	---	40100	300	32300	---	---	---
9	38800	33100	35700	---	---	---	38500	200	28100	---	---	---
10	38700	29300	34800	---	---	---	38700	200	26400	---	---	---
11	39500	31400	34800	---	---	---	44200	300	32800	---	---	---
12	38200	27700	34000	43000	2400	36100	41800	400	34800	---	---	---
13	40600	32100	35200	42700	32500	37000	42100	200	28300	---	---	---
14	39800	32100	35300	42200	32600	37100	40100	300	31600	---	---	---
15	39700	31800	35200	40500	32000	36600	41300	20600	35800	35100	400	19900
16	38700	29200	34400	37900	36200	36800	---	---	---	41400	300	25400
17	---	---	---	---	---	---	---	---	---	40200	400	25400
18	---	---	---	---	---	---	---	---	---	41600	300	25400
19	---	---	---	---	---	---	41900	300	35600	46300	300	31000
20	---	---	---	53100	42600	47300	48300	300	37400	45800	400	32200
21	---	---	---	55100	42700	47900	50600	36700	42800	44500	400	29400
22	51600	37600	44500	55700	400	42500	52400	400	43000	43000	400	27700
23	55100	19700	46600	52500	400	42200	50700	400	40700	40600	400	24400
24	58000	41100	49600	48800	22700	41100	47400	300	33600	39700	400	30400
25	51400	100	42500	44800	300	36300	43300	300	31200	43300	400	31500
26	49500	100	33400	46500	35000	39300	46400	24200	39000	38200	400	29000
27	51300	100	36200	46500	35000	40200	44600	36500	39700	37000	400	26500
28	---	---	---	41400	400	33600	44300	32400	37700	34500	400	24400
29	---	---	---	37000	33000	34500	39200	34000	35700	35600	400	25400
30	---	---	---	---	---	---	39500	33500	36200	36200	21400	29000
31	---	---	---	---	---	---	42500	34900	38700	35600	18500	30600

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	37300	29000	32900	32000	16900	26000	---	---	---	49000	30300	37700
2	38900	300	27800	31900	17500	26800	---	---	---	50700	34700	42600
3	33600	400	20200	35000	20200	29700	---	---	---	51700	39100	44800
4	36100	400	21400	36700	200	29700	---	---	---	51100	39800	45400
5	41100	400	24900	38500	100	30100	---	---	---	51700	42600	46400
6	42400	400	26700	43000	200	30200	---	---	---	51200	43800	47400
7	38900	400	27700	45000	200	34800	---	---	---	50900	43800	47300
8	39400	300	27400	43200	22000	36500	---	---	---	51800	20500	42800
9	41100	400	27700	42000	200	33000	---	---	---	48600	30100	43100
10	41700	500	34400	42300	200	32100	42800	200	33800	46000	13900	34600
11	42000	300	27200	40900	200	32400	42100	200	33600	29700	1500	16500
12	36700	300	19900	37800	200	31200	42600	100	28700	27100	1700	16200
13	38000	200	26500	40600	100	27700	37600	100	28900	28500	2900	13200
14	40000	300	30400	38300	100	25300	42200	30600	35300	25200	400	8970
15	39900	200	32800	37100	200	29400	45200	30900	37000	16400	400	3260
16	41200	200	29800	37900	100	25600	44700	33300	39300	13800	2100	4740
17	37200	100	24400	38600	200	26200	44600	200	34400	20200	2700	9870
18	35300	200	23700	38500	200	26800	42600	100	25700	45700	9300	33800
19	35700	100	24400	42600	200	33100	45900	100	30300	42100	35300	37000
20	33200	200	23000	42300	17800	36300	42900	32200	37600	---	---	---
21	34400	100	23800	42600	200	33200	47400	36400	40500	---	---	---
22	36200	25900	30400	46800	200	34100	46200	33100	38900	---	---	---
23	35700	26100	30700	44500	29800	34400	42000	26500	35900	---	---	---
24	35800	200	28000	36700	26800	32200	43700	100	31400	---	---	---
25	34900	800	27400	34400	20000	30700	39900	30800	33000	---	---	---
26	33100	18200	26700	34800	17400	27700	38000	28400	33900	---	---	---
27	30800	20200	25200	32400	100	23600	38700	4500	31600	---	---	---
28	31900	23500	26100	29100	19300	24200	37600	100	30300	43900	19500	31700
29	---	---	---	---	---	---	39200	100	30600	49400	17300	38000
30	---	---	---	---	---	---	41600	26800	34200	56800	32900	44100
31	---	---	---	---	---	---	---	---	---	58200	36000	45100
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	60500	36700	45800	---	---	---	47500	31300	38500	31800	20000	25800
2	60500	33900	49800	---	---	---	46100	31700	37800	31900	20600	25900
3	60800	40200	44600	---	---	---	46500	30100	36500	31300	21200	25700
4	59700	40000	47800	---	---	---	39300	27200	32300	31100	21200	25300
5	55400	22900	45800	---	---	---	34100	23900	27200	30900	19000	24300
6	57500	38400	47300	---	---	---	29400	21700	24500	30600	19100	24000
7	54200	16500	43900	---	---	---	30100	20700	24300	29300	18800	23600
8	52400	38900	45500	---	---	---	33400	22400	27300	28700	19800	23400
9	51500	8900	44000	---	---	---	30800	23300	27100	35900	20400	24500
10	46400	16400	41400	---	---	---	33600	23800	27600	37500	20400	27800
11	47000	38000	41700	---	---	---	34600	24500	28400	35600	22700	28700
12	48900	40300	44700	---	---	---	37200	25300	29400	38600	23400	28500
13	49100	36400	43600	---	---	---	44100	26000	31800	42800	23300	29600
14	45100	20100	41400	---	---	---	49800	27900	35100	44600	24300	31800
15	51600	38000	44800	---	---	---	48300	27500	35800	38800	26300	33300
16	53100	39100	44400	---	---	---	45900	29100	35800	39700	28800	35300
17	50900	40400	45300	---	---	---	51000	27700	36300	40400	28100	34700
18	50300	39800	45200	---	---	---	51000	29600	39400	43400	29100	35400
19	49700	38200	43700	---	---	---	49100	20600	35700	42200	33900	34100
20	47600	38700	43600	---	---	---	34800	12500	20500	41200	31000	34600
21	46100	38400	42000	---	---	---	37600	14400	21200	34700	29200	31800
22	47500	38000	41400	---	---	---	28500	15700	22000	31000	26200	28800
23	46900	36800	41100	---	---	---	24300	12800	18000	30600	25000	27200
24	50500	37700	42900	---	---	---	29400	13800	18200	27800	24900	26300
25	47900	37500	41800	---	---	---	26700	12700	17500	29200	25600	26600
26	---	---	---	---	---	---	38300	13700	20800	31000	27800	29200
27	---	---	---	---	---	---	41100	15800	23200	31600	28600	29500
28	---	---	---	---	---	---	34200	17000	23600	32400	29300	30800
29	---	---	---	---	---	---	38800	14200	23300	30900	27400	28800
30	---	---	---	---	---	---	34600	16700	24200	30100	26900	28400
31	---	---	---	52600	29600	39200	33200	18800	25300	---	---	---
YEAR	60800	100	32600									

## SANTEE RIVER BASIN

02171910 SOUTH SANTEE RIVER AT AIC WATERWAY NEAR McCLELLANVILLE, S.C.

LOCATION.--Lat 33°08'45", long 79°19'22", Charleston County, Hydrologic Unit 03050112, near right bank in Santee Gun Club, 1.3 miles (2.1 km) downstream from Pleasant Creek, 9.0 miles (14.5 km) northeast of McClellanville, and at mile 5.1 (8.2 km).

PERIOD OF RECORD.--November 1973 to May 1975, October 1975 to current year. Gage height records May 1975 to October 1975 are in reports of the National Ocean Survey.

GAGE.--Water-stage recorder. Datum of gage is 19.55 ft (5.96 m) above National Geodetic Vertical Datum of 1929 (National Ocean Survey benchmark).

REMARKS.--Tidal gage heights.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily gage height, 26.44 ft (8.06 m) Nov. 6, 1975; minimum daily, 15.13 ft (4.61 m) Jan. 25, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily gage height recorded, 22.97 ft (7.00 m) Oct. 24; minimum daily recorded, 15.67 ft (4.78 m) Mar. 17.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.11	17.76	20.89	16.96	20.49	17.04	21.32	16.65	21.44	17.76	20.73	17.00
2	21.69	17.75	21.04	17.20	20.99	16.75	20.65	16.87	21.68	16.57	21.34	17.04
3	21.48	17.34	21.02	17.15	20.58	16.83	20.89	16.56	20.51	15.88	21.59	17.29
4	21.35	17.34	21.27	17.25	21.18	16.81	20.49	16.16	20.96	15.94	21.72	16.78
5	21.55	17.19	21.12	16.88	21.31	16.89	21.55	16.68	21.36	15.86	22.01	16.85
6	21.68	17.11	21.35	16.96	21.34	16.64	21.69	16.51	21.64	16.29	22.01	16.31
7	21.72	17.49	21.26	16.80	21.38	16.66	21.30	16.34	21.76	16.37	22.27	16.76
8	21.62	17.34	20.75	16.57	21.51	16.70	21.92	16.53	21.51	16.38	22.07	16.91
9	21.44	17.20	21.06	16.43	21.21	16.51	22.17	17.01	21.29	16.34	21.93	16.75
10	21.45	17.06	20.55	16.23	21.17	16.45	21.76	17.05	21.79	16.88	21.77	16.70
11	21.53	17.22	21.15	16.59	21.61	16.62	21.57	15.83	21.70	15.98	21.26	16.73
12	21.45	16.97	21.53	16.42	21.38	16.86	21.42	16.83	20.16	15.97	21.24	16.40
13	21.59	17.34	21.56	17.48	20.83	16.53	21.25	16.58	21.20	16.66	21.25	16.57
14	21.28	17.40	21.39	17.23	21.07	16.67	20.68	16.18	21.59	16.71	20.71	16.58
15	21.31	17.41	21.40	17.31	21.26	16.95	20.78	16.43	21.63	17.16	21.24	16.85
16	21.21	17.32	21.83	17.67	21.41	16.75	21.38	16.23	21.73	16.78	21.35	16.54
17	21.21	17.31	22.58	18.25	21.65	17.07	21.27	16.49	21.37	16.32	21.18	16.67
18	21.22	17.06	21.94	16.56	21.98	17.14	21.24	16.04	21.43	16.28	21.27	16.27
19	21.15	16.61	21.93	17.33	21.70	16.50	21.83	16.27	21.63	16.50	21.75	16.62
20	21.86	16.92	22.13	16.86	22.21	16.23	21.94	16.66	21.24	16.34	21.50	16.85
21	21.98	16.94	22.54	17.11	22.79	16.92	21.72	16.46	21.36	16.47	21.29	16.68
22	22.05	16.85	22.29	16.49	22.35	16.72	21.64	16.34	21.48	17.15	22.71	16.64
23	22.43	16.82	22.54	16.63	22.26	16.79	21.29	16.44	20.95	17.23	21.35	17.16
24	22.97	17.78	22.45	16.90	21.72	16.42	21.33	16.80	20.57	16.75	21.29	17.31
25	22.25	16.53	21.94	16.59	20.95	15.97	21.11	17.05	20.36	17.05	20.97	17.18
26	21.59	15.98	22.10	17.14	21.50	16.92	20.63	17.02	20.12	17.05	19.95	16.93
27	21.68	16.24	22.46	18.22	21.61	17.38	20.43	17.00	20.58	17.52	20.68	16.69
28	21.55	16.61	21.01	16.59	21.91	17.67	20.34	16.47	20.85	17.26	20.33	16.99
29	21.00	16.36	19.77	16.18	21.26	17.47	20.57	16.65	---	---	20.63	16.40
30	21.29	17.20	20.52	16.87	21.41	17.60	20.31	17.15	---	---	20.87	16.48
31	20.71	17.34	---	---	21.53	17.44	21.27	17.08	---	---	20.43	16.47
MEAN	21.59	17.09	21.51	16.98	21.47	16.44	21.22	16.54	21.21	16.62	21.31	16.75



## SANTEE RIVER BASIN

02171910 SOUTH SANTEE RIVER AT AIC WATERWAY NEAR McCLELLANVILLE, S.C.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	20.95	16.61			---	---	22.67	16.76	---	---	---	---
2	21.09	16.28			---	---	22.48	16.72	---	---	---	---
3	21.68	16.28			---	---	22.63	17.16	---	---	---	---
4	22.00	16.50			---	---	21.92	16.82	---	---	---	---
5	21.86	16.39			---	---	21.09	17.03	---	---	---	---
6	21.99	15.98			---	---	21.68	17.02	---	---	---	---
7	22.07	16.55			---	---	21.31	16.96	---	---	---	---
8	21.76	16.48			---	---	21.49	17.52	---	---	---	---
9	20.79	16.50			---	---	21.35	17.34	---	---	---	---
10	21.42	16.61			---	---	21.32	17.30	---	---	---	---
11	21.51	16.84			---	---	21.22	17.16	19.37	16.23	---	---
12	21.05	16.66			---	---	21.67	17.39	20.40	15.94	---	---
13	20.92	16.60			---	---	21.60	17.25	20.72	15.88	---	---
14	21.49	17.38			---	---	21.64	16.97	21.05	16.18	---	---
15	21.77	17.12			---	---	22.01	17.15	21.16	16.06	22.05	17.03
16	21.66	17.33			---	---	22.01	17.33	20.98	15.80	21.97	16.97
17	21.10	16.67			---	---	21.86	17.06	21.08	15.72	22.00	16.83
18	20.65	16.24			---	---	21.92	17.12	21.33	16.77	22.32	17.21
19	21.78	16.27			---	---	21.80	17.07	21.29	15.69	22.14	17.27
20	21.68	17.15			---	---	21.65	17.07	20.74	16.13	21.86	17.08
21	22.28	18.03			---	---	21.02	16.73	22.45	16.60	21.53	16.82
22	21.50	17.36			---	---	21.14	16.56	22.15	17.67	21.48	16.84
23	21.11	17.04			---	---	21.33	16.74	21.89	17.03	21.81	16.86
24	19.88	16.66			---	---	21.68	17.00	22.03	17.21	21.71	16.93
25	20.77	16.96			---	---	21.68	16.75	21.96	16.84	21.73	16.95
26	20.97	17.32			21.08	16.30	21.83	16.69	22.34	17.24	21.72	16.90
27	20.83	16.85			21.95	16.75	21.68	16.38	22.43	17.22	21.44	17.11
28	20.51	16.75			22.25	16.72	20.69	16.71	22.19	17.22	---	---
29	20.89	16.68			22.44	16.83	---	---	---	---	---	---
30	21.07	16.63			22.41	16.62	---	---	---	---	---	---
31	---	---			---	---	---	---	---	---	---	---
MEAN	21.30	16.76			22.03	16.64	21.66	16.99	21.42	16.52	21.83	16.98
YEAR	21.44	16.82										

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

## SANTÉE RIVER BASIN

02171910 SOUTH SANTÉE RIVER AT AIC WATERWAY NEAR McCLELLANVILLE, S.C.--Continued

## WATER QUALITY RECORDS

PERIOD OF RECORD.--January 1979 to current year.

INSTRUMENTATION.--Servo Programmer since January 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum 79,900 micromhos Mar. 26, 1979.

MINIMUM: 200 micromhos, Mar. 7-19, 1979.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum 60,000 micromhos July 1, 3.

MINIMUM: 1,100 micromhos, Aug. 23.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	43700	27800	34800	47600	28900	36600	33600	25800	30600
2	---	---	---	46800	26400	36100	48300	28500	37500	33600	26300	30300
3	---	---	---	46000	28500	36300	46000	25800	35800	33500	24600	28800
4	---	---	---	44600	29400	38400	46900	27800	36600	32100	23200	27000
5	---	---	---	47300	28400	36000	44800	25900	34900	31800	19900	27100
6	---	---	---	46800	29300	37600	43900	23000	33500	31000	24300	28000
7	---	---	---	45900	28600	36400	42900	28200	34400	29400	25200	27800
8	---	---	---	50600	25700	37200	44600	23400	31600	29600	23300	26600
9	---	---	---	52800	24300	38000	46200	26800	37100	30100	25500	28300
10	---	---	---	52400	23900	37200	50600	38200	46600	30400	28300	29300
11	---	---	---	51500	26500	37000	49800	26700	39800	29200	27300	28400
12	---	---	---	48500	28400	38600	45000	30100	38000	29100	28200	28600
13	---	---	---	48500	32000	39300	42900	29200	36900	28700	27400	28300
14	---	---	---	47100	31800	38400	45000	29900	36500	28400	25400	27600
15	---	---	---	50500	30500	38800	41200	31200	37500	46900	24200	30600
16	---	---	---	49800	32200	39700	41300	31100	36300	47000	21000	38300
17	---	---	---	57600	34500	45900	41100	32500	36900	44100	23000	37700
18	---	---	---	50500	25800	39000	41300	33300	37100	46900	24100	36200
19	---	---	---	49700	24700	38000	41900	26500	36100	53700	27800	41000
20	---	---	---	50400	26800	39600	54100	25700	40600	53100	31500	42200
21	---	---	---	54200	25900	39000	54800	25300	40500	49900	29400	39500
22	---	---	---	53800	26700	39400	55700	26900	43000	49800	27400	38200
23	---	---	---	55700	27600	41700	52400	31100	41400	51500	25500	38300
24	---	---	---	54000	29400	41400	46800	28700	37600	50200	28800	38700
25	---	---	---	49300	27000	38400	42000	24000	33000	47400	29300	37400
26	---	---	---	54200	29200	40300	42500	29900	37600	47900	29200	36600
27	---	---	---	57300	33000	44300	41500	33300	37100	46000	28900	35600
28	---	---	---	44800	24500	33800	41000	30700	35700	47900	24100	35100
29	---	---	---	43500	21400	31300	35600	21000	28800	50300	28300	35700
30	---	---	---	46800	26200	35700	33600	23900	29400	49000	26200	34500
31	42700	29500	35900	---	---	---	34900	26500	31000	45100	29700	36600

## 169

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	44200	29600	37000	43800	24900	33100	43900	19500	31500	55800	33800	47600
2	46600	32100	38100	48900	26000	35500	40300	18100	28900	52700	39500	46700
3	42400	32400	37300	46100	23500	35400	45500	17800	31800	45000	38900	41500
4	43600	36900	40600	44700	23600	35800	49800	20700	34500	40000	35700	37800
5	48500	37000	42700	48700	25100	35500	49300	22900	35600	39300	35400	37100
6	48900	40000	44000	52200	19400	36800	54200	17500	33200	38300	36300	37200
7	47700	40500	44200	52800	24000	38300	52800	23000	36800	38400	35900	37400
8	45300	39600	42400	48300	25000	37700	49600	25500	36100	38300	36100	37200
9	41700	37900	40200	46500	30900	38300	46200	24800	34600	38200	34800	36700
10	41800	37600	40000	46200	30800	39300	46200	22500	34000	35300	31800	34100
11	42400	32200	38300	44300	30400	36900	45500	25900	34300	32800	28900	31300
12	33200	29700	31600	39600	30900	35300	45900	24700	34400	31500	27700	30300
13	34400	29300	31900	45200	23800	32300	52500	22100	37400	31700	26600	29600
14	33600	29700	31700	47600	19800	32200	49400	29000	39100	29800	24100	27000
15	31600	29100	30300	48600	26500	35400	50600	27500	38300	29100	24200	27400
16	29900	28400	28900	47400	18700	31700	47300	30700	39200	31100	22300	27000
17	28400	27300	27600	51100	15200	35000	41300	28200	34700	28800	20900	25300
18	27400	26800	27100	54700	25500	40200	48600	25400	34300	29000	22200	25600
19	26800	25100	25900	52200	23500	40500	52900	24800	38300	30000	21400	26000
20	25400	24100	24800	48200	26800	38400	48000	31000	40000	29400	21500	26100
21	24500	23800	24100	46500	26400	36900	54800	33700	42200	27400	21800	23500
22	25400	24200	24700	53600	24000	37800	52800	30800	40500	41200	20300	25100
23	25700	25100	25400	53100	19300	33300	45200	28100	36200	46500	21200	29800
24	25600	24200	25200	36400	21900	28700	49900	24100	35500	48400	23300	33300
25	39900	25100	27800	33800	18200	26300	50600	27400	37500	53900	26600	37500
26	43000	21800	30500	36000	16700	24600	48400	28700	37200	58500	27900	40900
27	44000	24700	31300	36600	16100	24200	47500	26200	35600	59900	26600	42600
28	42800	25700	32500	39200	17000	24300	50600	28600	38800	52200	23200	36500
29	---	---	---	39000	18100	26700	54600	31700	42700	53900	21600	37300
30	---	---	---	37900	17900	28000	55200	32800	45500	56400	24100	39800
31	---	---	---	43400	20400	30700	---	---	---	53500	26700	40100
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	47700	27000	37100	60000	34900	46200	---	---	---	35900	13600	24400
2	42300	27700	34500	58600	34200	47600	---	---	---	33700	14700	24900
3	33500	28600	30600	60000	34000	46900	---	---	---	33900	15000	24400
4	31200	29400	30200	58400	27400	41200	---	---	---	33900	16500	24600
5	32700	29900	31300	53000	27900	38500	---	---	---	33900	15100	24600
6	35200	30700	33000	51300	27200	37400	---	---	---	34000	17800	24600
7	35700	26900	34000	52600	25300	37200	---	---	---	32800	17000	23900
8	35100	29500	32400	50500	29400	39000	---	---	---	34900	16600	23500
9	34500	31300	33600	49800	26100	38200	---	---	---	43400	15100	25400
10	34600	32500	33300	52600	27100	38700	---	---	---	42800	16800	27800
11	33400	31600	32800	54100	27800	39800	55000	34000	42600	41000	16800	27300
12	34000	31600	32500	51300	27600	39500	52000	24100	36600	44500	16000	27900
13	37900	31100	31100	50400	28800	40100	51300	21300	35500	49000	18700	30100
14	39300	28400	34300	53500	29400	40700	55500	20400	36400	51900	21700	34400
15	50400	28600	37100	58000	28500	40900	53200	23700	37400	52600	24200	37400
16	52800	32100	41400	53200	32200	42600	53200	22900	36800	51700	26900	39900
17	50500	33400	41500	51800	28000	39200	58000	22000	37100	52400	24100	40000
18	50800	31000	41600	50900	29200	37900	57000	27600	43000	56100	27700	41400
19	49800	32500	41100	50400	28800	39100	55100	11400	37000	51300	28700	40300
20	51800	34200	41200	51400	30900	39900	31000	1300	9190	48200	27900	34900
21	53400	32500	40500	56900	31700	40700	46600	1500	24000	50700	26800	38400
22	56200	32600	41800	58600	31800	43300	30200	1400	14000	49000	24500	37200
23	57700	30000	47100	57600	30600	43700	27500	1100	9500	52500	26300	38500
24	53300	28900	40700	49900	27700	38400	35400	1300	13300	47800	27800	38000
25	47600	28700	37400	46400	19600	33400	31200	1800	12300	48500	27500	38100
26	50000	26700	38200	42500	12900	28300	44400	3400	17900	47800	28400	38200
27	57200	27300	40300	42400	8300	25400	42200	5600	20700	48500	28600	38200
28	57800	28700	42400	55000	9600	27800	38100	7500	21100	48100	31200	39100
29	58700	31000	44700	56100	13100	31400	46900	8200	21400	49400	29200	40100
30	57500	30000	44700	39700	18600	27600	42700	9700	24000	48900	32900	40800
31	---	---	---	---	---	---	37200	12000	24200	---	---	---
YEAR	60000	1100	34800									

## 02172000 LAKE MOULTRIE NEAR PINOPOLIS, S.C.

LOCATION.--Lat 33°14'40", long 79°59'30", Berkeley County, Hydrologic Unit 03050201, at powerplant 0.7 mi (1.1 km) upstream from Seaboard Coast Line Railroad bridge and 2.8 mi (4.5 km) northeast of Pinopolis.

PERIOD OF RECORD.--January 1942 to current year. Prior to October 1942, published as Pinopolis Reservoir near Pinopolis.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1924 (levels by South Carolina Public Service Authority). Prior to May 16, 1942 and Feb. 25 to Dec. 14, 1970, nonrecording gage and May 17, 1942 to Sept. 30, 1963, water-stage recorder at same site at datum 0.25 ft (.076 m) lower.

REMARKS.--Lake is formed by earth dikes and dam, with concrete navigation locks; dikes and dam completed in 1941. Storage began in November 1941. Water is diverted through canal (see sta 02170500) from Lake Marion (see sta 02171000) and discharged through tailrace canal into West Branch Cooper River. Usable capacity, 33,170,000,000 ft<sup>3</sup> (939,400,000 m<sup>3</sup>) between elevation 60.0 ft (18.29 m) (normal limit of drawdown) and 76.8 ft (23.41 m) (maximum normal elevation). Dead storage, about 16,600,000,000 ft<sup>3</sup> (555,100,000 m<sup>3</sup>). Figures given herein represent usable contents. Water is used for generation of power and for navigation. Records of contents at end of month published for water years prior to 1964 were computed from elevations 0.25 ft (.076 m) too high. Records of change in contents published for the same period are slightly in error.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 76.21 ft (23.229 m) Oct. 14, 1959 (affected by high wind); minimum, 58.52 ft (17.837 m) Dec. 21, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 74.99 ft (22.857 m) June 14; minimum, 70.31 ft (21.430 m) Feb. 1 (from S.C. Public Service Authority log).

Capacity table (elevation, in feet and meters) and  
usable contents (in billions of cubic feet and millions of cubic meters)  
(Prepared from volume curve drawn by Harza Engineering Co.)

68.0 ft (20.73 m)	12.37 ft <sup>3</sup> (350.3 m <sup>3</sup> )
70.0 ft (21.34 m)	16.47 ft <sup>3</sup> (466.4 m <sup>3</sup> )
72.0 ft (21.95 m)	20.91 ft <sup>3</sup> (592.2 m <sup>3</sup> )

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73.39	74.32	73.74	71.91	70.31	74.06	74.13	74.62	74.36	74.52	74.71	74.66
2	73.30	74.34	73.78	71.76	70.45	74.26	74.19	74.54	74.41	74.60	74.82	74.57
3	73.45	74.31	73.79	71.53	70.60	74.21	74.23	74.49	74.47	74.71	74.72	74.43
4	73.81	74.29	73.65	71.60	70.58	74.25	74.35	74.47	74.57	74.75	74.69	74.35
5	74.28	74.27	73.41	71.60	70.54	74.44	74.47	74.39	74.48	74.71	74.60	74.51
6	74.50	74.16	73.41	70.90	70.59	74.37	74.59	74.45	74.59	74.68	74.71	74.49
7	74.57	74.15	73.30	70.99	70.76	74.45	74.52	74.59	74.81	74.59	74.71	74.44
8	74.72	73.95	73.29	70.93	70.87	74.44	74.55	74.52	74.91	74.58	74.63	74.55
9	74.86	73.85	73.28	70.92	70.79	74.42	74.65	74.57	74.83	74.55	74.80	74.48
10	74.95	73.95	73.25	70.98	70.63	74.37	74.64	74.54	74.82	74.48	74.79	74.42
11	74.80	74.03	73.12	71.01	71.11	74.36	74.74	74.63	74.81	74.54	74.88	74.32
12	74.80	73.95	72.93	71.04	70.87	74.28	74.79	74.54	74.92	74.51	74.74	74.33
13	74.72	73.87	72.92	70.81	70.87	74.28	74.51	74.49	74.97	74.43	74.75	74.44
14	74.66	73.82	72.93	71.09	71.12	74.24	74.53	74.38	74.88	74.36	74.68	74.30
15	74.68	73.82	72.72	71.19	71.44	74.17	74.62	74.43	74.79	74.43	74.59	74.24
16	74.62	73.85	72.68	71.33	71.79	74.34	74.63	74.38	74.72	74.52	74.55	74.38
17	74.72	73.85	72.63	71.36	72.34	74.04	74.68	74.35	74.67	74.53	74.68	74.51
18	74.67	73.62	72.44	71.28	72.65	74.08	74.68	74.24	74.75	74.57	74.76	74.61
19	74.75	73.52	72.45	71.32	72.83	74.18	74.67	74.21	74.77	74.49	74.65	74.59
20	74.72	73.27	72.36	71.30	73.00	73.96	74.72	74.33	74.71	74.37	74.62	74.52
21	74.72	73.35	72.09	71.25	73.26	73.96	74.61	74.31	74.75	74.23	74.74	74.48
22	74.51	73.36	71.75	71.26	73.26	74.08	74.63	74.30	74.66	74.30	74.77	74.46
23	74.55	73.14	71.99	71.22	73.41	74.08	74.57	74.29	74.57	74.29	74.80	74.45
24	74.45	73.37	72.16	71.22	73.51	74.09	74.77	74.24	74.59	74.29	74.80	74.45
25	74.46	73.46	72.28	71.06	73.56	74.09	74.74	74.19	74.44	74.35	74.79	74.40
26	74.48	73.48	72.05	71.04	73.42	73.93	74.71	74.12	74.59	74.36	74.74	74.37
27	74.37	73.50	71.90	70.99	73.46	73.98	74.60	74.24	74.58	74.23	74.75	74.35
28	74.34	73.61	72.05	70.95	73.94	73.90	74.48	74.39	74.58	74.29	74.73	74.33
29	74.45	73.72	72.05	70.85	---	73.87	74.57	74.28	74.60	74.42	74.77	74.28
30	74.30	73.72	71.95	70.69	---	73.86	74.58	74.29	74.62	74.47	74.73	74.28
31	74.32	---	71.95	70.35	---	73.97	---	74.31	---	74.65	74.72	---
MAX	74.95	74.34	73.79	71.91	73.94	74.45	74.79	74.43	74.97	74.75	74.88	74.66
MIN	73.30	73.14	71.75	70.35	70.31	73.46	74.13	74.12	74.36	74.23	74.55	74.24
(+)	26.57	25.05	20.80	17.23	25.60	25.67	27.23	26.54	27.34	27.41	27.59	26.46
(*)	911	-586	-1587	-1333	3460	26	602	-254	309	26	67	-436

CAL YR 1980 \* 40 MAX 74.97 MIN 70.20  
WTR YR 1981 \* 74 MAX 74.97 MIN 70.31

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.  
(\*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

## COOPER RIVER BASIN

171

02172017 WEST BRANCH COOPER RIVER AT LEWISFIELD PLANTATION NEAR MONCK'S CORNER, S.C.

LOCATION.--Lat 33°10'14", long 79°58'46", Berkeley County, Hydrologic Unit 03050201, at Lewisfield Plantation on right bank, 1.8 mi (2.9 km) southwest of Moncks Corner, 1.8 mi (2.9 km) downstream from Stony Landing, 4.5 mi (7.2 km) upstream from Molly Branch, and at mile 42.5 (68.4 km).

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE (TOP AND BOTTOM): November 1975 to current year.

INSTRUMENTATION.--Servo Programmer since November 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE (TOP): Maximum, >31.0°C several days Aug. 1980, June, July, Aug., 1981; minimum, 2.5°C Jan. 21, 1981.

WATER TEMPERATURE (BOTTOM): Maximum, >31.0°C several days Aug. 1980, June, July, Aug., 1981; minimum, 3.0°C Jan. 22, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE (TOP): Maximum, >31.0°C several days June, July, Aug.; minimum, 2.5°C Jan. 21.

WATER TEMPERATURE (BOTTOM): Maximum, >31.0°C several days June, July, Aug.; minimum, 3.5°C Jan. 18.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	26.5	24.5	25.5	18.0	16.0	17.0	13.0	11.0	12.0	8.0	4.0	6.5
2	25.5	24.5	25.0	17.5	15.5	17.0	13.0	11.5	12.0	7.5	6.5	7.0
3	25.0	24.0	24.5	17.5	16.0	17.0	12.0	11.5	12.0	7.0	6.5	7.0
4	25.0	23.0	24.0	17.5	16.5	17.0	12.0	11.0	11.5	7.0	5.5	6.5
5	25.0	21.0	24.0	17.5	16.5	17.0	12.0	10.5	11.5	6.5	6.0	6.5
6	24.0	22.5	23.5	17.5	16.0	17.0	12.0	10.5	11.5	6.5	5.0	6.0
7	23.5	21.0	22.5	17.0	16.0	17.0	12.0	11.0	11.5	6.5	5.0	6.0
8	23.0	21.0	22.5	17.0	16.5	17.0	12.0	11.0	11.5	6.5	4.5	5.5
9	23.5	21.5	22.0	17.5	16.5	17.0	12.5	11.5	12.0	6.0	5.5	6.0
10	22.5	22.0	22.0	17.5	17.0	17.0	13.0	12.0	12.5	6.5	5.0	5.5
11	22.5	22.0	22.0	17.0	16.0	16.5	13.0	12.0	12.0	6.0	4.5	5.5
12	22.5	21.5	22.0	16.0	15.0	15.5	12.0	11.5	12.0	5.5	4.5	5.0
13	21.5	20.0	21.0	16.0	14.5	15.5	12.5	11.5	12.0	5.0	4.0	4.5
14	22.0	19.5	21.0	16.0	14.5	15.0	12.0	11.0	11.5	5.0	3.5	4.0
15	21.5	20.0	21.0	16.0	15.0	15.5	12.0	10.5	11.5	6.5	3.5	5.0
16	21.5	20.0	21.0	16.0	15.0	15.5	11.5	11.0	11.0	6.0	4.5	5.0
17	21.5	20.5	21.0	15.5	14.5	15.0	11.5	10.5	11.5	5.0	3.0	4.5
18	21.5	20.5	21.0	15.5	14.0	15.0	11.5	10.5	11.0	5.5	2.5	4.0
19	22.0	21.0	21.5	14.5	13.5	14.0	11.5	10.0	11.0	5.5	3.5	4.5
20	22.0	21.0	21.5	14.5	13.0	13.5	11.0	10.0	11.0	5.5	4.0	4.5
21	21.5	20.5	21.0	14.0	12.5	13.5	10.5	10.0	10.0	5.5	2.5	4.5
22	21.5	20.5	21.0	13.5	13.0	13.5	9.5	9.0	9.5	5.5	3.0	5.0
23	21.0	20.5	20.5	13.5	12.5	13.0	9.0	8.0	8.5	5.5	4.5	5.0
24	20.0	18.5	19.5	14.0	12.5	13.5	9.0	7.5	8.0	6.0	5.0	5.5
25	19.5	17.0	19.0	14.0	12.5	13.5	8.5	6.5	8.0	6.0	5.0	5.5
26	18.5	17.0	17.5	13.5	12.5	13.0	8.0	7.0	7.5	6.5	5.0	5.5
27	19.5	16.5	18.5	13.5	12.0	13.0	7.5	6.0	7.0	8.0	5.5	6.5
28	19.0	17.5	18.0	13.5	12.0	13.0	6.5	5.0	6.0	8.0	5.5	6.5
29	18.5	17.5	18.0	12.5	10.5	12.0	7.5	5.5	6.5	8.0	6.0	7.0
30	18.0	17.5	17.5	12.5	10.5	12.0	7.5	6.0	6.5	8.0	6.0	7.0
31	17.5	16.5	17.0	---	---	---	7.5	4.0	6.0	6.5	5.5	6.0



TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.0	5.5	6.0	13.5	11.5	12.5	16.0	14.0	15.0	24.0	22.0	23.0
2	8.0	6.5	7.5	15.0	11.0	13.0	19.0	14.5	16.0	24.0	21.5	23.0
3	7.5	5.0	6.5	15.5	11.5	13.5	17.5	14.0	16.0	24.5	22.0	23.5
4	7.0	5.0	6.0	13.5	12.5	13.0	18.0	14.0	16.0	24.5	22.0	23.5
5	7.0	5.0	6.0	14.5	12.5	13.5	18.5	16.0	16.5	24.5	22.5	23.5
6	6.5	5.5	6.0	15.5	12.0	13.5	18.5	15.5	17.0	23.5	22.0	23.0
7	6.5	5.5	6.0	14.5	12.0	13.5	18.5	16.0	17.0	23.0	21.0	22.5
8	7.0	6.0	6.5	14.0	11.5	13.0	18.0	16.0	17.0	22.5	21.0	22.0
9	6.5	5.5	6.5	14.5	11.0	13.0	19.5	16.5	17.5	22.0	21.0	21.5
10	8.0	6.0	7.0	14.5	11.5	13.0	19.5	17.0	18.0	22.0	21.0	21.5
11	8.5	6.5	7.5	14.5	11.5	13.5	20.5	17.0	18.0	23.0	21.5	22.0
12	7.5	6.5	6.5	14.5	13.0	14.0	21.0	18.0	19.0	23.5	21.5	22.5
13	7.5	6.0	6.5	15.0	12.0	14.0	20.5	18.0	19.0	24.0	21.5	22.5
14	9.0	6.0	7.0	15.0	13.5	14.0	20.5	18.0	19.0	24.0	21.5	22.0
15	10.0	7.5	8.5	15.0	11.5	14.0	21.0	18.5	19.5	22.5	21.0	21.5
16	10.5	7.5	8.5	15.0	11.5	14.0	21.0	19.0	20.0	22.0	22.0	22.0
17	11.0	8.0	9.0	15.0	10.5	13.0	22.0	18.5	19.5	25.0	22.0	23.0
18	10.0	8.0	9.0	14.5	12.5	13.5	22.5	19.0	20.0	24.0	22.0	23.0
19	10.0	8.5	9.0	14.0	11.0	13.0	23.5	20.0	21.0	24.0	22.0	22.5
20	11.0	8.5	9.5	13.5	11.5	13.0	21.5	20.0	21.0	24.0	22.5	23.5
21	12.5	9.5	10.5	13.5	11.0	12.5	21.5	20.5	21.0	23.5	22.0	23.0
22	12.0	10.5	11.0	13.0	12.0	12.5	21.5	19.5	20.5	24.5	22.5	23.5
23	11.0	10.0	11.0	13.0	11.0	12.0	21.5	20.0	20.5	25.5	23.0	24.0
24	11.0	10.5	11.0	13.5	10.5	12.0	22.5	20.0	21.0	25.5	23.0	24.0
25	12.5	10.5	11.0	14.5	10.5	12.5	22.5	20.5	21.5	24.5	23.0	24.0
26	14.0	11.0	12.0	14.0	11.0	12.5	22.0	20.0	21.5	24.5	23.0	23.5
27	12.5	11.0	11.5	15.5	11.5	13.5	22.5	20.5	21.5	24.5	23.0	24.0
28	13.5	11.5	12.5	15.0	11.5	13.5	22.0	20.5	21.5	26.0	23.5	24.5
29	---	---	---	15.0	10.5	13.5	23.5	21.5	22.0	27.5	24.5	25.5
30	---	---	---	15.5	13.0	14.0	24.0	22.0	22.5	28.0	24.5	25.0
31	---	---	---	14.5	14.0	15.5	---	---	---	25.5	24.5	25.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE												
1	27.5	25.0	25.5	30.0	28.5	29.5	29.5	28.0	29.0	27.0	25.5	26.0
2	25.5	24.5	25.0	29.0	28.5	29.0	29.0	28.0	28.5	27.5	25.5	26.0
3	27.0	24.5	25.5	29.5	28.5	29.0	29.0	27.5	28.0	26.5	25.5	26.0
4	26.0	25.0	25.5	29.5	28.0	29.0	28.5	27.5	28.0	26.0	25.5	26.5
5	26.5	25.5	26.0	29.5	29.0	29.0	28.5	27.5	28.0	27.0	26.0	26.0
6	28.0	26.0	26.5	29.0	28.5	29.0	29.5	28.0	29.0	27.0	25.5	26.0
7	28.0	26.5	27.0	29.5	28.5	29.0	29.0	28.5	29.0	26.5	25.5	26.0
8	27.5	26.5	27.0	30.0	29.0	29.5	29.0	28.0	28.5	27.5	26.0	26.5
9	28.0	26.5	27.5	30.5	29.0	29.5	31.0	28.0	---	27.0	26.5	26.5
10	28.5	27.5	29.0	30.0	29.0	29.5	31.0	28.5	---	27.0	25.5	26.5
11	29.5	28.5	29.0	30.0	29.5	29.5	29.0	28.0	28.5	26.5	25.5	26.0
12	30.0	28.0	29.0	30.5	29.5	30.0	29.0	28.0	28.5	27.0	25.5	26.0
13	29.5	28.0	28.5	30.5	29.5	29.5	29.0	27.5	28.5	28.0	26.0	26.5
14	29.5	28.0	28.5	30.5	29.5	29.5	31.0	28.0	---	27.0	26.5	26.5
15	30.0	28.5	29.0	31.0	29.5	---	29.0	27.5	28.5	27.0	26.0	26.5
16	30.0	28.5	29.5	31.0	29.5	---	29.0	28.0	28.5	27.0	26.5	26.5
17	30.0	29.0	29.5	31.0	29.0	---	29.0	28.0	28.5	27.5	26.5	27.0
18	31.0	29.0	---	31.0	29.5	---	28.5	27.5	28.0	27.0	26.0	26.5
19	30.0	29.0	29.0	31.0	29.5	---	28.0	27.0	27.5	27.0	25.5	26.0
20	30.0	28.5	29.0	30.0	29.0	29.5	27.0	25.5	26.0	26.0	25.0	25.5
21	31.0	29.0	---	29.5	29.0	29.5	26.5	25.0	25.5	26.0	22.5	25.5
22	30.0	29.0	30.0	31.0	29.0	---	26.0	25.0	25.5	26.0	23.5	25.5
23	30.5	29.5	30.0	31.0	29.5	---	26.0	24.5	25.5	26.0	25.0	25.5
24	31.0	29.5	30.0	31.0	29.0	---	26.5	25.0	26.0	25.5	24.0	25.0
25	30.5	29.5	30.0	31.0	29.5	---	27.5	25.5	26.0	25.5	23.0	25.0
26	31.0	30.0	29.0	31.0	29.5	---	27.0	25.5	26.0	25.5	23.5	24.5
27	31.0	30.0	30.5	31.0	29.5	---	27.0	25.0	25.5	25.0	23.5	24.5
28	30.0	29.5	30.0	31.0	29.5	---	26.5	25.5	26.0	26.0	24.0	25.0
29	30.5	28.5	30.0	31.0	31.0	---	27.0	25.5	26.0	25.0	24.0	24.5
30	30.5	29.0	30.0	31.0	29.0	---	27.0	25.5	26.0	25.5	24.0	25.0
31	---	---	---	29.5	28.0	29.0	27.0	25.5	26.0	---	---	---
YEAR	31.0	2.5	14.5									



02172017 WEST BRANCH COOPER RIVER AT LEWISFIELD PLANTATION NEAR MONCK'S CORNER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	26.5	25.0	26.0	17.5	16.0	17.0	12.5	11.0	12.0	8.0	4.5	7.0
2	25.5	24.5	25.5	17.5	16.0	17.0	13.0	11.0	12.0	7.5	7.0	7.0
3	25.0	24.5	25.0	17.5	16.0	17.0	12.5	11.0	12.0	7.0	6.5	7.0
4	25.0	23.5	24.5	17.5	16.5	17.0	11.5	11.0	11.5	7.0	6.5	7.0
5	25.0	21.0	24.0	17.5	17.0	17.0	11.5	10.5	11.5	6.5	6.0	6.5
6	24.5	22.5	23.5	17.0	16.5	17.0	11.5	10.0	11.0	6.5	5.5	6.0
7	23.5	22.0	23.0	17.0	16.0	16.5	12.0	10.5	11.5	7.0	5.5	6.5
8	23.0	22.0	22.5	17.0	16.5	17.0	12.0	11.0	11.5	6.5	6.0	6.0
9	23.5	21.5	22.5	17.0	16.0	17.0	12.0	11.5	12.0	6.5	5.5	6.0
10	22.5	22.0	22.5	17.5	16.5	17.0	13.0	11.5	12.0	6.5	5.0	5.5
11	22.5	22.0	22.5	17.0	16.0	16.5	12.5	11.5	12.0	6.0	5.0	5.5
12	22.5	22.0	22.0	16.0	15.0	15.5	12.0	11.5	12.0	5.5	4.5	5.0
13	22.0	20.0	21.5	16.0	15.0	15.5	12.0	11.5	11.5	5.0	4.5	4.5
14	22.0	19.5	21.0	16.0	14.5	15.0	12.0	11.0	11.5	5.0	4.0	4.5
15	22.0	20.0	21.0	16.0	15.0	15.5	11.5	11.0	11.5	6.0	4.5	5.0
16	22.0	20.0	21.0	16.0	15.5	15.5	11.5	11.0	11.5	6.5	4.5	5.0
17	21.5	20.5	21.0	15.5	15.0	15.5	11.5	11.0	11.5	5.0	4.5	4.5
18	21.5	21.0	21.0	15.5	14.5	15.0	11.5	10.5	11.5	5.5	3.5	4.5
19	22.0	21.0	21.5	14.5	14.0	14.0	11.5	10.5	11.0	6.0	4.0	5.0
20	22.0	21.0	21.5	14.5	13.5	14.0	11.5	10.5	11.0	5.5	4.5	5.0
21	21.5	20.5	21.0	14.0	13.0	13.5	10.5	10.0	10.0	5.5	4.5	5.0
22	21.5	20.5	21.0	13.5	12.5	13.0	10.0	9.0	9.5	5.5	5.0	5.5
23	21.0	20.5	20.5	13.5	12.5	13.0	9.0	8.0	8.5	6.0	5.0	5.5
24	20.5	19.5	20.0	14.0	13.0	13.5	9.5	8.0	8.5	6.0	5.0	5.5
25	19.5	18.0	19.0	14.0	13.5	13.5	9.0	7.0	8.0	6.0	5.0	5.5
26	18.5	17.0	18.0	14.0	12.5	13.5	8.0	7.0	7.5	6.5	5.0	5.5
27	18.5	17.0	18.5	13.5	13.0	13.0	7.5	6.0	7.0	8.0	5.5	6.5
28	19.0	17.0	18.0	13.5	12.5	13.0	6.5	6.0	6.0	8.5	6.0	7.0
29	18.5	17.5	18.0	12.5	11.5	12.0	7.5	6.5	7.0	8.5	6.0	7.5
30	18.0	17.5	18.0	12.5	11.0	12.0	7.5	7.0	7.0	8.0	6.0	7.0
31	17.5	16.5	17.5	---	---	---	7.5	7.0	7.0	6.5	5.5	6.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	7.0	5.5	6.5	13.5	11.5	12.5	16.0	14.0	15.0	24.5	22.5	23.0
2	8.5	7.0	7.5	15.0	12.5	13.0	19.0	15.0	16.0	24.0	22.0	23.0
3	7.5	6.0	6.5	15.5	12.5	13.5	18.5	15.5	16.5	24.5	22.0	23.5
4	7.5	5.0	6.5	14.0	12.5	13.0	18.0	15.0	16.0	24.5	22.0	23.5
5	7.0	5.5	6.5	14.5	12.5	13.5	18.5	16.0	16.5	24.5	22.5	23.5
6	6.5	6.0	6.0	15.5	13.5	14.0	19.0	16.0	17.0	24.0	22.5	23.0
7	7.0	6.0	6.5	14.5	13.0	13.5	18.5	16.5	17.5	23.5	21.5	23.0
8	7.5	6.5	7.0	14.0	13.0	13.5	18.0	16.0	17.0	23.0	21.5	22.0
9	7.0	6.0	6.5	14.5	13.0	13.5	19.5	16.5	17.5	22.5	21.5	22.0
10	8.0	6.5	7.0	14.5	11.5	13.5	19.5	17.0	18.0	22.5	21.5	22.0
11	9.0	7.5	8.0	14.5	13.5	14.0	20.0	17.5	18.5	23.5	21.5	22.5
12	8.0	6.5	7.0	15.0	13.5	14.0	20.5	18.0	19.0	23.5	21.5	22.5
13	7.5	6.0	7.0	15.0	13.5	14.0	20.5	18.0	19.0	24.0	22.0	22.5
14	9.0	6.5	7.0	15.5	14.0	14.0	20.5	18.0	19.0	24.0	22.0	22.5
15	10.0	7.5	8.5	15.0	13.5	14.0	21.0	18.5	19.5	23.0	21.5	22.0
16	10.5	8.0	9.0	15.0	13.5	14.5	21.0	19.0	20.0	22.5	22.0	22.5
17	11.0	8.5	9.0	15.0	12.0	13.5	21.5	18.5	19.5	25.0	22.5	23.5
18	10.0	8.5	9.0	14.5	13.0	14.0	22.5	19.0	20.0	24.5	22.5	23.5
19	10.5	8.5	9.5	14.0	13.5	13.5	23.0	20.0	21.0	24.5	22.5	23.0
20	11.5	8.5	10.0	14.0	12.0	13.0	21.5	20.0	21.0	24.5	23.0	23.5
21	12.5	10.0	11.0	14.0	12.0	13.0	21.5	20.5	21.0	24.0	22.5	23.5
22	12.0	10.5	11.0	13.0	12.5	12.5	21.5	19.5	20.5	25.0	22.5	23.5
23	11.0	10.5	11.0	13.0	12.0	12.5	21.5	20.0	21.0	26.0	23.0	24.0
24	11.5	11.0	11.0	14.0	11.5	12.5	22.5	20.0	21.0	25.0	23.5	24.0
25	12.5	10.5	11.0	14.5	12.0	13.0	22.5	20.5	21.5	25.0	23.5	24.0
26	14.0	11.0	12.5	14.0	12.0	13.0	22.0	20.5	21.5	25.0	23.5	24.0
27	13.0	11.0	11.5	15.5	12.0	14.0	22.5	20.5	21.5	24.5	23.5	24.0
28	13.5	11.5	12.5	15.5	13.0	13.5	22.0	20.5	21.5	25.5	24.0	24.5
29	---	---	---	15.0	13.0	13.5	23.5	21.5	22.0	27.0	24.5	25.5
30	---	---	---	15.5	13.0	14.0	24.5	22.0	22.5	27.0	25.0	25.5
31	---	---	---	18.5	14.0	15.5	---	---	---	25.5	25.0	25.0



02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCK'S CORNER, S.C.

LOCATION.--Lat 33°05'54", long 79°57'17", Berkeley County, Hydrologic Unit 03050201, at Pimlico on right bank, 1.1 mi (1.8 km) upstream from Seaboard Coast Line Railroad bridge, 2.1 mi (3.4 km) downstream from Molly Branch, 7.8 mi (12.5 km) southwest of Moncks Corner, and at mile 35.4 (57.0 km).

PERIOD OF RECORD.--Water year 1976 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE (TOP AND BOTTOM): August 1975 to current year.

INSTRUMENTATION.--Servo Programmer since August 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE (TOP): Maximum, >31.0°C several days July, Aug., 1979, Sept. 1980; July, Aug., 1981; minimum, 2.5°C Jan. 12-13, 1981.

WATER TEMPERATURE (BOTTOM): Maximum, >31.0°C several days July, Aug., 1979, Sept. 1980, July, Aug., 1981; minimum, 2.5°C Jan. 12-13, 1981.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE (TOP): Maximum, >31.0°C several days July, Aug.; minimum, 2.5°C Jan. 12-13.

WATER TEMPERATURE (BOTTOM): Maximum, >31.0°C several days July, Aug.; minimum, 2.5°C Jan. 12-13.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	(TOP)											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.0	24.0	25.0	18.0	15.0	17.0	---	---	---	8.5	7.0	8.0
2	25.5	24.0	24.5	18.0	16.5	17.5	---	---	---	8.0	7.0	7.5
3	25.0	24.0	24.5	17.5	16.5	17.5	12.5	11.5	12.0	7.5	6.5	7.0
4	24.0	23.0	24.0	18.5	17.5	18.0	11.5	10.5	11.0	8.0	6.0	7.0
5	24.5	23.0	24.0	18.5	17.0	17.5	11.5	10.5	11.0	6.0	4.0	5.0
6	24.0	21.5	23.0	17.5	16.0	17.0	11.5	10.5	11.0	6.5	4.5	5.5
7	23.0	21.0	22.0	17.0	15.5	16.5	12.0	11.0	11.5	7.5	5.5	6.5
8	23.0	21.5	22.0	17.5	16.0	17.0	12.5	11.5	12.0	7.0	6.0	6.5
9	23.5	21.0	22.5	18.0	17.0	17.5	13.5	12.0	12.5	6.0	5.0	6.0
10	24.0	22.0	23.0	18.5	16.5	17.5	14.5	12.5	13.5	6.0	4.5	5.5
11	24.0	22.0	23.0	17.0	14.0	16.0	14.0	12.0	13.0	6.0	3.5	5.0
12	23.0	21.5	22.0	16.0	13.0	14.0	12.0	11.0	11.5	6.0	2.5	3.5
13	21.5	19.5	20.5	16.0	13.5	14.5	12.5	10.5	11.5	4.0	2.5	3.5
14	21.5	19.0	20.5	16.0	15.0	15.5	12.5	11.0	11.5	5.5	3.0	4.5
15	22.0	19.0	20.5	16.5	15.5	16.0	12.0	11.0	11.5	7.0	5.0	5.5
16	22.5	20.0	21.0	16.0	14.5	15.5	11.5	11.0	11.5	7.5	5.5	6.0
17	23.5	20.5	21.5	15.0	14.0	14.5	11.5	10.5	11.0	7.0	4.0	5.0
18	23.5	21.0	21.5	---	---	---	11.5	10.0	10.5	5.0	3.5	4.5
19	23.5	21.5	22.0	14.5	12.5	13.5	11.5	10.5	11.0	5.5	4.0	5.0
20	22.5	21.5	22.0	14.0	12.0	13.0	11.0	9.0	10.5	5.5	4.5	5.0
21	22.0	20.5	21.0	14.0	11.5	12.5	9.0	7.0	8.0	6.0	5.0	5.5
22	21.0	20.0	20.5	13.5	12.0	12.5	7.5	6.0	7.0	6.0	5.0	5.5
23	20.5	19.5	20.0	---	---	---	9.5	7.0	8.0	7.0	5.0	6.0
24	---	---	---	---	---	---	9.5	7.5	8.5	7.5	5.0	6.5
25	---	---	---	---	---	---	9.5	7.0	8.5	7.5	5.5	6.5
26	---	---	---	---	---	---	8.5	4.0	5.5	8.0	5.5	6.5
27	19.5	18.0	18.5	---	---	---	7.5	3.5	4.5	9.0	6.0	7.0
28	19.0	17.5	18.5	---	---	---	7.0	4.5	6.0	10.0	6.5	8.0
29	19.0	18.0	18.5	---	---	---	8.0	6.5	7.0	10.0	7.0	8.0
30	18.5	16.5	18.0	---	---	---	8.0	7.0	7.5	9.0	7.0	8.0
31	17.5	15.5	16.5	---	---	---	8.5	7.0	8.0	7.5	6.0	6.0



## COOPER RIVER BASIN

177

02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCK'S CORNER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	26.0	24.0	25.0	18.0	15.5	17.0	---	---	---	8.5	7.0	8.0
2	25.5	23.5	24.5	18.0	16.5	17.5	---	---	---	8.5	7.0	7.5
3	25.0	24.0	24.5	18.0	16.5	17.5	12.5	11.5	12.0	7.5	6.5	7.0
4	24.5	23.0	24.0	18.5	17.5	18.0	11.5	10.0	11.0	8.0	6.0	7.0
5	24.5	23.0	24.0	18.5	17.0	17.5	11.5	10.5	11.0	6.0	4.0	5.0
6	24.0	21.5	22.5	17.5	16.0	16.5	11.5	10.5	11.0	6.0	4.5	5.5
7	22.5	20.5	22.0	17.0	15.5	16.5	12.0	10.5	11.5	7.5	5.5	6.5
8	23.0	21.0	22.0	17.5	16.5	17.0	12.5	11.5	12.0	7.0	6.0	6.5
9	23.5	21.0	22.5	18.0	16.5	17.5	13.5	12.0	12.5	6.0	5.5	5.5
10	24.0	22.0	22.5	18.5	16.5	17.5	14.0	12.5	13.5	6.0	4.5	5.5
11	24.0	22.0	23.0	16.5	14.5	16.0	14.0	12.0	13.0	6.0	3.5	5.0
12	23.0	21.5	22.0	16.0	13.0	14.5	12.0	11.0	11.5	6.0	2.5	3.5
13	21.5	19.5	20.5	16.0	14.0	15.0	12.0	10.5	11.5	4.0	2.5	3.5
14	21.0	18.5	20.0	16.0	15.5	15.5	12.0	11.0	11.5	5.5	3.5	4.5
15	22.0	19.0	20.5	16.5	15.5	16.0	12.0	11.0	11.5	7.0	5.0	5.5
16	22.5	20.0	21.0	16.0	14.5	15.5	11.5	11.0	11.5	7.0	5.5	6.0
17	23.0	21.0	21.5	15.0	14.0	14.5	11.5	10.5	11.0	7.0	4.0	5.0
18	23.0	21.0	21.5	---	---	---	11.5	10.0	10.5	5.0	3.5	4.5
19	23.0	21.0	21.5	14.5	12.5	13.5	11.5	10.5	11.0	5.5	4.0	5.0
20	22.5	21.0	22.0	14.0	12.0	12.5	11.0	9.0	10.5	5.5	5.0	5.0
21	22.0	20.5	21.0	14.0	11.5	12.5	9.0	6.5	7.5	6.0	5.0	5.5
22	21.0	20.5	20.5	13.5	11.5	12.5	7.5	6.0	7.0	6.0	5.0	5.5
23	20.5	19.5	20.0	---	---	---	9.5	7.0	8.0	6.5	5.0	6.0
24	19.0	19.0	19.0	---	---	---	9.5	7.5	8.5	7.5	5.5	6.5
25	---	---	---	---	---	---	9.5	7.0	8.0	7.5	5.5	6.5
26	---	---	---	---	---	---	8.5	4.0	5.5	7.5	5.5	6.5
27	19.0	18.0	18.5	---	---	---	7.5	3.5	4.5	9.0	6.0	7.5
28	18.5	17.0	18.0	---	---	---	7.0	4.5	5.5	10.0	6.5	8.0
29	19.0	18.0	18.5	---	---	---	8.0	6.5	7.0	9.5	7.0	8.0
30	18.5	16.5	18.0	---	---	---	8.0	7.0	7.5	9.0	7.5	8.0
31	18.0	15.5	16.5	---	---	---	8.5	7.0	8.0	7.5	6.0	6.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	7.5	5.5	6.5	13.0	12.0	12.5	16.5	15.0	15.5	---	---	---
2	10.5	7.5	8.5	13.5	12.0	12.5	17.0	14.5	15.5	---	---	---
3	9.0	6.0	7.0	14.0	12.5	13.0	18.0	15.5	16.5	22.5	20.5	21.5
4	7.0	5.5	6.0	13.5	12.5	13.0	19.0	16.0	17.5	23.5	20.0	22.0
5	7.0	5.0	6.0	15.5	13.0	13.5	19.5	16.5	18.0	24.5	21.0	22.5
6	6.5	5.0	6.0	15.0	12.5	13.5	19.0	17.0	17.5	25.0	22.0	23.0
7	7.0	5.5	6.5	14.0	12.5	13.5	18.0	16.0	17.0	23.5	21.0	22.5
8	8.0	6.5	7.0	13.0	12.0	13.0	19.0	16.5	17.5	21.5	18.5	20.0
9	8.0	6.5	7.0	14.0	12.0	13.0	18.5	17.0	17.5	21.0	19.0	20.0
10	10.0	7.0	7.5	14.0	12.5	13.0	19.5	17.0	18.0	22.0	19.5	21.0
11	11.5	8.0	10.0	14.0	13.0	13.5	19.5	18.0	18.5	23.5	21.0	22.0
12	10.0	6.0	7.5	14.0	12.5	13.5	20.0	18.5	19.0	23.0	21.0	22.0
13	7.0	5.5	6.5	15.0	13.0	14.0	21.5	19.0	19.5	23.5	21.5	22.5
14	8.0	6.5	7.0	14.5	13.0	14.0	20.5	18.0	19.0	24.0	22.0	23.0
15	9.5	7.5	8.0	14.5	13.0	14.0	20.5	18.5	19.0	25.0	21.5	22.5
16	11.0	8.0	9.0	14.5	11.5	14.0	19.5	18.0	19.0	23.0	21.0	22.0
17	11.0	8.5	9.5	12.5	11.5	12.0	20.5	19.0	19.5	23.5	22.0	22.5
18	10.5	8.5	9.5	13.0	12.0	12.5	21.0	19.0	20.0	24.0	22.5	23.0
19	11.0	8.5	9.5	13.0	12.5	12.5	21.5	20.0	21.0	---	---	---
20	12.5	8.5	10.0	12.5	11.5	11.5	24.5	21.0	22.0	---	---	---
21	12.0	9.0	10.5	13.0	11.0	12.0	22.5	19.5	20.5	---	---	---
22	12.5	10.0	11.0	12.5	12.0	12.0	20.5	18.5	19.5	---	---	---
23	13.0	10.5	12.0	12.0	10.5	11.0	23.0	19.5	21.0	---	---	---
24	12.5	10.5	11.5	12.5	9.5	11.0	22.5	20.0	21.0	---	---	---
25	12.5	10.5	11.5	14.0	11.5	12.5	20.5	19.0	20.0	---	---	---
26	13.0	10.5	11.5	15.0	12.5	13.5	---	---	---	---	---	---
27	13.0	11.0	11.5	14.0	13.0	13.5	---	---	---	---	---	---
28	13.0	11.0	12.0	16.0	13.5	14.0	---	---	---	---	---	---
29	---	---	---	16.0	13.5	14.5	---	---	---	---	---	---
30	---	---	---	15.5	14.0	14.5	---	---	---	---	---	---
31	---	---	---	16.5	14.0	15.0	---	---	---	---	---	---

## COOPER RIVER BASIN

02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCK'S CORNER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

( BOTTOM )

[illegible]



## COOPER RIVER BASIN

179

## 02172025 COOPER RIVER AT INLET TO BACK RIVER

LOCATION.--Lat 33°05'05", long 79°56'47", Berkeley County, Hydrologic Unit 03050201, on right bank at mouth of Durham Canal, 1.3 mi (2.1 km) downstream of Seaboard Coast Line Railroad bridge and at mile 33.2 (53.1 km).

PERIOD OF RECORD.--October 1980 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to current year.

INSTRUMENTATION.--USGS mini-monitor since October 1980.

REMARKS.--

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 315 micromhos Mar. 19, 1981; minimum, 55 micromhos Jan. 26, 1981.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 315 micromhos Mar. 19; minimum, 55 micromhos Jan. 26.

## SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	139	109	125	166	136	155	123	103	116
2	---	---	---	138	108	127	165	125	144	132	112	119
3	---	---	---	137	107	128	154	124	137	131	111	122
4	---	---	---	136	106	121	153	133	144	129	109	117
5	---	---	---	135	105	119	152	122	140	118	98	112
6	---	---	---	144	104	124	181	141	155	127	97	110
7	---	---	---	143	113	128	170	130	149	116	76	95
8	---	---	---	141	111	130	149	99	120	105	85	94
9	---	---	---	140	110	133	158	98	128	104	94	99
10	---	---	---	139	109	127	167	117	137	113	93	104
11	---	---	---	138	118	131	156	136	145	122	102	108
12	---	---	---	147	117	132	164	124	143	121	111	114
13	---	---	---	146	116	134	163	113	137	130	110	115
14	---	---	---	145	115	131	152	102	125	119	109	113
15	---	---	---	124	114	116	121	91	105	127	97	113
16	---	---	---	133	113	120	130	90	108	116	86	95
17	---	---	---	132	112	126	129	99	114	115	95	101
18	---	---	---	131	121	128	128	98	113	114	94	105
19	---	---	---	150	130	140	127	107	118	113	93	108
20	---	---	---	148	108	133	146	116	129	122	102	110
21	---	---	---	137	107	119	145	105	123	121	71	89
22	120	100	107	136	116	125	134	114	121	100	80	88
23	119	99	106	145	125	134	132	112	119	99	69	84
24	128	98	110	154	124	138	131	111	118	88	58	77
25	127	107	116	163	133	147	150	90	112	107	57	74
26	136	106	119	172	152	158	119	99	113	85	55	72
27	135	105	125	171	151	161	118	108	114	94	64	71
28	133	83	125	180	150	162	117	97	110	93	73	78
29	132	112	126	169	149	161	116	106	111	102	82	90
30	131	121	129	178	138	160	125	105	112	111	91	97
31	140	120	127	---	---	---	124	104	114	200	100	136

02172025 COOPER RIVER AT INLET TO BACK RIVER--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	188	148	164	207	157	182	265	255	257	196	176	187
2	166	146	153	224	184	204	262	242	255	196	176	186
3	174	144	156	251	211	231	259	249	255	236	176	188
4	171	151	159	258	228	243	256	246	250	215	185	204
5	169	149	157	265	245	255	253	243	251	245	205	226
6	167	147	157	262	242	252	260	240	249	275	225	252
7	165	145	156	249	229	239	257	237	244	284	244	274
8	163	143	153	236	226	231	244	234	238	274	214	240
9	161	141	152	223	203	213	241	221	232	244	224	231
10	159	139	149	210	190	200	238	218	227	233	193	214
11	156	136	145	197	177	187	234	214	221	223	193	205
12	154	134	146	174	164	169	231	211	216	213	193	201
13	152	142	144	161	141	151	218	198	207	213	183	200
14	150	140	146	180	130	147	205	185	193	212	182	197
15	158	138	144	237	177	202	192	142	163	212	192	197
16	146	126	140	274	224	245	149	129	134	212	182	197
17	144	134	140	291	261	273	136	106	124	211	191	199
18	151	131	142	308	278	291	133	103	119	211	191	201
19	149	139	143	315	295	303	140	110	122	211	201	205
20	147	137	144	312	292	307	150	130	136	220	200	208
21	155	135	145	299	279	291	149	129	142	220	200	210
22	153	133	145	296	286	293	159	129	142	220	200	211
23	151	121	134	303	283	291	159	129	147	219	199	208
24	149	129	135	289	269	282	168	138	150	219	199	208
25	146	126	136	286	276	280	168	138	153	219	209	213
26	144	114	129	293	263	279	168	138	153	228	208	216
27	142	122	133	290	270	275	168	148	160	228	208	216
28	170	130	144	277	267	273	177	157	166	218	208	212
29	---	---	---	284	264	268	177	167	173	218	208	212
30	---	---	---	271	251	264	187	167	178	217	197	209
31	---	---	---	268	248	257	---	---	---	217	197	205
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	207	187	200	---	---	---	---	---	---	157	137	145
2	206	186	197	---	---	---	---	---	---	146	136	140
3	196	176	188	---	---	---	---	---	---	145	125	135
4	186	156	174	---	---	---	---	---	---	134	124	132
5	175	155	163	---	---	---	---	---	---	144	124	132
6	175	155	160	---	---	---	---	---	---	133	123	131
7	175	155	165	---	---	---	---	---	---	132	122	128
8	174	154	164	---	---	---	---	---	---	131	121	129
9	174	144	161	---	---	---	---	---	---	131	121	130
10	164	154	158	---	---	---	---	---	---	140	100	128
11	173	143	154	---	---	---	---	---	---	138	118	130
12	163	143	155	---	---	---	---	---	---	146	116	132
13	163	143	157	---	---	---	---	---	---	154	124	135
14	163	153	158	143	130	141	150	130	143	152	132	142
15	162	142	156	153	133	141	139	119	133	150	140	147
16	172	122	151	143	133	140	139	119	131	159	139	149
17	162	122	143	---	---	---	138	118	128	157	147	151
18	161	131	146	---	---	---	137	117	129	155	145	146
19	171	161	166	---	---	---	136	126	131	153	133	166
20	171	161	166	---	---	---	136	116	128	151	131	166
21	---	---	---	---	---	---	135	115	126	149	129	140
22	---	---	---	---	---	---	134	124	125	147	127	135
23	---	---	---	---	---	---	133	123	124	145	125	135
24	---	---	---	160	130	148	133	123	130	143	133	136
25	---	---	---	180	150	162	142	132	134	141	131	137
26	---	---	---	---	---	---	141	131	135	140	130	137
27	---	---	---	---	---	---	140	130	137	138	128	135
28	---	---	---	178	148	162	150	130	138	136	126	133
29	---	---	---	168	148	162	149	129	138	144	124	134
30	---	---	---	167	147	161	148	138	144	142	62	127
31	---	---	---	177	157	168	157	137	147	---	---	---
YEAR	315	55	158									

## COOPER RIVER BASIN

181

02172030 COOPER RIVER AT RICE MILL

LOCATION.--Lat 33°04'30", long 79°59'31", Berkeley County, Hydrologic Unit 03050201, on left bank 2.4 mi (3.8 km) downstream from Seaboard Coast Line Railroad bridge and at mile 32.1 (51.4 km).

PERIOD OF RECORD.--Water years 1981 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to current year.

INSTRUMENTATION.--USGS mini-monitor since 1980.

REMARKS.--

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 140 micromhos Sept. 10, 1981; minimum, 60 micromhos Dec. 3-5, 1980.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 140 micromhos Sept. 10; minimum, 60 micromhos Dec. 3-5.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	90	70	80	---	---	---	130	120	121
2	---	---	---	90	70	82	---	---	---	130	120	123
3	---	---	---	90	70	80	90	60	71	130	120	121
4	---	---	---	90	70	81	90	60	70	130	120	122
5	---	---	---	90	70	82	90	60	64	130	120	123
6	---	---	---	90	70	78	---	---	---	130	120	123
7	---	---	---	---	---	---	---	---	---	130	120	121
8	---	---	---	---	---	---	---	---	---	130	120	121
9	---	---	---	---	---	---	---	---	---	130	120	123
10	---	---	---	---	---	---	---	---	---	130	120	121
11	---	---	---	---	---	---	---	---	---	130	120	122
12	---	---	---	---	---	---	---	---	---	130	120	122
13	---	---	---	---	---	---	---	---	---	130	120	123
14	---	---	---	---	---	---	---	---	---	130	120	122
15	---	---	---	---	---	---	---	---	---	130	120	122
16	---	---	---	---	---	---	---	---	---	130	120	125
17	---	---	---	---	---	---	---	---	---	130	120	127
18	---	---	---	---	---	---	---	---	---	130	120	124
19	---	---	---	90	70	75	---	---	---	130	120	124
20	---	---	---	90	70	74	---	---	---	130	120	124
21	---	---	---	70	70	70	---	---	---	130	120	125
22	110	100	106	---	---	---	130	120	122	130	120	125
23	100	80	92	---	---	---	130	120	121	130	120	126
24	100	80	89	---	---	---	130	120	122	130	120	124
25	100	80	89	---	---	---	130	120	121	130	120	125
26	100	80	88	---	---	---	130	120	122	130	120	127
27	100	70	88	---	---	---	130	120	123	130	120	126
28	100	80	90	---	---	---	130	120	122	130	120	126
29	90	80	87	---	---	---	130	120	120	130	120	126
30	90	70	85	---	---	---	130	120	121	130	120	123
31	90	70	80	---	---	---	130	120	124	130	120	126

## COOPER RIVER BASIN

02172030 COOPER RIVER AT RICE MILL--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	130	120	126	110	100	101	110	100	108	120	110	112
2	130	120	126	110	100	102	110	100	107	120	110	113
3	130	120	127	110	100	103	110	100	107	120	110	114
4	130	120	126	110	100	104	110	100	108	120	110	113
5	130	120	127	110	100	103	110	100	107	120	110	115
6	130	120	128	110	100	104	120	100	109	120	110	118
7	130	120	128	110	100	104	110	100	109	120	110	118
8	130	120	128	110	100	104	120	100	110	120	110	118
9	130	120	128	110	100	103	110	100	109	120	110	119
10	130	120	126	110	100	104	110	100	109	120	110	118
11	130	120	127	110	100	105	120	100	110	120	110	116
12	130	120	127	110	100	104	120	100	110	120	110	116
13	130	120	129	110	100	106	120	100	110	120	110	117
14	130	100	117	110	100	105	120	100	110	120	110	116
15	110	100	105	110	100	104	110	100	110	120	110	117
16	110	100	105	110	100	106	120	100	110	120	110	115
17	110	100	105	110	100	106	120	100	110	120	110	116
18	110	100	105	110	100	107	120	110	111	120	110	115
19	110	100	105	110	100	107	120	110	111	120	110	115
20	110	100	105	110	100	108	120	110	113	120	110	115
21	110	100	105	110	100	107	120	110	113	120	110	114
22	110	100	105	110	100	109	120	110	112	120	110	112
23	110	100	105	110	100	109	120	110	112	120	110	113
24	110	100	105	110	100	108	120	110	111	120	100	113
25	110	100	105	110	100	107	120	110	112	120	100	113
26	110	100	105	110	100	106	120	110	113	120	110	114
27	110	100	105	110	100	106	120	110	113	120	110	113
28	110	100	105	110	100	107	120	110	114	120	110	113
29	---	---	---	110	100	107	120	110	112	120	110	112
30	---	---	---	110	100	107	120	110	112	120	110	113
31	---	---	---	110	100	107	---	---	---	120	110	113
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	120	110	113	120	110	116	120	100	110	130	120	124
2	120	110	113	120	110	117	120	100	110	130	120	125
3	120	110	114	130	110	117	120	100	110	130	120	126
4	120	110	112	120	110	116	120	100	110	130	120	126
5	120	110	112	120	110	116	120	100	110	130	120	128
6	120	110	113	120	110	114	120	100	110	130	120	127
7	120	100	112	120	110	114	120	100	110	130	120	128
8	120	110	112	120	110	114	120	100	110	130	120	128
9	120	110	112	120	110	116	120	100	110	130	120	128
10	120	110	113	120	110	114	120	100	110	140	100	118
11	120	110	112	120	110	113	120	100	110	120	100	110
12	120	100	111	120	110	115	120	100	110	120	100	112
13	120	110	113	120	110	115	120	100	110	120	100	111
14	120	110	112	120	110	115	120	100	110	120	100	113
15	120	110	111	120	110	114	120	100	110	120	100	113
16	120	110	112	120	110	114	120	100	110	120	110	114
17	120	110	112	120	110	115	120	100	110	120	110	113
18	120	100	111	120	110	116	120	100	110	120	110	114
19	120	100	110	120	110	116	120	100	110	120	110	115
20	120	110	111	120	110	118	120	100	110	120	110	116
21	120	110	112	120	110	117	120	100	115	120	110	116
22	120	110	113	120	110	117	120	100	115	120	110	115
23	120	110	112	120	110	117	120	100	110	130	110	117
24	120	110	111	120	110	117	120	100	110	120	110	117
25	120	110	112	120	110	118	120	100	110	130	110	118
26	120	110	112	120	110	119	120	100	105	130	110	118
27	120	110	114	130	110	118	130	110	121	120	110	119
28	120	110	113	130	110	119	130	120	121	130	110	119
29	120	110	114	120	110	115	130	110	121	130	110	120
30	120	110	114	120	100	110	130	110	122	130	110	120
31	---	---	---	110	100	105	130	110	123	---	---	---

## 02172040 BACK RIVER AT DUPONT INTAKE

LOCATION.--Lat 33°21'54", long 79°57'27", Berkeley County, Hydrologic Unit 03050201, on left bank of Durham Canal .5 m (.8 km) upstream of secondary road 9.

PERIOD OF RECORD.--October 1980 to current year.

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to current year.

pH: February 1981 to current year.

WATER TEMPERATURE: February 1981 to current year.

DISSOLVED OXYGEN: February 1981 to current year.

INSTRUMENTATION.--USGS mini-monitor October 1980 to February 1981. USGS water quality monitor since February 1981.

## REMARKS.--

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 182 micromhos Mar. 17, 1981; minimum, 80 micromhos Aug. 21, 1981.

pH: Maximum, 9.1 units Feb. 14, 1981; minimum, 6.1 units Aug. 20-21, 1981.

WATER TEMPERATURE: Maximum, 31.0°C several days July 1981; minimum, 8.0°C Feb. 14-15, 1981.

DISSOLVED OXYGEN: Maximum, 11.8 (mg/L) Feb. 14, 1981; minimum, 2.4 (mg/L) July 6-7, 1981, Sept. 6, 1981.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 182 micromhos Mar. 17; minimum, 80 micromhos Aug. 21.

pH: Maximum, 9.1 units Feb. 14; minimum, 6.1 units Aug. 20-21.

WATER TEMPERATURE: Maximum, 31.0°C several days in July; minimum, 8.0°C Feb. 14-15.

DISSOLVED OXYGEN: Maximum, 11.8 (mg/L) Feb. 14; minimum, 2.4 (mg/L) July 6-7, Sept. 6.

## SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	140	100	120	---	---	---	150	100	125
2	---	---	---	150	90	120	---	---	---	160	110	135
3	---	---	---	130	100	115	150	100	125	160	100	130
4	---	---	---	140	100	120	120	100	110	150	90	120
5	---	---	---	140	100	120	120	100	110	---	---	---
6	---	---	---	140	90	115	130	100	115	---	---	---
7	---	---	---	130	90	110	140	100	120	---	---	---
8	---	---	---	140	100	120	140	100	120	---	---	---
9	---	---	---	140	100	120	140	100	120	---	---	---
10	---	---	---	160	100	130	160	110	135	---	---	---
11	---	---	---	150	100	125	160	110	135	---	---	---
12	---	---	---	140	100	120	130	100	115	---	---	---
13	---	---	---	120	90	105	150	100	125	---	---	---
14	---	---	---	140	100	120	160	110	135	120	100	110
15	---	---	---	140	100	120	120	100	110	130	110	120
16	---	---	---	130	100	115	120	100	110	120	100	110
17	---	---	---	110	100	105	120	100	110	120	100	110
18	---	---	---	120	100	110	120	100	110	120	100	110
19	---	---	---	130	100	115	130	100	115	120	100	110
20	---	---	---	110	90	100	140	100	120	120	100	110
21	---	---	---	110	100	105	110	100	105	120	110	115
22	120	110	115	110	100	105	110	100	105	120	100	110
23	120	110	115	120	100	110	120	100	110	120	100	110
24	120	100	110	140	110	125	150	110	130	120	100	110
25	120	100	110	150	100	125	160	110	135	120	100	110
26	140	100	120	150	100	125	120	100	110	120	100	110
27	140	100	120	110	100	105	110	100	105	130	110	120
28	140	100	120	150	110	130	130	100	115	130	110	120
29	160	100	130	180	120	150	150	110	130	130	110	120
30	140	100	120	170	90	130	160	110	135	140	110	125
31	140	90	115	---	---	---	130	100	115	120	90	105

02172040 BACK RIVER AT DUPONT INTAKE--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	110	90	100	---	---	---	172	107	127	119	118	118
2	120	90	105	---	---	---	176	108	136	127	118	120
3	150	90	120	---	---	---	175	111	132	134	119	123
4	110	90	100	---	---	---	155	112	127	142	122	129
5	110	90	100	112	92	99	158	113	129	161	124	137
6	110	100	105	128	92	104	173	113	138	171	126	146
7	110	100	105	115	92	99	148	113	127	161	131	142
8	120	100	110	116	91	99	159	111	126	154	127	138
9	120	100	110	120	91	101	167	110	130	147	124	134
10	120	100	110	125	91	101	166	110	130	137	124	129
11	120	100	110	130	91	101	166	109	126	133	123	127
12	150	100	125	136	93	111	167	110	130	128	121	124
13	110	100	105	154	93	116	174	108	128	126	122	124
14	120	100	110	159	106	128	133	105	111	126	122	124
15	125	87	99	162	103	117	145	107	124	126	121	123
16	127	89	101	153	104	130	143	127	131	128	121	124
17	133	90	107	182	105	128	153	127	136	135	122	126
18	136	91	105	148	104	117	161	128	142	131	123	126
19	128	91	103	139	104	114	155	116	130	133	122	126
20	131	91	107	123	103	109	124	114	118	136	123	128
21	---	---	---	132	103	113	121	114	116	137	122	127
22	---	---	---	140	104	114	129	114	119	135	122	126
23	---	---	---	140	103	116	140	116	126	140	123	128
24	---	---	---	157	105	128	154	117	134	138	124	128
25	---	---	---	169	107	158	141	118	125	135	124	128
26	---	---	---	172	109	133	138	118	122	134	124	127
27	---	---	---	180	105	137	141	118	123	133	124	127
28	---	---	---	172	107	124	128	116	118	141	125	131
29	---	---	---	164	105	121	119	116	117	143	126	133
30	---	---	---	176	107	127	120	117	118	140	126	131
31	---	---	---	180	108	134	---	---	---	137	126	130
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	138	127	130	113	101	108	---	---	---	142	121	130
2	141	88	100	147	99	114	---	---	---	147	117	127
3	99	88	91	139	99	110	---	---	---	141	116	122
4	103	88	93	108	90	99	---	---	---	133	115	119
5	101	85	92	104	95	99	---	---	---	143	116	125
6	102	87	93	109	95	100	---	---	---	151	119	130
7	106	87	95	114	95	101	---	---	---	145	117	125
8	109	88	96	100	96	97	---	---	---	147	118	128
9	95	88	90	100	97	98	---	---	---	139	119	123
10	90	87	88	101	98	99	---	---	---	126	117	120
11	91	87	88	102	100	100	---	---	---	124	116	119
12	90	86	87	103	101	102	---	---	---	131	117	122
13	89	88	88	104	102	103	111	101	107	135	118	124
14	89	88	89	106	104	104	112	105	109	133	118	123
15	90	87	88	107	105	105	112	111	111	132	118	123
16	88	87	88	108	107	107	114	111	112	140	119	127
17	88	88	88	110	109	109	117	112	114	145	120	131
18	89	87	88	112	110	111	115	111	113	148	122	130
19	90	87	88	115	111	113	114	106	112	149	123	131
20	90	88	89	114	112	113	113	84	101	151	124	133
21	90	89	90	114	113	113	106	80	98	154	124	135
22	90	89	89	---	---	---	107	88	98	157	124	136
23	90	88	89	---	---	---	113	95	104	156	125	135
24	99	88	89	---	---	---	119	107	111	151	125	133
25	91	87	89	---	---	---	127	109	116	151	126	135
26	91	88	89	---	---	---	133	111	119	149	128	136
27	92	90	91	---	---	---	131	112	118	149	130	138
28	102	90	94	---	---	---	136	115	122	151	130	140
29	125	91	102	---	---	---	142	118	127	153	130	140
30	133	94	110	---	---	---	138	120	127	149	131	139
31	---	---	---	---	---	---	140	121	129	---	---	---
YEAR	182	80	116									



## pH UNITS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MEAN		MAX	MEAN		MAX	MEAN		MAX	MEAN	
		MIN	FEBRUARY		MIN	MARCH		MIN	APRIL		MIN	MAY
1	---	---	---	---	---	---	7.5	7.4	---	7.6	7.3	
2	---	---	---	---	---	---	7.5	7.2	---	7.8	7.3	
3	---	---	---	---	---	---	7.5	7.2	---	7.6	7.2	
4	---	---	---	---	---	---	7.5	7.2	---	7.6	7.1	
5	---	---	---	8.0	7.9	---	7.6	7.3	---	7.6	7.1	
6	---	---	---	8.0	7.7	---	7.6	7.3	---	7.5	7.1	
7	---	---	---	8.0	7.7	---	7.6	7.4	---	7.4	7.0	
8	---	---	---	8.1	7.7	---	7.6	7.4	---	7.5	7.1	
9	---	---	---	8.1	7.7	---	7.5	7.4	---	7.4	7.0	
10	---	---	---	8.1	7.7	---	7.6	7.3	---	7.4	7.0	
11	---	---	---	8.1	7.8	---	7.5	7.3	---	7.6	7.0	
12	---	---	---	8.2	7.8	---	7.5	7.3	---	7.8	7.1	
13	---	---	---	8.0	7.4	---	7.6	7.3	---	7.8	7.3	
14	9.1	8.7	---	7.6	7.4	---	7.5	7.3	---	7.9	7.4	
15	8.6	8.3	---	7.8	7.4	---	7.4	6.9	---	7.7	7.3	
16	8.5	8.1	---	7.8	7.5	---	7.2	6.9	---	7.8	7.0	
17	8.4	8.0	---	7.8	7.5	---	7.3	6.9	---	7.7	7.0	
18	8.2	7.8	---	7.7	7.6	---	7.3	6.8	---	7.7	7.1	
19	8.0	7.7	---	7.7	7.5	---	7.4	6.9	---	7.6	7.1	
20	8.1	7.6	---	7.8	7.5	---	7.4	7.2	---	7.6	7.0	
21	---	---	---	7.8	7.5	---	7.4	7.1	---	7.6	7.0	
22	---	---	---	7.7	7.5	---	7.3	7.1	---	7.8	7.1	
23	---	---	---	7.6	7.5	---	7.3	7.0	---	7.9	7.0	
24	---	---	---	7.7	7.4	---	7.4	7.1	---	7.9	7.0	
25	---	---	---	7.7	7.5	---	7.6	7.3	---	7.9	7.1	
26	---	---	---	7.8	7.5	---	7.5	7.3	---	7.9	7.1	
27	---	---	---	7.9	7.6	---	7.7	7.3	---	7.6	7.0	
28	---	---	---	7.8	7.6	---	7.8	7.3	---	7.6	6.9	
29	---	---	---	7.8	7.6	---	7.7	7.4	---	7.7	6.9	
30	---	---	---	7.7	7.6	---	7.7	7.2	---	7.9	7.0	
31	---	---	---	7.7	7.5	---	---	---	---	7.7	7.0	

DAY	MAX	MEAN		MAX	MEAN		MAX	MEAN		MAX	MEAN	
		MIN	JUNE		MIN	JULY		MIN	AUGUST		MIN	SEPTEMBER
1	7.4	6.9	---	7.6	7.1	---	---	---	---	8.2	6.7	
2	7.6	7.0	---	7.6	7.0	---	---	---	---	8.4	6.7	
3	7.6	7.0	---	7.4	6.8	---	---	---	---	8.3	6.7	
4	7.6	6.9	---	7.2	6.3	---	---	---	---	7.9	6.8	
5	7.6	6.9	---	7.0	6.3	---	---	---	---	7.5	6.7	
6	7.6	6.9	---	7.1	6.4	---	---	---	---	7.5	6.6	
7	7.9	6.9	---	7.3	6.4	---	---	---	---	7.6	6.7	
8	7.5	6.9	---	7.9	6.7	---	---	---	---	7.6	6.7	
9	7.5	7.0	---	8.1	6.8	---	---	---	---	7.7	6.8	
10	8.2	7.1	---	7.7	6.8	---	---	---	---	7.9	7.0	
11	8.3	7.1	---	7.7	6.8	---	---	---	---	8.1	6.9	
12	8.2	7.2	---	7.8	7.0	---	---	---	---	7.5	6.7	
13	7.7	7.1	---	7.8	7.0	---	7.4	6.5	---	7.6	6.8	
14	7.5	7.1	---	7.7	6.9	---	7.6	6.5	---	7.7	6.8	
15	7.7	7.1	---	7.9	6.9	---	8.0	6.9	---	7.5	6.8	
16	7.9	7.0	---	7.4	7.0	---	7.8	6.8	---	7.5	6.8	
17	7.6	6.9	---	7.6	7.0	---	7.6	6.8	---	7.6	6.7	
18	7.5	6.9	---	7.6	7.0	---	7.5	7.0	---	7.8	6.7	
19	7.4	6.8	---	7.9	7.1	---	7.5	6.8	---	8.1	6.8	
20	7.5	6.9	---	8.1	7.0	---	7.2	6.1	---	8.1	6.8	
21	7.4	7.0	---	7.3	6.9	---	7.0	6.1	---	8.0	6.8	
22	7.3	7.0	---	---	---	---	7.0	6.3	---	7.9	6.8	
23	7.6	6.9	---	---	---	---	7.0	6.3	---	7.9	6.8	
24	7.8	7.0	---	---	---	---	7.2	6.4	---	8.0	6.9	
25	7.2	6.7	---	---	---	---	7.3	6.4	---	8.2	7.0	
26	7.3	6.9	---	---	---	---	7.6	6.6	---	8.5	7.0	
27	7.5	7.1	---	---	---	---	7.7	6.7	---	8.3	7.0	
28	7.8	7.1	---	---	---	---	7.5	6.7	---	8.4	6.9	
29	8.1	7.2	---	---	---	---	7.5	6.7	---	8.6	6.9	
30	7.8	7.1	---	---	---	---	7.8	6.7	---	8.6	7.0	
31	---	---	---	---	---	---	8.2	6.7	---	---	---	

YEAR	9.1	6.1										
------	-----	-----	--	--	--	--	--	--	--	--	--	--

02172040 BACK RIVER AT DUPONT INTAKE--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	---	---	---	---	---	---	17.5	15.5	16.5	23.5	22.5	23.0
2	---	---	---	---	---	---	19.0	15.0	17.0	23.0	22.0	22.5
3	---	---	---	---	---	---	19.0	16.0	17.5	22.5	21.5	22.0
4	---	---	---	---	---	---	20.0	17.0	18.0	23.0	21.0	22.0
5	---	---	---	15.5	14.0	15.0	20.5	18.0	19.0	23.5	22.0	23.0
6	---	---	---	15.0	13.5	14.5	20.0	18.0	19.0	24.0	23.0	23.5
7	---	---	---	14.5	13.5	14.0	18.5	17.0	18.0	23.5	21.5	22.5
8	---	---	---	14.0	13.0	13.5	19.0	17.0	18.0	21.0	20.0	20.5
9	---	---	---	14.0	13.0	13.5	20.0	17.5	18.5	20.5	20.0	20.0
10	---	---	---	14.0	13.0	13.5	20.5	18.0	19.0	21.0	20.0	20.5
11	---	---	---	14.0	13.0	13.5	21.5	19.0	20.0	22.5	20.5	21.5
12	---	---	---	14.0	13.0	14.0	22.0	19.5	20.5	22.5	21.0	22.0
13	---	---	---	14.5	13.5	14.0	23.0	20.0	21.0	23.0	21.5	22.0
14	8.5	8.0	8.0	15.0	13.5	14.0	21.5	19.0	20.0	23.5	22.0	22.5
15	9.5	8.0	8.5	15.0	13.5	14.0	21.5	19.0	20.0	23.5	22.5	23.0
16	11.0	9.0	10.0	15.0	14.0	14.5	21.0	18.5	19.5	23.5	21.5	22.5
17	11.5	9.5	10.5	14.0	12.5	13.0	22.0	19.5	20.5	23.5	21.5	22.5
18	11.5	10.0	10.5	13.5	13.0	13.0	23.0	20.5	21.5	23.5	22.0	23.0
19	11.5	10.0	10.5	13.5	13.0	13.5	23.5	21.0	22.0	24.5	23.0	23.5
20	10.5	10.0	11.5	13.0	12.0	12.5	23.0	21.5	22.0	24.0	22.5	23.5
21	---	---	---	13.0	12.0	12.5	21.5	19.5	20.5	22.5	21.5	22.0
22	---	---	---	13.0	12.5	12.5	21.0	19.5	20.0	23.0	21.0	22.0
23	---	---	---	12.0	11.5	12.0	22.0	20.0	21.0	23.5	22.0	23.0
24	---	---	---	12.5	11.0	11.5	22.5	21.0	21.5	24.5	23.0	23.5
25	---	---	---	13.5	12.0	13.5	21.5	20.5	21.0	24.5	23.5	24.0
26	---	---	---	14.0	13.0	13.5	21.5	20.5	21.0	24.5	24.0	24.0
27	---	---	---	15.0	13.0	14.0	22.5	21.0	21.5	24.5	23.5	24.0
28	---	---	---	15.0	13.5	14.5	22.5	21.0	22.0	25.0	23.5	24.0
29	---	---	---	16.0	13.5	14.5	22.5	21.0	22.0	26.0	24.0	25.0
30	---	---	---	16.5	14.0	15.5	23.5	22.0	23.0	26.5	24.5	25.5
31	---	---	---	18.0	14.5	16.0	---	---	---	27.0	25.0	26.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	27.0	24.5	25.5	28.5	28.0	28.0	---	---	---	27.5	26.5	27.0
2	27.0	25.5	26.5	28.0	27.5	28.0	---	---	---	28.0	26.5	27.5
3	27.0	25.5	26.0	27.5	26.5	27.0	---	---	---	27.5	26.5	27.0
4	28.0	25.0	26.0	27.0	25.5	26.5	---	---	---	27.5	26.0	26.5
5	27.5	25.5	26.0	28.5	26.0	27.0	---	---	---	27.0	26.0	26.5
6	28.0	25.5	26.5	29.0	27.0	28.0	---	---	---	27.0	26.0	26.5
7	28.5	26.0	27.0	29.5	28.0	28.5	---	---	---	27.0	26.0	26.5
8	28.5	26.0	27.0	30.0	28.5	29.0	---	---	---	27.5	26.5	27.0
9	27.0	26.0	26.5	30.5	29.0	29.5	---	---	---	27.5	26.5	27.0
10	27.5	26.5	27.0	30.5	29.0	29.5	---	---	---	27.0	26.0	26.5
11	28.5	27.0	27.5	30.5	29.0	29.5	---	---	---	27.0	26.0	26.5
12	28.5	27.5	28.0	30.5	29.0	30.0	---	---	---	28.0	26.0	27.0
13	29.0	28.0	28.5	31.0	29.5	30.0	28.5	28.0	28.5	28.0	26.5	27.5
14	29.0	27.5	28.5	31.0	29.0	30.0	29.0	27.5	28.5	28.0	27.0	27.5
15	29.0	28.0	28.5	31.0	30.0	30.5	29.0	28.0	28.5	28.0	27.0	27.5
16	29.5	28.5	29.0	30.0	30.0	30.5	29.5	28.5	29.0	28.0	27.5	27.5
17	30.0	28.5	29.0	30.5	29.5	30.0	29.0	28.5	29.0	28.0	27.0	27.5
18	30.0	29.0	29.5	30.5	30.0	30.0	28.5	27.5	28.0	27.5	26.5	27.0
19	29.0	28.0	28.5	31.0	30.0	30.5	27.5	26.0	27.0	26.5	25.5	26.0
20	29.0	28.0	28.5	31.0	30.0	30.5	26.5	23.5	25.0	26.0	25.0	25.5
21	29.0	28.5	29.0	30.0	29.5	30.0	25.5	23.0	24.5	26.0	24.5	25.0
22	29.5	29.0	29.5	---	---	---	24.5	23.0	24.0	26.0	24.5	25.5
23	30.5	29.0	29.5	---	---	---	24.5	23.0	24.0	26.0	25.0	25.5
24	30.5	29.5	30.0	---	---	---	25.5	23.5	24.5	25.5	25.0	25.0
25	30.0	29.0	29.5	---	---	---	26.5	24.0	25.0	25.5	24.0	25.0
26	30.5	29.5	30.0	---	---	---	26.5	25.0	26.0	25.5	24.0	25.0
27	30.0	28.5	29.5	---	---	---	26.5	25.5	26.0	25.5	24.0	25.0
28	29.5	28.0	29.0	---	---	---	26.5	26.0	26.0	26.0	24.0	25.0
29	29.0	28.0	28.5	---	---	---	26.5	25.5	26.0	26.0	24.5	25.5
30	29.0	28.0	28.5	---	---	---	27.0	26.0	26.5	26.0	24.5	25.5
31	---	---	---	---	---	---	27.5	26.0	27.0	---	---	---
YEAR	31.0	8.0	23.0									





SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

( BOTTOM )

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1				---	---	---	412	129	270	340	120	201
2				---	---	---	460	138	299	250	120	185
3				---	---	---	395	120	248	179	114	131
4				---	---	---	194	111	152	119	110	114
5				---	---	---	114	110	112	115	110	114
6				---	---	---	111	109	110	119	115	117
7				---	---	---	113	109	110	120	114	117
8				---	---	---	112	109	110	120	114	116
9				---	---	---	111	109	110	133	114	121
10				---	---	---	116	110	113	200	117	142
11				---	---	---	117	110	113	134	112	123
12				---	---	---	113	109	111	115	110	113
13				---	---	---	112	109	110	116	110	113
14				---	---	---	113	108	110	122	113	118
15				---	---	---	113	108	110	119	112	116
16				---	---	---	111	108	110	117	112	115
17				---	---	---	113	105	110	125	114	120
18				---	---	---	129	110	115	156	116	136
19				---	---	---	151	108	124	189	118	154
20				---	---	---	110	103	108	207	119	163
21				---	---	---	110	100	106	178	118	148
22				---	---	---	112	101	107	169	120	145
23				116	110	113	113	101	106	192	120	156
24				129	112	120	129	100	112	250	120	185
25				145	111	128	136	101	115	274	123	185
26				187	114	150	183	106	127	289	126	203
27				196	116	156	256	109	162	298	131	210
28				151	114	132	296	111	184	287	130	205
29				187	114	150	300	114	184	277	131	199
30				278	115	196	345	120	213	302	137	220
31				443	142	292	363	126	229	---	---	---
YEAR	460	100	147									

PH (UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST		
								SEPTEMBER	
1				---	---				
2				---	---	7.2	7.0	8.0	7.2
3				---	---	7.1	7.0	8.2	7.2
4				---	---	7.2	7.0	8.0	7.4
5				---	---	7.3	6.9	7.8	7.1
				---	---	7.5	7.0	7.6	7.0
6				---	---				
7				---	---	7.5	7.1	7.5	7.1
8				---	---	7.4	7.2	7.4	7.2
9				---	---	7.4	7.2	7.5	7.2
10				---	---	7.4	7.2	7.4	7.2
				---	---	7.3	7.1	7.4	7.3
11				---	---				
12				---	---	7.2	7.1	7.6	7.2
13				---	---	7.3	7.1	7.6	7.2
14				---	---	7.3	7.1	7.6	7.2
15				---	---	7.3	7.1	7.9	7.2
				---	---	7.6	7.0	7.8	7.2
16				---	---				
17				---	---	7.5	7.0	7.5	7.2
18				---	---	7.3	6.9	7.6	7.1
19				---	---	7.2	7.0	7.7	7.2
20				---	---	7.2	7.0	7.8	7.3
				---	---	7.1	6.9	7.9	7.4
21				---	---				
22				---	---	7.1	6.8	7.9	7.5
23				---	---	7.0	6.8	7.7	7.4
24				7.3	7.2	6.9	6.7	7.6	7.4
25				7.3	7.0	6.9	6.8	7.6	7.4
				7.3	7.1	7.0	6.8	7.8	7.4
26				7.3	7.1				
27				7.3	7.1	7.0	6.9	8.2	7.4
28				7.3	7.1	7.2	6.9	8.1	7.6
29				7.5	7.2	7.2	7.0	8.4	7.6
30				7.3	7.1	7.2	6.9	8.5	7.7
31				7.2	7.0	7.4	7.0	8.5	7.8
						7.8	7.0	---	---
YEAR	8.5	6.7							

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1				---	---	---	29.5	28.0	29.0	28.0	26.5	27.5
2				---	---	---	29.0	28.0	28.5	28.0	27.5	27.5
3				---	---	---	29.0	28.0	28.5	28.0	27.0	27.5
4				---	---	---	29.0	28.0	28.5	27.5	26.5	27.0
5				---	---	---	29.5	28.0	29.0	27.0	26.5	26.5
6				---	---	---	29.5	28.5	29.0	27.0	26.0	26.5
7				---	---	---	29.5	29.0	29.5	27.0	26.5	26.5
8				---	---	---	29.5	29.0	29.0	27.5	26.5	27.0
9				---	---	---	29.5	29.0	29.0	27.0	26.5	27.0
10				---	---	---	29.5	29.0	29.0	27.0	26.5	26.5
11				---	---	---	29.5	29.0	29.5	27.0	26.5	26.5
12				---	---	---	29.5	29.0	29.0	27.5	26.5	27.0
13				---	---	---	29.0	29.0	29.0	28.0	26.5	27.5
14				---	---	---	29.0	28.5	29.0	28.0	27.0	27.5
15				---	---	---	29.5	28.5	29.0	28.0	27.0	27.5
16				---	---	---	29.5	29.0	29.0	27.5	27.0	27.5
17				---	---	---	29.5	29.0	29.0	27.5	26.5	27.5
18				---	---	---	29.0	28.0	28.5	27.5	26.5	27.0
19				---	---	---	28.5	27.0	27.5	27.0	25.5	26.5
20				---	---	---	26.5	26.0	26.0	26.5	25.0	25.5
21				---	---	---	26.0	25.0	25.5	26.0	25.0	25.5
22				---	---	---	25.5	24.5	25.0	26.0	25.0	25.5
23				30.5	30.0	30.5	25.0	24.5	24.5	25.5	25.0	25.5
24				30.5	30.0	30.0	25.0	24.5	24.5	25.0	24.5	25.0
25				30.5	30.0	30.0	26.0	24.5	25.0	25.0	24.5	24.5
26				30.5	30.0	30.0	26.5	25.5	26.0	25.0	24.0	24.5
27				30.5	30.0	30.0	26.5	25.5	26.0	25.5	24.5	24.5
28				31.0	30.5	30.5	26.5	26.0	26.5	26.0	24.5	25.0
29				31.5	30.5	31.0	27.0	26.0	26.5	26.0	25.0	25.5
30				30.5	30.0	30.0	27.0	26.5	26.5	26.0	25.0	25.5
31				30.0	28.5	29.5	27.5	26.5	27.0	---	---	---
YEAR	31.5	24.0	27.5									

DISSOLVED OXYGEN (DO) IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

[illegible]



## COOPER RIVER BASIN

191

02172051 COOPER RIVER NEAR NORTH CHARLESTON

LOCATION.--Lat 33°00'15", long 79°55'23", Berkeley County, Hydrologic Unit 03050201, on right bank of Cooper River 6.6 mile (10.6 km) downstream from junction of East and West Branch Cooper River and at mile 23.2 (37.1 km).

PERIOD OF RECORD.--October 1980 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to current year.

INSTRUMENTATION.--USGS mini-monitor since October 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 9,900 micromhos May 3, 1981; minimum, less than 100 micromhos several days Nov. 1980, Jan., Feb., Mar., Apr., May, June, July, and Sept. 1981.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 9,900 micromhos May 3; minimum, less than 100 micromhos several days Nov., Jan., Feb., Mar., Apr., May, June, July, Sept.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	300	100	133	200	100	130	200	100	127
2	---	---	---	200	100	139	200	100	124	200	100	128
3	---	---	---	300	100	146	200	100	121	200	100	131
4	---	---	---	300	100	145	200	100	127	200	100	126
5	---	---	---	200	100	131	200	100	135	200	100	136
6	---	---	---	300	100	140	200	100	128	200	100	151
7	---	---	---	200	100	135	200	100	120	200	100	128
8	---	---	---	200	100	129	200	100	121	200	100	143
9	---	---	---	200	100	124	200	100	125	200	100	128
10	---	---	---	200	100	138	200	100	134	200	100	139
11	---	---	---	200	100	139	200	100	121	200	100	146
12	---	---	---	300	100	140	200	100	124	200	100	145
13	---	---	---	200	100	119	200	100	120	200	100	143
14	---	---	---	200	100	125	200	100	126	200	100	---
15	---	---	---	500	100	158	200	100	129	200	100	---
16	---	---	---	700	100	166	200	100	128	600	100	---
17	---	---	---	300	100	---	200	100	133	800	100	---
18	---	---	---	200	100	---	200	100	127	500	100	---
19	---	---	---	200	100	135	200	100	120	900	100	---
20	---	---	---	200	100	133	200	100	133	1400	100	---
21	---	---	---	200	100	143	200	100	121	400	100	---
22	---	---	---	200	100	126	200	100	127	100	100	---
23	700	100	251	200	100	120	200	100	127	100	100	---
24	600	100	210	200	100	123	200	100	135	100	100	---
25	400	100	161	200	100	129	200	100	133	100	100	---
26	200	100	136	200	100	138	300	100	146	100	100	---
27	200	100	133	400	100	142	200	100	122	100	100	---
28	300	100	156	200	100	136	200	100	126	100	100	---
29	300	100	155	200	100	121	200	100	131	100	100	---
30	200	100	136	200	100	123	1600	100	229	100	100	---
31	200	100	131	---	---	---	300	100	148	100	100	---

## 02172051 COOPER RIVER NEAR NORTH CHARLESTON

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	100	100		3100	100		1100	400	842	2500	100	---
2	500	100		9100	100		1500	100	819	6000	100	---
3	100	100		9900	100		2500	400	1010	7500	100	1630
4	400	100		8500	100		3100	400	1160	7500	400	1720
5	500	100		5400	100		2800	400	1140	8000	400	1970
6	800	100		2100	100		2500	100	---	8500	500	2440
7	1000	100		2000	100		2000	100	---	7900	500	2380
8	1100	100		2100	100		2400	100	---	7400	400	1830
9	900	100		1400	100		1400	100	---	6500	400	1470
10	1800	100		500	100		900	100	---	4500	100	842
11	2400	100		100	100		1000	100	---	3500	100	---
12	100	100		100	100		1000	100	---	900	100	---
13	100	100		100	100		500	100	---	5000	100	---
14	500	100		100	100		100	100	---	7900	100	1640
15	1400	100		500	100		1100	100	---	2500	100	---
16	3100	100		500	100		1500	400	673	2100	100	---
17	1500	100		100	100		1000	100	---	3900	100	---
18	2000	100		500	100		500	100	---	4100	100	---
19	1900	100		800	100		2500	100	---	4500	100	---
20	900	100		100	100		2500	100	---	500	100	---
21	500	100		100	100		1100	100	---	900	100	---
22	1000	100		100	100		3400	100	---	5100	100	---
23	500	100		500	100		500	100	---	4000	100	---
24	100	100		100	100		100	100	---	3100	100	---
25	100	100		100	100		500	100	---	4400	100	---
26	100	100		100	100		3900	100	---	5500	100	---
27	400	100		100	100		4500	100	---	5500	100	---
28	4800	100		100	100		100	100	---	1400	100	---
29	---	---		100	100		100	100	---	2500	100	---
30	---	---		500	100		2500	100	---	4100	100	---
31	---	---		500	100		---	---	---	2500	100	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	2500	100	---	7800	500	2370	4100	500	1650	3900	400	1290
2	2500	100	---	8100	1000	2650	3800	500	1540	1500	400	641
3	1100	100	---	7500	900	2980	900	100	---	500	100	---
4	1000	100	---	6100	400	1630	100	100	---	400	100	---
5	500	100	---	1800	100	---	400	100	---	400	100	---
6	500	100	---	500	100	---	500	100	---	800	100	---
7	100	100	---	100	100	---	100	100	---	400	100	---
8	400	100	---	500	100	---	100	100	---	2900	100	---
9	100	100	---	100	100	---	400	100	---	7500	1000	2390
10	100	100	---	400	100	---	2100	100	---	5100	2900	4040
11	100	100	---	100	100	---	1400	400	713	3500	400	1330
12	1100	100	---	1100	100	---	1100	100	---	1000	100	---
13	1800	100	---	100	100	---	500	100	---	500	100	---
14	800	100	---	---	---	---	100	100	---	500	100	---
15	500	100	---	---	---	---	500	100	---	400	100	---
16	500	100	---	---	---	---	100	100	---	100	100	---
17	500	100	---	---	---	---	100	100	---	500	100	---
18	400	100	---	---	---	---	500	100	---	1100	100	---
19	900	100	---	---	---	---	1400	100	---	1800	100	629
20	1100	100	---	100	100	---	100	100	---	2000	400	853
21	500	100	---	100	100	---	100	100	---	1500	500	1010
22	500	100	---	500	100	---	500	100	---	1900	400	891
23	100	100	---	1500	100	---	800	100	---	4100	500	1380
24	100	100	---	1500	100	---	1500	100	---	4400	100	1620
25	100	100	---	2500	100	---	1400	100	---	5100	400	1320
26	500	100	---	1500	100	---	3100	100	---	4800	400	2310
27	3800	100	---	1000	100	---	4500	100	---	4400	1400	2590
28	7000	400	2010	1500	100	---	3800	400	1090	4500	2400	3200
29	9000	500	3230	2400	100	---	4800	500	1720	3800	1000	2200
30	8100	900	3100	3000	100	1020	4400	500	1570	4500	400	2020
31	---	---	---	4500	800	2000	4900	800	1810	---	---	---
YEAR	9900	100	724									

## EDISTO RIVER BASIN

193

02172640 DEAN SWAMP CREEK NEAR SALLEY, S.C.

LOCATION.--Lat 33°35'21", long 81°21'57", Aiken County, Hydrologic Unit 03050204, on right downstream abutment of county road bridge, 1.4 mi (2.3 km) downstream from Johnsons Pond, 4.0 mi (6.4 km) southwest of Wagener, and 4.0 mi (6.4 km) northwest of Salley.

DRAINAGE AREA.--31.2 mi<sup>2</sup> (80.0 km<sup>2</sup>).

PERIOD OF RECORD.--October 1980 to September 1981.

REMARKS.--Water-stage recorder. Altitude of gage is 270 ft (82 m) (from topographic map).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 76 ft<sup>3</sup>/s (2.15 m<sup>3</sup>/s) June 2, gage height, 3.50 ft (1.067 m); minimum daily, 18 ft<sup>3</sup>/s (0.51 m<sup>3</sup>/s) May 25, June 17, 19-21, July 11, 22-25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	30	28	26	26	24	30	21	39	21	26	21
2	44	29	28	26	31	26	29	21	36	24	29	21
3	38	28	28	26	28	24	27	21	38	24	28	20
4	32	30	28	26	27	24	26	21	42	23	25	19
5	30	30	28	25	26	28	27	21	35	22	24	19
6	30	29	27	25	26	26	27	21	29	21	23	23
7	28	29	27	29	27	26	24	23	32	23	22	23
8	26	28	28	28	27	25	24	24	35	22	22	23
9	26	28	27	27	26	23	24	23	28	20	24	22
10	28	29	29	26	27	21	24	23	27	19	24	21
11	28	29	28	26	53	21	24	23	25	18	22	21
12	28	29	27	25	35	22	24	22	23	23	23	21
13	26	29	27	25	31	23	24	21	22	22	23	21
14	24	29	27	26	28	22	24	21	21	21	22	19
15	26	31	27	27	27	22	25	21	20	20	22	19
16	28	31	27	28	27	23	24	21	19	20	21	20
17	28	31	27	27	27	23	24	21	18	20	27	21
18	30	31	27	27	30	26	24	21	22	20	30	24
19	28	29	27	27	32	28	23	22	18	21	27	23
20	26	29	27	26	29	27	23	22	18	20	27	22
21	26	29	27	27	28	26	23	21	18	19	25	22
22	28	28	26	27	27	27	24	20	19	18	24	21
23	32	28	31	27	26	28	25	19	20	18	24	21
24	33	30	29	26	26	26	27	19	25	18	23	21
25	33	30	28	27	25	25	24	18	31	18	22	21
26	31	29	27	27	25	24	23	21	28	19	22	21
27	29	31	27	26	25	24	22	24	25	21	21	21
28	28	30	29	26	23	24	22	23	23	26	21	21
29	28	29	28	26	---	24	22	21	22	24	21	19
30	32	28	27	26	---	26	22	21	21	23	22	19
31	32	---	27	26	---	26	---	23	---	23	22	---
TOTAL	934	880	855	819	795	764	735	664	779	651	738	630
MEAN	30.1	29.3	27.6	26.4	28.4	24.6	24.5	21.4	26.0	21.0	23.8	21.0
MAX	48	31	31	29	53	28	30	24	42	26	30	24
MIN	24	28	26	25	23	21	22	18	18	18	21	19
WTR YR 1981	TOTAL	9244	MEAN 25.3	MAX 53	MIN 18							

## EDISTO RIVER BASIN

02173000 SOUTH FORK EDISTO RIVER NEAR DENMARK, S.C.

LOCATION.--Lat 33°23'35", long 81°08'00", Bamberg-Orangeburg County Line, Hydrologic Unit 03050204, on left bank at downstream side of bridge on U.S. Highway 321, 360 ft (110 m) downstream from Seaboard Coast Line Railroad Bridge, 1.8 mi (2.9 km) downstream from Little River, and 4.8 mi (7.7 km) north of Denmark.

DRAINAGE AREA.--720 mi<sup>2</sup> (1,865 km<sup>2</sup>) approximately (measured on topographic and highway planning survey maps).

PERIOD OF RECORD.--August 1931 to September 1971, October 1980 to September 1981.

GAGE.--Water-stage recorder. Datum of gage is 155.68 ft (47.451 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 27, 1931, nonrecording gage at same site and datum.

REMARKS.--Records good, except those for period of no gage-height record Oct. 7 to Dec. 7, which are fair.

AVERAGE DISCHARGE.--41 years (water years 1932-71, 1981), 792 ft<sup>3</sup>/s (22.43 m<sup>3</sup>/s), 14.94 in/yr (379 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft<sup>3</sup>/s (382 m<sup>3</sup>/s) Apr. 11, 1936, gage height, 10.91 ft (3.33 m), from rating curve extended above 7,100 ft<sup>3</sup>/s (201 m<sup>3</sup>/s) on basis of velocity-area studies; minimum, 146 ft<sup>3</sup>/s (4.13 m<sup>3</sup>/s) Aug. 12, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 11.7 ft (3.57 m) in October 1929, on basis of information from State Highway Department (discharge 17,100 ft<sup>3</sup>/s (484 m<sup>3</sup>/s) by conveyance-slope study).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,560 ft<sup>3</sup>/s (44.2 m<sup>3</sup>/s) Feb. 18, gage height, 6.98 ft (2.13 m); minimum daily, 240 ft<sup>3</sup>/s (6.80 m<sup>3</sup>/s) Sept. 28-30.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1070	600	650	663	567	773	794	417	426	256	319	336
2	1190	600	650	644	597	746	880	384	540	270	455	328
3	1150	600	650	626	675	726	887	349	620	332	569	319
4	1130	600	600	615	713	707	902	342	787	363	644	312
5	932	600	600	591	707	780	895	334	836	372	615	304
6	559	600	600	577	681	829	873	325	787	357	516	290
7	550	600	600	577	688	815	858	335	836	369	453	288
8	500	600	575	586	720	794	858	395	1080	345	425	280
9	500	550	569	586	733	759	836	422	1270	319	392	280
10	500	550	567	586	726	733	787	423	1270	299	365	300
11	500	500	567	580	801	726	720	428	1130	275	411	320
12	450	500	564	572	932	720	663	426	1000	298	447	360
13	450	500	564	575	1050	700	609	407	910	343	483	340
14	450	500	564	577	1150	663	575	386	836	329	556	340
15	450	500	569	575	1170	632	561	366	773	312	726	320
16	450	550	577	569	1240	603	561	342	591	300	794	320
17	450	550	609	564	1480	591	548	328	460	331	669	340
18	450	550	626	556	1540	591	535	317	360	338	694	320
19	450	550	620	551	1480	700	524	300	334	372	675	300
20	450	600	591	551	1360	794	516	309	371	395	620	300
21	450	600	569	559	1270	794	506	335	365	390	569	300
22	450	600	561	567	1160	801	498	331	325	374	551	280
23	450	600	580	572	1050	843	493	309	287	331	545	280
24	450	600	657	572	966	865	511	296	269	283	569	280
25	450	600	669	572	954	880	524	273	312	271	600	260
26	500	600	688	572	921	858	522	271	343	305	550	260
27	500	600	681	575	873	815	511	277	334	353	500	260
28	500	600	669	577	815	766	509	314	321	359	450	240
29	500	600	663	577	---	759	493	327	304	342	400	240
30	550	600	663	572	---	773	460	319	282	310	400	240
31	550	---	669	567	---	773	---	314	---	303	348	---
TOTAL	17981	17200	18981	18003	27019	23309	19409	10701	18359	10196	16310	8937
MEAN	580	573	612	581	965	752	647	345	612	329	526	298
MAX	1190	600	688	663	1540	880	902	428	1270	395	794	360
MIN	450	500	561	551	567	591	460	271	269	256	319	240
CFSM	.81	.80	.85	.81	1.34	1.04	.90	.48	.85	.46	.73	.41
IN.	.93	.89	.98	.93	1.40	1.20	1.00	.55	.95	.53	.84	.46

WTR YR 1981 TOTAL 206405 MEAN 565 MAX 1540 MIN 240 CFSM .79 IN 10.66

## 02173500 NORTH FORK EDISTO RIVER AT ORANGEBURG, S.C.

LOCATION.--Lat 33°29'00", long 80°52'25", Orangeburg County, Hydrologic Unit 03050203, on left bank under bridge on U.S. Highway 301 at Orangeburg, 0.5 mi (0.8 km) upstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) downstream from Caw Caw Swamp and at mile 22.1 (35.6 km).

DRAINAGE AREA.--683 mi<sup>2</sup> (1,770 km<sup>2</sup>).

REVISED RECORDS.--WSP 1032: Drainage area.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 149.02 ft (45.421 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Feb. 23, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good except those for period of no gage-height record Mar. 31 to May 26, which are fair. About 7.9 ft<sup>3</sup>/s (0.22 m<sup>3</sup>/s) diverted by City of Orangeburg for municipal supply.

AVERAGE DISCHARGE.--43 years, 798 ft<sup>3</sup>/s (22.60 m<sup>3</sup>/s), 15.87 in/yr (403 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,500 ft<sup>3</sup>/s (269 m<sup>3</sup>/s) Sept. 18, 1945, gage height, 14.28 ft (4.353 m), from rating curve extended above 5,300 ft<sup>3</sup>/s (150 m<sup>3</sup>/s) by velocity-area studies; minimum, 190 ft<sup>3</sup>/s (5.38 m<sup>3</sup>/s) Sept. 13, 14, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 14.7 ft (4.48 m) in September 1928, discharge, 10,000 ft<sup>3</sup>/s (283 m<sup>3</sup>/s), from rating curve extended as described above, on basis of information from Department of Public Utilities, City of Orangeburg.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,410 ft<sup>3</sup>/s (39.9 m<sup>3</sup>/s), Oct. 2, gage height 7.38 ft (2.249 m); minimum, 300 ft<sup>3</sup>/s (8.50 m<sup>3</sup>/s) July 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1250	656	720	734	609	687	680	400	403	302	414	377
2	1400	666	722	720	640	673	700	400	469	375	611	370
3	1370	671	718	705	685	664	740	390	534	395	740	364
4	1250	685	705	693	697	654	720	380	622	406	764	362
5	1170	681	689	673	699	732	700	370	664	425	726	360
6	1090	671	671	656	699	770	680	380	666	438	685	359
7	982	658	654	662	685	772	680	410	703	446	611	357
8	883	650	642	671	691	740	660	425	775	443	529	353
9	797	642	636	673	691	716	640	420	753	435	463	362
10	722	622	634	667	679	691	600	420	724	410	429	381
11	662	615	636	660	756	673	585	420	709	388	445	385
12	597	609	640	652	854	658	555	420	701	384	471	390
13	550	595	642	642	930	638	540	410	693	388	476	394
14	524	577	648	634	954	613	525	395	722	384	457	385
15	512	587	654	630	982	591	510	380	767	372	477	379
16	499	597	671	628	994	577	480	370	743	370	494	373
17	494	609	691	622	1120	563	470	360	666	411	526	375
18	492	634	693	611	1210	593	460	360	546	443	640	364
19	501	646	685	607	1210	681	450	350	487	439	701	358
20	495	642	669	603	1190	720	450	350	492	407	714	355
21	494	650	652	609	1100	705	440	355	428	379	772	348
22	494	650	636	611	988	709	450	360	397	373	748	340
23	495	642	673	609	915	759	450	350	365	360	685	335
24	517	644	728	609	857	820	450	350	370	344	648	331
25	526	667	783	607	811	820	460	340	421	341	587	326
26	530	669	778	603	786	783	450	335	346	354	516	325
27	540	677	764	603	759	736	450	335	330	362	463	322
28	556	687	762	617	722	703	450	348	330	379	415	320
29	556	701	756	626	---	689	450	352	318	391	393	319
30	587	709	751	634	---	687	440	352	305	387	386	317
31	622	---	745	622	---	679	---	355	---	401	384	---
TOTAL	22157	19409	21448	19893	23913	21496	16315	11642	16449	12132	17370	10686
MEAN	715	647	692	642	854	693	544	376	548	391	560	356
MAX	1400	709	783	734	1210	820	740	425	775	446	772	394
MIN	492	577	634	603	609	563	440	335	305	302	384	317
CFSM	1.05	.95	1.01	.94	1.25	1.02	.80	.55	.80	.57	.82	.52
IN.	1.21	1.06	1.17	1.08	1.30	1.17	.89	.63	.90	.66	.95	.58

CAL YR 1980 TOTAL 308111 MEAN 842 MAX 2750 MIN 367 CFSM 1.23 IN 16.78  
WTR YR 1981 TOTAL 212910 MEAN 583 MAX 1400 MIN 302 CFSM .85 IN 11.60

02174000 EDISTO RIVER NEAR BRANCHVILLE, S.C.

LOCATION.--Lat 33°10'35", long 80°45'05", Bamberg County, Hydrologic Unit 03050205, on right bank 400 ft (120 m) downstream from bridge on U.S. Highway 21, 4.7 mi (7.6 km) downstream from Brier Branch, 5.2 mi (8.4 km) south of Branchville, and at mile 100.0 (160.9 km).

DRAINAGE AREA.--1,720 mi<sup>2</sup> (4,450 km<sup>2</sup>), approximately.

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 80.02 ft (24.390 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 19, 1949, at datum 1.00 ft (0.305 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--36 years, 2,033 ft<sup>3</sup>/s (57.57 m<sup>3</sup>/s), 16.05 in/yr (408 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft<sup>3</sup>/s (413 m<sup>3</sup>/s) Sept. 3, 1964, gage height, 11.44 ft (3.487 m); minimum, 323 ft<sup>3</sup>/s (9.15 m<sup>3</sup>/s) Aug. 14, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 13.5 ft (4.11 m), present datum, in September 1928, on basis of information from State Highway Department, discharge, 25,700 ft<sup>3</sup>/s (728 m<sup>3</sup>/s), by conveyance-slope study.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,200 ft<sup>3</sup>/s (90.6 m<sup>3</sup>/s), Feb. 22, gage height, 6.95 ft (2.118 m); minimum daily, 605 ft<sup>3</sup>/s (17.1 m<sup>3</sup>/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1500	1280	1450	1630	1390	2040	1770	968	722	671	827	878
2	1690	1310	1460	1610	1410	1970	1970	935	776	653	848	842
3	1970	1340	1470	1590	1410	1890	2060	893	878	707	1010	812
4	2320	1360	1490	1570	1410	1780	2090	845	947	797	1240	785
5	2620	1390	1500	1540	1450	1780	2070	809	1090	824	1450	767
6	2740	1410	1500	1500	1490	1780	2020	785	1190	839	1630	755
7	2720	1430	1500	1480	1540	1800	1950	785	1270	848	1670	737
8	2640	1430	1480	1470	1570	1850	1880	812	1390	848	1580	722
9	2530	1420	1460	1450	1570	1880	1820	845	1510	851	1430	728
10	2390	1410	1440	1450	1550	1840	1760	878	1660	833	1250	725
11	2210	1400	1420	1440	1640	1780	1710	887	1750	806	1140	731
12	1990	1390	1400	1430	1750	1710	1660	887	1780	824	1090	740
13	1760	1370	1380	1420	1820	1640	1580	890	1770	812	1060	740
14	1540	1350	1370	1400	1910	1590	1480	881	1750	806	1090	734
15	1390	1350	1360	1400	2020	1530	1400	857	1690	797	1130	728
16	1280	1360	1360	1400	2130	1490	1340	827	1600	776	1100	749
17	1210	1360	1370	1390	2250	1450	1280	794	1520	782	1110	767
18	1170	1360	1380	1390	2380	1410	1220	761	1480	779	1180	761
19	1140	1350	1400	1380	2530	1410	1180	740	1390	812	1300	737
20	1120	1360	1420	1370	2810	1430	1130	725	1220	833	1420	710
21	1110	1370	1430	1360	3110	1480	1130	719	1060	851	1470	698
22	1100	1370	1430	1360	3190	1560	1100	722	965	830	1490	695
23	1100	1370	1450	1350	3090	1690	1080	728	887	806	1490	686
24	1110	1370	1450	1360	2920	1770	1070	719	815	809	1480	671
25	1130	1370	1450	1360	2730	1830	1060	695	752	803	1460	656
26	1140	1370	1480	1360	2520	1880	1060	674	770	728	1430	641
27	1140	1380	1520	1360	2320	1900	1040	665	776	773	1380	626
28	1160	1410	1580	1370	2150	1890	1030	665	740	842	1280	617
29	1180	1430	1620	1370	---	1840	1010	674	716	875	1170	611
30	1210	1440	1640	1380	---	1780	992	698	695	857	1040	605
31	1250	---	1640	1390	---	1710	---	704	---	845	935	---
TOTAL	50560	41310	45300	44330	58060	53380	43942	24467	35559	24917	39180	21654
MEAN	1631	1377	1461	1430	2074	1722	1465	789	1185	804	1264	722
MAX	2740	1440	1640	1630	3190	2040	2090	968	1780	875	1670	878
MIN	1100	1280	1360	1350	1390	1410	992	665	695	653	827	605
CFSM	.95	.80	.85	.83	1.21	1.00	.85	.46	.69	.47	.74	.42
IN.	1.09	.89	.98	.96	1.26	1.15	.95	.53	.77	.54	.85	.47

CAL YR 1980 TOTAL 793794 MEAN 2169 MAX 7680 MIN 737 CFSM 1.26 IN 17.17  
WTR YR 1981 TOTAL 482659 MEAN 1322 MAX 3190 MIN 605 CFSM .77 IN 10.44



## EDISTO RIVER BASIN

197

02174250 COW CASTLE CREEK NEAR BOWMAN, S.C.

LOCATION.--Lat 33°22'43", long 80°42'00", Orangeburg County, Hydrologic Unit 03050206, at bridge on county road, 1.1 mi (1.8 km), upstream from Buck Branch, and 3.2 mi (5.1 km) northwest of Bowman.

DRAINAGE AREA.--23.4 mi<sup>2</sup> (60.6 km<sup>2</sup>).

PERIOD OF RECORD.--October 1970 to September 1981 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 125 ft (38 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--11 years, 21.8 ft<sup>3</sup>/s (0.617 m<sup>3</sup>/s), 12.65 in/yr (321 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,340 ft<sup>3</sup>/s (66.3 m<sup>3</sup>/s) probably occurred Sept. 4 or 5, 1979, gage height, 7.37 ft (2.246 m) from recorded range in stage; minimum daily, 0.64 ft<sup>3</sup>/s (0.018 m<sup>3</sup>/s) Oct. 24, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 150 ft<sup>3</sup>/s (4.25 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge		Gage height	
		(ft <sup>3</sup> /s)	(m <sup>3</sup> /s)	(ft)	(m)
July 2	1200	*207	5.86	*5.32	1.622

Minimum daily, 1.1 ft<sup>3</sup>/s (0.031 m<sup>3</sup>/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	3.0	2.1	3.2	3.3	7.6	3.5	2.9	2.2	3.1	8.2	4.4
2	14	2.7	2.1	3.2	4.0	8.0	3.0	2.9	2.4	106	50	4.2
3	10	2.5	2.0	3.3	4.0	7.3	3.0	2.3	8.2	54	95	3.9
4	8.0	2.5	2.0	3.2	3.8	6.9	3.0	2.5	6.8	20	47	3.8
5	6.6	2.7	1.9	3.2	3.8	16	3.0	2.5	49	13	25	3.5
6	5.8	2.4	1.9	3.2	3.8	15	2.5	2.4	13	13	19	3.5
7	5.2	2.3	1.8	3.1	3.8	12	2.5	3.0	15	9.7	14	3.3
8	4.7	2.3	1.8	3.2	3.8	10	2.5	3.2	41	7.8	12	3.9
9	4.2	2.2	1.8	3.4	3.7	8.0	2.5	2.9	18	6.9	10	4.6
10	3.9	2.1	1.8	3.8	3.5	7.0	2.5	2.9	11	6.2	9.1	3.5
11	3.7	2.0	1.8	3.5	8.7	6.0	2.0	2.9	8.2	5.5	12	3.1
12	3.5	2.0	1.8	3.4	17	5.5	2.0	2.5	11	21	12	3.0
13	3.3	2.0	1.8	3.4	11	5.0	3.0	2.5	10	12	11	2.7
14	3.2	2.0	1.8	3.4	9.9	4.5	5.0	2.4	7.6	8.3	9.7	2.5
15	3.2	2.4	1.8	3.4	8.7	4.5	6.0	2.3	6.0	6.6	8.0	2.5
16	3.1	2.4	1.8	3.4	8.2	5.0	4.0	2.2	4.7	6.3	7.1	2.4
17	3.0	2.5	2.1	3.4	7.6	7.0	3.0	2.2	4.0	12	7.1	2.4
18	3.0	2.5	2.0	3.9	8.2	10	2.5	2.2	3.8	7.8	6.9	2.2
19	3.1	2.5	2.0	3.8	17	9.0	3.5	2.1	3.8	6.5	7.6	2.1
20	3.1	2.4	2.0	3.7	18	7.0	3.0	2.2	6.6	5.8	7.6	2.0
21	2.9	2.3	2.0	3.7	15	5.5	2.5	2.4	3.9	5.5	6.9	2.0
22	2.7	2.2	2.0	3.8	13	5.0	2.5	2.2	3.3	4.9	6.5	1.8
23	2.7	2.2	2.1	3.7	12	4.5	2.5	2.0	3.0	4.4	6.2	1.8
24	2.9	2.2	3.0	3.5	11	4.0	2.5	1.9	2.9	4.2	7.3	1.7
25	3.2	2.2	3.2	3.4	9.9	3.5	2.0	1.8	2.9	4.6	7.3	1.6
26	2.8	2.2	2.9	3.4	8.9	4.0	2.0	1.8	2.7	5.3	6.2	1.5
27	2.7	2.5	2.8	3.4	8.3	6.0	2.0	2.2	2.5	7.4	5.7	1.5
28	2.8	2.4	2.7	3.4	7.8	5.0	2.0	2.3	2.3	5.8	5.3	1.3
29	2.7	2.3	3.0	3.3	---	4.0	2.0	2.0	2.1	4.4	5.2	1.2
30	3.3	2.2	3.3	3.3	---	3.5	3.0	1.8	2.0	3.9	4.9	1.1
31	3.7	---	3.2	3.3	---	3.5	---	1.7	---	8.0	4.7	---
TOTAL	143.0	70.1	68.3	106.3	237.7	209.8	85.0	73.1	259.9	389.9	444.5	79.0
MEAN	4.61	2.34	2.20	3.43	8.49	6.77	2.83	2.36	8.66	12.6	14.3	2.63
MAX	16	3.0	3.3	3.9	18	16	6.0	3.2	49	106	95	4.6
MIN	2.7	2.0	1.8	3.1	3.3	3.5	2.0	1.7	2.0	3.1	4.7	1.1
CFSM	.20	.10	.09	.15	.36	.29	.12	.10	.37	.54	.61	.11
IN.	.23	.11	.11	.17	.38	.33	.14	.12	.41	.62	.71	.13

CAL YR 1980	TOTAL	8710.9	MEAN	23.8	MAX	413	MIN	1.2	CFSM	1.02	IN	13.85
WTR YR 1981	TOTAL	2166.6	MEAN	5.94	MAX	106	MIN	1.1	CFSM	.25	IN	3.44

## EDISTO RIVER BASIN

02175000 EDISTO RIVER NEAR GIVHANS, S.C.  
(National stream-quality accounting network station)  
(Pesticide program station)

LOCATION.--Lat 33°01'40", long 80°23'30", Dorchester County, Hydrologic Unit 03050205, on left bank at downstream side of bridge on State Highway 61, 2.3 mi (3.7 km) downstream from Four Hole Swamp, 2.8 mi (4.5 km) west of Givhans, and at mile 59.9 (96.4 km).

DRAINAGE AREA.--2,730 mi<sup>2</sup> (7,070 km<sup>2</sup>), approximately.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1939 to current year.

REVISED RECORDS.--WSP 1032: Drainage area. WSP 1303: 1939 (monthly and yearly runoff).

GAGE.--Water-stage recorder. Datum of gage is 20.46 ft (6.236 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. About 130 ft<sup>3</sup>/s (3.7 m<sup>3</sup>/s) a day diverted above station for Charleston water supply during year.

AVERAGE DISCHARGE.--42 years, 2,678 ft<sup>3</sup>/s (75.84 m<sup>3</sup>/s), 13.32 in/yr (338 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,500 ft<sup>3</sup>/s (694 m<sup>3</sup>/s) June 14, 1973, gage height, 15.84 ft (4.828 m); minimum, 290 ft<sup>3</sup>/s (8.21 m<sup>3</sup>/s) Aug. 16, 1956, gage height, 0.51 ft (0.155 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1904, 17.5 ft (5.33 m) in February 1925, from investigation by Charleston Commissioners of Public Works, discharge, 24,900 ft<sup>3</sup>/s (705 m<sup>3</sup>/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,030 ft<sup>3</sup>/s (85.8 m<sup>3</sup>/s), Feb. 26, gage height, 7.61 ft (2.320 m); minimum daily, 536 ft<sup>3</sup>/s (15.2 m<sup>3</sup>/s), Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1100	1050	1220	1550	1290	2680	2100	919	640	624	829	1090
2	1190	1060	1240	1570	1310	2510	2290	883	670	608	835	964
3	1290	1080	1250	1580	1360	2380	2460	844	718	600	859	874
4	1400	1090	1260	1570	1410	2270	2540	805	916	612	922	799
5	1510	1110	1270	1560	1430	2210	2580	760	1290	660	1100	739
6	1650	1130	1280	1540	1440	2190	2600	721	1940	700	1310	696
7	1810	1150	1290	1520	1450	2170	2560	709	2090	715	1490	676
8	1970	1160	1310	1500	1470	2140	2500	724	2090	706	1670	660
9	2110	1180	1320	1480	1500	2100	2270	742	2120	700	1770	642
10	2200	1190	1310	1460	1530	2070	2200	769	2190	692	1810	630
11	2230	1190	1300	1430	1580	2050	2100	799	2240	686	1720	628
12	2210	1180	1270	1420	1720	2030	2000	808	2240	670	1570	624
13	2140	1180	1250	1400	1860	2010	1960	802	2170	664	1550	624
14	2020	1170	1220	1380	1910	1960	1820	793	2060	668	1570	622
15	1850	1160	1210	1360	1950	1900	1720	784	2030	688	1610	624
16	1610	1160	1190	1350	1980	1830	1620	751	1840	715	1590	622
17	1360	1150	1180	1330	2030	1760	1520	718	1720	760	1650	620
18	1170	1160	1180	1310	2100	1690	1410	694	1580	751	1720	624
19	1080	1170	1180	1300	2210	1660	1280	676	1470	724	1770	626
20	1020	1160	1180	1290	2340	1650	1180	658	1410	700	1860	620
21	976	1160	1190	1290	2450	1630	1120	654	1320	696	1940	608
22	952	1160	1210	1290	2550	1610	1120	640	1130	692	1960	596
23	937	1160	1250	1290	2700	1700	1140	632	1020	684	1920	588
24	940	1170	1320	1280	2870	1870	1140	630	928	672	1840	584
25	949	1180	1370	1270	3000	1960	1120	626	829	664	1800	576
26	943	1180	1380	1270	3030	1990	1090	614	745	670	1750	566
27	949	1170	1390	1260	2990	2020	1060	612	692	664	1670	558
28	961	1190	1410	1260	2860	2040	1020	640	678	644	1590	552
29	967	1190	1440	1260	---	2050	988	658	658	662	1520	542
30	985	1210	1480	1270	---	2060	952	634	636	712	1420	536
31	1020	---	1520	1280	---	2060	---	632	---	772	1260	---
TOTAL	43499	34650	39870	42920	56320	62250	51460	22331	42060	21175	47875	19710
MEAN	1403	1155	1286	1385	2011	2008	1715	720	1402	683	1544	657
MAX	2230	1210	1520	1580	3030	2680	2600	919	2240	772	1960	1090
MIN	937	1050	1180	1260	1290	1610	952	612	636	600	829	536
CAL YR 1980 TOTAL	1066070			MEAN 2913	MAX 14600	MIN 577						
WTR YR 1981 TOTAL	484120			MEAN 1326	MAX 3030	MIN 536						

## EDISTO RIVER BASIN

199

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1967 to July 1973, October 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT 07...	1200	1990	87	6.1	17.0	.70	8.0	257	240	24	19	7.0
NOV 26...	1000	--	--	--	--	--	--	113	159	--	--	--
DEC 03...	1030	1460	58	6.7	9.0	.80	10.7	50	78	10	0	2.8
JAN 08...	1000	1690	55	6.7	6.0	.80	11.7	K30	K11	8	0	2.4
FEB 04...	0915	1600	72	6.7	7.0	.90	11.6	92	87	14	0	4.1
MAR 04...	0915	2420	71	6.6	14.5	1.4	8.3	117	153	15	--	4.5
APR 16...	0915	1830	79	6.7	20.0	1.3	6.9	K41	75	20	--	6.0
MAY 05...	0830	862	115	6.9	22.0	1.3	7.3	52	230	16	--	5.0
JUN 03...	0900	785	120	7.2	28.0	1.9	6.1	72	173	15	--	4.7
JUL 09...	0750	785	73	7.1	29.5	2.5	5.6	112	261	13	--	4.0
AUG 26...	0745	1930	77	6.7	24.0	2.8	6.6	152	250	18	--	5.7
SEP 03...	0745	1000	84	6.9	26.5	2.0	6.6	90	550	17	--	5.3
DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	POTAS- SIUM 40 DIS- SOLVED (PCI/L AS K40)	ALKA- LINITY LAR (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT 07...	1.5	7.6	40	.7	.9	--	--	22	8.1	.1	13	79
NOV 26...	--	--	--	--	--	--	--	--	--	--	--	--
DEC 03...	.7	7.8	61	1.1	.8	.60	12	5.2	11	.0	8.2	55
JAN 08...	.4	6.1	62	1.0	.5	.40	--	6.8	7.0	.0	5.0	44
FEB 04...	.8	8.5	56	1.0	.8	.60	15	8.3	8.9	<.1	3.6	52
MAR 04...	.8	9.6	57	1.1	1.0	.70	13	9.1	8.3	<.1	3.1	74
APR 16...	1.1	8.7	47	.9	1.2	.90	21	5.9	10	<.1	3.1	69
MAY 05...	.9	18	69	1.9	1.4	1.0	17	13	14	<.1	5.2	87
JUN 03...	.8	14	64	1.6	1.5	1.1	23	13	12	<.1	4.2	80
JUL 09...	.7	8.7	57	1.1	.9	.70	14	6.3	9.5	<.1	5.8	54
AUG 26...	1.0	7.7	46	.8	1.3	1.0	17	5.7	9.1	<.1	8.6	72
SEP 03...	.9	8.9	52	.9	1.0	.70	16	7.8	10	<.1	7.6	64

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
DEC 03...	--	--	0	9	9	0	90	70	20	6.6	.6
MAR 04...	0	0	0	0	0	0	30	0	200	12	.8
JUN 03...	0	0	0	0	0	0	20	0	140	.4	.6
SEP 03...	<1	--	<1	<1	--	<1	20	0	170	9.6	.4
DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)
OCT 07...	64	.11	424	.09	.07	.000	.040	.00	.05	.45	.42
NOV 26...	--	--	--	--	--	--	--	--	--	--	--
DEC 03...	44	.07	217	.04	.07	.010	.000	.01	.00	.23	.23
JAN 08...	33	.06	201	.07	.07	.010	.000	.01	.00	.19	.21
FEB 04...	44	.07	225	.13	<.01	.010	<.010	.01	.01	.26	--
MAR 04...	45	.10	484	.03	.03	.060	.010	--	.01	.15	.18
APR 16...	49	.09	341	.13	.13	.040	.060	--	.08	.35	--
MAY 05...	69	.12	202	.30	.31	.040	.060	--	.08	.56	.46
JUN 03...	66	.11	170	.25	.26	.050	.050	--	.06	.38	.60
JUL 09...	45	.07	114	.25	.25	<.010	.040	--	.05	--	.36
AUG 26...	50	.10	375	.11	.11	.020	.040	--	.05	.63	.40
SEP 03...	53	.09	173	.22	.24	.020	.020	--	.03	.53	.38
DATE	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
OCT 07...	.45	.00	.46	.54	.53	2.4	.090	.28	.070	14	--
NOV 26...	--	--	--	--	--	--	--	--	--	--	--
DEC 03...	.24	.01	.23	.28	.30	1.2	.080	.25	.080	--	--
JAN 08...	.20	.00	.21	.27	.28	1.2	.050	.15	.050	5.2	--
FEB 04...	.27	.00	.33	.40	--	1.8	.070	.21	.060	5.9	--
MAR 04...	.21	.02	.19	.24	.22	1.1	.360	1.1	.040	--	65
APR 16...	.39	--	<.10	.52	--	2.3	.080	.25	.070	12	--
MAY 05...	.60	.08	.52	.90	.83	4.0	.190	.58	.160	2.2	52
JUN 03...	.43	.00	.65	.68	.91	3.0	.150	.46	.130	--	140
JUL 09...	.52	.12	.40	.77	.65	3.4	.080	.25	.040	4.4	39
AUG 26...	.65	.21	.44	.76	.55	3.4	.080	.25	.060	11	--
SEP 03...	.55	.15	.40	.77	.64	3.4	.080	.25	.050	--	5200

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELF- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
DEC 09...	0	0	0	0	0	2	160	30	130	14	.5
MAR 04...	0	0	0	0	0	0	40	0	240	14	.5
JUN 03...	0	0	0	0	0	0	10	0	270	12	--
SEP 03...	<1	--	<1	<1	--	<1	30	0	320	23	.4

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL THI- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC 03...	--	--	--	--	--	--	--	--	7	38	70
MAR 04...	ND	ND	ND	ND	ND	ND	ND	ND	6	--	58
JUN 03...	--	--	--	--	--	--	--	--	3	12	77
SEP 03...	--	--	--	--	--	--	--	--	0	.00	100
MAR 04...	--	--	--	--	--	--	--	--	--	--	--
MAR 04...	--	--	--	--	--	--	--	--	2	13	100
MAR 12...	--	--	--	--	--	--	--	--	3	15	100
MAY 03...	--	--	--	--	--	--	--	--	14	33	47
JUN 03...	--	--	--	--	--	--	--	--	14	30	49
JUL 09...	--	--	--	--	--	--	--	--	2	4.2	100
AUG 26...	--	--	--	--	--	--	--	--	1	5.2	100
SEP 03...	--	--	--	--	--	--	--	--	12	32	63

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHROMIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)
DEC 03...	1030	--	--	1	100	0	100	0	0	0	10	0
MAR 04...	0915	0	0	0	100	0	200	0	0	0	10	--
JUN 03...	0900	2	0	2	100	70	30	1	0	1	10	--
SEP 03...	0745	2	0	2	<50	--	200	<1	--	<1	10	--

DATE	CHROMIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
DEC 03...	10	2	0	2	1	0	16	520	240	240	0
MAR 04...	<10	0	0	0	4	0	56	440	150	290	6
JUN 03...	<10	2	2	0	32	0	51	650	310	340	4
SEP 03...	<10	<1	--	<1	14	14	4	940	510	430	5

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGANESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGANESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
DEC 03...	0	0	10	0	20	--	--	.7	0	0	0
MAR 04...	0	6	30	20	10	.1	.0	.1	7	0	13
JUN 03...	0	4	40	20	20	.1	.0	.1	22	4	18
SEP 03...	--	<1	50	30	20	<.1	--	<.1	36	18	18



WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

02175500 SALKEHATCHIE RIVER NEAR MILEY, S.C.

DRAINAGE AREA.--341 mi<sup>2</sup> (883 km<sup>2</sup>).

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 64.35 ft (19.614 m) National Geodetic Vertical Datum of 1929. Dec. 6, 1957 to Jan. 22, 1971, nonrecording gage at same site and datum. Prior to Dec. 6, 1957, nonrecording gage at bridge 90 ft (27 m) upstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--30 years, 351 ft<sup>3</sup>/s (9.940 m<sup>3</sup>/s), 13.98 in/vr (355 mm/vr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,300 ft<sup>3</sup>/s (93.5 m<sup>3</sup>/s) Mar. 13, 1980, gage height, 5.44 ft (1.658 m); minimum, 17 ft<sup>3</sup>/s (0.48 m<sup>3</sup>/s) Sept. 13, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 771 ft<sup>3</sup>/s (21.8 m<sup>3</sup>/s) Oct. 2, gage height, 3.88 ft (1.183 m); minimum daily, 44 ft<sup>3</sup>/s (1.246 m<sup>3</sup>/s) Sept. 28-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	708	263	292	304	232	220	334	107	97	51	166	89
2	761	266	289	301	266	217	550	97	107	57	257	89
3	716	274	280	292	280	224	620	92	150	74	288	86
4	635	277	271	280	271	234	598	87	166	87	256	79
5	520	269	260	263	277	298	635	83	190	96	226	73
6	415	252	250	247	298	323	570	78	186	115	210	71
7	326	232	244	247	311	323	490	101	217	103	201	67
8	252	215	237	247	295	327	387	127	280	92	184	65
9	199	203	234	244	271	320	304	134	289	87	141	63
10	172	197	237	252	252	311	266	148	277	77	109	64
11	157	192	242	257	341	286	242	152	274	65	101	69
12	145	188	242	257	391	250	224	137	327	140	120	69
13	136	186	239	255	395	227	208	123	413	117	129	64
14	133	186	242	242	413	215	192	111	450	86	137	58
15	128	197	242	242	445	206	180	96	408	70	140	83
16	128	217	244	229	431	208	166	85	422	59	165	70
17	128	239	247	224	413	201	159	79	413	69	216	85
18	128	263	244	222	395	206	157	76	286	76	244	85
19	128	274	244	222	379	244	152	78	145	69	258	85
20	131	283	247	217	359	255	142	82	108	81	336	81
21	131	295	247	229	355	266	142	100	101	70	376	73
22	134	289	242	227	355	298	140	92	119	68	301	66
23	139	269	280	222	355	355	154	83	103	60	227	59
24	157	255	320	224	355	375	178	74	81	51	201	54
25	170	250	337	229	337	367	178	64	82	63	191	49
26	170	242	323	232	298	367	172	59	81	142	180	46
27	180	257	334	234	260	348	168	60	64	79	171	45
28	199	271	348	242	234	317	157	85	57	73	147	44
29	215	280	351	244	---	274	139	85	55	70	122	44
30	244	286	337	237	---	260	120	77	51	94	105	44
31	260	---	317	237	---	271	---	77	---	127	96	---
TOTAL	8045	7367	8463	7601	9264	8593	8124	2929	5999	2568	6001	2019
MEAN	260	246	273	245	331	277	271	94.5	200	82.8	194	67.3
MAX	761	295	351	304	445	375	635	152	450	142	376	89
MIN	128	186	234	217	232	201	120	59	51	51	96	44
CFSM	.76	.72	.80	.72	.97	.81	.80	.28	.59	.24	.57	.20
IN.	.88	.80	.92	.83	1.01	.94	.89	.32	.65	.28	.65	.22
CAL YR 1980	TOTAL	149584	MEAN 409	MAX	2910	MIN 62	CFSM 1.20	IN 16.32				
WTR YR 1981	TOTAL	76973	MEAN 211	MAX	761	MIN 44	CFSM .62	IN 8.40				

## BROAD RIVER BASIN

205

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.  
(National stream-quality accounting network station)

LOCATION.--Lat 32°50'10", long 81°07'55", Hampton County, Hydrologic Unit 03050208, near left bank on downstream side of bridge on U.S. Highway 601, 1.6 mi (2.6 km) downstream from Black Creek, 2.5 mi (4.0 km) southwest of Hampton, and at mile 33.6 (54.1 km).

DRAINAGE AREA.--203 mi<sup>2</sup> (526 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 50.30 ft (15.331 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 26, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--30 years, 184 ft<sup>3</sup>/s (5.211 m<sup>3</sup>/s), 12.31 in/yr (313 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,160 ft<sup>3</sup>/s (231 m<sup>3</sup>/s) Sept. 2, 1969, gage height, 8.39 ft (2.557 m), from floodmarks; no flow for some days in 1951, 1954, 1956, 1957, 1968, 1969, 1980, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 585 ft<sup>3</sup>/s (16.6 m<sup>3</sup>/s) Apr. 3, gage height, 4.09 ft (1.247 m); no flow July 16-29.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	53	49	69	39	74	243	10	2.9	1.8	12	50
2	130	55	45	61	76	72	499	8.3	3.2	2.2	49	42
3	170	50	42	51	110	69	571	6.5	6.3	2.3	126	28
4	120	47	38	45	122	66	507	5.3	14	2.2	234	19
5	100	42	36	39	99	110	377	4.7	25	1.9	178	14
6	75	31	33	38	78	150	270	4.1	18	2.1	87	11
7	60	28	27	39	69	168	203	6.5	15	2.3	50	9.6
8	44	27	22	41	67	147	168	8.0	14	2.0	75	10
9	38	27	20	42	67	125	144	10	16	1.7	76	11
10	32	24	20	43	64	99	125	12	20	1.4	62	12
11	28	20	20	41	122	85	113	12	20	1.2	42	12
12	26	16	20	36	211	74	99	12	47	1.1	41	8.6
13	24	15	21	34	275	66	85	9.3	41	.99	83	5.8
14	21	16	22	33	252	63	72	7.4	33	.66	103	3.9
15	20	19	20	33	203	57	63	6.0	26	.17	66	3.3
16	19	20	21	32	150	61	54	4.9	17	.00	37	3.4
17	18	23	22	31	122	60	47	4.5	9.6	.00	21	4.5
18	18	28	22	29	125	71	43	3.9	5.7	.00	18	3.9
19	18	31	24	28	159	120	36	3.5	11	.00	56	3.6
20	17	38	25	27	196	150	29	6.0	25	.00	205	3.2
21	16	43	24	33	192	147	29	9.3	20	.00	366	2.7
22	16	41	22	36	162	150	27	7.1	10	.00	265	2.2
23	18	38	39	39	138	215	28	7.4	6.3	.00	169	1.9
24	20	37	57	35	117	257	33	5.8	5.1	.00	148	1.6
25	20	34	76	33	99	235	32	4.5	4.3	.00	142	1.3
26	22	32	76	33	89	185	27	3.6	3.1	.00	145	.90
27	27	41	67	31	81	147	23	3.5	2.4	.00	103	.72
28	31	42	66	36	76	117	19	3.4	1.9	.00	72	.60
29	31	45	69	38	---	99	15	3.3	1.5	.00	61	.48
30	39	49	78	41	---	106	12	3.1	1.1	.03	55	.36
31	42	---	79	42	---	133	---	2.9	---	6.7	51	---
TOTAL	1280	1012	1202	1189	3560	3678	3993	198.8	425.4	30.75	3198	271.56
MEAN	41.3	33.7	38.8	38.4	127	119	133	6.41	14.2	.99	103	9.05
MAX	170	55	79	69	275	257	571	12	47	6.7	366	50
MIN	16	15	20	27	39	57	12	2.9	1.1	.00	12	.36
CFSM	.20	.17	.19	.19	.63	.59	.66	.03	.07	.005	.51	.05
IN.	.23	.19	.22	.22	.65	.67	.73	.04	.08	.01	.59	.05

CAL YR 1980 TOTAL 74135.57 MEAN 203 MAX 4150 MIN .00 CFSM 1.00 IN 13.59  
WTR YR 1981 TOTAL 20038.51 MEAN 54.9 MAX 571 MIN .00 CFSM .27 IN 3.67

## BROAD RIVER BASIN

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1972 to July 1973, October 1974 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1975 to September 1981 (discontinued).

WATER TEMPERATURE: April 1975 to current year.

INSTRUMENTATION.--Servo Programmer April 1975 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 188 micromhos Oct. 31, 1978; minimum, 33 micromhos Mar. 14, 1980.

WATER TEMPERATURE: Maximum, 33.0°C Aug. 9, 1980; minimum, 0.0°C Jan. 20, 1976.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)
OCT										
08...	1015	35	100	6.0	14.0	.60	7.0	145	--	33
NOV										
21...	1015	48	78	6.6	8.0	.40	8.7	147	273	27
DEC										
09...	0950	25	87	6.7	10.0	.80	6.8	62	92	28
JAN										
08...	1230	51	84	6.7	4.0	.70	9.9	207	K20	23
FEB										
04...	1200	141	81	6.7	4.0	.90	11.0	227	125	26
MAR										
04...	1200	59	86	6.7	13.0	.50	7.5	117	K24	30
APR										
16...	1145	48	91	6.6	17.5	1.1	5.5	44	46	33
MAY										
05...	1115	3.8	108	6.7	18.5	2.3	4.1	K37	130	40
JUN										
03...	1115	5.0	122	6.9	24.0	2.6	3.3	135	223	44
JUL										
09...	1030	1.1	130	6.9	26.5	3.0	.8	257	410	43
AUG										
26...	0930	141	85	6.5	23.0	1.5	5.3	420	770	27
SEP										
03...	1000	28	93	6.5	24.0	1.4	4.9	170	780	33

DATE	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	POTAS- SIUM 40 DIS- SOLVED (PCI/L AS K40)	ALKA- LINIT LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)
UCT										
08...	21	9.9	2.0	5.9	27	.4	1.4	--	--	20
NOV										
21...	5	7.8	1.8	6.4	32	.5	1.7	--	22	5.9
DEC										
09...	9	8.2	1.8	6.2	31	.5	1.5	--	19	4.2
JAN										
08...	2	6.8	1.5	5.9	34	.5	1.1	.80	--	6.6
FEB										
04...	10	7.6	1.7	6.1	33	.5	1.2	.90	16	7.3
MAR										
04...	--	9.0	1.8	2.0	12	.2	1.3	1.0	23	4.5
APR										
16...	--	10	2.0	6.0	27	.5	1.2	.90	26	4.0
MAY										
05...	--	12	2.4	7.0	27	.5	1.8	1.3	36	4.1
JUN										
03...	--	14	2.2	5.5	20	.4	2.1	1.6	41	5.4
JUL										
09...	--	14	2.0	6.8	24	.5	2.1	1.6	29	4.3
AUG										
26...	--	8.0	1.7	6.1	32	.5	1.4	1.0	15	5.9
SEP										
03...	--	10	2.0	6.3	28	.5	1.7	1.3	27	6.1

## BROAD RIVER BASIN

207

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DATE	CHLORIDE, DIS- SOLVED (MG/L AS CL)	FLUORIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO <sub>2</sub> )	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO <sub>2</sub> +NO <sub>3</sub> TOTAL (MG/L AS N)	NITRO- GEN, NO <sub>2</sub> +NO <sub>3</sub> DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 08...	11	.1	13	127	71	.17	12.0	.02	.03	.040
NOV 21...	13	.1	13	86	63	.12	11.1	.00	.01	.000
DEC 09...	10	.1	14	84	58	.11	5.7	.01	.02	.000
JAN 08...	10	.1	11	73	56	.10	10.1	.02	.02	.000
FEB 04...	10	<.1	9.1	72	53	.10	27.4	.04	.02	<.010
MAR 04...	9.6	<.1	7.3	80	50	.11	12.7	.03	.01	.140
APR 16...	9.6	<.1	8.9	50	57	.07	6.5	.01	.02	.050
MAY 05...	8.8	<.1	11	151	69	.21	1.6	.10	.12	.390
JUN 03...	7.2	<.1	7.4	91	72	.12	1.2	.16	.19	.230
JUL 09...	9.3	.1	9.9	101	65	.14	.30	.02	.02	.000
AUG 26...	9.4	<.1	10	107	52	.15	40.7	.15	.13	.060
SEP 03...	12	<.1	11	118	68	.16	8.9	.15	.14	.070
DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH <sub>4</sub> )	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH <sub>4</sub> )	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA + ORGANIC SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)
OCT 08...	.040	.05	.05	.90	.88	.94	.92	.92	.96	.95
NOV 21...	.030	.00	.04	.55	.41	.55	.11	.44	.55	.45
DEC 09...	.020	.00	.03	.41	.57	.41	.00	.59	.42	.61
JAN 08...	.000	.00	.00	.30	.31	.30	.00	.31	.32	.33
FEB 04...	<.010	.01	.01	--	--	.43	.00	.44	.47	.46
MAR 04...	.020	--	.03	.24	.39	.38	.00	.41	.41	.42
APR 16...	.050	--	.06	.83	.46	.88	.37	.51	.89	.53
MAY 05...	.440	--	.57	.54	.56	.93	.00	1.0	1.0	1.1
JUN 03...	.220	--	.28	.52	.67	.75	.00	.89	.91	1.1
JUL 09...	.850	--	1.1	1.2	.65	2.00	.50	1.5	2.0	1.5
AUG 26...	.070	--	.09	.89	.85	.95	.03	.92	1.1	1.1
SEP 03...	.070	--	.09	.93	.87	1.00	.06	.94	1.2	1.1

## BROAD RIVER BASIN

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

		NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM			
OCT													
	08...	4.3	.060	.18	.050	22	--	2	.19	100			
	NOV												
	21...	2.4	.050	.15	.040	16	78	5	.65	81			
	DEC												
	09...	1.9	.040	.12	.030	--	--	1	.07	100			
	JAN												
	08...	1.4	.040	.12	.040	10	--	4	.55	84			
	FEB												
	04...	2.1	.060	.18	.040	12	--	1	.38	100			
	MAR												
	04...	1.8	<.010	.03	.040	--	39	3	.48	85			
	APR												
	16...	3.9	.110	.34	.090	16	--	6	.78	77			
	MAY												
	05...	4.6	.190	.58	.150	13	39	12	.12	49			
	JUN												
	03...	4.0	.190	.58	.150	--	52	4	.05	36			
	JUL												
	09...	8.9	.280	.86	.150	13	3300	15	.04	64			
	AUG												
	26...	4.9	.130	.40	.110	25	--	4	1.5	66			
	SEP												
	03...	5.1	.150	.46	.120	--	360	17	1.3	68			
DATE		TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)
DEC	09...	0950	1	0	1	<50	--	50	0	0	3	20	10
MAR	04...	1200	0	0	0	100	0	200	0	0	0	20	10
JUN	03...	1115	2	0	2	100	40	60	1	0	1	10	--
SEP	03...	1000	2	0	2	100	0	100	<1	--	<1	10	--
DATE			CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
DEC	09...		10	0	0	1	3	0	73	370	130	240	1
MAR	04...		10	0	0	0	3	0	68	770	440	330	6
JUN	03...		<10	1	1	0	20	0	110	1200	100	1100	18
SEP	03...		<10	<1	--	<1	9	6	3	1200	260	940	5
DATE			LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
DEC	09...		0	6	90	20	70	.2	.1	.1	2	0	7
MAR	04...		0	10	80	30	50	<.1	--	<.1	6	0	11
JUN	03...		4	14	830	0	890	.1	.0	.1	26	7	19
SEP	03...		--	<1	280	10	270	<.1	--	<.1	33	16	17



02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	87	85	86	83	82	83	83	81	82
2	---	---	---	88	85	86	84	83	84	83	82	83
3	---	---	---	90	87	88	86	84	85	83	82	83
4	---	---	---	91	83	88	86	85	86	84	83	83
5	---	---	---	89	82	87	86	85	85	83	83	83
6	---	---	---	91	89	90	87	85	86	84	82	83
7	---	---	---	91	89	90	88	86	87	83	82	83
8	108	105	106	91	90	90	89	87	88	84	83	83
9	105	102	104	91	90	91	90	88	89	84	83	84
10	105	101	102	93	90	91	90	89	89	84	83	83
11	107	101	103	94	92	93	90	89	89	84	83	83
12	107	101	104	93	92	93	89	88	88	85	83	84
13	103	99	102	94	92	93	88	87	88	88	84	86
14	103	98	100	95	93	94	87	86	87	87	86	87
15	101	98	100	94	93	93	87	86	87	86	85	86
16	103	100	102	95	92	94	87	85	86	88	85	86
17	106	102	104	95	91	92	87	85	86	88	86	87
18	106	104	105	91	88	90	87	85	86	87	86	87
19	109	105	107	89	86	88	86	84	85	88	86	87
20	109	107	108	86	84	85	85	83	84	88	87	88
21	107	105	106	84	83	84	84	83	83	88	86	87
22	106	98	102	83	82	83	85	83	84	88	87	88
23	99	96	98	85	83	84	85	77	81	89	88	88
24	97	95	96	87	85	86	80	78	79	89	88	89
25	96	95	96	89	87	88	79	77	78	90	88	89
26	95	91	94	89	87	88	78	77	77	90	88	89
27	92	90	91	88	85	86	79	77	78	90	89	90
28	91	90	90	86	85	86	79	77	78	90	88	90
29	92	90	91	86	84	85	81	79	80	90	89	90
30	92	85	89	84	83	83	81	80	81	90	88	89
31	89	87	88	---	---	---	82	81	81	88	87	88
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	90	87	88	84	81	83	84	67	74	131	108	122
2	90	78	82	86	83	84	88	66	67	128	107	125
3	83	81	82	85	84	85	84	64	67	128	105	112
4	82	80	81	85	79	84	95	64	77	109	105	107
5	82	81	81	85	79	82	92	67	78	112	107	109
6	88	81	84	115	81	90	73	69	71	139	109	115
7	88	83	84	84	79	81	73	71	72	139	131	133
8	89	83	85	112	78	84	74	72	73	133	106	129
9	85	84	84	93	78	82	77	74	75	132	106	127
10	85	84	85	81	79	80	80	76	78	128	114	123
11	85	74	78	83	81	82	82	79	81	130	121	126
12	82	77	79	84	82	83	85	82	83	129	126	128
13	76	73	75	85	83	84	89	85	87	129	103	118
14	75	73	74	126	84	96	91	88	89	132	103	111
15	77	75	76	124	85	91	112	90	94	133	123	129
16	78	76	77	124	85	98	92	88	90	129	106	112
17	80	78	79	108	84	96	91	88	89	110	106	107
18	80	76	78	116	77	87	112	89	93	111	108	109
19	79	77	78	82	80	81	115	93	105	117	111	113
20	79	78	78	81	80	81	127	98	111	118	99	111
21	78	77	78	87	79	80	124	95	113	109	105	107
22	78	77	77	80	72	77	120	94	108	109	106	108
23	78	77	78	86	73	78	118	95	105	111	108	109
24	80	77	79	76	72	74	138	95	112	112	109	110
25	80	79	79	73	71	72	137	134	136	114	110	111
26	81	79	80	106	73	75	136	123	131	115	113	114
27	82	80	81	79	75	76	122	96	99	117	114	116
28	84	81	82	80	78	79	169	98	113	120	117	119
29	---	---	---	82	80	81	131	120	126	122	119	120
30	---	---	---	82	78	81	125	106	119	139	120	126
31	---	---	---	84	81	82	---	---	---	144	123	132

## BROAD RIVER BASIN

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	147	127	135	130	125	127	---	---	---	---	---	---
2	146	111	132	131	128	129	---	---	---	---	---	---
3	135	112	120	130	127	128	96	94	95	96	94	95
4	124	106	116	129	124	127	96	94	95	96	94	95
5	132	120	127	128	125	127	96	94	96	96	94	96
6	129	111	122	129	125	127	97	95	96	97	95	96
7	120	106	114	131	125	127	97	95	96	100	95	98
8	116	99	111	133	130	131	99	95	97	95	94	95
9	103	91	96	133	130	131	95	94	95	96	94	95
10	106	91	96	134	130	132	96	94	95	96	94	95
11	108	81	96	137	130	134	96	94	95	96	94	95
12	107	88	93	134	130	133	96	94	95	96	94	95
13	107	91	98	134	131	132	96	94	95	96	94	95
14	106	93	96	135	130	133	97	95	96	96	94	95
15	109	94	98	134	131	132	97	96	97	96	94	95
16	108	97	101	133	120	130	97	92	95	96	94	95
17	116	101	107	134	124	131	96	93	95	101	96	99
18	127	111	117	121	62	76	105	101	103	105	101	103
19	130	75	104	---	---	---	107	105	106	---	---	---
20	97	77	83	---	---	---	109	106	107	---	---	---
21	92	84	88	---	---	---	110	107	108	---	---	---
22	123	93	107	---	---	---	111	108	109	---	---	---
23	117	106	111	---	---	---	110	109	109	---	---	---
24	107	95	103	---	---	---	111	109	110	---	---	---
25	98	94	97	---	---	---	112	110	111	---	---	---
26	114	98	105	---	---	---	114	111	113	---	---	---
27	119	113	115	---	---	---	117	114	115	---	---	---
28	127	115	120	---	---	---	120	117	118	---	---	---
29	126	116	121	---	---	---	122	119	120	---	---	---
30	130	121	125	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
YEAR	169	62	96									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	14.0	12.5	13.0	9.0	6.5	8.0	8.5	6.0	7.5
2	---	---	---	14.0	12.0	13.0	11.0	8.0	9.5	7.5	6.0	6.5
3	---	---	---	14.5	12.5	13.5	10.5	9.0	10.0	6.5	4.5	5.5
4	---	---	---	16.5	14.5	15.5	9.0	7.0	8.0	7.5	5.0	6.0
5	---	---	---	16.0	13.5	15.0	8.5	6.0	7.0	5.0	2.0	3.0
6	---	---	---	13.5	12.0	12.5	9.0	6.5	7.5	4.0	1.0	2.5
7	---	---	---	13.0	10.5	12.0	10.0	7.5	8.5	7.0	4.0	5.5
8	18.5	15.5	17.5	14.5	12.0	13.0	11.0	8.0	9.5	5.5	4.0	5.0
9	21.0	15.0	18.0	15.0	13.0	14.0	13.0	10.0	11.5	4.5	3.0	4.0
10	22.0	18.5	20.5	16.0	14.0	15.0	14.0	12.5	13.0	4.0	2.0	3.0
11	23.0	20.5	21.5	14.5	12.0	13.5	12.5	10.0	11.5	3.0	1.0	2.5
12	22.0	18.5	20.0	12.0	10.0	11.0	10.0	8.0	9.0	2.5	.5	1.5
13	17.5	14.0	16.0	11.0	8.5	10.0	10.0	7.5	9.0	1.0	.5	.5
14	16.0	12.5	14.0	13.0	10.5	11.5	10.0	8.5	9.0	3.5	.5	2.0
15	18.5	13.5	16.0	14.5	13.0	14.0	9.0	6.5	8.0	6.5	3.5	4.5
16	21.5	16.5	19.0	15.5	14.5	15.0	8.5	8.0	8.5	6.0	3.0	4.5
17	22.0	20.0	21.0	14.0	12.0	12.5	9.5	8.0	8.5	5.0	3.0	4.0
18	23.0	21.0	22.0	13.0	11.5	12.0	8.0	6.0	7.0	4.0	1.5	3.0
19	25.0	23.0	23.5	12.0	9.0	10.0	9.0	6.5	8.0	5.5	2.5	4.0
20	23.5	21.5	22.5	9.0	7.5	8.5	9.5	7.5	9.0	6.5	4.0	5.5
21	21.0	18.0	20.0	10.0	8.5	9.5	7.5	4.5	5.5	7.5	6.5	7.0
22	20.0	17.5	19.0	9.5	7.0	8.5	5.0	3.5	4.5	7.5	6.5	7.0
23	18.0	16.5	17.5	12.0	9.0	10.5	6.5	4.5	5.5	8.5	6.5	7.5
24	16.5	15.0	15.5	13.5	12.0	13.0	7.5	5.0	6.0	8.5	6.0	7.0
25	15.5	14.0	15.0	14.5	13.0	13.5	7.5	4.0	6.0	8.0	4.5	6.5
26	14.0	12.0	13.0	13.0	11.0	11.5	4.0	2.5	3.0	8.5	5.0	7.0
27	14.0	11.5	13.0	13.5	11.0	12.0	3.5	2.5	3.0	10.5	7.0	8.5
28	15.5	13.5	14.5	12.5	10.0	11.0	5.5	3.5	4.5	11.5	10.0	10.5
29	16.5	15.5	16.0	9.5	8.0	9.0	8.0	6.0	7.0	10.0	7.0	9.0
30	16.5	14.5	15.5	9.5	7.0	8.5	8.0	7.0	7.5	9.0	7.0	8.0
31	14.0	13.0	13.5	---	---	---	9.0	7.5	8.0	6.5	4.5	5.5

## 211

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.5	4.0	6.5	16.5	13.0	14.5	19.0	17.5	18.0	23.0	20.5	22.0
2	11.0	4.0	10.0	18.0	15.0	16.0	19.0	15.5	17.5	22.0	18.0	20.0
3	7.5	4.5	5.5	15.5	11.5	13.5	18.5	15.5	17.0	21.0	16.5	18.5
4	5.0	3.0	4.0	15.0	12.0	13.5	20.0	16.5	18.0	21.5	16.5	19.0
5	5.0	2.5	4.0	17.0	14.5	15.5	20.5	18.5	19.0	22.5	18.0	20.0
6	6.0	4.0	5.0	15.5	12.0	13.5	18.5	16.0	17.0	22.5	20.0	21.0
7	6.5	5.0	6.0	14.0	11.0	12.5	17.5	14.0	15.5	21.5	17.0	19.5
8	9.0	6.5	7.5	13.5	9.5	11.5	17.5	14.0	16.0	20.0	16.0	18.0
9	8.0	5.0	7.0	14.0	9.0	11.5	19.5	16.0	17.5	21.0	18.0	19.5
10	12.0	6.5	9.0	14.0	9.5	12.0	21.0	17.0	19.0	21.5	19.5	20.5
11	14.0	4.5	12.0	14.5	9.5	12.0	21.0	18.0	19.5	24.0	20.0	21.5
12	9.0	5.5	7.0	14.5	9.5	12.0	22.5	18.5	20.5	22.5	17.5	20.0
13	7.0	4.5	5.5	15.0	11.0	13.0	23.0	19.5	21.5	23.0	18.0	20.5
14	9.0	5.5	7.0	16.0	11.0	13.0	21.5	19.5	20.5	23.5	19.0	21.0
15	11.0	7.0	9.0	15.5	9.5	12.5	20.5	18.0	19.5	24.0	20.5	22.0
16	13.0	9.5	11.5	15.5	12.0	13.5	19.5	15.5	17.5	22.0	18.5	20.5
17	14.5	12.0	13.0	14.0	8.5	11.5	20.5	16.0	18.5	23.0	19.0	21.0
18	14.0	13.5	13.5	14.5	11.0	13.0	22.0	17.5	20.0	24.5	20.0	22.0
19	16.0	13.5	14.5	13.5	11.0	12.0	23.5	19.5	21.5	24.5	22.5	23.5
20	16.0	13.5	15.0	12.5	8.5	10.5	23.5	20.0	21.5	24.0	20.5	23.0
21	15.5	12.0	14.0	12.5	8.0	10.5	20.5	16.5	18.5	22.5	18.5	20.0
22	14.5	11.0	13.0	12.0	10.5	11.0	18.5	16.0	17.5	23.5	17.5	20.0
23	15.5	13.0	14.0	10.5	9.5	9.5	22.0	18.0	19.5	24.0	18.5	21.5
24	14.0	11.0	12.5	13.5	8.5	11.0	22.5	20.0	20.5	25.0	20.0	22.5
25	13.5	9.5	11.5	15.0	10.0	12.5	21.0	17.0	19.0	25.0	21.5	23.0
26	15.0	10.0	12.5	16.0	11.0	13.5	21.5	16.5	19.0	24.0	22.0	23.0
27	15.0	11.0	13.0	16.5	12.5	14.5	23.0	17.5	20.5	24.5	22.5	23.5
28	14.5	9.5	12.0	18.0	13.5	15.5	24.0	19.0	21.5	25.0	22.5	24.0
29	---	---	---	17.5	13.5	15.5	24.5	20.5	22.5	24.5	22.5	23.5
30	---	---	---	19.0	16.0	17.0	24.5	21.0	22.5	25.0	23.0	24.0
31	---	---	---	21.0	16.0	18.5	---	---	---	25.5	24.5	25.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE												
1	25.5	24.0	25.0	24.0	23.0	23.5				---	---	---
2	26.0	24.0	25.5	23.0	22.5	23.0				---	---	---
3	27.5	23.5	25.0	23.0	22.5	22.5				25.5	24.0	25.

## BROAD RIVER BASIN

02176830 GREAT SWAMP CANAL NO. 2 NEAR RIDGELAND, S.C.

LOCATION.--Lat 32°31'08", long 81°02'29", Jasper County, Hydrologic Unit 03050208, at bridge on South Carolina Secondary Highway 115, 4.4 mi (7.1 km) northwest of Ridgeland.

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
MAR 05...	0940	.40	119	6.2	15.0	3.7	29	7.1	2.8	90
AUG 26...	1230	15	52	4.3	23.5	4.9	11	2.7	1.0	138
SEP 03...	1330	5.0	54	4.3	24.0	4.8	11	2.7	1.0	252
DATE	AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)
MAR 05...	.12	.10	--	--	--	--	--	--	--	--
AUG 26...	.19	5.6	.05	.20	.010	.03	.06	.020	.020	.06
SEP 03...	.34	3.4	.09	.40	.010	.03	.10	.020	.020	.06

## BROAD RIVER BASIN

213

02176845 GREAT SWAMP CANAL NO. 1 NEAR RIDGELAND, S.C.

LOCATION.--Lat 32°31'11", long 81°02'28", Jasper County, hydrologic unit 03050208, at bridge on South Carolina Secondary Highway 115, 5.4 mi (8.6 km) northwest of Ridgeland.

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JAN 09...	1015	.60	94	4.3	5.0	8.5	19	4.0	2.1	78
FEB 05...	1050	.90	100	3.9	3.0	10.5	5	1.0	.5	87
MAR 05...	1010	4.6	96	3.7	15.0	6.4	14	3.0	1.6	92
APR 17...	0950	1.0	75	4.1	16.0	5.6	8	1.7	1.0	98
AUG 26...	1305	25	59	4.0	23.5	4.1	7	1.7	.7	136
SEP 03...	1440	5.0	60	3.9	25.0	4.1	7	1.6	.8	251
DATE		SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
JAN 09...		.11	.13	--	--	--	--	--	--	--
FEB 05...		.12	.21	--	--	--	--	--	--	--
MAR 05...		.13	1.1	--	--	--	--	--	--	--
APR 17...		.13	.26	--	--	<.010	--	.01	.050	<.010
AUG 26...		.18	9.2	.02	.10	.010	.03	.03	<.010	<.010
SEP 03...		.34	3.4	.03	.10	.010	.03	.04	<.010	<.010

## BROAD RIVER BASIN

02176875 GREAT SWAMP NEAR RIDGELAND, S.C.

LOCATION.--Lat 32°29'45", long 81°01'97", Jasper County, Hydrologic Unit 03050208, at upstream side of bridge on State Road 39 and 2.4 mi (3.9 km) northwest of Ridgeland.

DRAINAGE AREA.--48.8 mi<sup>2</sup> (126.4 mi<sup>2</sup>)

## WATER DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 35 ft (10.6 m) (from topographic map).

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft<sup>3</sup>/s (38.5 m<sup>3</sup>/s) Mar. 13, 1980, gage height, 6.18 ft (1.884 m); no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 644 ft<sup>3</sup>/s (18.2 m<sup>3</sup>/s) Aug. 20, gage height, 5.70 ft (1.737 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	1.1	2.5	4.8	40	.34	.00	.03	4.6	29
2	.00	.00	.00	.97	4.0	4.2	83	.20	.00	.04	12	24
3	.00	.00	.00	.85	4.8	3.6	85	.11	.00	.39	29	18
4	.00	.00	.00	.97	4.4	3.3	62	.05	.00	.45	20	12
5	.00	.00	.00	.91	3.8	7.7	49	.03	.00	.24	12	8.0
6	.00	.00	.00	.91	3.5	8.3	39	.02	.00	.11	6.5	5.7
7	.00	.00	.00	1.2	3.8	7.0	32	.37	.00	.16	16	4.6
8	.00	.00	.00	1.3	4.2	5.9	25	.57	.00	.16	70	3.5
9	.00	.00	.00	1.2	4.0	5.0	20	.45	.00	.02	126	2.2
10	.00	.00	.00	1.2	3.5	4.2	13	.37	.00	.00	259	1.4
11	.00	.00	.00	1.1	19	3.6	9.0	.39	.00	.00	137	1.0
12	.00	.00	.01	1.1	35	3.1	6.2	.28	1.4	.00	152	.80
13	.00	.00	.01	1.0	31	2.7	4.2	.14	.85	.00	168	.72
14	.00	.00	.01	1.0	25	2.2	2.8	.08	.37	.00	130	.60
15	.00	.00	.02	.97	19	1.9	2.1	.03	.09	.00	96	.50
16	.00	.00	.05	.97	15	2.0	1.6	.01	.02	.00	68	.60
17	.00	.00	.20	.91	12	1.7	1.3	.00	.00	.00	49	.60
18	.00	.00	.24	.80	15	1.9	1.0	.00	.00	.00	222	.50
19	.00	.00	.20	.76	25	4.0	.85	.00	.00	.00	336	.39
20	.00	.00	.20	.80	26	4.0	.76	.00	4.2	.00	528	.37
21	.00	.00	.16	.97	23	3.6	.85	.00	1.3	.01	285	.28
22	.00	.00	.14	1.0	18	6.7	.91	.00	1.5	.00	183	.28
23	.00	.00	.39	1.0	14	24	.80	.00	3.5	.00	128	.24
24	.00	.00	.54	.97	12	25	.76	.00	2.8	.37	105	.20
25	.00	.00	.60	.97	9.0	22	.64	.00	2.0	.37	92	.14
26	.00	.00	.60	.91	7.3	16	.57	.00	1.1	.24	67	.09
27	.00	.00	.68	.85	6.2	12	.50	.00	.72	.14	51	.08
28	.00	.00	1.3	2.1	5.2	9.4	.42	.00	.54	.04	41	.09
29	.00	.00	1.9	3.5	---	6.7	.42	.00	.28	.00	38	.06
30	.00	.00	1.4	3.5	---	8.0	.37	.00	.09	1.0	39	.04
31	.00	---	1.1	3.0	---	13	---	.00	---	3.1	34	---
TOTAL	.00	.00	9.75	38.79	355.2	227.5	484.05	3.44	20.76	6.87	3504.1	115.98
MEAN	.000	.000	.31	1.25	12.7	7.34	16.1	.11	.69	.22	113	3.87
MAX	.00	.00	1.9	3.5	35	25	85	.57	4.2	3.1	528	29
MIN	.00	.00	.00	.76	2.5	1.7	.37	.00	.00	.00	4.6	.04

CAL YR 1980	TOTAL	16462.15	MEAN	45.0	MAX	1220	MIN	.00
WTR YR 1981	TOTAL	4766.44	MEAN	13.1	MAX	528	MIN	.00



## BROAD RIVER BASIN

215

02176875 GREAT SWAMP NEAR RIDGELAND, S.C.--Continued

## WATER-QUALITY RECORDS

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
MAR 05...	0900	13	87	5.2	15.0	5.6	17	2.7	2.4	51
AUG 26...	1145	53	52	4.3	23.5	4.9	11	2.7	1.1	120
SEP 03...	1300	20	57	4.3	24.5	5.4	11	2.5	1.2	236
DATE		SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)
MAR 05...	.07	1.9	--	--	--	--	--	--	--	--
AUG 26...	.16	17.2	.07	.30	.010	.03	.08	.030	.030	.09
SEP 03...	.32	12.7	--	--	<.010	--	.09	.020	.010	.03

## 02177000 CHATTOOGA RIVER NEAR CLAYTON, GA

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C.--Rabon County, Ga., Hydrologic Unit 03060102, 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 Tallulah River. Water-quality sampling site at gaging station. See Water Resources Data for Georgia.

DRAINAGE AREA.--207 mi<sup>2</sup> (536 km<sup>2</sup>).

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

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

GAGE.--Water-stage recorder. Datum of gage is 1,165.6 ft (355.3 m) National Geodetic Vertical Datum of 1929. May 1907 to June 1908, nonrecording gage at site 400 ft (122 m) upstream at different datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years (water years 1940-81), 660 ft<sup>3</sup>/s (18.7 m<sup>3</sup>/s), 43.30 in/yr (1,100 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,000 ft<sup>3</sup>/s (821 m<sup>3</sup>/s) Aug. 30, 1940, gage height, 13.8 ft (4.206 m), from rating curve extended above 4,700 ft<sup>3</sup>/s (133 m<sup>3</sup>/s) on basis of slope-area measurements at gage heights 9.9 and 13.2 ft (3.018 and 4.023 m); minimum, 88 ft<sup>3</sup>/s (2.49 m<sup>3</sup>/s) Oct. 8, 12, 13, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,400 ft<sup>3</sup>/s (96.3 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s) (m <sup>3</sup> /s)		Gage height (ft) (m)	
May 27	1930	*4,120	117	*4.41	1.344

Minimum discharge, 129 ft<sup>3</sup>/s (3.65 m<sup>3</sup>/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	585	286	347	203	184	426	656	295	673	346	186	134
2	399	262	319	194	548	404	554	284	704	401	234	144
3	323	249	298	189	409	380	484	279	1080	627	250	137
4	277	257	278	185	253	389	454	274	1210	417	207	283
5	257	265	264	185	278	574	671	272	1010	352	192	371
6	252	239	260	199	258	468	665	283	814	323	188	1100
7	238	229	253	222	246	418	536	332	710	299	194	767
8	228	225	246	213	237	390	490	299	652	279	213	445
9	220	222	244	208	221	373	476	274	583	265	197	302
10	214	220	261	203	273	362	471	287	533	253	220	244
11	208	214	251	199	1750	350	435	895	500	289	200	217
12	198	208	237	197	863	339	417	499	472	265	190	202
13	191	205	231	194	579	331	402	390	468	261	185	192
14	190	209	226	192	487	327	393	351	545	239	180	183
15	190	224	226	190	422	315	405	365	438	224	172	179
16	190	288	221	187	386	311	370	337	411	220	165	235
17	190	257	219	185	396	308	375	315	390	234	160	218
18	209	337	215	184	1010	312	406	310	374	216	190	179
19	302	303	213	182	1470	343	378	339	367	217	180	164
20	244	264	210	181	965	308	370	407	359	205	165	160
21	211	248	205	215	735	289	374	409	359	194	155	157
22	205	238	195	210	619	298	348	340	328	180	150	153
23	199	243	208	194	713	343	364	311	312	170	145	150
24	205	592	211	182	629	317	415	292	300	169	142	146
25	285	539	218	176	548	302	357	280	316	219	139	142
26	296	377	218	173	504	291	334	286	302	209	136	140
27	237	579	215	174	470	283	325	2200	276	201	133	138
28	298	687	211	179	444	275	314	1620	270	273	132	137
29	320	472	205	172	---	272	308	929	272	217	130	132
30	328	390	217	173	---	1240	306	723	271	196	132	129
31	345	---	221	178	---	953	---	677	---	187	135	---
TOTAL	8034	9328	7348	5918	15897	12291	12853	15154	15299	8147	5397	7280
MEAN	259	311	237	191	568	396	428	489	510	263	174	243
MAX	585	687	347	222	1750	1240	671	2200	1210	627	250	1100
MIN	190	205	195	172	184	272	306	272	270	169	130	129
CFSM	1.25	1.50	1.15	.92	2.74	1.91	2.07	2.36	2.46	1.27	.84	1.17
IN.	1.44	1.68	1.32	1.06	2.86	2.21	2.31	2.72	2.75	1.46	.97	1.31

CAL YR 1980 TOTAL 237001 MEAN 648 MAX 4240 MIN 171 CFSM 3.13 IN 42.59  
WTR YR 1981 TOTAL 122946 MEAN 337 MAX 2200 MIN 129 CFSM 1.63 IN 22.09

02185200 LITTLE RIVER NEAR WALHALLA, S.C.

LOCATION.--Lat 34°50'11", long 82°58'48", Oconee County, Hydrologic Unit 03060101, at downstream side of bridge on State Road 24, 0.5 mi (0.8 km) downstream from Oconee Creek, 3.5 mi (5.6 km) south of Salem, and 6.5 mi (10.5 km) northeast of Walhalla.

DRAINAGE AREA.--72.0 mi<sup>2</sup> (186.5 km<sup>2</sup>).

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

GAGE.--Water-stage recorder. Datum of gage is 807.63 ft (246.166 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--14 years (water years 1968-81), 190 ft<sup>3</sup>/s (5.381 m<sup>3</sup>/s), 35.84 in/yr (910 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,400 ft<sup>3</sup>/s (408 m<sup>3</sup>/s) June 4, 1967, gage height, 12.29 ft (3.746 m); minimum, 15 ft<sup>3</sup>/s (0.42 m<sup>3</sup>/s) July 11-20, Oct. 3-8, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,500 ft<sup>3</sup>/s (42.5 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s) (m <sup>3</sup> /s)		Gage height (ft) (m)	
Mar. 30	1330	*860	24.4	*2.96	0.902

Minimum daily, 29 ft<sup>3</sup>/s (0.708 m<sup>3</sup>/s) Aug. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	376	122	119	77	69	98	164	72	89	55	49	31
2	210	108	111	83	103	80	138	66	128	72	45	30
3	155	103	105	114	83	74	125	66	206	86	42	42
4	125	108	100	111	74	80	117	69	164	74	38	64
5	114	108	100	108	72	128	217	69	168	69	43	57
6	105	98	98	111	69	95	195	66	128	72	38	389
7	100	105	92	114	66	86	158	86	111	77	40	275
8	98	108	92	111	69	80	141	77	103	66	53	155
9	92	105	89	111	62	80	138	72	92	59	42	111
10	89	103	95	108	86	77	132	77	83	53	53	83
11	86	100	89	108	566	74	122	178	77	51	74	66
12	80	98	86	108	240	72	119	108	77	49	51	57
13	77	98	83	117	151	72	117	95	111	49	57	53
14	77	98	83	105	119	69	114	86	148	45	45	51
15	77	111	83	89	105	66	111	86	100	42	40	49
16	77	117	83	83	100	69	105	77	86	45	40	64
17	77	100	80	80	100	64	108	72	74	59	42	51
18	95	117	80	80	255	69	111	69	69	47	42	47
19	236	103	80	83	511	69	105	77	69	47	40	45
20	111	98	77	77	263	64	111	89	66	45	38	45
21	95	92	74	77	181	64	100	80	62	40	37	43
22	89	89	74	72	148	69	95	66	59	37	34	43
23	86	89	77	69	158	86	100	59	55	34	34	40
24	83	158	77	69	138	72	100	55	55	35	35	37
25	128	138	74	66	122	69	89	53	62	62	33	35
26	105	114	72	66	117	66	86	57	55	55	30	35
27	95	225	72	66	108	66	86	263	51	57	30	34
28	125	213	72	66	105	64	80	221	49	43	29	33
29	117	155	74	64	---	66	80	122	53	42	30	31
30	158	132	83	64	---	417	80	98	49	43	30	31
31	148	---	83	64	---	244	---	89	---	53	31	---
TOTAL	3686	3513	2657	2721	4240	2849	3544	2820	2699	1663	1265	2127
MEAN	119	117	85.7	87.8	151	91.9	118	91.0	90.0	53.6	40.8	70.9
MAX	376	225	119	117	566	417	217	263	206	86	74	389
MIN	77	89	72	64	62	64	80	53	49	34	29	30
CFSM	1.65	1.63	1.19	1.22	2.10	1.28	1.64	1.26	1.25	.74	.57	.99
IN.	1.90	1.82	1.37	1.41	2.19	1.47	1.83	1.46	1.39	.86	.65	1.10

CAL YR 1980	TOTAL	77121	MEAN	211	MAX	2050	MIN	53	CFSM	2.93	IN	39.85
WTR YR 1981	TOTAL	33784	MEAN	92.6	MAX	566	MIN	29	CFSM	1.29	IN	17.45

## SAVANNAH RIVER BASIN

02187250 HARTWELL LAKE NEAR HARTWELL, GA.

LOCATION.--Lat 34°21'25", long 82°49'20", Hart County (Ga.)-Anderson County (S.C.), Hydrologic Unit 03060103, 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, and at mile 305.0 (490.7 km).

DRAINAGE AREA.--2,088 mi<sup>2</sup> (5,408 km<sup>2</sup>).

PERIOD OF RECORD.--October 1959 to September 1961 (elevations and contents at end of month), October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1961, recording or nonrecording gage at several sites near dam at same datum.

REMARKS.--Lake is formed by concrete dam with earth embankments at each end; dam completed in 1961. Storage began in February 1961. Usable capacity, 74,430,000,000 ft<sup>3</sup> (2,108,000,000 m<sup>3</sup>) between elevations 625.0 ft (190.50 m) (normal limit of drawdown) and 665 ft (202.7 m) (top of spillway gates). Dead storage below 625.0 ft (190.50 m), 49,400,000,000 ft<sup>3</sup> (1,339,000,000 m<sup>3</sup>). Figures given herein represent usable contents. Elevation of spillway crest, 630.0 ft (192.02 m). Water is used for flood control, generation of power, and in the interest of navigation below Augusta.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 665.47 ft (202.835 m) Apr. 8, 1964; minimum, 626.70 ft (191.018 m) Oct. 16, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 655.89 ft (199.915 m) Apr. 13, June 14, 15; minimum, 647.84 ft (197.462 m) Sept. 30.

Capacity table (elevation, in feet and meters) and  
usable contents (in billions of cubic feet and million of cubic meters)  
(Computed from table prepared by Corps of Engineers)

655.0 ft (199.64 m)	50.02 ft <sup>3</sup> (1,417.0 m <sup>3</sup> )
660.0 ft (201.17 m)	61.66 ft <sup>3</sup> (1,746.0 m <sup>3</sup> )
665.0 ft (202.69 m)	74.43 ft <sup>3</sup> (2,108.0 m <sup>3</sup> )

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	655.71	654.79	654.41	653.47	652.49	654.39	655.03	654.88	655.02	654.77	653.45	649.29
2	655.50	654.84	654.33	653.44	652.47	654.39	655.09	654.86	655.21	654.87	653.47	649.05
3	655.41	654.59	654.22	653.58	652.23	654.42	655.17	654.87	655.36	654.83	653.39	648.93
4	655.46	654.50	654.12	653.70	652.20	654.61	655.21	654.80	655.45	654.85	653.25	648.85
5	655.50	654.40	654.09	653.51	652.11	654.86	655.40	654.73	655.53	654.94	653.00	648.86
6	655.49	654.35	654.13	653.16	652.05	654.81	655.50	654.64	655.62	654.90	652.64	648.93
7	655.38	654.36	654.17	653.06	652.08	654.84	655.52	654.62	655.76	654.82	652.26	649.17
8	655.36	654.41	654.22	653.03	652.11	654.90	655.56	654.51	655.78	654.69	652.26	649.12
9	655.26	654.47	654.21	653.00	652.10	654.87	655.78	654.53	655.79	654.57	652.28	649.06
10	655.16	654.41	654.16	653.00	652.39	654.83	655.79	654.62	655.78	654.63	652.00	649.02
11	655.20	654.33	654.08	653.08	652.89	654.78	655.82	654.78	655.76	654.65	651.83	648.93
12	655.21	654.25	653.92	652.73	652.82	654.77	655.87	654.73	655.85	654.70	651.54	648.96
13	655.13	654.17	653.98	652.53	652.88	654.75	655.68	654.68	655.86	654.51	651.29	648.96
14	655.04	654.09	654.03	652.49	652.93	654.82	655.59	654.60	655.87	654.36	650.95	649.00
15	654.79	654.20	653.97	652.47	652.98	654.87	655.63	654.54	655.78	654.15	650.72	648.97
16	654.77	654.23	653.98	652.38	652.98	654.87	655.61	654.57	655.69	654.13	650.63	648.94
17	654.66	654.22	653.90	652.48	653.03	654.78	655.59	654.61	655.54	654.07	650.37	648.84
18	654.74	654.27	653.79	652.52	653.34	654.82	655.65	654.46	655.43	654.09	650.39	648.74
19	654.89	654.33	653.72	652.61	653.66	654.64	655.70	654.50	655.34	654.13	650.45	648.74
20	654.68	654.35	653.76	652.46	653.79	654.38	655.74	654.78	655.35	654.08	650.33	648.74
21	654.58	654.33	653.77	652.39	653.91	654.42	655.58	654.67	655.35	653.92	650.38	648.61
22	654.55	654.40	653.62	652.29	654.07	654.55	655.57	654.52	655.34	653.88	650.37	648.60
23	654.54	654.44	653.59	652.31	654.06	654.55	655.59	654.54	655.17	653.76	650.38	648.45
24	654.51	654.44	653.57	652.38	654.07	654.56	655.44	654.57	655.04	653.63	650.16	648.29
25	654.59	654.33	653.51	652.44	654.12	654.54	655.46	654.50	654.89	653.68	649.94	648.16
26	654.62	654.14	653.46	652.36	654.18	654.50	655.49	654.59	654.86	653.71	649.86	648.17
27	654.57	654.25	653.53	652.43	654.23	654.48	655.40	654.60	654.84	653.60	649.80	648.19
28	654.63	654.27	653.55	652.41	654.31	654.51	655.26	654.63	654.85	653.47	649.72	648.10
29	654.63	654.35	653.48	652.43	---	654.57	655.24	654.76	654.78	653.46	649.73	647.98
30	654.69	654.38	653.53	652.43	---	654.83	655.01	654.80	654.79	653.42	649.75	647.86
31	654.74	---	653.54	652.42	---	654.91	---	654.83	---	653.42	649.55	---
MAX	655.71	654.84	654.41	653.70	654.31	654.91	655.87	654.88	655.87	654.94	653.47	649.29
MIN	654.51	654.09	653.46	652.29	652.05	654.38	655.01	654.46	654.78	653.42	649.55	647.86
(+)	49.45	48.65	46.82	44.43	48.50	49.82	50.04	49.65	49.56	46.56	38.52	35.19
(*)	-788	-309	-683	-892	1682	493	85	-146	-35	-1120	-3002	-1285
CAL YR 1980	* -285		MAX 664.40		MIN 653.46							
WTR YR 1981	* -519		MAX 655.87		MIN 647.86							

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.  
(\*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

## SAVANNAH RIVER BASIN

219

02187500 SAVANNAH RIVER NEAR IVA, S.C.

LOCATION.--Lat 34°15'20", long 82°44'42", Anderson County, Hydrologic Unit 03060103, on left bank at downstream side of bridge on State Highway 184, 0.5 mi (0.8 km) upstream from Little Generostee Creek, 5.8 mi (9.3 km) southwest of Iva, and at mile 296.5 (477.1 km).

DRAINAGE AREA.--2,231 mi<sup>2</sup> (5,778 km<sup>2</sup>).

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

GAGE.--Water-stage recorder. Datum of gage is 432.26 ft (131.753 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records fair. Flow regulated by powerplants above station, by Burton and Mathis Reservoirs, and by Hartwell Lake (see sta 02187250).

AVERAGE DISCHARGE.--32 years, 4,486 ft<sup>3</sup>/s (127 m<sup>3</sup>/s), 27.31 in/yr (694 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,400 ft<sup>3</sup>/s (1,540 m<sup>3</sup>/s) Mar. 12, 1952, gage height, 12.74 ft (3.883 m); minimum, 75 ft<sup>3</sup>/s (2.12 m<sup>3</sup>/s) Oct. 24, 1961; minimum daily, 78 ft<sup>3</sup>/s (2.21 m<sup>3</sup>/s) Oct. 23, 24, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,800 ft<sup>3</sup>/s (787 m<sup>3</sup>/s) July 24, gage height, 7.99 ft (2.435 m); minimum daily, 134 ft<sup>3</sup>/s (3.79 m<sup>3</sup>/s) Aug. 2.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2150	926	2920	2470	1280	325	1740	3740	1650	1520	159	4760
2	2730	375	4290	2490	2970	954	1690	3050	2700	1580	134	4710
3	2610	430	6570	1030	5800	1740	1720	787	2750	1570	1260	2730
4	1500	1260	5500	255	8130	1780	891	1340	3450	690	4560	3410
5	463	1830	3540	6400	3400	1850	320	2900	4450	245	7300	1510
6	445	1670	873	10400	2820	2270	847	4230	350	2640	8040	250
7	706	1450	629	3920	722	899	1720	2900	234	5830	6910	224
8	981	1040	935	2680	255	315	1740	1790	867	3450	1560	2610
9	1150	463	2080	2150	2290	1600	1720	1780	2570	4530	502	3240
10	1630	395	4650	991	2750	3000	1720	214	2940	1960	5280	3030
11	1420	714	6570	360	3590	3000	926	763	1700	644	4220	2870
12	463	2000	5430	6120	6480	3450	290	1850	1440	139	5490	1280
13	415	3180	622	5880	4390	2970	4960	2400	652	4600	5350	224
14	954	3180	255	2100	873	882	5320	2950	195	3850	6430	1750
15	1870	945	2080	2150	365	290	1910	2450	2220	4270	5600	2620
16	2540	335	1980	3740	1350	1580	1620	1320	2940	5760	2060	2480
17	2040	6000	2270	1070	1870	3100	2850	250	2810	2060	4550	2520
18	1430	3260	3150	420	1560	3100	917	3080	3130	771	2380	2520
19	469	3310	3180	2020	1950	6040	300	5170	3120	184	1660	1000
20	550	2210	779	5170	2540	6690	335	2770	821	2610	4810	224
21	1090	2230	265	3130	963	830	3830	4420	229	3350	2700	1850
22	1420	991	3430	2540	405	300	2400	4260	2940	2170	779	3430
23	1530	250	2610	2520	1850	1790	2560	1450	3240	3500	184	2730
24	1620	2630	2290	714	2210	1810	3340	234	2980	4910	5400	2730
25	945	3710	2270	240	1670	1780	1890	1480	3470	660	6480	2730
26	279	8870	2150	2770	1740	2290	240	2400	1800	280	3430	954
27	515	2820	917	3050	1700	1560	981	4040	714	2570	2090	224
28	1280	2360	250	2800	847	796	5350	7390	184	4210	1650	1810
29	1420	1000	2040	2520	---	279	2900	2210	916	2200	738	3800
30	1320	325	1830	2580	---	963	6400	578	1540	1280	184	3650
31	1290	---	2470	2730	---	2700	---	234	---	675	2280	---
TOTAL	39225	60159	79225	87410	66770	60933	63427	74430	59002	74708	104170	67870
MEAN	1265	2005	2556	2820	2385	1966	2114	2401	1967	2410	3360	2262
MAX	2730	8870	6570	10400	8130	6690	6400	7390	4450	5830	8040	4760
MIN	279	250	250	240	255	279	240	214	184	139	134	224

CAL YR 1980 TOTAL 1741198 MEAN 4757 MAX 20700 MIN 250  
WTR YR 1981 TOTAL 837329 MEAN 2294 MAX 10400 MIN 134

## SAVANNAH RIVER BASIN

02189000 SAVANNAH RIVER NEAR CALHOUN FALLS, S.C.

LOCATION.--Lat 34°04'15", long 82°38'30", Abbeville County, Hydrologic Unit 03060103, 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 mi<sup>2</sup> (7,449 km<sup>2</sup>).

PERIOD OF RECORD.--October 1979 to current year. Mean daily discharge water years 1897, 1900, 1931, 1939-79, average discharge, 44 years, 5,320 ft<sup>3</sup>/s (150.7 m<sup>3</sup>/s). Gage-height records collected at original site 1.0 mi (1.6 km) upstream during 1899-1928 and at present site since 1928 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 363.53 ft (110.804 m) National Geodetic Vertical Datum of 1929. Prior to July 1, 1928, nonrecording gage at railroad bridge 1.0 mi (1.6 km) upstream at altitude 369.0 ft (112.47 m).

REMARKS.--Flow regulated by powerplants above station, by Burton and Mathis Reservoirs, and by Hartwell Lake (see sta 02187250).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.30 ft (3.139 m) Mar. 28, 1980; minimum 0.29 ft (0.088 m) Sept. 13, 21, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--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.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.15 ft (2.789 m) Oct. 3; minimum, 0.29 ft (0.088 m) Sept. 13, 21.

GAGE HEIGHT (FEET ABOVE DATUM). WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
EQUIVALENT MEAN

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.09	2.92	3.02	3.42	2.46	1.10	2.20	3.20	.86	2.00	.40	3.92
2	5.65	1.90	4.46	3.41	2.72	1.49	2.10	3.11	2.65	2.04	.30	3.89
3	4.70	3.37	5.45	2.97	4.13	2.07	2.04	1.70	2.95	2.05	.38	3.43
4	3.72	5.32	5.16	1.92	5.06	2.05	1.75	1.47	3.24	2.02	3.24	2.93
5	2.12	4.54	5.01	4.05	3.58	2.18	.96	2.75	3.92	.48	3.96	2.81
6	2.34	4.08	3.09	5.96	3.03	2.43	1.39	3.19	2.69	2.15	4.82	.46
7	3.32	4.03	2.51	4.40	2.03	1.85	2.00	2.79	.86	3.97	4.60	.30
8	4.08	3.03	2.65	4.22	1.19	1.07	2.00	1.87	.63	3.67	3.66	1.70
9	3.85	1.94	3.45	3.27	2.86	2.12	1.99	2.39	2.28	3.91	.85	3.22
10	4.59	2.16	3.72	2.85	2.98	2.83	1.99	.53	3.16	2.85	2.42	3.15
11	3.65	3.98	5.06	2.19	4.36	2.86	1.69	.76	2.66	2.22	4.21	3.19
12	1.88	3.98	4.87	4.36	4.50	3.04	.88	2.21	2.14	.67	4.29	2.78
13	2.24	3.98	3.90	5.67	4.21	3.05	2.53	1.50	1.94	3.49	4.44	.42
14	4.09	3.98	2.10	3.32	2.18	1.88	4.15	2.77	.77	3.77	4.26	1.38
15	4.49	3.81	2.82	3.02	1.52	1.00	2.96	2.56	1.73	3.64	4.33	2.88
16	4.50	1.99	3.44	3.41	2.24	2.09	1.95	2.29	3.08	3.52	3.16	2.90
17	4.10	3.16	3.54	2.00	2.21	2.87	2.50	.60	3.28	2.08	3.87	2.88
18	3.81	3.96	3.58	1.62	2.17	2.93	1.85	2.52	3.31	2.22	3.11	2.88
19	1.86	3.99	4.36	2.06	3.28	3.48	.76	3.62	3.23	.72	2.53	2.52
20	3.50	4.01	3.69	2.94	3.32	4.74	.66	2.74	2.61	2.51	3.42	.38
21	4.80	3.25	1.91	3.32	2.26	2.31	2.84	3.26	.64	3.52	3.27	.55
22	3.68	2.96	4.01	2.18	1.41	1.01	2.92	3.37	2.30	2.79	2.27	3.09
23	3.44	1.90	3.82	2.55	2.45	2.25	2.13	2.79	3.50	3.50	.37	2.96
24	3.21	2.29	3.48	1.75	2.60	2.29	2.78	.51	3.31	3.49	2.74	2.99
25	2.85	4.26	3.60	.95	2.21	2.20	2.79	.46	3.19	2.69	4.40	2.98
26	1.88	5.08	3.16	2.08	2.15	2.49	.71	2.58	2.64	.74	3.53	2.67
27	2.20	4.73	3.11	3.47	2.13	2.03	.90	3.11	2.04	2.26	2.90	.76
28	3.98	3.66	1.96	2.82	1.85	1.68	3.28	4.60	.43	3.15	2.23	1.81
29	3.39	3.21	2.81	2.69	---	.85	2.93	3.18	.30	3.00	2.18	3.08
30	3.86	2.07	3.18	2.59	---	1.54	3.71	2.53	1.92	2.25	.35	3.13
31	3.34	---	3.38	2.62	---	2.73	---	.64	---	1.98	1.49	---
MEAN	3.56	3.45	3.56	3.03	2.75	2.21	2.11	2.34	2.28	2.56	2.84	2.40
MAX	5.65	5.32	5.45	5.96	5.06	4.74	4.15	4.60	3.92	3.97	4.82	3.92
MIN	1.86	1.90	1.91	.95	1.19	.85	.66	.46	.30	.48	.30	.30

WTR YR 1981 MEAN 2.76 MAX 5.96 MIN .30



## 02194500 CLARK HILL LAKE NEAR CLARKS HILL, S.C.

LOCATION.--Lat 33°39'40", long 82°12'00", Columbia County (Ga.)--McCormick County (S.C.), Hydrologic Unit 03060103, 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 mi<sup>2</sup> (15,900 km<sup>2</sup>), approximately.

PERIOD OF RECORD.--October 1951 to September 1952 (elevations and contents at end of month), October 1952 to current year.

REVISED RECORDS.--WSP 1703: 1953.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1952, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by concrete dam with earth dam at each end; dam completed in 1952. Storage began in December 1951. Usable capacity, 75,360,000,000 ft<sup>3</sup> (2,134,000,000 m<sup>3</sup>) 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), 50,960,000,000 ft<sup>3</sup> (1,443,000,000 m<sup>3</sup>). Figures given herein represent usable contents. Elevation of spillway crest, 300.0 ft (91.44 m). Water is used for flood control, generation of power, and navigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 336.72 ft (102.632 m) Apr. 9, 1964; minimum, 296.48 ft (90.367 m) Feb. 1, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 328.17 ft (100.026 m) Oct. 3; minimum 319.75 ft (97.460 m) Sept. 30.

Capacity table (elevation, in feet and meters) and  
usable contents (in billions of cubic feet and millions of cubic meters)  
(Computed from table prepared by Corps of Engineers)

315.0 ft (96.01 m)	18.73 ft <sup>3</sup>	(530.4 m <sup>3</sup> )
320.0 ft (97.54 m)	30.06 ft <sup>3</sup>	(851.3 m <sup>3</sup> )
325.0 ft (99.06 m)	43.12 ft <sup>3</sup>	(1,221.0 m <sup>3</sup> )
330.0 ft (100.58 m)	58.37 ft <sup>3</sup>	(1,653.0 m <sup>3</sup> )
336.0 ft (102.41 m)	78.84 ft <sup>3</sup>	(2,233.0 m <sup>3</sup> )

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	327.61	326.47	325.29	324.27	322.79	327.75	326.94	325.65	323.94	322.52	321.55	322.06
2	327.89	326.40	325.37	324.15	322.77	327.66	326.93	325.59	323.90	322.45	321.46	322.05
3	328.03	326.29	325.38	324.06	322.80	327.61	326.88	325.56	323.91	322.54	321.24	322.08
4	328.01	326.49	325.46	323.93	322.96	327.55	326.84	325.40	323.98	322.45	321.17	322.07
5	327.98	326.56	325.52	323.85	322.98	327.57	326.91	325.36	324.03	322.37	321.23	322.09
6	327.84	326.50	325.49	323.95	322.95	327.56	326.79	325.34	324.17	322.22	321.41	322.01
7	327.74	326.47	325.39	324.15	322.89	327.52	326.68	325.33	324.23	322.20	321.51	321.83
8	327.72	326.38	325.28	324.12	322.89	327.50	326.65	325.21	324.20	322.27	321.79	321.71
9	327.66	326.33	325.24	324.04	322.78	327.41	326.60	325.16	324.12	322.28	321.70	321.66
10	327.70	326.15	325.32	323.97	323.20	327.38	326.50	325.05	324.14	322.34	321.63	321.63
11	327.68	326.10	325.38	323.91	324.62	327.37	326.46	324.93	324.19	322.18	321.85	321.54
12	327.61	326.04	325.50	323.70	325.48	327.33	326.44	324.86	324.14	322.18	322.03	321.53
13	327.44	325.99	325.53	323.85	326.04	327.32	326.22	324.76	324.07	322.06	322.28	321.43
14	327.38	325.92	325.43	323.83	326.21	327.27	326.47	324.70	323.95	322.11	322.43	321.17
15	327.32	325.93	325.32	323.75	326.24	327.23	326.48	324.67	323.75	322.11	322.60	321.13
16	327.40	325.86	325.33	323.71	326.20	327.14	326.36	324.60	323.66	322.21	322.70	321.10
17	327.37	325.68	325.24	323.58	326.23	327.05	326.28	324.53	323.64	322.15	322.72	321.02
18	327.35	325.78	325.17	323.54	326.41	327.12	326.24	324.32	323.57	322.45	322.97	320.89
19	327.29	325.70	325.25	323.40	326.94	327.19	326.19	324.35	323.59	322.36	322.88	320.84
20	327.25	325.66	325.15	323.39	327.43	327.24	325.94	324.38	323.57	322.17	322.72	320.67
21	327.30	325.57	324.98	323.44	327.63	327.25	325.91	324.26	323.49	322.19	322.76	320.48
22	327.24	325.45	324.92	323.47	327.68	327.27	325.92	324.29	323.27	322.20	322.72	320.41
23	327.17	325.39	324.91	323.35	327.75	327.17	325.86	324.32	323.23	322.14	322.60	320.36
24	327.08	325.30	324.95	323.28	327.80	327.15	325.83	324.23	323.26	322.10	322.42	320.30
25	326.98	325.29	324.82	323.17	327.83	327.08	325.82	324.03	323.22	322.16	322.50	320.22
26	326.89	325.29	324.69	323.01	327.80	327.03	325.74	323.96	323.19	322.08	322.60	320.14
27	326.72	325.54	324.64	323.05	327.75	326.99	325.57	323.97	323.09	321.91	322.55	320.04
28	326.71	325.53	324.58	323.05	327.71	326.86	325.56	324.03	322.98	321.89	322.46	319.85
29	326.68	325.49	324.40	322.94	---	326.83	325.59	324.08	322.78	321.90	322.39	319.79
30	326.61	325.41	324.35	322.84	---	326.76	325.56	324.05	322.60	321.83	322.30	319.75
31	326.55	---	324.30	322.81	---	326.78	---	323.99	---	321.69	322.11	---
MAX	328.03	326.56	325.53	324.27	327.83	327.75	326.94	325.65	324.23	322.54	322.97	322.09
MIN	326.55	325.29	324.30	322.81	322.77	326.76	325.56	323.96	322.60	321.69	321.17	319.75
(+)	47.85	44.37	41.30	37.40	51.39	48.55	44.83	40.49	36.85	34.47	35.57	29.49
(*)	-855	-1343	-1146	-1456	5783	-1060	-1435	-1620	-1400	-889	411	-2346

CAL YR 1980 \* -166 MAX 334.82 MIN 324.30

WTR YR 1981 \* -655 MAX 324.03 MIN 319.75

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.

(\*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

## SAVANNAH RIVER BASIN

02196250 HORN CREEK NEAR COLLIERS, S.C.

LOCATION.--Lat 33°42'55", long 81°56'23", Edgefield County, Hydrologic Unit 03060107, on County Road 76 bridge 5.1 mi (8.2 km) south of Edgefield and 3.5 mi (5.6 km) northeast of Ropers Crossroads.

DRAINAGE AREA.--13.9 mi<sup>2</sup> (36.0 km<sup>2</sup>).

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 320 ft (97.5 m) (from topographic map).

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,270 ft<sup>3</sup>/s (64.3 m<sup>3</sup>/s) Feb. 11, gage height, 7.51 ft (2.289 m), from rating curve extended above 200 ft<sup>3</sup>/s (5.66 m<sup>3</sup>/s); minimum daily 0.92 ft<sup>3</sup>/s (0.026 m<sup>3</sup>/s) Sept. 26, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	6.4	5.2	6.6	6.9	8.8	17	4.0	11	2.5	3.1	1.5
2	12	5.8	5.2	6.6	14	9.6	14	3.8	5.4	3.8	3.5	1.7
3	7.6	5.7	5.5	6.4	9.6	8.6	11	3.7	5.7	3.8	3.5	1.8
4	6.4	9.3	5.2	6.3	8.2	8.6	9.9	3.7	8.0	3.6	3.0	1.9
5	6.1	7.0	5.7	6.4	7.8	13	9.9	3.6	5.4	3.7	2.4	2.1
6	6.1	5.5	5.4	6.4	7.4	10	9.6	3.5	4.3	3.4	2.1	1.9
7	6.0	5.1	5.8	10	8.0	9.3	8.8	4.6	20	2.9	2.0	1.8
8	5.7	5.2	6.4	8.0	8.6	8.6	8.4	4.6	18	2.7	2.3	1.8
9	5.4	5.7	5.1	7.2	7.6	8.4	8.2	4.0	8.2	2.6	6.9	1.7
10	5.5	6.1	9.9	6.7	12	8.4	8.2	3.9	5.8	2.2	3.6	1.5
11	5.2	5.7	6.4	6.3	530	8.2	7.6	4.0	4.6	2.1	2.7	1.4
12	5.1	5.7	5.2	6.6	29	8.0	7.2	3.8	4.2	3.9	2.3	1.3
13	5.1	6.0	4.5	9.3	19	8.0	6.9	3.6	4.0	2.7	2.0	1.3
14	5.2	6.1	4.6	6.4	16	7.6	6.7	3.4	3.7	2.4	1.8	1.2
15	5.2	6.9	4.3	7.0	15	7.4	6.7	3.3	3.3	2.2	1.7	1.3
16	5.2	6.9	4.6	7.0	15	7.4	6.6	3.2	3.1	2.0	1.6	2.0
17	5.2	6.1	4.3	6.9	13	7.4	6.4	3.1	2.9	2.7	1.9	1.7
18	5.4	6.4	4.6	6.6	20	10	6.1	3.1	2.8	8.0	3.3	1.5
19	5.5	5.7	5.1	6.9	20	11	5.7	3.0	2.7	5.2	2.8	1.4
20	5.4	5.4	5.2	7.2	16	8.2	5.5	3.0	2.7	3.4	2.3	1.3
21	5.1	5.8	4.6	7.4	14	7.8	5.8	3.2	2.6	2.9	1.8	1.2
22	5.2	5.7	4.9	7.0	13	8.8	5.7	3.0	2.6	2.6	1.8	1.2
23	5.7	5.8	5.5	6.7	12	10	6.0	2.9	2.6	2.4	1.7	1.1
24	6.6	10	5.7	6.1	11	8.6	7.4	2.8	2.5	2.4	1.7	1.1
25	6.6	8.4	5.4	6.3	10	8.2	5.7	2.7	2.5	3.1	1.5	.96
26	6.3	6.6	5.1	6.0	9.3	7.8	5.2	2.7	2.5	3.1	1.5	.92
27	6.4	10	5.5	6.4	8.8	7.4	4.9	5.1	2.5	3.8	1.4	.96
28	7.0	8.4	6.9	8.0	8.8	7.0	4.6	5.4	2.5	2.9	1.4	.96
29	6.4	5.8	6.3	6.9	---	7.0	4.3	3.6	2.4	2.6	1.3	.92
30	8.0	6.0	6.7	6.7	---	8.2	4.3	3.3	2.4	2.6	1.8	.92
31	7.2	---	6.9	7.2	---	7.8	---	3.5	---	2.8	1.9	---
TOTAL	202.8	195.2	171.7	215.5	870.0	265.1	224.3	111.1	150.9	97.0	72.6	42.34
MEAN	6.54	6.51	5.54	6.95	31.1	8.55	7.48	3.58	5.03	3.13	2.34	1.41
MAX	19	10	9.9	10	530	13	17	5.4	20	8.0	6.9	2.1
MIN	5.1	5.1	4.3	6.0	6.9	7.0	4.3	2.7	2.4	2.0	1.3	.92

WTR YR 1981 TOTAL 2618.54 MEAN 7.17 MAX 530 MIN .92

## 02197000 SAVANNAH RIVER AT AUGUSTA, GA.

LOCATION.--Lat 33°22'25", long 81°56'35", Richmond County, Hydrologic Unit 03060106, 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).

DRAINAGE AREA.--7,508 mi<sup>2</sup> (19,446 km<sup>2</sup>), including that of Butler Creek.

## WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1303: 1927-39 (monthly runoff). WSP 1433: 1888, 1896-99, 1902-03, 1906-07, and 1932 (M).

GAGE.--Water-stage recorder. Datum of gage is 96.58 ft (29.438 m) National Geodetic Vertical Datum of 1929 (Corps 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 gage at Fifth Street Bridge at datum 102.06 ft (31.108 m) NGVD (levels by Southeastern Engineering Co.). Oct. 1, 1932, to Sept. 30, 1936, recording gage at Thirteenth Street bridge at datum 104.56 ft (31.870 m) NGVD (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.

REMARKS.--Records good. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500) and by other powerplants above station.

AVERAGE DISCHARGE.--74 years (water years 1884-91, 1897-1906, 1926-81), 10,200 ft<sup>3</sup>/s (289 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 350,000 ft<sup>3</sup>/s (9,910 m<sup>3</sup>/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 ft<sup>3</sup>/s (18.4 m<sup>3</sup>/s) Sept. 24, 1939, from rating curve extended below 1,400 ft<sup>3</sup>/s (39.6 m<sup>3</sup>/s); minimum daily, 1,040 ft<sup>3</sup>/s (29.5 m<sup>3</sup>/s) Oct. 2, 1927.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known occurred in 1796, discharge 360,000 ft<sup>3</sup>/s (10,200 m<sup>3</sup>/s) gage height, 40 ft (12.2 m), marked by local residents (at site and datum of Fifth Street gage), by conveyance-slope study.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,700 ft<sup>3</sup>/s (501 m<sup>3</sup>/s) Feb. 12, gage height, 14.70 ft (4.481 m); minimum daily, 5,120 ft<sup>3</sup>/s (145 m<sup>3</sup>/s) June 14.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7060	7250	6260	6450	6560	6090	6580	5540	7020	5200	5430	5560
2	7210	6370	6620	6320	6320	5990	7120	5690	6630	5170	5450	5650
3	7940	6110	6200	6370	7000	6320	6940	5740	6580	5290	5330	6140
4	7130	6540	7760	6470	7340	6400	6890	5450	6430	5780	5480	6800
5	6440	7130	8880	6390	7400	6580	6580	5530	6740	5650	5410	5990
6	6240	7000	6840	7140	7160	6580	6260	5560	7140	5560	5430	5680
7	6100	6960	6020	7220	6930	6320	6140	5490	7120	5410	5410	5640
8	5900	6910	5920	6820	6470	6230	6130	5690	7060	5550	5390	5510
9	6200	6560	6430	6680	5720	6140	6180	5970	7390	5760	5720	5580
10	6450	6140	7100	6860	5960	6060	6030	5670	7390	5960	5580	5680
11	6390	6610	6910	6790	9570	6320	6240	5510	6230	5750	6200	5820
12	6220	7160	6650	6420	15600	6580	6090	5500	5170	5420	6190	6230
13	6030	7250	6540	7610	14000	6580	5930	5410	5490	5500	6260	5850
14	6050	7160	6130	7530	7410	6320	6030	5650	5120	5390	6340	5720
15	6190	7210	6020	6630	5410	6060	5920	5620	5230	5630	6110	5730
16	6880	6860	6350	6320	5620	5800	5700	5590	5330	5530	5780	6120
17	6730	6390	6360	7010	6000	5800	5980	5800	6650	5490	5620	6030
18	6790	8960	6160	7160	6440	6940	6350	5710	6350	5430	5580	5870
19	6550	7080	6660	6200	6950	7210	6200	5600	6670	6710	5540	5980
20	5900	7250	6560	6200	6510	6400	5760	6630	6230	6370	5350	5980
21	6180	7320	6550	6270	6900	6140	6990	5850	5800	5810	5530	6250
22	6020	6720	7150	6670	6660	6140	6700	5770	5550	5700	5970	5710
23	6660	6470	6770	6340	6540	6400	6200	5620	5630	5480	5750	5510
24	6470	6320	6070	6380	6080	6320	6200	5640	6060	5410	5480	5630
25	6550	6530	6260	6640	6090	6230	6000	5460	5980	5520	5580	5830
26	6680	6800	6290	6130	6380	6140	5820	5390	5890	5570	5630	5780
27	6400	7730	6650	6750	6570	6230	5690	5500	5980	5450	5530	5950
28	6710	6800	6660	6730	6320	6760	5710	5970	5980	5490	5650	5880
29	6380	7090	6260	6370	---	7300	5590	6020	5890	5490	5680	5670
30	6710	6790	6090	6590	---	7120	5410	5920	5390	5330	5620	5420
31	7410	---	6230	7320	---	6580	---	5920	---	5410	5670	---
TOTAL	202570	207470	203350	206780	201910	198080	185360	176410	186120	173210	175690	175190
MEAN	6535	6916	6560	6670	7211	6390	6179	5691	6204	5587	5667	5840
MAX	7940	8960	8880	7610	15600	7300	7120	6630	7390	6710	6340	6800
MIN	5900	6110	5920	6130	5410	5800	5410	5390	5120	5170	5330	5420
CAL YR 1980	TOTAL	4270700	MEAN	11670	MAX	46000	MIN	5900				
WTR YR 1981	TOTAL	2292140	MEAN	6280	MAX	15600	MIN	5120				

## SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1949 to September 1950, February 1968 to September 1972, July 1973 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1973 to current year.

INSTRUMENTATION.--Servo Programmer since October 1973.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.5°C Aug. 14-17, 1981; minimum, 4.5°C Feb. 19, 20, 1979.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 26.5°C Aug. 14-17; minimum, 6.5°C Feb. 13.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.0	19.5	19.5	18.5	18.0	18.0	13.5	12.5	13.0	---	---	---
2	20.5	20.0	20.0	18.5	18.0	18.5	14.0	13.0	13.5	---	---	---
3	21.5	20.5	21.0	18.5	18.0	18.5	14.0	13.5	14.0	---	---	---
4	21.5	21.0	21.0	18.5	18.0	18.5	14.0	13.0	13.5	---	---	---
5	21.0	20.5	20.5	18.5	18.0	18.5	13.5	12.5	13.0	---	---	---
6	20.5	19.5	20.0	18.0	18.0	18.0	13.0	12.5	13.0	---	---	---
7	20.0	19.5	20.0	18.0	17.0	17.5	13.5	12.5	13.0	---	---	---
8	20.5	20.0	20.0	18.0	17.0	17.5	14.0	13.5	13.5	---	---	---
9	21.0	20.5	20.5	18.5	17.5	18.0	14.5	13.5	14.0	---	---	---
10	22.0	21.0	21.5	18.5	18.0	18.5	15.0	14.5	15.0	8.5	8.5	8.5
11	22.0	21.5	22.0	18.5	18.0	18.0	15.0	14.5	15.0	8.5	8.0	8.5
12	22.5	21.5	22.0	18.0	17.0	17.5	14.5	14.0	14.5	8.0	7.5	7.5
13	22.0	20.5	21.0	17.0	16.5	16.5	14.0	13.5	14.0	7.5	6.5	7.0
14	21.0	20.0	20.5	17.0	16.5	16.5	14.0	14.0	14.0	8.0	7.0	7.5
15	20.5	20.0	20.5	17.5	17.0	17.0	14.5	13.5	14.0	8.5	7.5	8.0
16	21.5	20.5	20.5	17.5	17.5	17.5	---	---	---	9.0	8.0	8.5
17	22.0	20.5	21.5	17.5	16.5	17.0	---	---	---	8.5	8.0	8.0
18	22.0	21.5	22.0	16.5	15.5	16.0	---	---	---	8.0	7.0	7.5
19	22.5	21.5	22.0	16.0	15.5	15.5	---	---	---	8.0	7.0	7.5
20	22.0	21.5	22.0	15.5	15.0	15.0	---	---	---	8.0	7.5	8.0
21	21.5	21.0	21.0	15.5	15.0	15.0	---	---	---	8.5	7.5	8.0
22	21.0	20.5	20.5	15.0	15.0	15.0	---	---	---	8.5	8.0	8.0
23	20.5	20.0	20.0	15.0	14.5	15.0	---	---	---	9.0	8.0	8.5
24	19.5	19.0	19.5	15.5	15.0	15.5	---	---	---	8.5	8.0	8.5
25	19.0	18.0	18.5	16.0	15.5	16.0	---	---	---	9.0	8.0	8.5
26	18.5	18.0	18.0	16.0	15.0	15.5	---	---	---	9.5	8.5	9.0
27	18.5	18.0	18.0	15.0	14.5	14.5	---	---	---	9.5	9.0	9.0
28	18.5	18.0	18.5	14.5	13.5	14.0	---	---	---	10.0	9.5	9.5
29	19.0	18.5	19.0	13.5	13.5	13.5	---	---	---	10.0	9.5	9.5
30	19.0	18.5	19.0	13.5	13.0	13.5	---	---	---	9.5	8.5	9.0
31	19.0	18.0	18.5	---	---	---	---	---	---	8.5	8.0	8.0





## SAVANNAH RIVER BASIN

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.  
(Hydrologic bench-mark station)

LOCATION.--Lat 33°23'05", long 81°37'00", Aiken County, Hydrologic Unit 03060106, at downstream side of bridge on U.S. Highway 278, 0.4 mi (0.6 km) upstream from Johnson Fork Creek, and 4.6 mi (7.4 km) southeast of New Ellenton.

DRAINAGE AREA.--87.0 mi<sup>2</sup> (225.3 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 120 ft (37 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--15 years, 111 ft<sup>3</sup>/s (3.144 m<sup>3</sup>/s), 17.33 in/yr (440 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 420 ft<sup>3</sup>/s (11.9 m<sup>3</sup>/s) Aug. 17, 1971, gage height, 8.00 ft (2.438 m); minimum, 57 ft<sup>3</sup>/s (1.61 m<sup>3</sup>/s) May 25, 26, June 17, 18, 23, 24.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft<sup>3</sup>/s (7.08 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s) (m <sup>3</sup> /s)	Gage height (ft) (m)	Date	Time	Discharge (ft <sup>3</sup> /s) (m <sup>3</sup> /s)	Gage height (ft) (m)
Feb. 11	1000	*308 8.72	*7.10 2.164	June 7	2300	260 7.36	6.71 2.045
June 1	0700	292 8.27	6.71 2.045				

Minimum discharge, 57 ft<sup>3</sup>/s (1.61 m<sup>3</sup>/s) May 25, 26, June 17, 18, 23, 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	178	112	105	100	87	79	154	85	216	73	91	97
2	141	105	106	96	131	90	136	84	111	96	132	89
3	119	104	103	95	95	91	109	83	137	94	118	92
4	111	127	101	95	84	92	102	82	162	83	90	91
5	105	122	102	92	81	131	103	80	114	77	84	89
6	102	109	102	93	80	104	106	79	86	73	81	90
7	99	105	103	111	85	98	99	87	151	72	85	88
8	98	105	101	102	85	96	97	99	172	70	89	87
9	96	104	100	97	79	94	94	84	101	69	88	86
10	96	103	110	94	82	93	93	82	85	68	94	85
11	94	101	109	93	254	92	92	81	75	67	121	84
12	92	101	102	92	145	91	92	76	76	86	100	84
13	92	101	100	91	109	91	91	74	72	72	182	85
14	92	102	99	92	99	91	90	73	68	68	105	85
15	92	116	99	92	93	90	99	71	66	71	93	87
16	93	127	102	90	89	91	94	71	63	79	89	99
17	94	115	102	90	87	90	93	71	61	76	100	99
18	96	113	99	90	112	113	92	69	61	90	95	92
19	97	107	98	90	120	131	90	74	64	96	92	90
20	95	104	98	89	109	104	90	71	70	78	92	89
21	92	103	95	95	95	99	94	71	64	73	92	89
22	93	101	94	92	88	107	96	65	68	69	105	88
23	97	101	140	90	87	115	99	64	63	69	93	87
24	118	111	119	88	84	102	131	62	75	71	93	86
25	113	112	108	87	81	98	102	60	87	73	88	87
26	105	106	101	87	80	95	94	60	74	80	86	86
27	102	123	103	86	79	94	90	88	89	79	85	86
28	104	118	115	92	78	92	88	106	68	84	85	86
29	108	110	109	86	---	92	86	69	64	81	92	86
30	143	107	105	88	---	103	86	61	63	76	91	87
31	131	---	104	89	---	101	---	70	---	83	97	---
TOTAL	3288	3275	3234	2864	2778	3050	2982	2352	2726	2396	3028	2656
MEAN	106	109	104	92.4	99.2	98.4	99.4	75.9	90.9	77.3	97.7	88.5
MAX	178	127	140	111	254	131	154	106	216	96	182	99
MIN	92	101	94	86	78	79	86	60	61	67	81	84
CFSM	1.22	1.25	1.20	1.06	1.14	1.13	1.14	.87	1.05	.89	1.12	1.02
IN.	1.41	1.40	1.38	1.22	1.19	1.30	1.28	1.01	1.17	1.02	1.29	1.14
CAL YR 1980 TOTAL	43297			MEAN 118	MAX 348	MIN 89	CFSM 1.36	IN 18.51				
WTR YR 1981 TOTAL	34629			MEAN 94.9	MAX 254	MIN 60	CFSM 1.09	IN 14.81				



02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTANTANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
OCT										
09...	1315	132	--	--	17.0	--	--	--	--	--
NOV										
18...	1215	146	12	6.0	13.0	9.4	95	155	--	--
DEC										
09...	1325	134	--	--	15.0	--	--	--	--	--
JAN										
16...	1000	129	15	6.1	9.0	11.1	K157	--	2	0
FEB										
06...	1000	128	--	--	9.0	--	--	--	--	--
MAR										
06...	1015	136	14	6.0	12.5	8.3	102	95	2	--
APR										
17...	1200	1170	--	--	17.5	--	--	--	--	--
MAY										
15...	0915	115	14	5.6	18.0	8.3	117	199	4	--
JUN										
04...	1030	226	--	--	21.0	--	--	--	--	--
JUL										
30...	1015	114	14	6.1	21.0	7.2	--	--	2	--
AUG										
27...	1130	118	--	--	20.0	--	--	--	--	--
SEP										
01...	0915	131	14	5.6	20.0	7.7	48	713	3	--

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT										
09...	--	--	--	--	--	--	--	--	--	--
NOV										
18...	--	--	--	--	--	.2	1.5	2.3	.0	--
DEC										
09...	--	--	--	--	--	--	--	--	--	--
JAN										
16...	.5	.3	1.6	57	.4	.1	1.4	2.1	<.1	7.7
FEB										
06...	--	--	--	--	--	--	--	--	--	--
MAR										
06...	.5	.3	1.4	52	.4	.3	1.1	1.7	<.1	6.2
APR										
17...	--	--	--	--	--	--	--	--	--	--
MAY										
15...	.5	.6	1.9	52	.5	.2	.8	1.8	<.1	7.6
JUN										
04...	--	--	--	--	--	--	--	--	--	--
JUL										
30...	.4	.3	1.6	58	.5	.2	.8	2.2	<.1	7.8
AUG										
27...	--	--	--	--	--	--	--	--	--	--
SEP										
01...	.6	.3	1.3	49	.3	.2	.6	2.1	<.1	7.3

## SAVANNAH RIVER BASIN

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 09...	--	--	--	--	--	--	2	.71	80
NOV 18...	18	--	.02	7.1	.20	.020	14	5.5	50
DEC 09...	--	--	--	--	--	--	2	.72	80
JAN 16...	12	17	.02	4.2	.28	.010	17	5.9	48
FEB 06...	--	--	--	--	--	--	4	1.4	47
MAR 06...	18	14	.02	6.6	.24	.050	1	.37	87
APR 17...	--	--	--	--	--	--	1	3.2	50
MAY 15...	10	15	.01	3.1	.22	.020	3	.93	42
JUN 04...	--	--	--	--	--	--	12	7.3	47
JUL 30...	27	16	.04	8.3	.20	.020	--	--	--
AUG 27...	--	--	--	--	--	--	3	.96	50
SEP 01...	15	15	.02	5.3	.23	.010	2	.71	60

DATE	TIME	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDO, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 18...	1215	<.10	<1	<.10	<.01	<.1	<.10	<1.0	<.01	<.01	<.1

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 18...	<.01	1.0	<.01	7.6	<.01	<.01	<.1	<.01	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
NOV 18...	<.01	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)		
NOV 18...	<.01	<.01	<.01	<.10	<1.0	<.01	.00	.00	.00		
DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)				
NOV 18...	1215	0	100	0	30	2	270				
MAY 15...	0915	0	<50	1	10	5	330				
DATE	TIME	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)			
NOV 18...	1	1	10	<.1	0	0	20	.00			
MAY 15...	1	1	10	<.1	0	0	50	<.01			
DATE	TIME	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED TOTAL (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED TOTAL (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED TOTAL (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
NOV 18...	1215	1.8	.5	2.6	.8	1.1	<.4	1.1	<.4	1.3	.03

## SAVANNAH RIVER BASIN

02197309 TIMS BRANCH AT ROAD C AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°17'12", long 81°41'45", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, on left upstream end of metal culvert, 30 ft (9 m) northeast of SRP Road C and 300 ft (91 m) northwest of Upper Three Runs Creek.

DRAINAGE AREA.--17.5 mi<sup>2</sup> (45.3 km<sup>2</sup>).

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

GAGE.--Water-stage recorder. Altitude of gage is 140 ft (43 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, Mar. 5 to May 4, which are poor. Flow regulated by Savannah River Plant operations 5 mi (8 km) upstream.

AVERAGE DISCHARGE.--7 years, 5.98 ft<sup>3</sup>/s (0.169 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60.6 ft<sup>3</sup>/s (1.72 m<sup>3</sup>/s) May 29, 1976, gage height, 6.17 ft (1.881 m); minimum daily, 1.0 ft<sup>3</sup>/s (0.028 m<sup>3</sup>/s) September 27, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 45.3 ft<sup>3</sup>/s (1.28 m<sup>3</sup>/s), June 1, gage height, 5.08 ft (1.548 m); minimum daily, 1.0 ft<sup>3</sup>/s (0.028 m<sup>3</sup>/s) Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	4.9	6.3	3.9	4.4	4.0	6.4	2.8	34	2.3	19	8.6
2	8.4	4.1	6.3	3.6	3.9	5.0	5.8	2.7	13	3.0	10	2.8
3	5.3	3.6	5.6	3.5	3.6	5.8	4.9	3.1	6.5	3.0	4.5	3.9
4	4.3	4.6	4.2	3.3	3.4	6.6	3.9	2.8	13	2.6	3.7	4.2
5	3.7	6.3	3.9	3.1	3.3	5.4	4.0	2.6	8.5	2.4	4.4	3.9
6	3.4	4.5	3.6	3.2	3.6	4.9	3.9	2.6	5.1	2.3	4.5	3.4
7	3.5	4.5	3.7	5.2	3.4	4.3	3.7	3.1	7.9	2.2	5.0	3.5
8	3.6	4.3	3.7	11	3.2	4.1	3.6	3.1	17	5.4	6.7	3.9
9	3.7	4.1	3.7	5.4	4.9	3.9	3.5	2.8	7.7	4.8	8.5	4.2
10	3.1	4.1	4.1	3.8	21	3.8	3.4	2.8	4.9	3.1	2.7	4.7
11	7.5	3.6	4.0	3.5	15	3.7	3.3	2.7	3.9	2.6	2.1	4.3
12	4.1	4.2	3.7	3.4	8.1	3.6	3.3	2.6	4.3	2.3	2.7	4.1
13	2.7	4.2	3.6	3.4	6.1	3.5	3.3	2.6	3.6	2.2	3.6	3.8
14	3.5	3.9	3.3	3.6	5.0	3.5	3.2	2.5	2.9	2.1	11	3.4
15	3.7	4.5	3.4	4.6	4.7	3.5	3.2	2.5	2.6	2.5	2.5	3.4
16	3.1	5.9	3.7	12	9.6	3.5	3.2	2.4	2.5	3.2	3.4	5.1
17	3.1	5.3	4.1	5.7	7.7	4.0	3.2	2.4	2.4	3.9	4.0	2.2
18	3.0	5.7	4.0	8.8	5.2	4.8	3.2	2.5	2.3	3.2	3.0	1.6
19	3.1	5.8	4.0	5.3	4.8	6.2	3.3	2.7	2.3	2.4	5.7	2.0
20	2.7	6.0	3.9	6.7	4.3	5.5	3.5	2.7	2.2	2.2	4.7	2.0
21	2.5	6.1	3.7	5.0	5.7	4.3	3.8	2.6	2.2	2.1	5.7	1.8
22	2.5	5.9	3.6	4.3	4.0	4.3	3.6	2.4	2.1	2.3	7.4	1.6
23	2.8	5.7	7.6	4.1	5.2	4.8	3.5	2.1	2.0	3.9	8.3	1.3
24	3.7	5.9	6.3	3.9	7.0	4.3	3.3	2.1	2.1	5.2	15	1.3
25	4.4	7.5	5.0	4.0	4.5	3.9	3.1	2.0	2.1	4.5	9.7	1.2
26	3.7	7.0	4.2	3.3	3.9	3.6	3.1	2.1	2.0	3.7	2.0	1.1
27	3.3	8.9	4.3	3.5	3.8	3.4	3.3	2.5	1.9	3.8	1.9	1.0
28	5.5	8.0	5.1	3.5	3.8	3.4	3.2	2.8	1.9	3.6	2.1	1.2
29	4.4	6.7	4.9	3.7	---	3.8	3.0	2.3	1.8	3.3	2.4	1.1
30	5.6	6.3	4.7	6.2	---	4.5	2.9	2.1	1.9	3.1	4.3	1.2
31	5.3	---	4.3	5.4	---	5.0	---	3.5	---	5.0	12	---
TOTAL	133.2	162.1	136.5	149.9	163.1	134.9	108.6	80.5	166.6	98.2	182.5	87.8
MEAN	4.30	5.40	4.40	4.84	5.83	4.35	3.62	2.60	5.55	3.17	5.89	2.93
MAX	14	8.9	7.6	12	21	6.6	6.4	3.5	34	5.4	19	8.6
MIN	2.5	3.6	3.3	3.1	3.2	3.4	2.9	2.0	1.8	2.1	1.9	1.0

CAL YR 1980 TOTAL 2058.9 MEAN 5.63 MAX 37 MIN 1.4  
WTR YR 1981 TOTAL 1603.9 MEAN 4.39 MAX 34 MIN 1.0

## 231

LOCATION.--Lat 33°17'08", long 81°41'40", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, on right bank 100 ft (30 m) upstream of SRP Road C, 2.0 mi (3.2 km) east of SRP Road 2.

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

GAGE.--Water-stage recorder. Altitude of gage is 125 ft (38 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 209 ft<sup>3</sup>/s (5.919 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 880 ft<sup>3</sup>/s (24.9 m<sup>3</sup>/s) Mar. 13-14, 1980, gage height, 6.10 ft (1.859 m); minimum daily, 113 ft<sup>3</sup>/s (3.20 m<sup>3</sup>/s) Aug. 25, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 582 ft<sup>3</sup>/s (16.5 m<sup>3</sup>/s), June 8, gage height, 5.42 ft (1.652 m); minimum daily, 114 ft<sup>3</sup>/s (3.23 m<sup>3</sup>/s) July 23.

DAY	OCT	NOV	DEC	JAN	FER	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	420	228	200	205	188	186	291	135	439	136	159	149
2	316	203	198	198	235	207	371	133	447	156	349	135
3	231	193	196	193	262	204	254	130	314	184	366	134
4	200	209	193	192	208	191	195	129	407	169	254	133
5	185	247	192	189	197	271	187	129	378	152	163	133
6	178	220	192	187	193	259	196	127	238	143	143	136
7	174	200	192	215	198	205	182	136	232	139	137	134
8	171	194	193	234	210	192	173	161	515	134	152	134
9	169	193	192	206	199	185	170	154	481	129	147	131
10	166	192	196	197	193	181	167	145	227	126	146	126
11	170	191	208	192	404	178	164	145	184	125	166	123
12	164	188	200	190	530	176	162	140	178	154	171	122
13	162	188	195	187	343	175	158	136	172	157	204	120
14	162	189	191	189	235	174	155	135	161	134	208	120
15	163	202	190	191	219	180	155	133	153	126	155	120
16	164	241	195	191	211	179	159	131	145	124	141	127
17	165	233	204	194	206	174	155	131	139	127	153	134
18	167	220	197	188	235	204	152	132	136	122	156	128
19	171	209	192	192	302	318	148	137	134	138	150	124
20	170	201	190	189	260	256	150	137	138	135	148	122
21	166	199	187	197	224	197	166	142	140	126	151	121
22	166	196	185	202	206	201	165	137	135	118	158	120
23	172	194	244	194	201	238	170	131	131	114	151	120
24	199	205	296	188	199	211	206	129	126	117	152	118
25	219	233	236	184	194	190	197	127	164	136	143	118
26	201	216	209	183	190	179	162	127	172	194	135	117
27	186	225	206	182	188	173	150	135	157	156	140	117
28	187	242	228	188	186	170	143	179	149	189	129	117
29	192	218	240	187	---	167	139	158	133	171	129	117
30	234	205	221	184	---	180	136	140	126	147	143	116
31	271	---	215	193	---	202	---	144	---	146	174	---
TOTAL	6061	6274	6373	6001	6616	6203	5378	4285	6651	4424	5273	3766
MEAN	196	209	206	194	236	200	179	138	222	143	170	126
MAX	420	247	296	234	530	318	371	179	515	194	366	149
MIN	162	188	185	182	186	167	136	127	126	114	129	116
CAL YR 1980	TOTAL	75811	MEAN	207	MAX	702	MIN	122				
WTR YR 1981	TOTAL	67305	MEAN	184	MAX	530	MIN	114				

LOCATION.--Lat 33°14'20", long 81°44'42", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, near right bank on downstream side of bridge at SRP Road A, 2.0 mi (3.2 km) south of SRP Road 2.

PERIOD OF RECORD.--June 1974 to January 1978, October 1978 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 90 ft (27 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--6 years, 268 ft<sup>3</sup>/s (7.590 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,230 ft<sup>3</sup>/s (34.8 m<sup>3</sup>/s) May 29, 1976, gage height, 6.76 ft (2.060 m); minimum daily, 129 ft<sup>3</sup>/s (3.65 m<sup>3</sup>/s) July 23, September 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 620 ft<sup>3</sup>/s (17.6 m<sup>3</sup>/s), Feb. 12, gage height, 5.33 ft (1.624 m); minimum daily, 129 ft<sup>3</sup>/s (3.65 m<sup>3</sup>/s) July 23, September 30, 1981.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	559	311	240	240	227	220	329	161	376	151	189	187
2	444	260	235	230	267	250	460	157	504	176	334	168
3	331	238	230	225	325	252	402	154	435	216	462	158
4	262	247	230	220	277	232	266	153	467	210	388	155
5	233	297	230	220	240	304	246	154	466	185	230	153
6	219	293	230	230	230	341	254	153	358	178	184	159
7	212	255	230	250	240	270	241	160	255	174	169	157
8	207	241	230	290	250	238	225	185	436	159	184	162
9	202	238	230	264	240	227	218	187	575	151	184	157
10	198	234	235	244	290	221	213	171	368	145	180	146
11	200	232	245	235	520	218	208	168	220	144	195	141
12	196	228	235	230	610	216	204	161	200	178	215	138
13	190	227	230	226	430	214	199	154	198	197	227	136
14	191	229	230	227	290	213	193	151	182	165	273	135
15	192	243	230	231	260	217	191	148	170	148	204	134
16	194	289	235	231	250	219	195	143	162	143	175	143
17	195	304	240	234	240	214	192	142	153	147	200	153
18	197	282	235	227	290	229	186	142	148	141	193	149
19	202	265	230	226	360	356	181	148	145	153	183	140
20	203	252	225	231	300	366	181	149	147	163	180	138
21	197	246	225	234	260	263	209	153	154	147	184	137
22	196	274	225	246	250	250	206	148	146	135	192	136
23	202	255	285	237	240	299	210	139	143	129	186	135
24	233	246	330	228	230	287	248	134	136	132	184	133
25	269	242	350	221	225	247	262	131	164	142	175	132
26	257	240	260	219	225	230	206	130	207	231	162	131
27	231	250	250	218	220	221	184	134	175	207	155	132
28	225	275	275	223	220	215	173	175	177	217	151	133
29	232	265	290	226	---	211	168	183	152	214	150	131
30	271	250	265	219	---	223	164	147	141	188	166	129
31	326	---	250	229	---	260	---	142	---	180	218	---
TOTAL	7466	7708	7660	7211	8006	7723	6814	4757	7560	5246	6472	4338
MEAN	241	257	247	233	286	249	227	153	252	169	209	145
MAX	559	311	350	290	610	366	460	187	575	231	462	187
MIN	190	227	225	218	220	211	164	130	136	129	150	129
CAL YR 1980	TOTAL	99157	MEAN 271	MAX 908	MIN 139							
WTR YR 1981	TOTAL	80961	MEAN 222	MAX 610	MIN 129							



## SAVANNAH RIVER BASIN

233

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.

LOCATION.--Lat 33°13'01", long 81°46'04", Aiken County, Hydrologic Unit 03060106, on left bank 1.4 mi (2.3 km) downstream from Upper Three Runs, 15.2 mi (24.5 km) upstream from Steel Creek, 6.2 mi (10.0 km) south of Jackson and at mile 156.8 (252.3 km).

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1971 to current year, discharge below 20,000 ft<sup>3</sup>/s (566 m<sup>3</sup>/s) only.

GAGE.--Water-stage recorder. Datum of gage is 77.0 ft (23.47 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. At times of high flow, bankfull capacity is exceeded in the intervening channel reach.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, Apr. 1, 1980, gage height, 20.74 ft (6.322 m); minimum daily, 5,190 ft<sup>3</sup>/s (147 m<sup>3</sup>/s) July 31, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,300 ft<sup>3</sup>/s (490 m<sup>3</sup>/s) Feb. 13, gage height, 15.16 ft (4.623 m); minimum daily, 5,190 ft<sup>3</sup>/s (147 m<sup>3</sup>/s) July 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8590	8320	6550	6760	7260	6640	7190	5660	7120	5560	5310	5690
2	8100	7360	6450	6750	6620	6530	8060	5630	8250	5440	5620	5660
3	8610	6750	6400	6590	6880	6560	8130	5620	7350	5360	5770	5820
4	8440	6710	6430	6770	7440	6720	7910	5610	7390	5320	5770	6520
5	7210	7470	9410	6590	7650	6890	7440	5580	7480	5390	5740	6360
6	6710	7690	7920	6990	7540	7230	7230	5560	7830	5560	5450	5660
7	6480	7310	6410	7540	7240	7420	6900	5550	7980	5660	5440	5480
8	6300	7250	5880	7430	6890	7160	6750	5530	7910	5480	5330	5340
9	6270	7030	5980	7030	6220	6810	6750	5560	8570	5510	5360	5380
10	6610	6510	6700	6900	5800	6490	6620	5590	8810	5680	5460	5360
11	6680	6500	7030	6900	7850	6530	6490	5600	7760	5690	5750	5440
12	6620	7120	6710	6630	14000	6630	6570	5590	6470	5440	6180	5720
13	6310	7510	6620	6810	17000	6960	6340	5580	6060	5350	6390	5740
14	6230	7460	6280	8120	13900	7140	6290	5560	6050	5330	6470	5560
15	6300	7590	5960	7420	7870	6690	6330	5560	5830	5320	6500	5440
16	6680	7330	6060	6360	6030	6320	6190	5560	5870	5410	6050	5640
17	7150	6960	6380	6620	6150	6040	6180	5560	6440	5310	6050	5820
18	6990	8090	6110	7410	6660	6690	6400	5560	6870	5270	5870	5700
19	6970	8410	6370	6910	7180	8040	6450	5570	6620	5610	5910	5640
20	6380	7370	6550	6100	7620	7470	6390	5590	6560	6590	5560	5660
21	6180	7530	6450	6020	7270	7560	6430	6390	5840	5860	5340	5900
22	6210	7130	6910	6470	7450	7640	7380	5840	5740	5550	5580	5730
23	6470	6560	7350	6520	7160	7390	6710	5780	5680	5360	5770	5390
24	6810	6290	6720	6290	6890	7000	6470	5730	5680	5210	5480	5240
25	6810	6410	6490	6570	6540	6870	6360	5700	6000	5200	5360	5480
26	6930	6610	6490	6620	6540	6680	6120	5640	5770	5410	5430	5640
27	6890	7440	6660	6420	6730	6940	5890	5590	5840	5340	5400	5750
28	7060	7560	7090	6750	7030	6800	5770	5690	6010	5340	5370	5830
29	6970	7000	6460	6760	---	6650	5760	6010	5850	5350	5450	5630
30	7120	6970	6530	6500	---	6680	5720	6090	5680	5320	5500	5460
31	7670	---	6460	7240	---	6680	---	6000	---	5190	5740	---
TOTAL	214750	216240	206310	210890	219410	213850	199220	176080	201310	169410	176400	169680
MEAN	6927	7208	6655	6803	7836	6898	6641	5680	6710	5465	5690	5656
MAX	8610	8410	9410	8120	17000	8040	8130	6390	8810	6590	6500	6520
MIN	6180	6290	5880	6020	5800	6040	5720	5530	5680	5190	5310	5240

WTR YR 1981 TOTAL 2373550 MEAN 6503 MAX 17000 MIN 5190

## SAVANNAH RIVER BASIN

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1971 to current year.

INSTRUMENTATION.--Servo Programmer since October 1971.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.5°C July 21, 1981; minimum, 4.5°C Jan. 19, 20, 22, 23, Feb. 1, 1977, Feb. 9, 1978.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 26.5°C July 21; minimum, 6.0°C Jan. 13-14.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1							---	---	---	10.5	10.0	10.5
2							13.0	13.0	13.0	10.5	10.0	10.0
3							13.0	12.5	13.0	10.0	9.0	9.5
4							13.0	12.5	12.5	9.5	9.0	9.0
5							13.0	12.0	12.5	9.0	8.0	8.5
6							12.5	12.0	12.0	8.5	8.0	8.0
7							12.5	12.0	12.0	8.5	8.0	8.5
8							13.0	12.0	12.5	9.0	8.0	8.5
9							14.0	12.5	13.0	8.5	8.0	8.5
10							14.0	13.5	14.0	8.5	7.5	8.0
11							14.0	13.5	13.5	8.0	7.5	8.0
12							13.5	12.5	13.0	7.5	7.0	7.0
13							12.5	12.0	12.5	7.0	6.0	6.5
14							12.5	12.0	12.5	7.0	6.0	6.5
15							12.0	11.5	12.0	8.0	7.0	7.5
16							12.0	11.5	12.0	8.5	7.5	8.0
17							12.0	11.5	12.0	8.5	7.5	8.0
18							11.5	11.0	11.5	8.0	7.0	7.5
19							11.5	11.0	11.5	7.5	7.0	7.5
20							12.0	11.5	11.5	8.0	7.5	7.5
21							11.5	10.5	11.0	8.0	8.0	8.0
22							10.5	9.5	10.0	8.5	8.0	8.5
23							9.5	9.0	9.5	9.0	8.0	8.5
24							9.5	9.0	9.0	9.0	8.0	8.5
25							9.5	9.0	9.5	9.0	8.0	8.5
26							8.5	8.5	8.5	9.0	8.5	9.0
27							8.5	8.0	8.0	10.0	9.0	9.5
28							8.5	8.0	8.0	10.5	9.5	10.0
29							9.0	8.5	9.0	10.0	9.5	10.0
30							10.0	9.0	9.5	10.0	9.0	9.5
31							10.5	10.0	10.5	9.0	8.0	8.5

## 235

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8.5	7.5	8.0	12.5	11.5	12.0	16.0	15.5	16.0	19.5	18.5	19.0
2	9.0	8.5	8.5	13.0	12.0	12.5	16.5	14.5	15.5	18.5	18.0	18.5
3	8.5	7.5	8.0	13.0	12.0	12.5	16.5	15.0	15.5	18.0	17.0	18.0
4	7.5	7.0	7.5	12.5	12.0	12.0	16.5	15.0	16.0	18.5	17.0	18.0
5	7.0	6.5	7.0	12.5	12.0	12.5	16.5	16.0	16.5	19.0	17.0	18.0
6	7.0	6.5	7.0	12.5	11.5	12.0	16.5	15.0	16.0	19.0	18.5	18.5
7	7.5	7.0	7.5	12.5	11.5	12.0	16.0	14.5	15.5	18.5	17.0	18.0
8	8.0	7.5	8.0	12.0	11.0	11.5	16.0	14.5	15.0	17.5	16.5	17.0
9	8.5	7.5	8.0	12.5	11.0	11.5	16.5	15.0	16.0	17.0	16.5	16.5
10	9.5	8.0	8.5	12.0	11.0	11.5	17.5	16.0	16.5	17.0	16.0	16.5
11	10.0	9.0	9.5	12.0	11.0	11.5	18.0	16.5	17.5	18.0	16.5	17.5
12	9.0	7.5	8.5	12.0	11.0	11.5	18.5	17.0	18.0	18.5	17.5	18.0
13	7.5	7.0	7.0	12.0	11.5	11.5	18.5	17.5	18.0	18.5	17.5	18.0
14	7.5	6.5	7.0	12.5	11.0	11.5	19.0	18.0	18.5	19.0	18.0	18.5
15	9.0	7.5	8.0	12.5	11.0	12.0	18.5	18.0	18.0	19.5	18.5	19.0
16	10.0	9.0	9.5	13.0	12.0	12.5	18.0	16.5	17.0	19.5	18.5	19.0
17	11.0	10.0	10.5	12.5	11.5	12.0	17.5	16.5	17.0	19.0	18.5	19.0
18	11.5	11.0	11.0	12.5	12.0	12.0	18.0	17.0	17.5	19.5	18.5	19.0
19	12.0	11.5	12.0	12.5	11.5	12.0	18.0	17.0	18.0	20.0	19.0	20.0
20	12.5	11.5	12.0	12.0	11.0	11.5	18.5	17.5	18.0	20.0	19.0	19.5
21	12.0	11.5	12.0	12.0	11.0	11.5	18.5	17.0	17.5	19.0	18.0	18.5
22	12.5	11.0	12.0	11.5	11.0	11.5	17.0	16.0	16.5	18.5	17.5	18.0
23	12.5	12.0	12.0	11.0	10.5	11.0	16.5	15.0	16.0	19.5	18.0	18.5
24	12.0	11.0	12.0	11.5	10.5	11.0	17.5	16.5	17.0	20.0	19.0	19.5
25	12.0	11.0	11.5	12.0	10.5	11.5	17.5	16.5	17.0	21.0	19.5	20.0
26	12.0	11.0	11.5	13.0	11.5	12.5	18.0	17.0	17.5	21.0	19.5	20.0
27	12.0	11.5	12.0	14.5	12.5	13.5	18.5	17.5	18.0	20.5	20.0	20.5
28	12.0	11.0	11.5	15.0	13.5	14.0	20.0	18.5	19.0	20.5	19.5	20.0
29	---	---	---	15.5	14.0	14.5	19.5	19.0	19.5	20.5	19.0	20.0
30	---	---	---	16.0	14.5	15.0	19.5	18.5	19.0	20.5	19.5	20.0
31	---	---	---	16.5	14.5	15.5	---	---	---	21.5	20.5	21.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE												
1	22.0	21.0	21.5	23.0	21.5	22.0	22.5	22.0	22.5	24.0	23.0	23.5
2	22.0	21.0	21.5	22.5	20.5	21.5	22.5	22.0	22.0	24.5	23.5	24.0
3	22.5	21.0	21.5	21.5	20.5	21.0	23.0	22.0	22.5	25.0	24.0	24.5
4	23.0	22.0	22.5	21.0	20.0	20.5	24.0	23.0	23.5	24.5	23.5	24.0
5	23.0	22.0	22.5	21.5	20.0	21.0	24.5	23.5	24.0	24.0	23.0	23.5
6	23.5	22.5	23.0	23.0	21.0	22.0	25.0	24.0	24.5	24.0	23.0	23.5
7	23.5	22.5	23.0	24.0	22.5	23.0	25.5	25.0	25.0	24.5	23.5	24.0
8	23.0	21.5	22.5	24.5	23.5	24.0	25.0	24.5	25.0	24.5	23.5	24.0
9	24.0	22.0	23.0	25.0	24.0	24.5	25.0	24.5	24.5	24.5	24.0	24.5
10	24.5	23.5	24.0	25.0	24.0	24.5	25.0	24.0	24.5	24.5	23.5	24.0
11	25.0	23.5	24.0	25.0	24.0	24.5	25.0	24.0	24.5	24.0	23.5	24.0
12	24.5	23.5	24.0	25.0	24.5	24.5	25.5	24.0	24.5	24.0	23.0	23.5
13	25.0	24.0	24.5	25.0	24.5	25.0	25.0	24.5	25.0	24.0	23.0	23.5
14	25.0	24.5	24.5	25.5	25.0	25.5	25.5	24.5	25.0	24.0	23.0	23.5
15	25.0	24.0	24.5	26.0	25.0	25.5	26.0	25.0	25.5	24.5	23.0	24.0
16	24.5	24.0	24.5	26.0	25.0	25.5	26.0	25.0	25.5	24.5	23.5	24.0
17	24.5	23.5	24.0	25.5	24.5	25.5	25.5	25.0	25.5	24.0	23.0	23.5
18	24.5	22.5	23.5	25.5	25.0	25.5	25.5	24.0	24.5	23.5	22.5	23.0
19	23.5	22.0	23.0	25.5	25.0	25.5	24.0	22.5	23.0	22.5	21.5	22.0
20	24.0	22.5	23.5	25.0	24.0	25.0	22.5	22.0	22.0	22.0	21.0	21.5
21	24.0	23.0	23.5	26.5	24.5	25.5	22.0	21.5	22.0	21.5	20.5	21.0
22	24.5	23.5	24.0	26.0	25.0	25.5	22.5	21.5	22.0	22.0	20.5	21.5
23	25.0	24.5	24.5	26.0	25.0	25.5	22.5	22.0	22.0	22.0	21.5	21.5
24	25.0	24.5	24.5	25.5	24.5	25.5	23.5	21.5	22.5	22.0	21.5	22.0
25	24.5	23.5	24.0	25.5	25.0	25.0	23.5	22.5	23.5	22.0	21.5	22.0
26	24.0	22.5	23.5	25.0	24.5	25.0	24.0	23.0	23.5	22.0	21.0	21.5
27	24.0	23.0	23.5	25.0	24.5	25.0	24.0	23.0	23.5	22.0	21.0	21.5
28	23.5	22.5	23.0	25.5	24.5	25.0	23.5	23.5	23.5	22.5	21.5	22.0
29	24.0	22.5	23.0	25.5	25.0	25.5	23.5	23.0	23.5	22.5	21.5	22.0
30	23.5	22.5	22.5	25.5	24.0	24.5	23.5	23.0	23.0	23.0	22.0	22.5
31	---	---	---	24.0	22.5	23.5	24.0	23.0	23.5	---	---	---
YEAR	26.5	6.0	17.0									

02197326 BEAVERDAM CREEK AT 400-D AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°11'12", long 81°45'05", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on downstream side of foot bridge near left bank, 1.0 mi (1.6 km) downstream from Area 400-D.

DRAINAGE AREA.--0.73 mi<sup>2</sup> (1.89 km<sup>2</sup>).

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

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (34 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, Apr. 4 to May 5, which are poor. Flow regulated by Savannah River Plant operations 1.0 mi (1.6 km) upstream.

AVERAGE DISCHARGE.--7 years, 84.4 ft<sup>3</sup>/s (2.390 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 199 ft<sup>3</sup>/s (5.64 m<sup>3</sup>/s) May 28, 1976, gage height, 2.79 ft (0.850 m); minimum daily, 43 ft<sup>3</sup>/s (1.22 m<sup>3</sup>/s) Dec. 9, 10, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 144 ft<sup>3</sup>/s (4.08 m<sup>3</sup>/s), Aug. 1, gage height, 2.53 ft (0.771 m); minimum daily, 67.4 ft<sup>3</sup>/s (1.91 m<sup>3</sup>/s) Nov. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	89	77	80	100	92	99	89	93	104	113	109
2	99	87	79	79	100	91	94	89	90	105	104	109
3	102	87	80	79	101	92	92	90	89	103	106	110
4	102	88	81	80	102	92	93	89	82	104	111	103
5	103	88	81	79	85	92	92	88	94	106	109	92
6	94	88	83	78	101	92	93	87	94	109	108	90
7	87	87	80	80	101	93	94	90	93	108	107	91
8	90	87	80	80	102	93	93	89	94	101	104	94
9	89	87	80	83	103	92	92	88	92	112	104	94
10	90	87	81	84	102	92	93	87	93	111	104	95
11	89	86	81	84	101	91	94	87	93	106	111	94
12	88	80	81	83	100	92	95	87	87	104	109	94
13	86	83	83	83	100	93	95	87	85	103	103	94
14	85	83	80	85	100	92	94	87	84	103	103	94
15	83	86	82	85	98	91	93	88	83	103	106	94
16	91	87	83	84	98	89	94	87	84	103	105	92
17	90	87	77	80	98	88	94	87	83	103	108	93
18	89	85	77	82	95	89	94	87	83	102	104	92
19	85	67	78	82	95	89	94	87	87	101	105	90
20	81	76	78	84	96	89	92	87	93	103	104	90
21	85	78	79	86	95	90	92	87	92	101	106	92
22	83	83	81	87	94	91	94	86	92	100	108	92
23	85	82	80	87	95	90	94	85	94	99	108	90
24	85	84	80	89	94	90	94	85	93	99	108	87
25	82	80	80	92	94	89	93	86	92	103	107	91
26	80	82	80	91	93	89	92	85	114	108	107	92
27	82	85	80	91	92	92	92	85	114	108	108	92
28	82	83	79	94	92	95	91	87	115	108	108	93
29	84	81	80	96	---	94	92	87	110	108	106	92
30	84	76	82	96	---	94	90	89	103	108	107	92
31	92	---	82	96	---	94	---	91	---	109	109	---
TOTAL	2745	2509	2485	2639	2727	2832	2798	2710	2795	3245	3310	2827
MEAN	88.5	83.6	80.2	85.1	97.4	91.4	93.3	87.4	93.2	105	107	94.2
MAX	103	89	83	96	103	95	99	91	115	112	113	110
MIN	80	67	77	78	85	88	90	85	82	99	103	87
CAL YR 1980	TOTAL	31358	MEAN 85.7	MAX 121	MIN 47							
WTR YR 1981	TOTAL	33622	MEAN 92.1	MAX 115	MIN 67							

## SAVANNAH RIVER BASIN

237

02197327 BEAVERDAM CREEK AT MOUTH AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°09'57", long 81°45'55", Barnwell County, Hydrologic Unit 03060106, on left bank 6.1 m (9.8 km) downstream from Upper Three Runs, 10.5 m (16.9 km) upstream from Steel Creek and at mile 152.1.

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1979 to current year.

INSTRUMENTATION.--Servo Programmer since October 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 33.5°C July 11-16, Aug. 5, 1980, July 16, 1981; minimum, 7.5°C Feb. 13-14, 1981.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 33.5°C July 16; minimum, 7.5°C Feb. 13-14.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

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

02197327 BEAVERDAM CREEK AT MOUTH AT SAVANNAH RIVER PLANT, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	15.0	12.0	13.5	22.5	21.5	22.0	25.5	23.5	24.0	27.0	25.5	26.5
2	15.0	13.5	15.0	23.0	21.0	22.0	25.5	22.0	23.5	26.0	24.0	25.0
3	13.5	11.0	12.5	21.0	19.0	20.0	25.5	22.0	24.0	25.5	23.0	24.5
4	11.0	9.5	10.5	21.0	19.5	20.0	26.0	23.5	24.5	26.5	23.0	24.5
5	10.5	9.5	10.0	21.5	19.5	20.5	25.0	23.5	24.5	27.0	24.5	25.5
6	13.5	10.5	12.0	20.5	18.0	19.5	23.0	21.0	22.0	27.0	26.0	26.5
7	16.5	13.5	15.0	20.5	18.5	19.5	21.5	19.0	20.5	26.5	23.0	25.0
8	17.5	16.5	17.0	19.5	18.0	19.0	22.0	19.5	21.0	24.0	22.0	23.0
9	16.5	15.0	16.0	20.5	17.5	19.0	23.0	20.5	22.0	25.5	23.5	24.0
10	19.5	16.5	17.5	20.5	17.5	19.0	24.0	21.5	23.0	26.0	24.5	25.5
11	19.5	16.5	18.5	21.0	18.0	19.5	24.0	22.5	23.5	26.5	25.0	26.0
12	16.0	8.0	12.0	20.5	18.0	19.5	25.0	22.5	23.5	25.5	23.0	24.5
13	8.0	7.5	7.5	20.5	19.0	19.5	27.5	24.0	25.5	27.0	23.5	25.5
14	14.0	7.5	11.0	21.0	18.5	20.0	27.0	25.5	26.5	27.5	25.0	26.5
15	18.5	14.0	16.0	21.0	18.0	19.5	26.5	25.0	26.0	27.0	25.0	26.5
16	21.0	18.0	19.5	21.0	19.0	20.0	25.5	23.0	24.5	25.0	23.5	24.5
17	22.5	20.5	21.5	20.0	17.5	19.0	26.0	23.5	25.0	26.0	24.0	25.0
18	22.0	21.5	21.5	20.5	19.0	20.0	27.5	24.5	26.0	27.0	24.5	26.0
19	23.5	21.5	22.5	20.0	18.5	19.0	28.5	26.0	27.0	27.5	26.0	27.0
20	22.5	21.5	22.0	19.0	16.5	18.0	28.0	26.5	27.0	26.5	24.5	26.0
21	22.0	20.0	21.0	20.0	17.0	18.5	26.5	23.5	24.5	25.0	23.5	24.5
22	22.0	19.5	21.0	19.5	17.5	18.5	25.0	23.0	24.0	27.0	23.0	25.0
23	22.0	20.5	21.5	17.5	16.5	17.0	27.0	24.5	25.5	26.5	23.5	25.0
24	20.5	19.0	20.0	20.0	17.0	18.5	26.5	25.5	26.0	27.5	25.0	26.0
25	21.0	18.5	20.0	21.5	18.0	19.5	25.5	23.5	24.5	28.0	25.5	27.0
26	22.5	19.0	20.5	22.5	19.0	20.5	26.5	23.5	25.0	27.5	26.5	27.0
27	22.0	20.0	21.0	23.5	20.5	22.0	28.5	25.0	26.5	27.5	26.5	27.0
28	22.0	19.0	20.5	24.0	21.0	22.5	29.0	26.0	27.5	29.5	27.0	28.0
29	---	---	---	23.5	21.5	22.5	28.0	26.5	27.5	30.0	28.0	29.0
30	---	---	---	24.5	22.5	23.5	27.5	25.0	26.5	29.0	27.5	28.0
31	---	---	---	26.5	23.0	24.5	---	---	---	29.0	27.5	28.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	28.5	26.5	27.5	27.5	26.5	27.0	28.5	28.0	28.0	30.0	28.0	29.0
2	28.5	27.5	28.0	27.0	25.0	26.0	29.0	28.0	28.0	30.0	28.5	29.5
3	29.0	27.5	28.0	27.0	25.0	26.0	28.5	28.0	28.5	30.0	29.0	29.5
4	29.0	27.5	28.0	28.5	27.0	27.5	29.0	28.0	28.5	30.0	29.0	30.0
5	29.5	27.0	28.0	29.5	28.5	28.5	29.0	28.5	28.5	30.0	29.5	30.0
6	30.0	28.5	29.5	29.5	28.0	29.0	29.5	28.5	29.0	30.0	28.5	29.5
7	29.5	28.0	29.0	31.0	28.5	29.5	29.5	29.0	29.0	30.0	29.0	30.0
8	28.5	27.5	28.0	32.5	30.0	31.0	29.5	29.0	29.0	30.5	30.0	30.0
9	29.5	28.0	29.0	32.5	31.0	31.5	29.0	28.5	28.5	30.0	29.0	29.5
10	31.0	29.0	30.0	33.0	31.5	32.5	28.5	28.0	28.0	29.0	28.5	28.5
11	31.0	29.5	30.5	33.5	31.5	32.5	28.0	28.0	28.0	28.5	28.0	28.5
12	31.5	30.0	30.5	32.5	30.0	31.0	28.0	27.5	27.5	29.0	28.0	28.5
13	32.0	30.0	31.0	32.0	29.5	30.5	28.5	27.5	28.0	29.0	28.5	28.5
14	32.5	30.5	31.5	33.0	31.0	32.0	29.0	28.5	28.5	29.0	28.5	29.0
15	32.0	30.0	31.0	33.0	31.5	32.5	29.0	29.0	29.0	29.5	29.0	29.0
16	32.5	30.5	31.5	33.5	32.0	33.0	29.0	28.5	29.0	29.0	29.0	29.0
17	32.5	30.5	31.5	33.0	31.5	32.5	29.0	28.5	28.5	29.0	28.0	28.5
18	32.5	31.0	31.5	32.5	31.0	31.5	28.5	27.5	28.0	28.0	27.0	27.5
19	31.5	30.0	30.5	32.5	31.0	31.5	27.5	26.5	26.5	27.0	25.5	26.0
20	32.0	30.0	31.0	32.5	31.0	32.0	26.5	26.0	26.0	26.0	25.0	25.5
21	33.0	31.0	31.5	32.0	30.5	31.5	26.5	25.5	26.0	26.5	25.5	26.0
22	32.0	30.0	31.0	31.0	29.5	30.0	25.5	25.0	25.5	27.0	26.0	26.5
23	32.5	30.5	31.5	32.0	29.5	30.5	26.0	25.5	25.5	27.0	26.5	27.0
24	31.5	29.5	31.0	31.5	30.5	31.0	26.5	25.5	26.0	27.0	26.0	26.5
25	30.5	28.5	29.5	31.5	30.5	31.0	27.5	26.5	27.0	26.5	26.0	26.0
26	30.0	28.5	29.0	31.0	30.0	30.5	28.0	27.5	28.0	26.5	25.5	25.5
27	28.5	27.5	28.0	31.5	30.0	30.5	28.0	27.0	27.5	26.0	25.0	25.5
28	27.5	26.0	26.5	31.5	30.5	31.0	28.0	27.5	27.5	27.0	25.5	26.0
29	26.5	24.5	25.5	32.0	31.0	31.5	28.5	28.0	28.5	27.5	26.5	27.0
30	27.5	25.5	26.5	31.0	29.5	30.0	29.5	28.5	28.5	28.0	27.0	27.5
31	---	---	---	29.0	28.0	28.5	29.5	28.0	28.5	---	---	---
YEAR	33.5	7.5	23.5									



02197328 FOUR MILE CREEK NEAR JACKSON, S.C.

LOCATION.--Lat 33°08'52", long 81°45'01", Barnwell County, Hydrologic Unit 03060106, on left bank 7.6 mi (12.2 km) downstream from Upper Three Runs 9.0 mi (14.5 km) upstream from Steel Creek at mile 150.6.

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1979 to current year.

INSTRUMENTATION.--Servo Programmer since October 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, >40.0°C several days June July, Aug., 1980, July, Sept. 1981; minimum, 5.0°C Feb. 4, 1981.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, >40.0°C several days July, Sept.; minimum, 5.0°C Feb. 4.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.0	20.0	20.5	17.5	14.5	16.0	27.5	23.5	25.5	20.0	11.5	14.5
2	24.5	20.5	22.0	17.5	15.0	16.0	30.5	26.5	28.5	26.5	20.0	24.0
3	23.5	21.0	22.0	17.5	15.5	16.5	30.0	28.0	29.0	28.5	25.0	26.5
4	21.5	18.5	20.0	18.5	16.5	17.5	29.5	27.0	28.0	29.0	25.5	27.5
5	20.5	18.5	19.5	18.0	15.5	16.5	28.0	16.0	24.5	26.5	23.5	25.0
6	20.5	17.0	18.5	16.0	13.5	15.0	16.0	12.5	14.0	28.5	25.0	26.5
7	20.5	16.5	18.5	16.0	13.0	14.5	29.5	16.0	23.0	28.5	27.0	28.0
8	21.5	17.0	19.0	17.5	14.0	15.5	31.0	28.0	29.5	28.5	26.0	27.0
9	22.5	18.5	20.0	18.5	15.0	17.0	32.5	30.0	31.0	28.0	25.5	27.0
10	23.5	20.0	21.5	19.0	16.5	17.5	32.0	28.5	30.5	27.5	26.0	27.0
11	23.5	21.0	22.0	17.5	15.0	16.0	30.5	28.5	29.0	27.5	25.0	26.0
12	23.0	19.5	20.5	15.0	12.0	13.5	30.5	27.5	29.0	26.0	23.5	24.5
13	20.5	17.5	18.5	14.0	11.5	12.5	30.5	28.0	29.5	26.5	23.5	25.0
14	19.0	16.5	17.5	16.0	13.5	14.5	31.0	29.0	29.5	28.0	25.0	26.5
15	21.0	16.5	18.0	17.5	16.0	16.5	30.0	27.5	29.0	30.0	27.0	28.5
16	22.0	19.0	20.0	17.5	16.0	17.0	29.5	29.0	29.0	29.5	27.0	28.0
17	23.0	20.0	21.0	16.0	13.0	14.0	29.5	29.0	29.0	28.0	11.0	15.5
18	23.0	21.0	22.0	14.0	12.5	13.5	29.5	27.5	28.5	26.5	15.0	22.0
19	23.0	22.0	22.5	13.5	11.0	12.0	31.0	28.0	29.5	29.5	26.0	27.5
20	22.5	20.0	21.5	12.5	10.0	11.0	30.5	27.5	29.0	29.5	28.0	28.5
21	21.5	18.0	19.5	14.0	11.5	13.0	27.0	25.0	25.5	29.0	28.0	29.0
22	20.0	18.5	19.0	13.5	10.5	12.0	27.0	24.5	25.5	28.5	27.5	28.5
23	19.5	17.5	18.5	15.0	13.0	14.0	27.5	25.5	26.5	29.5	26.5	27.5
24	17.5	16.0	16.5	16.5	15.0	15.5	29.0	26.5	28.0	30.5	27.5	29.0
25	18.0	16.0	16.5	17.0	15.0	15.5	28.0	24.5	26.0	31.0	27.5	29.0
26	16.5	13.5	15.0	15.0	13.0	13.5	25.5	24.5	25.0	29.5	16.5	21.0
27	17.5	14.5	15.5	14.5	13.0	13.5	26.0	24.5	25.5	16.0	14.0	15.0
28	17.5	16.5	17.0	15.0	12.5	13.5	27.0	25.5	26.0	16.0	14.5	15.5
29	19.0	17.0	18.0	22.5	15.0	20.0	30.5	27.0	29.0	14.0	10.0	12.0
30	19.0	16.0	17.5	25.0	21.5	23.0	30.0	29.0	29.5	13.0	9.5	11.0
31	16.5	14.5	15.5	---	---	---	29.0	14.5	22.5	10.0	7.0	8.5

02197328 FOUR MILE CREEK NEAR JACKSON, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	12.5	7.5	9.5	33.0	31.5	32.5	35.5	32.5	33.5	36.0	33.0	34.0
2	12.5	10.5	12.0	33.5	30.5	32.0	36.0	30.5	33.0	36.0	31.0	33.5
3	10.0	5.5	7.5	33.0	28.5	30.5	36.0	31.5	33.5	37.0	31.5	34.0
4	9.5	5.0	7.5	32.5	30.0	31.0	36.0	33.0	34.5	38.0	32.5	35.0
5	14.0	5.5	8.5	32.0	30.0	31.0	34.0	32.0	33.5	38.0	33.0	35.5
6	21.0	14.0	18.5	33.0	28.0	30.0	32.0	21.5	24.5	37.5	34.5	36.0
7	26.5	21.0	24.0	33.0	29.0	31.0	22.0	17.5	20.0	35.5	30.5	33.0
8	28.5	26.5	27.5	32.5	28.5	30.5	22.0	18.0	20.0	34.5	30.0	32.0
9	28.5	25.0	26.5	33.5	29.0	31.0	23.5	19.0	21.0	36.5	32.5	34.0
10	28.0	26.5	27.5	33.5	29.0	31.0	24.0	20.0	22.0	37.0	34.0	35.5
11	28.5	24.0	27.0	33.0	29.5	31.0	25.0	19.0	22.5	36.5	33.5	35.0
12	23.5	9.5	17.0	33.5	29.0	31.0	29.0	19.5	23.5	37.0	31.0	34.0
13	10.0	8.0	8.5	32.5	30.0	31.0	37.0	29.0	32.5	39.0	33.0	36.0
14	22.5	9.0	13.5	34.0	29.5	31.5	36.5	32.5	34.0	39.0	34.0	36.5
15	30.5	23.0	27.0	33.5	29.0	31.5	35.5	33.0	34.0	36.5	25.5	29.0
16	32.5	29.0	30.5	32.0	27.5	30.0	35.5	31.0	33.0	25.5	21.5	23.5
17	33.5	31.5	32.0	32.0	27.0	29.0	37.0	32.0	34.5	26.5	22.0	24.0
18	32.5	31.0	31.5	31.5	29.0	30.0	37.5	33.5	35.5	27.5	22.5	25.0
19	33.5	31.0	32.5	30.5	28.5	30.0	39.0	34.5	36.5	26.5	24.0	25.5
20	32.0	30.0	31.0	30.5	26.0	28.5	37.0	34.5	36.0	25.5	22.0	23.5
21	33.0	29.0	31.0	33.0	28.5	30.5	34.5	31.5	32.5	24.5	19.5	22.0
22	33.5	29.5	31.5	32.0	28.0	30.0	34.5	31.5	33.0	25.5	19.5	22.5
23	32.5	29.5	31.0	28.5	27.0	27.5	36.5	33.5	34.5	27.0	22.0	24.0
24	31.0	28.0	29.5	33.5	28.5	30.5	35.0	32.5	34.0	28.0	24.0	25.5
25	33.0	28.5	30.5	34.5	29.5	32.0	36.0	31.0	33.5	28.0	24.5	26.0
26	34.5	29.5	32.0	34.5	30.0	32.5	37.5	32.0	34.5	28.0	25.0	25.5
27	33.5	30.0	32.0	34.5	31.0	32.5	38.5	33.0	36.0	26.0	24.0	25.0
28	33.0	29.5	31.5	35.0	31.5	33.0	38.5	31.5	36.0	27.5	24.5	25.5
29	---	---	---	34.5	31.5	33.0	30.0	23.5	26.0	29.0	24.5	26.5
30	---	---	---	34.0	31.5	32.5	35.5	24.5	29.5	28.5	25.0	26.5
31	---	---	---	38.0	32.5	35.0	---	---	---	28.5	27.0	27.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE												
1	29.5	25.0	27.0	35.0	31.5	33.5	38.5	34.5	36.5	40.0	36.0	---
2	29.0	26.0	27.5	30.0	24.0	25.5	38.5	34.5	36.0	40.0	36.0	---
3	29.5	25.5	27.5	34.5	26.0	30.5	36.5	29.0	31.5	40.0	36.5	---
4	29.0	26.0	27.5	38.0	34.0	36.0	32.5	28.0	30.0	40.0	36.5	---
5	31.0	25.0	27.5	38.5	35.5	36.5	32.5	28.0	30.5	38.5	36.5	37.5
6	31.5	28.0	29.5	39.0	34.5	36.5	32.5	28.5	30.5	40.0	36.0	---
7	30.0	27.5	28.5	40.0	35.0	---	31.0	28.0	29.5	40.0	37.0	---
8	29.0	25.0	27.0	40.0	36.5	---	29.5	27.0	28.5	40.0	37.0	---
9	30.5	26.5	28.5	40.0	38.5	---	29.0	26.0	27.5	39.0	36.5	37.5
10	32.0	28.0	29.5	40.0	39.0	---	29.5	25.5	27.5	39.0	35.5	37.0
11	32.5	28.5	30.5	40.0	39.0	---	29.5	25.5	27.5	39.5	35.5	37.5
12	31.5	28.0	30.0	40.0	37.5	---	30.5	25.5	27.5	40.0	35.5	---
13	32.5	28.5	30.0	40.0	37.0	---	37.5	30.5	34.0	40.0	36.0	---
14	32.0	28.5	30.5	40.0	39.0	---	37.5	34.0	35.5	40.0	36.5	---
15	32.0	26.5	29.5	40.0	39.0	---	35.5	31.5	34.0	40.0	36.5	---
16	32.5	28.5	30.5	40.0	39.5	---	32.0	28.0	30.0	38.5	36.5	37.5
17	33.0	28.5	30.5	40.0	38.5	---	30.5	27.0	28.0	38.5	35.0	37.0
18	32.5	29.0	30.5	40.0	38.5	---	27.0	25.0	25.5	36.5	33.5	35.0
19	31.5	27.5	29.5	40.0	38.5	---	25.0	23.0	23.5	36.0	31.5	34.0
20	31.5	26.5	29.0	40.0	38.5	---	26.0	22.5	24.0	36.5	32.5	34.5
21	32.0	28.0	30.0	37.5	29.5	32.0	24.5	23.0	23.5	37.5	33.5	35.0
22	33.0	29.0	31.0	37.0	27.5	31.5	27.0	22.5	24.5	38.0	33.5	36.0
23	32.5	29.0	30.5	40.0	37.0	---	32.5	26.5	30.0	38.0	34.5	36.0
24	32.0	27.0	29.0	40.0	37.5	---	37.0	30.5	33.5	37.0	33.0	35.0
25	31.0	25.0	27.5	40.0	37.5	---	39.0	33.0	36.0	37.0	33.5	35.0
26	29.0	25.5	27.0	40.0	37.5	---	38.5	35.5	36.5	35.0	26.5	29.5
27	28.5	24.5	26.5	40.0	37.5	---	38.5	35.0	36.5	27.0	23.0	25.0
28	27.5	23.5	25.5	40.0	36.0	---	38.5	36.0	37.0	27.0	23.0	25.0
29	33.5	23.0	28.0	40.0	38.0	---	39.0	36.5	37.5	26.5	23.0	25.0
30	35.0	30.0	32.5	39.0	36.0	37.5	38.0	36.0	37.0	26.5	23.0	25.0
31	---	---	---	36.0	34.5	35.5	39.5	36.0	37.5	---	---	---
YEAR	40.0	5.0	26.5									

02197330 SITE NO. 1 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°17'00", long 81°39'00", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, at pipe culvert 100 ft (30 m) above Road E, 2000 ft (610 m) southwest of H Area.

DRAINAGE AREA.--0.13 mi<sup>2</sup> (0.34 km<sup>2</sup>).

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

GAGE.--Water-stage recorder. Altitude of gage is 260 ft (79 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, Mar. 9 to Apr. 9, and July 24 to Sept. 4, which are poor, and periods when discharge was over 25 ft<sup>3</sup>/s (0.71 m<sup>3</sup>/s) which are undefined. Flow completely regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--9 years, 1.44 ft<sup>3</sup>/s (0.041 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, Jan. 19, 1978, gage height, 7.82 ft (2.384 m); minimum daily, 0.07 ft<sup>3</sup>/s (0.002 m<sup>3</sup>/s) Sept. 6, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, Aug. 2, gage height, 3.68 ft (1.12 m); minimum daily, 0.54 ft<sup>3</sup>/s (0.015 m<sup>3</sup>/s) Oct. 4.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.4	1.2	1.4	2.1	1.6	4.0	1.7	3.0	1.7	2.0	1.5
2	.82	1.7	1.4	1.3	2.2	1.4	1.3	1.2	1.9	1.7	2.1	1.8
3	1.0	1.5	1.4	1.5	1.6	1.2	1.8	1.2	2.1	1.7	1.8	1.4
4	.54	2.2	1.4	1.6	1.9	1.4	1.8	1.6	2.4	1.7	2.1	1.6
5	.82	2.0	1.7	1.3	1.8	1.8	1.7	1.2	1.1	1.6	1.3	1.0
6	1.5	1.3	1.5	1.7	1.9	1.6	1.7	.68	1.4	2.6	1.6	1.3
7	1.1	1.9	1.2	1.8	1.7	1.3	1.7	1.1	2.0	1.7	1.2	1.3
8	1.4	1.4	1.6	2.1	1.3	1.6	1.7	1.7	1.7	1.8	2.0	1.5
9	1.9	1.6	1.5	1.9	1.7	.95	1.7	1.3	1.7	1.8	1.6	1.9
10	1.7	1.6	1.5	1.9	1.7	1.6	1.7	1.1	1.5	1.8	2.0	1.6
11	1.6	1.6	1.7	2.5	3.9	1.7	2.2	1.5	1.6	1.8	2.1	1.4
12	1.6	2.0	1.5	2.0	1.8	1.8	1.4	1.3	1.2	1.9	2.3	1.0
13	1.6	1.7	1.7	2.3	1.8	1.5	1.2	1.6	1.8	.95	1.9	1.4
14	2.1	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.8	1.0	2.2	1.4
15	1.5	1.8	1.3	1.8	1.7	1.2	1.7	1.7	1.6	1.2	1.7	1.9
16	2.0	1.6	1.6	1.3	1.5	1.4	1.6	1.7	2.0	2.1	1.6	1.5
17	1.9	1.4	1.5	1.7	1.6	1.3	1.2	1.7	2.1	1.1	1.9	1.9
18	1.5	2.1	1.6	1.7	2.1	1.3	1.5	1.7	2.0	2.1	1.7	1.5
19	1.4	1.6	1.6	1.7	1.4	1.7	1.3	1.5	1.8	1.5	1.6	1.4
20	1.6	1.7	1.2	1.7	1.6	1.9	1.7	1.8	1.7	1.2	1.8	1.5
21	1.8	1.8	1.5	1.6	1.5	1.4	1.7	1.3	1.7	1.1	1.9	1.5
22	2.2	1.7	1.2	1.6	1.2	1.9	1.6	1.6	1.6	2.1	1.6	1.5
23	1.8	1.6	2.3	1.2	1.6	1.7	1.8	1.5	1.6	1.1	1.6	1.4
24	1.7	1.4	1.5	1.1	1.3	1.7	1.9	1.4	1.6	1.3	2.0	1.0
25	1.2	1.5	1.7	1.7	1.7	1.7	1.4	1.0	1.7	1.8	1.6	1.6
26	1.1	1.7	1.7	1.7	1.6	1.6	1.6	.99	2.2	.99	1.9	1.4
27	1.7	1.7	1.7	1.7	1.7	1.6	1.3	1.4	1.7	2.0	1.9	1.5
28	2.0	1.1	1.4	.82	1.7	1.7	1.6	1.1	1.3	1.0	1.7	1.7
29	1.9	1.6	2.0	.57	---	1.6	1.4	1.4	1.8	2.3	1.4	1.3
30	2.3	1.7	1.7	1.6	---	1.7	1.9	1.5	1.8	1.2	2.2	1.4
31	1.7	---	1.5	1.7	---	.61	---	2.2	---	1.7	1.6	---
TOTAL	48.48	50.6	49.0	50.69	49.4	47.16	50.8	44.27	53.5	49.54	55.9	44.1
MEAN	1.56	1.69	1.58	1.64	1.76	1.52	1.69	1.43	1.78	1.60	1.80	1.47
MAX	2.3	2.2	2.3	2.5	3.9	1.9	4.0	2.2	3.0	2.6	2.3	1.9
MIN	.54	1.1	1.2	.57	1.2	.61	1.2	.68	1.1	.95	1.2	1.0

CAL. YR 1980 TOTAL 512.41 MEAN 1.40 MAX 4.0 MIN .07  
WTR YR 1981 TOTAL 593.44 MEAN 1.63 MAX 4.0 MIN .54

LOCATION.--Lat 33°16'50", long 81°39'00", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, on woods road 300 ft (91 m) south of SRP Road E and 2,700 ft (823 m) southwest of H Area.

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

REMARKS.--Records good. Flow regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, July 27, 1974, gage height, 9.56 ft (2.914 m); minimum daily, 0.24 ft<sup>3</sup>/s (.0068 m<sup>3</sup>/s) Dec. 2, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, Aug. 2, gage height, 5.27 ft (1.606 m); minimum daily, 0.69 ft<sup>3</sup>/s (0.020 m<sup>3</sup>/s) Aug. 6.

CAL YR 1980	TOTAL 626.01	MEAN 1.71	MAX 5.5	MIN .40
WTR YR 1981	TOTAL 729.79	MEAN 2.00	MAX 8.3	MIN .69

## 243

LOCATION.--Lat 33°16'31", long 81°39'12", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on Four Mile Creek at right bank on downstream side of bridge on SRP Road 4, 0.8 mi (1.3 km) southwest of H Area.

DRAINAGE AREA.--5.95 mi<sup>2</sup> (15.41 km<sup>2</sup>).

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

GAGE.--Water-stage recorder. Altitude of gage is 205 ft (62 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, July 10 to September 1, which are poor. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--9 years, 7.73 ft<sup>3</sup>/s (0.219 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 149 ft<sup>3</sup>/s (4.220 m<sup>3</sup>/s) Feb. 24, 1979, gage height, 3.67 ft (1.119 m); minimum daily, 0.61 ft<sup>3</sup>/s (0.017 m<sup>3</sup>/s) June 6, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, unknown, probably occurred Aug. 2, gage height, unknown; minimum daily, 2.4 ft<sup>3</sup>/s (0.028 m<sup>3</sup>/s) Aug. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	5.2	5.4	5.8	5.6	6.0	21	4.1	19	3.9	5.0	3.6
2	8.1	4.6	5.2	5.2	9.5	7.3	12	3.2	8.4	4.4	12	3.7
3	6.4	4.4	5.0	5.4	6.8	6.0	8.1	3.5	13	4.6	7.0	3.5
4	5.4	5.4	5.0	5.2	6.0	6.4	7.0	4.1	17	4.4	4.6	3.3
5	4.6	5.0	5.2	4.4	5.8	13	7.0	3.5	9.1	3.9	2.7	3.0
6	4.8	4.6	5.0	4.8	6.0	8.8	7.0	3.2	6.2	4.2	2.4	3.3
7	4.8	4.8	5.0	6.8	6.2	7.3	6.4	4.4	14	4.8	2.7	3.3
8	5.0	4.8	5.4	6.2	6.0	6.6	6.2	5.4	13	4.1	3.6	3.9
9	5.2	4.4	5.2	5.6	5.8	5.8	6.2	3.2	7.3	3.9	3.3	3.9
10	4.8	4.6	5.2	5.0	5.6	6.2	7.0	3.0	6.4	2.9	3.6	3.5
11	4.6	4.4	5.4	5.0	24	6.0	6.2	3.2	5.2	2.9	3.6	3.2
12	3.9	5.0	5.2	4.8	10	6.0	5.4	2.6	4.8	3.0	4.0	3.3
13	4.2	4.8	5.0	5.4	8.1	6.0	4.8	3.0	4.8	2.5	4.1	3.5
14	4.6	4.6	5.0	5.2	7.3	6.2	5.4	2.6	4.8	2.9	4.1	3.2
15	4.2	6.2	5.0	5.4	6.6	5.4	4.4	3.0	4.4	3.0	3.9	3.5
16	4.4	6.6	5.2	5.2	6.6	5.4	4.4	3.2	4.6	3.2	3.9	3.2
17	4.4	5.8	5.6	4.8	6.4	5.6	4.1	3.2	4.6	2.8	4.1	4.4
18	4.4	6.0	5.6	4.8	11	12	4.2	3.2	4.4	3.1	4.0	2.8
19	4.2	5.0	5.2	4.6	9.8	13	3.9	3.0	4.6	3.0	4.2	2.5
20	4.1	5.0	4.6	4.6	7.9	8.1	5.6	3.3	4.6	2.9	4.0	2.5
21	4.1	5.6	5.0	5.0	7.0	6.4	7.3	3.2	4.2	3.0	4.2	2.6
22	4.2	5.0	4.8	4.8	6.2	8.4	5.4	3.2	4.1	3.2	3.9	2.5
23	4.4	5.0	11	5.0	6.6	8.8	4.8	3.2	4.1	3.3	3.6	2.6
24	6.0	5.6	7.7	4.8	6.2	7.7	7.3	3.2	4.1	2.8	4.1	2.6
25	5.6	6.0	6.0	5.0	6.2	7.0	5.6	3.0	4.1	2.7	3.8	3.2
26	4.2	5.0	5.2	5.0	6.0	6.2	4.1	2.8	4.1	3.4	3.6	2.8
27	4.4	6.8	5.6	4.8	5.8	7.0	3.5	3.3	3.7	3.0	4.0	2.6
28	4.6	6.2	7.3	5.2	5.8	6.4	3.3	3.3	3.5	2.7	3.9	3.2
29	4.8	5.6	6.8	4.8	---	6.2	3.3	3.3	3.7	3.0	3.6	2.6
30	7.7	5.8	6.4	5.4	---	7.5	3.3	3.0	3.5	2.9	4.7	2.8
31	8.1	---	6.0	6.0	---	6.2	---	3.7	---	3.9	4.2	---
TOTAL	161.2	157.8	175.2	160.0	210.8	224.9	184.2	103.1	199.3	104.3	130.4	94.6
MEAN	5.20	5.26	5.65	5.16	7.53	7.25	6.14	3.33	6.64	3.36	4.21	3.15
MAX	11	6.8	11	6.8	24	13	21	5.4	19	4.8	12	4.4
MIN	3.9	4.4	4.6	4.4	5.6	5.4	3.3	2.6	3.5	2.5	2.4	2.5
CAL YR 1980	TOTAL	2868.6	MEAN	7.84	MAX	79	MIN	1.4				
WTR YR 1981	TOTAL	1905.4	MEAN	5.22	MAX	24	MIN	2.4				

## SAVANNAH RIVER BASIN

02197336 SITE NO. 4 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°16'21", long 81°39'55", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on Four Mile Creek at left bank, 200 ft (61 m) above SRP Road C, 0.8 mi (1.3 km) downstream of site 3, 0.8 mi (1.3 km) southeast of F Area.

DRAINAGE AREA.--6.96 mi<sup>2</sup> (18.03 km<sup>2</sup>).

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

GAGE.--Water-stage recorder. Altitude of gage is 195 ft (59 m) (from topographic map).

REMARKS.--Records poor. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--9 years, 8.80 ft<sup>3</sup>/s (0.249 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, Nov. 2, 1980, gage height, 4.89 ft (1.490 m); minimum daily, 1.8 ft<sup>3</sup>/s (0.051 m<sup>3</sup>/s) Sept. 18, 1968, July 18, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, unknown, probably occurred Aug. 2, gage height, unknown; minimum daily, 2.7 ft<sup>3</sup>/s (0.076 m<sup>3</sup>/s) July 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	4.8	5.1	7.3	5.6	8.8	19	6.0	19	6.5	5.0	4.3
2	9.7	4.5	5.1	7.1	7.1	6.8	13	5.0	11	6.2	14	4.0
3	7.1	4.6	5.1	6.8	6.5	6.5	11	5.7	17	6.5	19	4.0
4	5.5	5.0	5.1	6.7	6.0	9.6	9.9	6.4	24	6.4	5.0	3.8
5	4.8	5.4	5.4	6.2	6.2	13	10	6.5	10	5.8	3.3	3.8
6	4.6	5.9	5.4	6.1	6.4	10	9.9	6.3	8.7	5.9	3.4	3.7
7	5.1	6.5	5.4	6.6	6.5	9.7	9.3	6.7	15	5.5	3.6	4.0
8	5.1	6.7	5.6	6.4	6.6	9.3	9.2	7.4	14	4.1	4.3	4.3
9	5.1	6.4	5.5	6.4	6.4	8.9	9.4	7.1	9.2	3.5	4.3	4.4
10	5.1	6.4	5.6	6.2	6.6	9.0	9.6	6.8	8.6	3.5	4.5	4.0
11	4.9	6.2	5.8	6.0	15	9.0	9.0	6.3	8.0	3.5	4.5	3.7
12	4.2	6.2	5.6	6.0	9.0	9.1	8.5	6.0	7.6	4.1	4.8	3.7
13	4.9	6.4	5.8	6.0	8.2	9.1	8.3	6.4	7.2	3.5	4.8	3.8
14	4.9	6.2	5.8	6.0	7.8	9.1	8.4	6.3	6.9	3.5	4.4	3.7
15	4.6	6.7	5.9	6.0	7.6	8.8	7.8	6.6	6.5	3.6	4.5	3.8
16	4.9	6.7	6.1	5.9	7.6	8.9	7.4	6.3	6.5	3.5	4.3	3.6
17	4.4	6.5	6.4	5.5	7.4	8.4	7.4	6.5	6.5	3.5	4.6	4.0
18	4.6	6.4	6.4	5.8	9.9	11	7.2	6.5	6.7	3.4	4.6	3.7
19	4.5	5.9	6.2	5.8	9.3	12	6.9	6.4	6.7	3.2	4.6	3.3
20	4.6	5.4	6.4	5.6	8.6	10	8.3	6.3	6.7	3.2	4.5	3.5
21	4.2	5.6	6.2	5.9	8.2	9.4	8.8	6.2	6.0	3.5	4.6	3.5
22	4.2	5.4	6.2	5.6	8.0	11	7.8	6.3	6.4	3.4	4.6	3.3
23	4.3	5.4	8.7	5.2	8.4	11	7.5	6.4	6.5	3.5	4.4	3.4
24	4.9	5.6	7.6	5.0	8.4	10	8.6	6.4	6.6	3.0	4.4	3.4
25	4.9	5.6	7.0	5.4	8.6	9.8	7.5	6.5	6.7	2.7	4.3	3.3
26	4.4	5.4	7.0	5.5	8.6	9.3	6.6	6.3	6.7	3.5	4.1	3.2
27	4.4	5.9	7.3	5.5	8.6	9.4	6.0	6.5	6.4	3.0	4.3	3.1
28	4.4	5.6	8.0	5.6	8.8	9.3	6.4	6.9	6.0	2.8	4.2	3.1
29	4.6	5.4	7.8	5.5	---	8.9	6.2	7.0	6.1	3.0	4.1	3.0
30	5.4	5.1	7.8	5.6	---	9.7	6.2	6.8	6.8	3.2	4.6	3.1
31	5.4	---	7.8	5.9	---	9.2	---	8.4	---	3.9	4.8	---
TOTAL	164.7	173.8	195.1	185.1	221.9	294.0	261.1	201.2	270.0	124.4	160.4	109.5
MEAN	5.31	5.79	6.29	5.97	7.93	9.48	8.70	6.49	9.00	4.01	5.17	3.65
MAX	15	6.7	8.7	7.3	15	13	19	8.4	24	6.5	19	4.4
MIN	4.2	4.5	5.1	5.0	5.6	6.5	6.0	5.0	6.0	2.7	3.3	3.0

CAL YR 1980 TOTAL 3027.8 MEAN 8.27 MAX 60 MIN 1.8  
WTR YR 1981 TOTAL 2361.2 MEAN 6.47 MAX 24 MIN 2.7



## SAVANNAH RIVER BASIN

245

02197338 SITE NO. 5 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°16'50", long 81°40'15", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, at upstream end of pipe culvert at SRP Road E, 600 ft (183 m) southeast of Area F, 0.5 mi (0.8 km) east of SRP Road C.

DRAINAGE AREA.--0.28 mi<sup>2</sup> (0.73 km<sup>2</sup>).

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

GAGE.--Water-stage recorder. Altitude of gage is 260 ft (79 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage-height record, June 3 to July 7, which are poor and periods when discharge was over 45 ft<sup>3</sup>/s (1.274 m<sup>3</sup>/s) which are undefined. Flow completely regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--9 years, 2.47 ft<sup>3</sup>/s (0.0700 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, August 5, 1974, gage height 7.94 ft (2.420 m); minimum daily, 0.80 ft<sup>3</sup>/s (0.023 m<sup>3</sup>/s) May 27, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, Aug. 2, gage height, 5.25 ft (1.600 m); minimum daily, 1.1 ft<sup>3</sup>/s (0.031 m<sup>3</sup>/s) May 1.

DISCHARGE. IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	2.1	2.1	2.2	2.4	3.1	4.6	1.1	5.4	2.0	4.4	1.8
2	3.3	2.0	1.9	2.5	3.5	3.2	2.1	1.2	3.3	2.1	6.8	1.8
3	3.3	2.1	2.0	2.0	2.5	3.3	2.0	1.9	11	2.1	4.9	2.2
4	3.1	2.9	2.0	2.2	2.6	4.4	2.2	2.0	4.5	2.1	2.0	2.1
5	3.1	2.0	2.2	2.4	2.6	3.2	2.4	1.6	2.9	2.0	1.6	2.1
6	3.0	1.9	2.0	2.4	2.6	1.7	1.8	1.6	2.5	1.9	2.0	1.5
7	2.6	1.9	2.0	3.1	2.5	2.5	1.5	1.3	4.2	1.9	2.0	2.5
8	3.0	1.5	2.1	2.9	2.7	2.4	1.5	1.4	2.9	2.0	1.4	3.1
9	2.8	1.5	1.9	3.3	2.6	2.5	1.8	1.8	2.3	1.8	1.6	4.4
10	2.9	1.8	2.1	2.4	3.5	2.2	1.9	1.8	2.2	1.5	2.7	3.0
11	2.7	1.7	2.0	2.3	7.6	2.2	1.6	1.7	2.4	1.9	2.3	1.7
12	2.8	1.4	1.9	2.4	2.5	2.2	1.9	1.7	2.0	2.0	2.1	1.6
13	2.7	1.7	1.9	2.2	3.0	2.2	1.7	1.6	2.4	1.8	2.4	1.7
14	2.7	1.7	1.9	2.1	2.2	2.2	1.9	1.6	2.2	1.6	1.9	2.2
15	3.2	2.1	2.1	1.9	2.0	2.2	1.8	1.8	2.1	2.3	2.3	1.9
16	2.7	1.8	3.1	2.4	2.1	2.3	1.8	1.7	2.1	2.0	1.7	1.7
17	2.7	2.3	3.4	2.1	2.3	2.2	2.0	2.0	2.1	2.3	2.2	1.6
18	2.8	2.0	3.6	2.0	4.0	3.7	2.0	2.0	2.1	1.8	2.1	2.0
19	2.9	1.7	3.6	2.1	2.7	2.1	1.9	1.7	2.2	2.1	1.9	1.5
20	2.8	1.3	3.4	2.0	2.1	2.2	2.4	1.6	2.2	2.1	2.0	2.1
21	2.8	1.4	2.5	2.1	2.2	2.3	2.1	1.6	1.8	2.2	2.4	2.1
22	2.7	1.6	2.4	2.0	2.2	3.2	1.9	1.7	1.9	2.1	2.6	2.4
23	2.9	1.8	4.5	2.0	2.4	2.5	2.0	1.6	2.1	2.3	2.4	2.6
24	3.4	2.6	2.8	2.0	2.2	2.3	2.5	1.7	2.2	2.0	2.1	2.5
25	2.7	2.2	2.4	2.1	2.7	2.3	1.7	1.9	2.2	2.8	2.3	2.1
26	2.7	2.1	2.6	2.2	2.0	2.1	1.9	1.5	2.3	2.3	1.3	2.2
27	2.5	2.7	2.7	2.0	2.6	2.2	1.7	1.7	2.3	2.1	1.7	2.3
28	2.4	2.3	3.0	2.2	2.7	2.1	2.0	1.7	2.1	2.2	1.8	2.3
29	3.1	2.1	2.7	2.0	---	2.2	1.5	1.9	1.9	2.0	1.7	2.4
30	3.4	2.1	2.4	2.2	---	2.6	1.3	1.8	2.0	2.3	3.1	2.4
31	2.1	---	2.8	2.1	---	1.9	---	4.8	---	2.4	1.8	---
TOTAL	89.1	58.3	78.0	69.8	77.0	77.7	59.4	55.0	83.8	64.0	73.5	65.8
MEAN	2.87	1.94	2.52	2.25	2.75	2.51	1.98	1.77	2.79	2.06	2.37	2.19
MAX	3.4	2.9	4.5	3.3	7.6	4.4	4.6	4.8	11	2.8	6.8	4.4
MIN	2.1	1.3	1.9	1.9	2.0	1.7	1.3	1.1	1.8	1.5	1.3	1.5

CAL YR 1980 TOTAL 853.00 MEAN 2.33 MAX 10 MIN .90  
WTR YR 1981 TOTAL 851.40 MEAN 2.33 MAX 11 MIN 1.1

## SAVANNAH RIVER BASIN

02197339 SITE NO. 5B AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°16'29", long 81°40'06", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, 100 ft (30.1 m) east of SRP Road C on right bank upstream and 300 ft (91 m) upstream from confluence with Fourmile Branch, 0.7 mi (1.13 km) southeast of F area.

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 195 ft (59 m) (from topographic map).

REMARKS.--Records fair. Flow regulated by Savannah River Plant operations.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, not determined, June 3, maximum gage height, 3.67 ft (1.119 m); minimum daily, 1.2 ft<sup>3</sup>/s (0.03 m<sup>3</sup>/s) May 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	2.9	2.2	2.4	2.6	3.1	4.9	1.3	5.5	2.6	4.2	2.1
2	3.3	2.9	2.1	2.5	3.4	3.2	2.4	1.2	4.0	2.8	5.7	2.1
3	3.1	2.9	2.2	2.2	2.7	3.2	2.3	2.2	8.6	2.8	3.5	2.5
4	3.2	3.2	2.4	2.3	2.8	3.7	2.3	2.3	5.5	2.8	2.5	2.3
5	3.2	2.5	2.5	2.5	2.7	3.2	2.5	2.1	3.5	2.8	2.5	2.4
6	3.2	2.3	2.3	2.5	2.8	2.1	2.1	2.2	3.2	2.9	2.7	1.9
7	3.3	2.2	2.3	2.9	2.7	2.6	1.8	2.0	5.2	2.6	2.8	2.5
8	3.2	1.9	2.4	2.7	2.7	2.5	1.7	1.9	3.4	2.7	2.2	3.2
9	3.0	2.0	2.3	3.0	2.6	2.5	2.0	2.3	2.7	2.4	2.4	3.8
10	3.1	2.1	2.4	2.4	3.2	2.3	2.2	2.3	2.6	2.1	3.0	2.9
11	3.0	2.1	2.3	2.3	6.0	2.3	1.9	2.2	2.9	2.5	3.0	2.0
12	3.1	1.9	2.3	2.5	2.9	2.3	2.0	2.1	2.4	3.2	2.8	1.9
13	3.1	2.0	2.3	2.2	3.1	2.3	2.0	2.1	2.8	2.5	3.0	2.0
14	3.1	2.0	2.3	2.2	2.5	2.3	2.1	2.1	2.6	2.3	2.6	2.3
15	3.2	2.5	2.4	2.1	2.4	2.3	2.0	2.2	2.5	2.8	2.9	2.1
16	3.1	2.2	2.9	2.4	2.5	2.4	2.0	2.2	2.4	2.6	2.4	1.9
17	3.1	2.6	3.2	2.2	2.5	2.3	2.2	2.5	2.5	2.7	2.8	1.9
18	3.2	2.4	3.2	2.1	3.4	3.2	2.2	2.5	2.4	2.4	2.7	2.1
19	3.3	2.1	3.2	2.1	2.5	2.5	2.1	2.2	2.5	2.6	2.5	1.7
20	3.3	1.7	3.1	2.0	2.2	2.5	2.7	2.1	2.7	2.5	2.5	2.1
21	3.3	1.8	2.5	2.2	2.2	2.5	2.5	2.1	2.0	2.6	2.9	2.2
22	3.3	1.9	2.4	2.1	2.2	3.2	2.3	2.2	2.4	2.5	3.1	2.4
23	3.5	2.0	3.7	2.1	2.4	2.6	2.3	2.0	2.5	2.7	2.9	2.6
24	3.8	2.6	2.7	2.1	2.2	2.5	1.8	2.2	2.5	2.4	2.5	2.5
25	3.4	2.3	2.5	2.1	2.6	2.4	2.1	2.4	2.5	3.6	2.7	2.1
26	3.4	2.3	2.7	2.2	2.2	2.2	2.3	2.0	2.7	2.8	1.9	2.2
27	3.2	2.7	2.7	2.0	2.7	2.3	2.1	2.2	2.5	2.5	2.4	2.3
28	3.2	2.4	2.9	2.1	2.8	2.3	2.2	2.2	2.4	2.6	2.3	2.3
29	3.6	2.2	2.7	2.1	---	2.3	1.9	2.3	2.1	2.4	2.2	2.3
30	3.8	2.2	2.5	2.3	---	2.7	1.6	2.2	2.4	2.5	3.0	2.4
31	3.0	---	2.7	2.4	---	2.1	---	3.9	---	2.6	2.2	---
TOTAL	101.1	68.8	80.3	71.2	77.5	79.9	66.5	67.7	93.9	81.8	86.8	69.0
MEAN	3.26	2.29	2.59	2.30	2.77	2.58	2.22	2.18	3.13	2.64	2.80	2.30
MAX	3.8	3.2	3.7	3.0	6.0	3.7	4.9	3.9	8.6	3.6	5.7	3.8
MIN	3.0	1.7	2.1	2.0	2.2	2.1	1.6	1.2	2.0	2.1	1.9	1.7

WTR YR 1981 TOTAL 944.5 MEAN 2.59 MAX 8.6 MIN 1.2

## SAVANNAH RIVER BASIN

247

02197340 SITE NO. 6 AT SAVANNAH RIVER PLANT, S.C.

LOCATION (REVISED).--Lat 33°16'23", long 81°40'05", Aiken County, Hydrologic Unit 03060106, at upstream side of bridge on SRP Road C, and 0.7 mi (1.1 km) southeast of Area F.

DRAINAGE AREA.--7.53 mi<sup>2</sup> (19.50 km<sup>2</sup>).

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

GAGE.--Water-stage recorder. Altitude of gage is 193 ft (59 m) (from topographic map).

REMARKS.--Records fair. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--9 years, 12.67 ft<sup>3</sup>/s (0.359 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 288 ft<sup>3</sup>/s (8.16 m<sup>3</sup>/s) Nov. 2, 1980, gage height, 5.15 ft (1.570 m); minimum daily, 4.1 ft<sup>3</sup>/s (0.12 m<sup>3</sup>/s) Dec. 23, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 123 ft<sup>3</sup>/s (3.48 m<sup>3</sup>/s), Aug. 2, gage height, 4.39 ft (1.338 m); minimum daily, 5.2 ft<sup>3</sup>/s (0.15 m<sup>3</sup>/s) July 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	10	7.2	11	8.3	11	27	7.9	41	10	9.2	6.9
2	17	9.8	7.2	11	11	12	21	6.4	28	11	21	6.5
3	14	9.8	7.8	11	9.9	11	18	7.4	20	11	24	6.7
4	12	11	7.4	11	9.5	12	17	8.6	32	9.8	7.0	6.5
5	10	10	7.9	10	8.9	16	17	8.9	17	9.5	5.8	6.7
6	10	9.8	8.4	10	9.5	13	17	8.6	14	9.2	5.9	6.7
7	8.9	9.8	8.1	9.2	9.5	13	16	9.2	21	6.8	6.6	7.6
8	8.9	9.8	8.6	11	9.4	12	16	11	20	8.4	6.9	8.1
9	8.9	9.2	8.4	11	9.0	12	16	10	14	7.2	6.9	8.3
10	8.9	9.2	8.6	10	9.3	12	16	9.5	13	7.2	7.5	7.6
11	9.5	8.9	8.6	10	20	12	15	8.4	12	7.2	7.5	6.7
12	8.1	8.9	8.4	10	13	12	14	7.9	11	8.9	7.8	6.7
13	8.1	9.2	8.6	10	12	13	14	8.6	10	7.2	7.7	6.9
14	8.4	9.2	8.4	10	11	13	14	8.6	9.8	7.0	7.2	6.9
15	8.4	9.8	9.2	9.9	10	13	13	9.2	8.9	7.2	7.4	6.9
16	8.9	9.8	10	9.3	10	13	12	8.4	8.9	6.8	7.0	6.5
17	8.9	9.5	10	8.7	10	12	12	8.9	8.9	6.8	7.7	7.4
18	8.9	9.2	11	9.1	13	16	12	8.9	9.2	6.4	7.6	6.7
19	8.9	8.4	11	9.4	13	18	11	8.6	9.2	6.2	7.6	6.0
20	8.6	7.7	11	9.0	11	15	13	8.6	9.2	6.2	7.5	6.3
21	8.9	7.9	11	9.1	10	14	15	8.4	7.9	6.4	7.6	6.3
22	8.6	7.4	10	8.7	11	16	13	8.6	8.9	6.2	7.6	6.1
23	8.9	7.4	15	7.8	11	17	12	8.6	8.9	6.4	7.2	6.5
24	10	8.1	13	7.4	10	16	13	8.6	9.2	5.2	7.3	6.5
25	10	8.1	12	8.1	11	15	11	8.9	9.2	6.6	7.0	6.3
26	9.2	7.7	11	8.4	10	15	8.9	8.4	9.2	6.6	6.6	6.1
27	9.2	8.4	12	8.4	11	15	7.9	8.9	8.6	5.7	6.9	5.8
28	9.2	8.1	13	8.7	11	15	8.6	9.8	8.1	5.7	6.8	5.8
29	9.8	7.4	12	8.1	---	14	8.4	10	8.1	5.8	6.5	5.6
30	12	7.2	12	8.3	---	16	8.4	9.5	9.5	6.0	7.5	5.8
31	12	---	12	8.8	---	15	---	17	---	6.8	7.7	---
TOTAL	317.1	266.7	308.8	292.4	302.3	429	417.2	280.3	404.7	227.4	254.5	199.4
MEAN	10.2	8.89	9.96	9.43	10.8	13.8	13.9	9.04	13.5	7.34	8.21	6.65
MAX	24	11	15	11	20	18	27	17	41	11	24	8.3
MIN	8.1	7.2	7.2	7.4	8.3	11	7.9	6.4	7.9	5.2	5.8	5.6
CAL YR 1980	TOTAL	4486.1	MEAN 12.3	MAX 89	MIN 4.3							
WTR YR 1981	TOTAL	3699.8	MEAN 10.1	MAX 41	MIN 5.2							

02197342 SITE NO. 7 AT SAVANNAH RIVER PLANT, S.C.

DRAINAGE AREA.--12.5 mi<sup>2</sup> (32.4 km<sup>2</sup>).

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

GAGE.--Water-stage recorder. Altitude of gage is 155 ft (47 m) (from topographic map).

REMARKS.--Records fair. No gage-height record July 27 to August 4. Flow regulated by Savannah River Plant operations.

**AVERAGE DISCHARGE.**--9 years, 17.88 ft<sup>3</sup>/s (0.506 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 213 ft<sup>3</sup>/s (6.03 m<sup>3</sup>/s) Feb. 2, 1973, gage height, 4.80 ft (1.463 m); minimum daily, 5.1 ft<sup>3</sup>/s (0.14 m<sup>3</sup>/s) Oct. 3, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, unknown, probably occurred Aug. 3, gage height, unknown; minimum daily, 6.2 ft<sup>3</sup>/s (0.176 m<sup>3</sup>/s) May 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	15	13	14	14	14	53	8.8	42	11	16	11
2	19	12	13	14	16	18	32	8.6	35	12	19	9.3
3	15	12	12	14	15	16	20	8.1	27	12	35	8.8
4	13	13	12	13	14	14	17	8.8	75	11	15	8.4
5	11	14	12	13	14	33	17	8.9	29	11	12	8.1
6	10	12	12	13	14	20	18	8.4	15	10	9.0	11
7	11	11	12	19	15	16	15	9.5	19	9.0	8.1	8.3
8	11	12	12	19	16	16	14	12	53	10	9.0	12
9	11	11	13	17	14	15	14	12	19	8.8	8.5	12
10	10	11	13	16	14	14	15	10	13	7.7	9.4	11
11	9.9	11	13	16	61	14	15	9.1	11	8.8	11	7.9
12	9.0	11	13	13	28	14	13	8.8	9.5	19	9.8	7.6
13	8.9	11	12	14	19	14	13	8.6	9.7	8.9	12	7.4
14	9.5	12	12	14	17	14	13	7.6	11	7.9	9.8	7.3
15	9.8	14	12	14	15	13	13	7.9	11	7.6	9.3	7.6
16	9.9	17	13	14	15	13	12	7.9	10	7.6	8.7	7.5
17	9.6	14	14	13	15	13	11	8.3	10	7.3	14	7.4
18	10	14	14	13	24	27	12	9.6	11	7.6	10	8.8
19	10	13	14	13	27	29	11	8.3	11	7.1	9.8	6.4
20	9.7	11	13	13	19	19	13	9.2	11	7.2	9.6	6.4
21	9.6	12	13	14	16	15	24	9.4	8.8	7.0	11	6.7
22	9.7	12	12	13	15	21	16	6.9	10	7.5	13	6.7
23	11	12	28	12	15	21	15	6.4	10	6.7	10	6.9
24	15	13	21	12	14	17	20	6.7	10	6.7	10	7.0
25	15	15	16	12	14	15	16	6.7	11	7.4	9.5	6.7
26	12	13	14	13	14	15	12	8.2	10	20	8.3	7.0
27	10	16	15	13	13	15	11	8.2	9.2	6.8	7.9	6.7
28	11	15	18	13	14	14	10	7.3	9.3	6.8	8.3	6.5
29	12	14	17	12	---	14	9.7	7.0	9.5	7.0	8.5	6.6
30	20	13	16	13	---	18	9.4	6.2	10	7.2	11	6.6
31	19	---	16	14	---	17	---	46	---	7.3	20	---
TOTAL	391.6	386	440	430	501	528	484.1	299.4	530.0	281.9	362.5	241.6
MEAN	12.6	12.9	14.2	13.9	17.9	17.0	16.1	9.66	17.7	9.09	11.7	8.05
MAX	40	17	28	19	61	33	53	46	75	20	35	12
MIN	8.9	11	12	12	13	13	9.4	6.2	8.8	6.7	7.9	6.4
CAL YR 1980 TOTAL	6417.1		MEAN 17.5	MAX 148	MIN 5.2							
WTR YR 1981 TOTAL	4876.1		MEAN 13.4	MAX 75	MIN 6.2							

## SAVANNAH RIVER BASIN

249

02197344 FOUR MILE CREEK AT ROAD A-12.2 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°11'21", long 81°43'26", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on left downstream side of bridge on SRP Road A-12.2, 500 ft (152 m) northwest of SRP Road A-13, 1.0 mi (1.6 km) southeast of Area D.

DRAINAGE AREA.--22.0 mi<sup>2</sup> (57.0 km<sup>2</sup>).

PERIOD OF RECORD.--November 1976 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (34 m) (from topographic map).

REMARKS.--Records fair. Flow regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 903 ft<sup>3</sup>/s (25.6 m<sup>3</sup>/s) Mar. 13, 1980, gage height, 3.93 ft (1.198 m); minimum daily, 28 ft<sup>3</sup>/s (0.79 m<sup>3</sup>/s) July 4, 5, 6, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 585 ft<sup>3</sup>/s (16.6 m<sup>3</sup>/s), Aug. 1, gage height, 3.48 ft (1.061 m); minimum daily, 41 ft<sup>3</sup>/s (1.16 m<sup>3</sup>/s) May 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	96	379	367	149	417	470	385	108	361	430	377
2	---	90	372	362	162	432	437	384	61	372	472	376
3	---	88	369	357	302	407	403	387	69	370	203	376
4	---	89	370	357	365	425	397	390	140	365	141	376
5	---	95	377	358	402	458	400	392	98	369	131	380
6	---	91	372	360	399	429	188	392	88	372	126	381
7	---	94	371	395	398	421	172	399	95	376	127	379
8	72	135	369	389	394	422	172	395	135	365	197	385
9	67	129	368	387	389	416	160	394	79	363	382	386
10	68	115	370	386	388	417	156	393	67	365	381	386
11	69	111	365	387	479	418	387	392	63	372	384	384
12	59	94	364	388	422	416	386	392	63	402	380	384
13	48	93	363	388	403	415	382	395	62	377	382	385
14	47	97	363	387	401	415	375	397	130	376	379	386
15	52	103	362	388	396	409	376	202	97	376	233	386
16	53	104	365	390	394	410	377	147	78	376	124	390
17	89	100	365	396	396	412	377	133	48	377	149	387
18	94	124	361	390	417	424	381	147	69	381	127	389
19	93	143	362	388	421	442	381	146	99	381	126	386
20	99	162	361	389	404	412	384	146	108	383	199	388
21	111	198	360	393	400	406	402	147	71	384	349	389
22	92	385	363	389	399	417	393	94	76	383	378	389
23	92	384	393	390	400	415	388	54	95	381	373	389
24	98	389	376	389	402	404	401	57	202	384	372	389
25	101	395	365	387	404	401	390	54	284	386	370	390
26	100	388	365	150	411	397	386	48	364	402	368	200
27	72	395	368	147	415	398	384	45	363	394	366	123
28	72	391	376	165	413	400	386	44	362	392	368	123
29	87	387	368	150	---	398	389	54	360	391	369	123
30	98	385	365	146	---	408	388	41	361	390	377	141
31	123	---	365	149	---	407	---	43	---	400	393	---
TOTAL		5850	11412	10464	10725	12868	10668	7089	4295	11766	9156	10323
MEAN		195	368	338	383	415	356	229	143	380	295	344
MAX		395	393	396	479	458	470	399	364	402	472	390
MIN		88	360	146	149	397	156	41	48	361	124	123

02197348 PEN BRANCH AT ROAD A-13.2 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°09'34", long 81°41'08", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on left downstream side of bridge on SRP Road A-13.2, 700 ft (213 m) downstream from Seaboard Coastline Railroad bridge, 600 ft (183 m) west of intersection of SRP Roads A-17 and A-17.1.

DRAINAGE AREA.--21.2 mi<sup>2</sup> (54.9 km<sup>2</sup>).

PERIOD OF RECORD.--November 1976 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 100 ft (30 m) (from topographic map).

REMARKS.--Records fair. No estimates of discharge made for periods of no gage height record, Oct. 12 to Dec. 5 and Dec. 9 to Jan. 8. Flow regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 948 ft<sup>3</sup>/s (26.8 m<sup>3</sup>/s) Mar. 13, 1980, gage height, 3.81 ft (1.161 m); minimum daily, 21 ft<sup>3</sup>/s (0.59 m<sup>3</sup>/s) Aug. 4, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 575 ft<sup>3</sup>/s (16.3 m<sup>3</sup>/s), Feb. 11, gage height, 3.15 ft (0.960 m); minimum daily, 43 ft<sup>3</sup>/s (1.218 m<sup>3</sup>/s) Mar. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---		---	---	440	43	173	397	448	274	432	120
2	---		---	---	456	49	170	396	430	393	458	132
3	---		---	---	445	45	136	397	431	421	442	133
4	---		---	---	438	45	133	401	424	415	388	153
5	---		437	---	440	64	129	403	459	417	206	214
6	---		437	---	440	56	125	400	430	429	378	327
7	---		433	---	445	77	100	407	434	427	403	387
8	439		436	439	447	83	97	406	450	425	398	387
9	436		439	433	438	62	112	396	435	422	403	381
10	431		---	435	439	55	109	397	429	419	403	380
11	437		---	435	545	57	76	394	432	417	407	381
12	441		---	429	479	55	93	391	422	417	403	382
13	---		---	430	465	57	119	390	417	411	403	383
14	---		---	432	459	55	102	389	334	418	402	385
15	---		---	432	450	46	99	393	308	414	403	382
16	---		---	432	447	74	95	396	413	412	396	391
17	---		---	429	345	76	90	397	415	405	444	391
18	---		---	431	277	59	90	398	411	404	408	393
19	---		---	432	280	56	162	402	421	413	399	389
20	---		---	433	270	54	86	408	415	404	402	385
21	---		---	437	257	60	119	408	423	412	408	388
22	---		---	434	231	74	238	421	424	406	406	389
23	---		---	435	124	77	401	406	422	398	406	386
24	---		---	433	70	89	403	408	427	398	405	387
25	---		---	434	57	80	398	407	420	399	401	387
26	---		---	443	79	104	392	410	418	400	401	389
27	---		---	441	84	117	392	422	421	409	403	393
28	---		---	443	44	112	390	412	304	407	405	395
29	---		---	439	---	104	396	413	291	402	408	399
30	---		---	448	---	110	408	413	280	403	375	400
31	---		---	443	---	103	---	439	---	413	130	---
TOTAL					9391	2198	5833	12517	12188	12604	12126	10389
MEAN					335	70.9	194	404	406	407	391	346
MAX					545	117	408	439	459	429	458	400
MIN					44	43	76	389	280	274	130	120



## SAVANNAH RIVER BASIN

251

02197357 STEEL CREEK NEAR SNELLING, S.C.

LOCATION.--Lat 33°05'46", long 81°37'04", Barnwell County, Hydrologic Unit 03060106, 15.4 mi (24.8 km) upstream from Lower Three Runs at mile 141.6.

PERIOD OF RECORD.--Water year 1980 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1979 to current year.

INSTRUMENTATION.--Servo Programmer since October 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 31.0°C July 13, 1980; minimum, 0.5°C Jan. 13, 1981.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 29.5°C June 16, 22-23, July 16, 1981; minimum, 0.5°C Jan. 13, 1981.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MFAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	19.5	19.0	19.5	14.5	12.5	13.5	9.0	7.5	8.5	9.0	7.0	8.0
2	21.0	19.5	20.5	14.0	12.0	13.0	10.5	8.0	9.0	8.0	6.5	7.0
3	21.0	19.5	20.5	14.0	12.5	13.5	11.0	10.0	10.5	6.5	4.5	5.5
4	19.5	17.5	18.5	15.5	14.0	14.5	10.0	8.5	9.0	7.0	5.5	6.0
5	18.0	17.0	17.5	15.0	13.5	14.0	9.0	7.0	8.0	5.0	2.5	3.5
6	17.0	16.0	16.5	13.5	11.5	12.5	9.5	7.0	8.5	3.5	1.0	2.0
7	16.5	15.0	16.0	12.5	10.0	11.0	10.5	8.0	9.5	5.5	3.5	4.5
8	17.0	14.5	16.0	13.5	10.5	12.0	11.0	9.0	10.5	5.0	3.5	4.0
9	18.0	15.5	16.5	14.5	12.0	13.0	13.0	10.5	11.5	4.0	3.0	3.5
10	19.0	17.0	18.0	15.5	13.5	14.5	14.5	13.0	13.5	4.0	3.0	3.5
11	20.0	18.0	19.0	14.0	12.5	13.5	13.5	11.5	12.5	3.5	2.5	3.0
12	19.5	17.5	18.5	12.5	10.5	11.5	11.0	10.0	10.5	3.0	1.0	2.0
13	17.5	16.0	16.5	10.5	9.5	10.5	10.5	9.0	10.0	2.0	.5	1.0
14	16.0	14.0	15.0	12.5	10.5	11.5	11.0	9.5	10.0	4.0	1.5	2.5
15	16.5	14.0	15.5	14.0	13.0	13.5	10.0	8.5	9.5	6.5	4.0	5.5
16	18.0	15.5	16.5	14.5	14.0	14.0	10.0	9.5	9.5	7.0	5.0	6.0
17	19.5	17.5	18.5	14.5	12.5	13.5	10.5	9.0	10.0	6.0	4.0	5.0
18	20.5	19.0	20.0	13.0	12.0	12.5	9.5	8.0	8.5	5.0	3.0	4.0
19	22.0	20.5	21.0	12.0	9.5	10.5	9.5	7.5	9.0	6.0	3.5	5.0
20	21.0	19.5	20.5	9.5	8.0	9.0	10.5	9.0	10.0	7.5	5.5	6.5
21	19.5	17.5	18.5	10.0	9.0	9.5	9.0	6.0	7.0	8.5	7.5	8.0
22	18.0	17.5	18.0	9.5	8.0	8.5	5.5	4.5	5.5	9.0	8.0	8.5
23	17.5	17.0	17.5	10.0	9.5	10.0	6.0	5.0	5.5	9.5	8.0	8.5
24	17.0	15.5	16.0	10.0	10.0	10.0	7.5	5.5	6.5	9.5	7.5	8.5
25	16.0	14.5	15.5	10.0	10.0	10.0	7.5	5.0	6.5	9.0	7.0	8.0
26	14.0	13.0	13.5	10.0	10.0	10.0	5.0	3.5	4.0	9.5	7.0	8.5
27	14.0	12.0	13.0	10.0	10.0	10.0	3.5	3.0	3.5	12.5	9.5	11.0
28	15.0	13.5	14.5	10.0	9.5	10.0	5.5	3.5	4.5	13.5	11.5	12.5
29	16.5	14.5	15.5	9.5	8.0	9.0	8.5	6.0	7.5	11.5	10.0	11.0
30	16.5	14.5	16.0	9.5	8.0	8.5	9.0	8.5	8.5	10.0	7.5	9.0
31	14.5	13.5	14.0	---	---	---	9.5	8.5	9.0	7.0	5.5	6.5

02197357 STEEL CREEK NEAR SNELLING, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.5	22.5	24.0	22.5	22.0	22.5	23.5	22.5	23.0	24.5	24.0	24.5
2	25.5	24.0	24.5	22.5	22.0	22.0	24.5	23.0	23.5	25.0	24.5	24.5
3	26.0	23.5	24.5	22.5	21.5	22.0	25.5	23.5	24.5	25.0	24.5	24.5
4	26.5	23.5	24.5	24.0	22.0	23.0	26.0	25.0	25.5	25.0	24.0	24.5
5	27.0	23.5	25.5	25.5	23.0	24.0	26.5	25.5	26.0	24.5	24.5	24.5
6	28.0	26.0	27.0	26.0	23.5	25.0	27.0	26.0	26.5	24.5	24.0	24.0
7	27.5	26.0	26.5	27.0	24.5	26.0	27.0	26.5	26.5	24.5	24.0	24.0
8	26.0	25.0	25.5	27.5	26.0	26.5	26.5	26.0	26.0	25.0	24.5	24.5
9	27.5	25.5	26.5	28.0	26.5	27.0	26.0	25.5	26.0	25.0	24.0	24.5
10	28.5	26.5	27.5	28.0	27.0	27.5	26.5	25.5	26.0	24.0	23.5	23.5
11	29.0	27.0	28.0	28.5	27.0	28.0	26.0	25.5	26.0	23.5	23.0	23.0
12	27.5	26.0	27.0	28.0	27.0	27.5	26.0	25.5	25.5	23.0	22.5	23.0
13	28.5	26.0	27.5	28.0	26.5	27.5	26.0	25.0	25.5	23.0	23.0	23.0
14	29.0	26.5	28.0	28.5	27.0	28.0	26.0	25.5	25.5	23.5	23.0	23.5
15	29.0	26.5	28.0	29.0	27.5	28.5	26.0	25.5	26.0	24.0	23.5	24.0
16	29.5	26.5	28.0	29.5	28.0	28.5	26.5	26.0	26.0	24.0	24.0	24.0
17	29.0	26.5	28.0	29.0	27.5	28.5	26.5	26.0	26.0	24.0	23.5	24.0
18	29.0	26.5	27.5	29.0	27.5	28.0	26.0	24.5	25.0	23.5	22.5	23.0
19	28.0	26.5	27.0	28.5	27.0	28.0	24.0	23.0	23.5	22.0	20.5	21.0
20	28.0	26.0	27.0	28.5	27.0	27.5	23.0	22.0	22.5	20.5	19.5	20.0
21	29.0	26.5	27.5	28.5	27.0	28.0	22.5	22.0	22.0	19.5	19.0	19.5
22	29.5	27.0	28.0	28.5	27.0	27.5	22.5	22.0	22.0	19.5	19.0	19.5
23	29.5	27.0	28.0	28.0	26.5	27.5	22.5	22.5	22.5	20.0	19.5	19.5
24	29.0	27.0	28.0	28.0	26.5	27.0	22.5	22.0	22.0	20.0	19.5	20.0
25	28.0	26.0	27.0	27.5	26.5	27.0	23.0	22.5	22.5	20.0	19.5	19.5
26	27.5	26.5	27.0	27.5	26.0	26.5	23.5	23.0	23.0	19.5	19.0	19.0
27	27.0	26.0	26.5	27.5	26.0	26.5	23.5	23.0	23.0	19.5	19.0	19.0
28	26.0	24.0	25.0	28.0	26.0	27.0	23.5	23.0	23.0	20.0	19.5	19.5
29	24.5	22.5	23.5	28.5	26.5	27.5	24.0	23.5	23.5	20.5	20.0	20.0
30	23.5	21.5	22.5	27.0	24.5	26.0	24.5	24.0	24.0	21.0	20.5	20.5
31	---	---	---	24.5	22.5	23.5	25.0	24.0	24.5	---	---	---

YEAR	29.5	.5	17.0
------	------	----	------

## SAVANNAH RIVER BASIN

253

02197359 STEEL CREEK AT OLD HATTIESVILLE BRIDGE (SAVANNAH RIVER PLANT), S.C.

LOCATION.--Lat 33°07'05", long 81°37'43", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, 0.5 mi (.80 km) downstream from Seaboard Coastline Railroad bridge, 1.0 mi (1.6 km) west of eastern boundary fence.

DRAINAGE AREA.--34.4 mi<sup>2</sup> (89.1 km<sup>2</sup>).

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

GAGE.--Water-stage recorder. Altitude of gage is 95 ft (29 m) (from topographic map).

REMARKS.--Records poor. No estimates of discharges made for periods of no gage-height record, Mar. 4 to Apr. 2. Flow regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 460 ft<sup>3</sup>/s (13.0 m<sup>3</sup>/s) Feb. 24, 1979, gage height, 4.50 ft (1.372 m); minimum daily, 8.4 ft<sup>3</sup>/s (0.24 m<sup>3</sup>/s) May 24, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 258 ft<sup>3</sup>/s (7.31 m<sup>3</sup>/s), Aug. 2, gage height, 3.83 ft (1.167 m); minimum daily, 8.4 ft<sup>3</sup>/s (0.238 m<sup>3</sup>/s) May 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	51	---	---	---	36	85	36	60	64
2	---	---	---	33	---	---	100	46	30	43	184	61
3	---	---	---	31	---	---	74	36	25	35	109	60
4	---	---	---	30	---	---	56	35	53	31	70	61
5	---	---	37	72	41	---	44	41	86	29	52	61
6	---	20	31	90	41	---	44	49	56	43	44	58
7	---	19	32	79	48	---	34	41	36	49	47	51
8	33	35	31	73	---	---	34	42	55	33	58	51
9	35	61	32	53	---	---	39	38	55	30	57	50
10	35	45	36	54	---	---	43	35	46	31	52	47
11	35	---	42	---	---	---	40	35	36	30	43	48
12	34	---	37	---	---	---	30	34	37	79	49	48
13	34	---	35	---	---	---	28	29	26	62	69	48
14	35	---	33	---	---	---	28	36	18	56	56	42
15	35	---	31	---	---	---	27	37	25	46	52	51
16	28	---	34	---	---	---	26	22	22	31	51	52
17	18	---	32	---	---	---	25	20	24	27	109	47
18	17	---	30	---	---	---	25	20	15	32	89	35
19	18	---	32	---	---	---	22	18	12	34	64	28
20	17	---	35	---	---	---	24	14	22	39	65	30
21	---	---	39	---	---	---	52	37	19	59	49	24
22	---	---	42	---	---	---	49	12	53	33	47	22
23	---	---	79	---	---	---	38	10	62	33	52	21
24	---	---	75	---	---	---	47	8.4	59	28	56	22
25	---	---	47	---	---	---	70	9.2	75	33	51	22
26	---	---	39	---	---	---	78	10	124	34	46	21
27	---	---	45	---	---	---	60	25	133	33	44	24
28	---	---	59	---	---	---	62	46	108	32	43	24
29	---	---	62	---	---	---	36	18	87	30	45	24
30	---	---	61	---	---	---	40	12	36	57	46	23
31	---	---	62	---	---	---	---	17	---	74	70	---
TOTAL								868.6	1520	1242	1929	1720
MEAN								28.0	50.7	40.1	62.2	40.7
MAX								49	133	79	184	64
MIN								8.4	12	27	43	21

02197370 SAVANNAH RIVER BELOW STEEL CREEK NEAR MILLETT, S.C.

LOCATION.--Lat 33°04'58", long 81°35'54", Allendale County, Hydrologic Unit 03060106, on left bank 2.8 mi (4.5 km) downstream from Steel Creek, 12.6 mi (20.3 km) upstream from Lower Three Runs, 3.7 mi (6.0 km) west of Millett and at mile 138.8 (223.3 km).

PERIOD OF RECORD.--Water years 1972 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1971 to current year.

INSTRUMENTATION.--Servo Programmer since October 1971.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 29.0°C June 23, 1981; minimum, 4.0°C Jan. 20, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 29.0°C June 23; minimum, 6.0°C Jan. 13.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	20.0	20.0	20.0	18.0	17.5	17.5	13.0	12.0	12.5	11.0	10.0	10.5
2	21.0	20.0	20.5	17.5	17.0	17.0	13.0	12.0	12.5	10.5	10.0	10.5
3	21.5	21.0	21.0	17.5	17.0	17.5	13.5	13.0	13.0	10.5	9.5	10.0
4	21.5	20.5	21.0	18.0	17.5	18.0	13.0	12.5	13.0	10.0	9.5	10.0
5	21.5	20.5	21.0	18.0	17.5	18.0	13.0	12.5	12.5	9.5	8.5	9.0
6	20.5	20.0	20.0	17.5	17.0	17.0	12.5	12.0	12.0	8.5	8.0	8.5
7	20.5	19.0	19.5	17.0	16.5	17.0	13.0	12.0	12.5	9.0	8.5	8.5
8	20.5	19.0	19.5	17.5	16.5	17.0	13.5	12.5	13.0	9.0	8.5	8.5
9	21.0	19.0	20.0	17.5	16.5	17.0	14.0	13.0	13.5	8.5	8.0	8.5
10	22.0	20.0	21.0	18.0	17.0	17.5	15.0	14.0	14.5	8.5	8.0	8.0
11	22.0	21.0	21.5	17.5	16.5	17.0	14.5	14.0	14.0	8.0	7.5	8.0
12	22.0	21.0	21.5	17.0	16.0	16.5	13.5	13.0	13.5	7.5	7.0	7.5
13	21.5	20.0	20.5	16.0	15.5	16.0	13.5	12.5	13.0	7.0	6.0	6.5
14	20.5	19.5	20.0	16.0	15.5	15.5	13.0	12.5	13.0	7.0	6.5	7.0
15	20.5	19.0	19.5	16.5	16.0	16.0	12.5	12.0	12.5	8.5	7.0	8.0
16	20.5	19.0	20.0	17.0	16.5	16.5	12.5	12.0	12.0	8.5	8.0	8.0
17	21.0	20.0	20.5	16.5	16.0	16.0	12.5	12.0	12.0	8.5	7.5	8.0
18	22.0	21.0	21.5	16.0	15.5	15.5	12.0	11.5	12.0	8.0	7.0	7.5
19	22.5	21.5	22.0	15.5	14.0	15.0	12.5	11.5	12.0	8.5	7.5	8.0
20	22.5	21.5	22.0	14.0	13.5	14.0	12.5	12.0	12.0	9.0	8.0	8.5
21	21.5	20.5	21.0	14.5	13.5	14.0	12.0	10.5	11.0	9.0	8.5	9.0
22	20.5	20.0	20.5	13.5	13.0	13.5	10.5	10.0	10.0	9.0	8.5	9.0
23	20.0	19.0	19.5	14.5	13.5	14.0	10.0	9.5	9.5	9.5	8.5	9.0
24	19.0	18.0	18.5	15.0	14.5	14.5	10.0	9.5	9.5	9.5	9.0	9.5
25	18.5	18.0	18.0	15.5	15.0	15.0	10.0	9.0	9.5	10.0	8.5	9.5
26	18.0	17.0	17.5	15.0	14.5	14.5	9.0	8.5	8.5	10.0	9.0	9.5
27	17.5	16.5	17.0	14.5	14.0	14.0	8.5	8.5	8.5	10.5	9.5	10.0
28	17.5	17.0	17.0	14.0	13.0	13.5	8.5	8.0	8.5	11.5	10.5	11.0
29	18.0	17.5	17.5	13.0	12.5	12.5	9.5	8.5	9.0	11.0	10.0	10.5
30	18.5	18.0	18.0	13.0	12.0	12.5	10.0	9.5	10.0	10.5	9.0	10.0
31	18.0	17.5	17.5	---	---	---	11.0	10.0	10.5	9.0	8.5	8.5

## 255

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.0	8.0	8.5	13.5	12.5	13.0	17.0	16.5	17.0	21.0	19.5	20.5
2	9.5	8.5	9.0	14.5	13.5	13.5	17.0	16.0	16.5	20.5	18.5	19.5
3	9.0	7.5	8.0	14.0	12.5	13.5	17.0	16.0	16.5	20.0	18.0	19.0
4	8.0	7.0	7.5	13.5	12.5	13.0	17.5	16.5	17.0	19.5	17.5	19.0
5	7.5	6.5	7.0	13.5	13.0	13.5	17.0	16.5	17.0	21.0	18.0	19.0
6	7.0	6.5	7.0	13.5	12.5	13.0	17.0	16.0	16.5	20.5	18.5	19.5
7	8.0	7.0	7.5	13.0	12.5	13.0	16.5	15.5	16.0	20.5	19.0	19.5
8	8.5	8.0	8.5	13.0	12.0	12.5	16.5	15.0	15.5	19.0	17.5	18.0
9	9.0	8.0	8.5	13.0	11.5	12.0	17.0	15.0	16.0	18.5	17.5	18.0
10	10.5	8.5	9.5	13.5	12.0	12.5	17.5	16.0	17.0	18.5	17.5	18.0
11	11.5	10.0	11.0	13.0	12.0	12.5	18.5	17.0	17.5	18.0	17.5	18.0
12	10.0	8.5	9.0	13.5	12.0	12.5	19.0	17.5	18.5	19.5	17.5	18.5
13	8.5	7.0	7.5	13.0	12.5	12.5	19.5	18.0	19.0	20.0	18.0	19.0
14	8.0	7.0	7.5	13.5	12.0	12.5	20.0	18.5	19.0	20.5	17.0	19.0
15	9.5	7.5	8.5	13.0	12.0	12.5	19.5	18.0	19.0	23.0	18.0	21.0
16	11.5	9.5	10.5	14.0	13.0	13.5	19.0	17.5	18.0	21.0	19.0	20.0
17	12.5	11.0	11.5	13.5	12.0	13.0	19.0	17.0	18.5	20.5	18.5	19.5
18	13.0	12.0	12.5	13.5	12.5	13.0	19.5	17.5	19.0	20.5	18.5	19.5
19	13.5	12.5	13.0	13.0	12.0	12.5	20.0	18.0	19.0	21.0	19.0	20.0
20	13.0	12.5	13.0	12.5	11.5	12.0	19.0	17.5	18.0	21.0	19.0	20.0
21	13.0	12.0	12.5	12.5	11.5	12.0	17.5	17.0	17.5	20.0	18.5	19.5
22	13.0	12.0	12.5	12.5	11.5	12.0	18.5	17.5	17.5	20.0	18.0	19.0
23	14.0	12.5	13.0	11.5	11.0	11.0	18.5	17.0	18.0	20.0	19.0	19.5
24	13.0	12.0	12.5	12.0	11.0	11.5	19.5	17.5	18.0	21.5	19.5	20.5
25	13.5	12.0	12.5	13.0	11.5	12.0	21.0	18.0	19.0	22.0	18.0	20.0
26	14.0	12.0	13.0	14.5	12.0	13.0	21.0	18.5	20.0	24.0	19.5	22.0
27	14.0	12.5	13.0	15.0	13.0	14.0	22.0	19.5	20.5	24.5	20.0	22.0
28	13.0	12.5	13.0	15.5	14.5	15.0	---	---	---	22.0	20.0	21.0
29	---	---	---	16.0	15.0	15.5	21.5	20.0	21.0	22.0	20.0	21.0
30	---	---	---	16.5	15.0	16.0	21.5	19.5	20.5	22.0	20.0	21.0
31	---	---	---	17.5	16.0	16.5	---	---	---	22.5	20.5	21.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	23.0	21.5	22.0	25.0	21.0	23.0	24.5	24.5	24.5	25.5	24.5	25.0
2	23.0	22.0	22.5	24.0	21.0	21.5	24.5	24.0	24.0	25.5	24.0	25.0
3	23.5	22.5	23.0	27.5	21.5	23.0	24.0	23.5	24.0	25.5	24.5	25.5
4	24.0	22.5	23.0	25.5	22.0	23.0	25.0	24.0	24.5	25.5	24.0	25.0
5	24.5	23.5	24.0	23.5	22.0	23.0	25.5	24.5	25.0	25.0	23.5	24.5
6	25.0	23.5	24.5	24.5	22.5	23.5	26.0	25.0	25.5	25.0	23.5	24.5
7	25.0	24.0	24.5	25.5	23.5	24.5	26.0	24.5	25.0	25.0	24.0	24.5
8	24.0	23.5	24.0	26.5	24.0	26.0	26.0	25.0	25.5	25.0	24.0	24.5
9	24.5	23.5	24.0	27.0	25.0	26.0	25.5	25.0	25.5	26.0	24.5	25.0
10	25.5	24.0	24.5	27.0	25.5	26.0	25.5	25.5	25.5	26.0	24.0	25.0
11	26.0	25.0	25.5	27.5	26.0	26.5	25.5	25.5	25.5	25.5	24.0	25.0
12	26.0	25.0	25.5	27.0	25.0	26.5	26.0	25.0	25.5	25.5	24.5	25.0
13	26.5	25.0	25.5	27.0	25.0	26.0	26.0	25.5	25.5	25.0	23.5	24.0
14	27.0	25.0	26.0	27.5	26.0	26.5	26.0	25.5	26.0	25.0	23.5	24.0
15	27.0	24.5	26.0	28.0	26.0	27.0	26.5	25.5	26.0	25.0	23.0	24.0
16	27.0	24.5	26.0	28.0	26.5	27.0	26.5	26.0	26.0	25.0	24.0	24.5
17	27.0	24.5	25.5	27.5	26.5	27.0	26.5	26.0	26.0	25.0	23.5	24.0
18	26.5	25.0	25.5	27.5	26.0	26.5	26.0	25.0	25.5	24.5	23.5	23.5
19	26.0	24.0	24.5	27.0	26.5	26.5	25.0	24.0	24.5	23.5	22.0	23.0
20	25.5	24.5	25.0	26.5	26.0	26.5	24.0	23.5	23.5	23.0	21.5	22.5
21	26.5	24.5	25.5	26.5	25.5	26.0	23.5	23.0	23.5	22.5	21.0	22.0
22	26.5	24.5	25.5	27.0	26.5	26.5	23.5	23.0	23.0	22.5	20.5	22.0
23	29.0	24.5	26.0	27.0	26.0	26.5	23.5	23.0	23.5	23.0	21.5	22.0
24	26.5	25.0	25.5	27.0	25.5	26.5	24.0	23.0	23.5	23.0	22.0	22.5
25	26.5	24.5	25.5	27.0	26.0	26.5	24.5	23.5	24.0	23.0	21.5	22.5
26	25.5	23.5	25.0	26.5	25.5	26.0	25.0	24.5	24.5	23.0	21.5	22.5
27	25.5	24.0	24.5	26.5	26.0	26.0	25.0	24.5	24.5	23.0	21.5	22.0
28	25.0	23.5	24.5	27.0	26.0	26.5	25.0	24.5	25.0	23.0	21.5	22.0
29	25.0	23.0	24.0	27.0	26.0	26.5	25.0	24.5	25.0	23.0	22.0	22.5
30	25.0	23.5	24.5	27.0	26.0	26.5	25.0	25.0	25.0	23.0	22.5	22.5
31	---	---	---	26.0	25.0	25.0	25.0	24.0	24.5	---	---	---
YFAR	29.0	6.0	18.0									

LOCATION.--Lat 33°14'07", long 81°31'00", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on right wingwall of spillway culvert below Par Pond, 200 ft (61 m) upstream of SRP Road B bridge.

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

GAGE.--Water-stage recorder. Altitude of gage is 145 ft (44 m) (from topographic map).

REMARKS.--Records fair, except those for periods of no gage-height record, Apr. 4 to May 4, which are poor. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--7 years, 32.9 ft<sup>3</sup>/s (0.932 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 152 ft<sup>3</sup>/s (4.30 m<sup>3</sup>/s) May 30, 1977, gage height, 3.10 ft (0.945 m); minimum daily, 1.9 ft<sup>3</sup>/s (0.054 m<sup>3</sup>/s) Sept. 28-30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 103 ft<sup>3</sup>/s (2.91 m<sup>3</sup>/s), June 7, gage height, 2.59 ft (0.789 m); minimum daily, 1.9 ft<sup>3</sup>/s (0.054 m<sup>3</sup>/s) Sept. 28-30.

DAY	UCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	7.3	19	25	20	25	32	10	46	3.7	20	16
2	33	7.3	19	24	25	28	37	10	48	4.2	30	15
3	32	6.7	19	23	23	28	26	9.4	53	4.7	36	13
4	29	5.3	18	22	22	25	25	8.8	73	4.0	36	12
5	26	6.7	18	22	22	31	29	8.8	84	4.7	35	11
6	24	7.0	18	21	21	30	33	10	74	11	33	11
7	23	6.7	19	24	23	25	28	14	78	11	32	11
8	22	6.7	19	24	24	22	26	16	85	9.6	30	11
9	20	7.0	19	20	23	20	25	16	71	8.8	29	11
10	18	7.3	20	18	23	20	23	16	59	8.4	28	7.7
11	17	6.7	21	15	36	19	23	19	53	8.4	30	6.4
12	15	6.4	20	14	35	19	22	18	56	9.6	30	5.5
13	14	6.4	20	11	33	19	21	18	53	12	33	4.9
14	12	6.4	20	11	32	18	20	18	51	17	31	9.2
15	11	7.0	20	12	31	18	19	18	48	16	29	7.0
16	11	7.0	21	13	30	19	18	16	46	15	27	5.3
17	10	7.0	21	15	30	19	18	15	45	16	29	4.7
18	9.2	8.0	21	14	32	21	17	14	44	12	27	4.2
19	8.8	7.0	21	14	36	28	16	14	44	14	26	3.8
20	8.4	7.0	21	15	37	23	17	14	45	8.4	23	3.5
21	7.7	7.7	20	18	35	21	22	14	44	8.8	21	3.1
22	7.7	8.0	19	18	34	30	21	11	39	4.5	20	2.7
23	10	9.2	24	18	32	33	19	11	35	9.6	19	2.3
24	8.8	11	25	18	30	26	21	12	31	11	20	2.0
25	9.2	14	26	18	29	23	19	14	29	16	19	1.9
26	7.0	15	25	18	27	23	19	15	23	25	18	1.8
27	6.4	17	23	18	26	22	17	19	18	24	17	1.8
28	6.7	19	25	20	25	21	14	25	10	23	15	1.8
29	6.4	19	26	20	---	20	12	26	4.7	23	14	1.8
30	7.7	18	25	20	---	23	11	27	4.2	23	14	1.8
31	8.0	---	25	20	---	27	---	30	---	22	17	---
TOTAL	464.0	274.8	657	563	796	726	650	487.0	1393.9	388.4	788	194.2
MEAN	15.0	9.16	21.2	18.2	28.4	23.4	21.7	15.7	46.5	12.5	25.4	6.47
MAX	35	19	26	25	37	33	37	30	85	25	36	16
MIN	6.4	5.3	18	11	20	18	11	8.8	4.2	3.7	14	1.8
CAL YR 1980	TOTAL	12997.4	MEAN	35.5	MAX	127	MIN	5.3				
WTR YR 1981	TOTAL	7382.3	MEAN	20.2	MAX	85	MIN	1.8				



## SAVANNAH RIVER BASIN

257

02197400 LOWER THREE RUNS NEAR SNELLING, S.C.

LOCATION.--Lat 33°10'35", long 81°28'50", Barnwell County, Hydrologic Unit 03060106, near left bank at upstream side of bridge on State road 20, 1.0 mi (1.6 km) upstream from Patterson Branch and 4.7 mi (7.6 km) south of Snelling.

DRAINAGE AREA.--59.3 mi<sup>2</sup> (153.6 km<sup>2</sup>).

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

GAGE.--Water-stage recorder. Altitude of gage is 117 ft (36 m) from Topographic Branch.

REMARKS.--Records good, except those below 70 ft<sup>3</sup>/s (1.982 m<sup>3</sup>/s), which are fair.

AVERAGE DISCHARGE.--7 years, 95.6 ft<sup>3</sup>/s (2.707 m<sup>3</sup>/s), 21.89 in/yr (556 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 735 ft<sup>3</sup>/s (20.8 m<sup>3</sup>/s) Mar. 13, 1980, gage height, 3.99 ft (1.216 m); minimum daily, 16 ft<sup>3</sup>/s (0.45 m<sup>3</sup>/s) Sept. 27-30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 351 ft<sup>3</sup>/s (9.94 m<sup>3</sup>/s) June 5; maximum gage height, 3.12 ft (0.951 m); minimum daily, 16 ft<sup>3</sup>/s (0.45 m<sup>3</sup>/s) Sept. 27-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	48	61	77	60	79	90	33	90	19	21	19
2	119	43	61	75	93	100	90	31	105	19	99	19
3	96	40	61	72	88	93	107	27	104	19	78	19
4	84	40	59	70	71	79	98	26	138	19	61	19
5	73	41	58	70	67	130	93	23	287	19	53	19
6	68	40	58	67	65	99	98	23	174	33	48	19
7	62	39	58	80	74	72	86	34	156	30	48	19
8	59	39	58	73	77	65	81	41	212	21	49	19
9	54	40	59	64	71	62	78	33	172	19	42	19
10	50	41	61	59	67	61	75	32	138	19	40	19
11	48	41	65	56	195	60	73	32	116	19	46	19
12	43	40	62	52	195	59	71	32	167	19	47	18
13	40	41	61	48	119	59	68	30	130	19	55	18
14	38	42	60	49	108	58	64	29	111	19	47	18
15	37	59	54	50	102	57	62	28	100	19	41	18
16	36	70	64	49	98	59	59	27	92	19	37	18
17	36	51	67	51	95	61	55	25	85	19	56	18
18	36	49	63	50	127	63	54	26	80	19	47	18
19	35	48	62	49	179	92	51	24	78	19	41	17
20	35	44	61	50	140	71	50	24	79	19	39	17
21	33	44	60	64	118	64	74	25	79	19	32	17
22	34	44	59	61	107	80	64	21	69	19	29	17
23	37	44	107	60	100	105	59	19	57	19	29	17
24	58	52	104	57	99	79	72	19	52	20	32	17
25	55	64	86	56	95	72	65	19	55	20	27	17
26	46	57	75	57	90	69	56	19	40	20	24	17
27	39	74	74	56	86	67	48	20	32	20	22	16
28	39	74	88	59	82	65	42	44	23	20	20	16
29	40	65	86	59	---	62	37	40	19	20	19	16
30	63	62	81	59	---	72	34	38	19	20	19	16
31	62	---	82	64	---	82	---	40	---	20	19	---
TOTAL	1741	1476	2121	1863	2868	2296	2054	884	3059	624	1267	535
MEAN	56.2	49.2	68.4	60.1	102	74.1	68.5	28.5	102	20.1	40.9	17.8
MAX	186	74	107	80	195	130	107	44	287	33	99	19
MIN	33	39	54	48	60	57	34	19	19	19	19	16
CAL YR 1980	TOTAL	37349	MEAN	102	MAX	625	MIN	24				
WTR YR 1981	TOTAL	20788	MEAN	57.0	MAX	287	MIN	16				

## SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.  
(National stream-quality accounting network station)  
(Radiochemical program station)  
(Pesticide program station)

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County (Ga.) - Jasper County (S.C.), Hydrologic Unit 03060109, at Georgia-South Carolina State line, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3.0 mi (4.8 km) north of Clyo, and at mile 60.9 (98.0 km).

DRAINAGE AREA.--9,850 mi<sup>2</sup> (25,510 km<sup>2</sup>), approximately.

## WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1112: 1940.

GAGE.--Water-stage recorder. Datum of gage is 13.41 ft (4.087 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft (1.219 m) higher. Jan. 31, 1933, to June 12, 1945, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500), and by other powerplants above station.

AVERAGE DISCHARGE.--48 years, 12,100 ft<sup>3</sup>/s (343 m<sup>3</sup>/s), 16.68 in/yr (424 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 270,000 ft<sup>3</sup>/s (7,950 m<sup>3</sup>/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 ft<sup>3</sup>/s (3,400 m<sup>3</sup>/s); minimum daily, 1,950 ft<sup>3</sup>/s (55.2 m<sup>3</sup>/s) Sept. 27, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,600 ft<sup>3</sup>/s (385 m<sup>3</sup>/s) Feb. 16, gage height, 10.39 ft (3.167 m); minimum daily, 5,730 ft<sup>3</sup>/s (162 m<sup>3</sup>/s) Sept. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9530	7860	8190	7830	7580	8070	8250	6580	6550	6370	5930	6360
2	9990	8300	8010	7660	8070	8220	8980	6390	6570	6080	6000	6500
3	10200	8570	7700	7730	8130	8050	10100	6280	7510	5880	6290	6450
4	10100	8110	7580	7700	7850	7900	10800	6320	8410	5770	6770	6330
5	9990	7570	7470	7590	7970	8000	10900	6350	8400	5820	6960	6430
6	9610	7490	7980	7610	8320	8150	10500	6250	8260	6080	6880	6820
7	8680	7870	9200	7580	8520	8350	9960	6160	8340	6270	6780	6730
8	7950	8030	8860	7870	8510	8540	9460	6200	8590	6270	6600	6270
9	7570	7860	7820	8350	8370	8590	8980	6230	8840	6180	6320	6030
10	7330	7750	7250	8420	8090	8390	8620	6300	8930	6110	6080	5930
11	7260	7610	7250	8180	7770	8080	8390	6490	9250	6170	6130	5890
12	7360	7310	7600	8020	7890	7800	8160	6480	9970	6320	6230	5920
13	7360	7320	7900	7940	9630	7720	7980	6300	9790	6350	6480	6000
14	7210	7740	7770	7790	11600	7760	7830	6120	8610	6220	6850	6210
15	6960	8080	7600	8100	12700	7950	7550	6040	7660	6100	7120	6240
16	6810	8210	7320	8560	13400	8030	7380	6030	7240	6000	7260	6100
17	6850	8330	7100	8270	13200	7750	7290	6190	7320	5930	7290	6020
18	7130	8180	7150	7660	11200	7390	7160	6170	7350	5920	7230	6160
19	7410	7970	7290	7730	9780	7260	7100	6140	7550	5830	7320	6270
20	7460	8660	7220	8100	9900	7840	7170	6150	7700	5800	7330	6200
21	7400	8770	7360	7820	10200	8570	7220	6200	7480	6190	7220	6130
22	7010	8340	7490	7320	10100	8590	7110	6490	7140	6690	7050	6150
23	6850	8190	7600	7210	9710	8730	7350	6690	6600	6440	7000	6280
24	6870	7930	8010	7460	9410	8900	7730	6430	6270	6150	7240	6160
25	7100	7590	8380	7530	9020	8820	7520	6200	6070	5900	7240	5870
26	7350	7410	8140	7400	8590	8570	7360	6040	6190	5770	6870	5730
27	7450	7570	7890	7540	8180	8350	7270	5950	6440	5780	6600	5880
28	7530	7840	7830	7540	7970	8190	7080	5820	6480	5970	6510	6020
29	7530	8370	7990	7470	---	8220	6870	5810	6500	6000	6400	6090
30	7660	8430	8260	7630	---	8130	6710	6070	6530	5990	6300	6100
31	7700	---	8180	7630	---	8070	---	6330	---	5960	6320	---
TOTAL	243210	239260	241470	241240	261660	252980	244780	193200	228540	188310	208600	185270
MEAN	7845	7975	7789	7782	9345	8161	8159	6232	7618	6075	6729	6176
MAX	10200	8770	9200	8560	13400	8900	10900	6690	9970	6690	7330	6820
MIN	6810	7310	7100	7210	7580	7260	6710	5810	6070	5770	5930	5730
CAL YR 1980 TOTAL	5368370			14670		58000		5970				
WTR YR 1981 TOTAL	2728520			7475		13400		5730				

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1965 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHDS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
OCT												
08...	1240	8110	88	7.0	20.0	3.8	7.1	58	108	20	6.0	1.3
23...	0900	6850	--	7.3	20.0	--	8.4	--	--	--	--	--
NOV												
19...	1030	7920	--	6.6	15.0	--	8.1	--	--	--	--	--
21...	1130	8800	70	6.8	12.5	1.6	9.4	--	--	15	4.0	1.1
DEC												
09...	1130	7850	76	6.9	13.5	3.8	9.2	K46	90	15	4.1	1.1
17...	0800	7110	--	--	10.0	--	8.9	--	--	--	--	--
JAN												
08...	1345	7930	75	6.8	8.0	2.5	10.6	K18	--	13	3.8	.9
21...	1150	7800	--	--	8.0	--	10.6	--	--	--	--	--
FEB												
04...	1400	7810	75	6.8	8.0	2.0	11.0	K12	--	16	4.7	1.1
18...	1145	11100	--	--	11.0	--	8.4	--	--	--	--	--
MAR												
04...	1330	8040	84	6.9	15.0	.30	8.9	43	K80	17	5.1	1.1
18...	1125	7340	--	--	13.0	--	9.1	--	--	--	--	--
APR												
16...	1330	7360	80	7.0	20.0	3.5	7.7	K80	52	19	5.3	1.3
22...	1145	7100	--	--	19.0	--	7.3	--	--	--	--	--
MAY												
05...	1330	6340	102	7.0	22.0	3.9	7.9	K8	560	18	5.2	1.3
20...	1225	6150	--	--	22.0	--	5.0	--	--	--	--	--
JUN												
03...	1315	7550	77	7.0	25.0	15	6.7	81	228	15	4.3	1.0
17...	1055	7250	--	--	27.5	--	6.3	--	--	--	--	--
JUL												
09...	1200	6170	87	7.2	27.5	--	5.8	K40	122	17	--	--
22...	1045	6740	--	7.1	27.0	--	6.6	--	--	--	--	--
AUG												
19...	1100	7310	--	7.1	23.0	--	6.4	--	--	--	--	--
26...	1100	6890	85	7.0	24.5	7.7	6.9	60	--	17	4.7	1.2
SEP												
03...	1300	6440	87	7.0	26.0	5.5	6.7	35	510	17	4.6	1.2
23...	1055	6310	--	7.3	19.5	--	7.7	--	--	--	--	--

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	POTAS- SIUM 40 DIS- SOLVED (PCI/L AS K40)	ALKA- LINEITY LAR (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT											
08...	9.2	48	.9	1.2	--	19	11	7.0	.1	11	78
23...	--	--	--	--	--	26	--	--	--	--	--
NOV											
19...	--	--	--	--	--	21	--	--	--	--	--
21...	7.5	50	.9	1.6	--	24	5.6	5.0	.1	11	50
DEC											
09...	9.1	54	1.0	1.4	--	17	6.5	6.1	.1	10	58
17...	--	--	--	--	--	22	--	7.5	--	--	--
JAN											
08...	8.2	55	1.0	1.3	1.0	21	6.0	6.2	.1	9.8	54
21...	--	--	--	--	--	20	--	--	--	--	--
FEB											
04...	8.0	50	.9	1.1	.80	21	5.4	6.2	<.1	8.9	54
18...	--	--	--	--	--	18	--	--	--	--	--
MAR											
04...	6.1	41	.6	1.5	1.1	14	7.1	6.9	<.1	8.9	67
18...	--	--	--	--	--	24	--	--	--	--	--
APR											
16...	9.4	51	.9	1.1	.80	22	5.3	6.7	<.1	9.7	62
22...	--	--	--	--	--	26	--	--	--	--	--
MAY											
05...	13	59	1.3	1.2	.90	24	5.9	8.2	<.1	10	69
20...	--	--	--	--	--	23	--	--	--	--	--
JUN											
03...	7.9	51	.9	1.4	1.0	16	6.7	6.6	<.1	8.7	61
17...	--	--	--	--	--	20	--	--	--	--	--
JUL											
09...	--	56	1.2	--	1.1	--	--	--	--	--	--
22...	--	--	--	--	--	21	--	--	--	--	--
AUG											
19...	--	--	--	--	--	21	--	--	--	--	--
26...	10	54	1.1	1.2	1.0	20	4.8	7.2	<.1	10	71
SEP											
03...	10	54	1.1	1.4	1.0	20	5.5	7.4	<.1	9.2	67
23...	--	--	--	--	--	24	--	--	--	--	--

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)
OCT											
08...	60	.11	1710	.45	.46	.050	.040	.06	.05	.23	.09
23...	--	--	--	.39	--	.030	--	--	--	.09	--
NOV											
19...	--	--	--	.40	--	.100	--	--	--	.13	--
21...	52	.07	1190	.41	.41	.020	.050	.02	.06	.49	.21
DEC											
09...	51	.08	1230	.48	.48	.110	.070	.13	.09	.17	.71
17...	--	--	--	.48	--	.120	--	--	--	--	--
JAN											
08...	50	.07	1160	.38	.38	.040	.060	.05	.08	.24	.22
21...	--	--	--	.29	--	.070	--	--	--	.13	--
FEB											
04...	50	.07	1140	.40	.38	.070	.080	.08	.10	.23	.17
18...	--	--	--	.34	--	.180	--	--	--	.42	--
MAR											
04...	47	.09	1450	.34	.38	.080	.090	--	.12	.14	.05
18...	--	--	--	.34	--	.050	--	--	--	.35	--
APR											
16...	54	.08	1230	.45	.46	.050	.050	--	.06	--	--
22...	--	--	--	.48	--	.030	--	--	--	.47	--
MAY											
05...	62	.09	1180	.51	.53	.050	.070	--	.09	.34	.23
20...	--	--	--	.50	--	.020	--	--	--	.18	--
JUN											
03...	48	.08	1240	.39	.39	.030	.060	--	.08	.47	.70
17...	--	--	--	.41	--	.030	--	--	--	.57	--
JUL											
09...	58	.08	966	--	--	--	.020	--	.03	.50	.47
22...	--	--	--	.44	--	.110	--	--	--	--	--
AUG											
19...	--	--	--	.41	--	.050	--	--	--	--	--
26...	53	.10	1320	.53	.51	.020	.030	--	.04	.37	.27
SEP											
03...	54	.09	1170	.40	.48	.020	.020	--	.03	.37	.29
23...	--	--	--	.29	--	.060	--	--	--	--	--
DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
OCT											
08...	.28	.15	.13	.73	.59	3.2	.110	.34	.080	7.2	--
23...	.12	--	--	.51	--	2.3	.100	--	--	3.0	--
NOV											
19...	.23	--	--	.63	--	2.8	.120	--	--	4.0	--
21...	.51	.25	.26	.92	.67	4.1	.130	.40	.080	5.0	65
DEC											
09...	.28	.00	.78	.76	1.3	3.4	.100	.31	.070	--	--
17...	--	--	--	--	--	--	.090	--	--	2.0	--
JAN											
08...	.28	.00	.28	.66	.66	2.9	.070	.21	.060	3.9	--
21...	.20	--	--	.49	--	2.2	.070	--	--	2.0	--
FEB											
04...	.30	.05	.25	.70	.63	3.1	.080	.25	.040	3.3	--
18...	.60	--	--	.94	--	4.2	.100	--	--	8.0	--
MAR											
04...	.22	.08	.14	.56	.52	2.5	.170	.52	.050	--	65
18...	.40	--	--	.74	--	3.3	.110	--	--	4.5	--
APR											
16...	<.10	--	<.10	--	--	--	.070	.21	.050	4.4	--
22...	.50	--	--	.98	--	4.3	.120	--	--	4.3	--
MAY											
05...	.39	.09	.30	.90	.83	4.0	.100	.31	.060	4.0	39
20...	.20	--	--	.70	--	3.1	.100	--	--	4.0	--
JUN											
03...	.50	.00	.76	.89	1.2	3.9	.100	.31	.060	--	640
17...	.60	--	--	1.0	--	4.5	.130	--	--	6.0	--
JUL											
09...	--	.02	--	1.0	1.0	4.6	--	.18	--	--	560
22...	--	--	--	--	--	--	.120	--	--	4.6	--
AUG											
19...	--	--	--	--	--	--	.140	--	--	3.5	--
26...	.39	.09	.30	.92	.81	4.1	.090	.28	.070	4.3	--
SEP											
03...	.39	.08	.31	.79	.79	3.5	.130	.40	.090	--	500
23...	--	--	--	--	--	--	.080	--	--	2.4	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

[illegible]

## SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS RA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)
DEC 04...	1130	1	0	1	<50	--	30	0	0	1	30	20
MAR 04...	1330	0	0	0	100	0	100	0	0	0	10	--
JUN 03...	1315	2	0	2	100	70	30	1	0	1	10	--
SEP 03...	1300	2	1	1	100	0	200	<1	--	<1	10	--

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
DEC 04...	10	0	0	0	4	0	29	630	510	120	1
MAR 04...	<10	0	0	0	4	0	39	730	490	240	6
JUN 03...	<10	1	1	0	25	0	37	900	750	150	2
SEP 03...	<10	<1	--	<1	15	13	2	620	410	210	3

DATE	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
DEC 04...	0	7	50	40	10	.1	.0	.1	3	0	4
MAR 04...	1	5	50	40	10	.2	--	<.1	6	0	9
JUN 03...	0	2	90	60	30	<.1	--	<.1	30	18	12
SEP 03...	--	<1	50	--	<10	<.1	--	<.1	33	9	24

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
DEC 04...	0	0	0	0	0	0	100	0	100	4.7	.5
MAR 04...	0	0	0	0	0	0	20	0	140	6.6	.5
JUN 03...	0	0	0	0	0	0	10	0	130	6.2	--
SEP 03...	<1	--	<1	<1	--	<1	30	0	130	6.3	.3

DATE	TIME	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS YT-90)	RADIUM 226, DIS- SOLVED, METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
DEC 04...	1345	.5	.3	<.7	<.4	2.1	.5	2.0	.5	.05	.09
MAR 03...	1315	.9	1.0	<1.3	1.4	2.5	1.5	2.4	1.4	.03	.21
SEP 03...	1100	--	.7	<1.1	1.0	2.4	<.6	2.3	<.6	.04	.02



## PEE DEE RIVER BASIN

02130908 LAKE ROBINSON.--34°23'40", long 80°09'00", Darlington County, Hydrologic Unit 0340201, at plant intake structure on Black Creek, 2.3 mi (3.7 km) upstream from Beaverdam Creek, and 4.7 mi (7.6 km) west of Hartsville. Drainage area, 173 mi<sup>2</sup> (448 km<sup>2</sup>). Records available November 1960 to current year.

Lake used for cooling water at the Robinson Steam-Electric Generating Plant of Carolina Power and Light Co. Put in operation 1960. Records furnished by Carolina Power & Light Co.

## Santee River Basin

02145900 LAKE WYLIE.--Lat 35°01'15", long 81°00'30", York County, Hydrologic Unit 03050101, at powerplant on Catawba River, 2.0 mi (3.2 km) upstream from Big Dutchman Creek, 3.5 mi (5.6 km) upstream from U.S. Highway 21, 3.5 mi (5.6 km) northwest of Fort Mill, and at mile 138.5 (222.8 km). Drainage area, 3,020 mi<sup>2</sup> (7,820 km<sup>2</sup>), approximately. Records available October 1960 to current year. Records of stage August 1925 to September 1960 collected by Duke Power Company. Gage, float gage, and indicator in powerhouse. Datum of gage is 469.4 ft (143.07 m) National Geodetic Vertical Datum of 1929 (levels by Duke Power Co.).

Lake, used for hydroelectric power development, was first put in operation August 1925. Usable capacity, 2,520,500,000 ft<sup>3</sup> (71,381,000 m<sup>3</sup>) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage 4,022,000,000 ft<sup>3</sup> (113,900,000 m<sup>3</sup>). Records furnished by Duke Power Co.

02147300 FISHING CREEK RESERVOIR.--Lat 34°36'00", long 80°53'34", Chester County, Hydrologic Unit 03050103, at Fishing Creek dam, 0.25 mi (0.40 km) upstream from State Highway 97, 0.5 mi (0.8 km) upstream from Fishing Creek, 2.5 mi (4.0 km) north of Great Falls, and at mile 100.5 (161.7 km). Drainage area 3,810 mi<sup>2</sup> (9,870 km<sup>2</sup>), approximately. Records available October 1960 to current year. Records of stage November 1916 to September 1960 collected by Duke Power Co. Gage, float gage, and indicator in powerhouse. Datum of gage is 317.2 ft (96.69 m) National Geodetic Vertical Datum of 1929 (levels by Duke Power Co.).

Reservoir, used for hydroelectric power, was first put in operation November 1916. Usable capacity 667,000,000 ft<sup>3</sup> (18,900,000 m<sup>3</sup>) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage 963,100,000 ft<sup>3</sup> (27,270,000 m<sup>3</sup>). Records furnished by Duke Power Co.

02147800 WATEREE RESERVOIR.--Lat 34°20'15", long 80°42'10", Kershaw County, Hydrologic Unit 03050104, at Wateree Reservoir dam, 0.8 mi (1.3 km) upstream from Graungs Quarter Creek, 8.75 mi (14.1 km) northwest of Camden, and at mile 73.5 (118.3 km). Drainage area 4,750 mi<sup>2</sup> (12,300 km<sup>2</sup>), approximately. Records available October 1960 to current year. Records of stage October 1919 to September 1960 collected by Duke Power Co. Gage, float gage, and indicator in powerhouse. Datum of gage is 125.5 ft (38.25 m) National Geodetic Vertical Datum of 1929 (levels by Duke Power Co.).

Reservoir, used for hydroelectric power, was put in operation in 1917. Usable capacity 2,794,000,000 ft<sup>3</sup> (79,130,000 m<sup>3</sup>) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage 4,831,600,000 ft<sup>3</sup> (136,830,000 m<sup>3</sup>). Records furnished by Duke Power Co.

## MONTH-END GAGE HEIGHTS OR ELEVATIONS, AND CONTENTS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

Date	Lake Robinson			Lake Wylie			Fishing Creek Reservoir			Wateree Reservoir		
	Elevation (feet)	Contents (million cubic feet)	Change in Contents (equiva- lent in ft <sup>3</sup> /s)	Gage Height (feet)	Contents (million cubic feet)	Change in Contents (equiva- lent in ft <sup>3</sup> /s)	Gage Height (feet)	Contents (million cubic feet)	Change in Contents (equiva- lent in ft <sup>3</sup> /s)	Gage Height (feet)	Contents (million cubic feet)	Change in Contents (equiva- lent in ft <sup>3</sup> /s)
Sept. 30, 1980	220.0	1,251		96.1	8,391		94.5	904		98.0	6,461	
Oct. 31	220.6	1,310	22.0	96.5	8,585	72.4	98.8	1,458	206.8	96.7	5,738	-269.9
Nov. 30	220.8	1,329	7.3	96.8	8,733	57.1	97.7	1,307	-58.3	97.9	6,404	256.9
Dec. 31, 1980	220.8	1,329	0	96.7	8,683	-18.7	97.4	1,267	-14.9	96.8	5,792	-228.5
CAL YR 1980			-0.9			6.3			4.1			6.9
Jan. 31, 1981	220.7	1,320	-3.4	97.2	8,931	92.6	97.1	1,227	-14.9	96.8	5,792	0
Feb. 28	220.8	1,329	3.7	97.4	9,031	41.3	97.4	1,267	16.5	97.9	6,404	253.0
Mar. 31	220.8	1,329	0	97.7	9,183	56.8	95.2	987	-104.5	97.7	6,292	-41.8
Apr. 30	220.4	1,290	-15.0	96.1	8,391	-305.6	96.6	1,162	67.5	98.0	6,461	65.2
May 31	220.2	1,271	-7.1	96.9	8,782	146.0	96.2	1,111	-19.0	98.3	6,632	63.8
June 30	219.8	1,232	-15.0	97.5	9,082	115.7	98.0	1,347	91.0	98.0	6,461	-66.0
July 31	220.9	1,339	40.0	97.7	9,183	37.7	97.8	1,320	-10.1	97.4	6,124	-125.8
Aug. 31	220.5	1,300	-14.6	96.2	8,437	-278.5	95.3	999	-119.8	96.9	5,847	-103.4
Sept. 30, 1981	220.2	1,271	-11.2	95.9	8,294	-55.2	96.8	1,188	72.9	97.3	6,068	85.3
WTR YR 1981			+0.6			-3.1			9.0			-12.5

## DISCHARGE AT PARTIAL-RECORD STATIONS

## Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1981 in South Atlantic Slope basins.

Station Number	Station name	Location	Drainage area (mi <sup>2</sup> )	Period of record	Annual maximum		
					Probable date	Gage height (feet)	Dis-charge (ft <sup>3</sup> /s)
Pee Dee River basin							
02130400	Little Bear Creek near Chesterfield, S.C.	Lat 34°40'09", long 80°09'11", Chesterfield County, on upstream side of culvert on State Highway 145, 5.5 miles southwest of Chesterfield.	4.10	1975-81	7-5-81	8.12	(+)
02130550	Herndon Branch near Bennettsville, S.C.	Lat 34°38'27", long 79°44'46", Marlboro County, on upstream side of culvert on State Highway 9, 4.5 miles northwest of Bennettsville.	3.34	1975-81	7-5-81	4.09	(+)
02130800	Back Swamp near Darlington, S.C.	Lat 34°18'11", long 79°46'07", Darlington County, on upstream side of culvert on State Highway 35, 5.7 miles east of Darlington.	6.22	1975-81	8-11-81	3.90	45
02131110	Jeffries Creek above Florence, S.C.	Lat 34°10'40", long 79°48'34", Florence County, at bridge on State Highway 29, 2.6 miles southwest of Florence, and 5.0 miles upstream from confluence with Middle Swamp.	46.6	1968-81	8-11-81	5.85	388
02131140	Jeffries Creek below Florence, S.C.	Lat 34°10'21", long 79°45'45", Florence County, at bridge on city street 2,000 ft downstream from State Highway 52, 1.5 miles south of Florence.	52.0	1968-81	8-11-81	13.22	(+)
02131460	Neds Creek near Kershaw, S.C.	Lat 34°32'39", long 80°37'39", Kershaw County, on upstream side of concrete pipe culvert on State Highway 413, 1.0 mile upstream from Little Lynches River, and 3.2 miles east of Kershaw.	3.98	1975-81	8-6-81	3.54	45
02131500	Lynches River near Bishopville, S.C.	Lat 34°15'00", long 80°12'50", Lee County, near center of span on downstream side of bridge on U.S. Highway 15, 1.0 mile upstream from Seaboard Coast Line Railroad bridge, 2.9 miles northeast of Bishopville, 3.0 miles downstream from Bells Branch, and at mile 89.5.	675	1942-71+ 1972-81	2-23-81	13.60	4,250
02131990	Carter Creek at Effingham, S.C.	Lat 34°03'51", long 79°46'03", Florence County, on upstream side of culvert on U.S. Highway 301, 0.8 mile northwest of Effingham, and 0.9 mile upstream from Lynches River.	8.28	1974-81	7-3-81	6.22	358
02132100	Two Mile Branch near Lake City, S.C.	Lat 33°53'38", long 79°45'38", Florence County, at culvert on U.S. Highway 378 By-Pass, and 1.4 miles north of Lake City.	19.0	1974-81	7-3-81	3.60	45
02132500	Little Pee Dee River near Dillon, S.C.	Lat 34°24'17", long 79°20'25", Dillon County, on downstream side of bridge on State Highway 9, 1.9 miles southeast of Dillon, 3.9 miles upstream from Maple Swamp, and at mile 88.3.	524	1939-71+ 1972-81	8-11-81	8.74	1,320
02135620	Belt Branch near Manning, S.C.	Lat 33°41'54", long 80°13'50", Clarendon County, on downstream side of culvert on State Highway 261, 1.1 miles upstream from Pacotaligo Swamp.	0.83	1974-81	(b)	(a)	(+)
02136010	Chaney Swamp near Greeleyville, S.C.	Lat 33°35'12", long 79°56'48", Williamsburg County, at culvert on U.S. Highway 52, 2.5 miles upstream from Rocky Ford Swamp, and 2.5 miles east of Greeleyville.	17.0	1974-81	(b)	(a)	(+)
Santee River basin							
02147233	Gills Creek at Lancaster, S.C.	Lat 34°43'46", long 80°46'35", Lancaster County, on right downstream wingwall of bridge at North Main Street and U.S. Hwy. 521, and 0.7 miles north of City Hall at Lancaster, and ___ mi (___ km) upstream from mouth.	28.2	1979-81	2-9-81	12.06	1,240
02147245	Cane Creek at Lancaster, S.C.	Lat 34°42'42", long 80°48'36", Lancaster County, at bridge on Old Landsford Road, 2.4 miles west of City Hall in Lancaster, 800 ft downstream from bridge on S.C. Hwy 9, and 6.7 miles upstream from mouth.	146	1979-81	2-9-81	15.57	3,050

See footnotes at end of Table.

Annual maximum discharge at crest-stage partial-record stations during water year 1981 in South Atlantic Slope basins.

Station Number	Station name	Location	Drainage area (mi <sup>2</sup> )	Period of record	Annual maximum		
					Probable date	Gage height (feet)	Dis-charge (ft <sup>3</sup> /s)
Santee River basin--Continued							
02147250	Cane Creek at Grace Avenue at Lancaster, S.C.	Lat 34°42'00", long 80°50'15", Lancaster County, on downstream side near center of span of bridge on county road S-50, 1.3 miles southeast of State Highway 9 (Bypass), 4.1 miles southwest of Lancaster, and 3.5 miles upstream from mouth.	151	1979-81	2-9-81	11.43	3,300
02147600	Scabber Branch near Great Falls, S.C.	Lat 34°30'17", long 81°00'22", Fairfield County, on upstream side of box culvert on State Highway 200, 1.1 miles upstream of Big Wateree Creek, and 7.0 miles southwest of Great Falls.	4.55	1975-81	2-11-81	5.59	906
02153750	Buck Horn Creek near York, S.C.	Lat 35°02'09", long 81°18'44", York County, on upstream side of culvert on State Highway 5, 4.5 miles upstream from Bullocks Creek, and 4.0 miles northwest of York.	5.23	1975-80	(b)	(a)	(+)
02156300	Lawsons Fork Creek at Spartanburg, S.C.	Lat 34°56'53", long 81°52'08", Spartanburg County, on downstream side of bridge on secondary road, 0.8 mile east of Spartanburg.	74.7	1966-70+ 1970-81	10-1-80	11.60	2,040
02157500	Middle Tyger River at Lyman, S.C.	Lat 34°56'35", long 82°08'00", Spartanburg County, on left bank 200 ft upstream from bridge on State Highway 292 at Lyman.	68.3	1937-68+ 1970-81	(b)	(a)	(+)
02159600	Dutchman Creek near Pauline, S.C.	Lat 34°47'55", long 81°52'46", Spartanburg County, on downstream side of bridge on County Road 90, 75 feet downstream from Smith Creek and 2.2 miles southwest of Pauline.	8.97	1966-81	2-10-81	1.10	21
02160000	Fairforest Creek near Union, S.C.	Lat 34°40'45", long 81°41'25", Union County, on right bank at downstream side of bridge on State Highway 49, 0.3 mile downstream from Buffalo Creek, 4.3 miles southwest of Union, and at mile 7.5.	183	1940-71+ 1972-81	10-1-80	4.90	2,050
02160130	Enoree River near Travelers Rest, S.C.	Lat 34°59'21", long 82°25'15", Greenville County, on upstream side of culvert on U.S. Highway 25, 0.6 mile upstream from North Enoree River and 2.0 miles northeast of Travelers Rest.	5.37	1974-81	(b)	(a)	(+)
02160500	Enoree River near Enoree, S.C.	Lat 34°36'38", long 81°54'35", Spartanburg County, on left bank 60 ft upstream from bridge on State Highway 49, 0.6 mile upstream from Warrior Creek, 3.0 miles southeast of Enoree, and at mile 47.7.	307	1929-76+ 1977-81	10-1-80	3.88	2,780
02160800	Second Creek near Pomeria, S.C.	Lat 34°20'06", long 81°30'11", Newberry County, on upstream side of culvert on U.S. Highway 176, 5.5 miles upstream of Hellers Creek, and 7.2 miles northwest of Pomeria.	1.87	1975-81	10-1-80	3.75	73
02162500	Saluda River near Greenville, S.C.	Lat 34°50'32", long 82°28'51", Pickens County, on right bank 700 ft upstream from bridge on State Road 124, 1.6 miles downstream from Saluda Lake Dam, 2.4 miles upstream from Georges Creek, 4.6 miles west of city hall in Greenville, and at mile 132.0.	295	1941-81	10-1-80	5.11	1,900
0216300	Saluda River near Pelzer, S.C.	Lat 34°40'05", long 82°27'55", Anderson County, on right bank 0.4 mile downstream from Hurricane Creek, 1.9 miles north of Pelzer, and at mile 114.2.	405	1929-71+ 1972-81	10-1-80	6.09	6,040
02165350	Dirty Creek Tributary near Laurens, S.C.	Lat 34°29'44", long 82°05'15", Laurens County, on upstream side of culvert on State Highway 252, 2.8 miles upstream of Dirty Creek and 4.1 miles west of Laurens.	1.21	1975-81	(b)	(a)	(+)
02167200	Campbell Creek Tributary near Cross Hill, S.C.	Lat 34°18'18", long 81°58'53", Laurens County, at culvert on State Highway 560, 1.8 miles upstream from Campbell Creek, and 4.4 miles northeast of Cross Hill.	0.62	1974-81	2-11-81	5.54	109
02167750	Camping Creek Tributary near Prosperity, S.C.	Lat 34°12'35", long 81°30'08", Newberry County, on upstream side of culvert on County Road 437, 0.35 mile above Camping Creek, and 1.8 miles east of Prosperity.	0.52	1974-81	10-1-80	3.73	22

See footnotes at end of table.

## DISCHARGE AT PARTIAL-RECORD STATIONS

Annual maximum discharge at crest-stage partial-record stations during water year 1981 in South Atlantic Slope basins.

Station Number	Station name	Location	Drainage area (mi <sup>2</sup> )	Period of record	Annual maximum		
					Probable date	Gage height (feet)	Dis-charge (ft <sup>3</sup> /s)
Santee River basin--Continued							
02169540	Savanna Branch near Cayce, S.C.	Lat 33°55'47", long 81°07'05", Lexington County, on upstream side of culvert on S.C. Highway 215, 0.75 miles upstream from Congaree Creek and 3.9 miles southwest of Cayce.	7.15	1974-81	2-10-81	3.72	252
02169960	Lake Marion Tributary near Vance, S.C.	Lat 33°27'26", long 80°26'32", Orangeburg County, on upstream side of box culvert on State Highway 6, 1.4 miles upstream from Lake Marion and 2.0 miles northeast of Vance.	2.12	1975-81	(b)	(a)	(+)
Edisto River basin							
02172500	South Fork Edisto River near Montmorenci, S.C.	Lat 33°34'35", long 81°30'50", Aiken County, near center of span on downstream side of bridge on State Highway 215, 0.4 mile upstream from Cedar Creek, 1 mile upstream from Shaw Creek, 7.6 miles northeast of Montmorenci, and at mile 167.3.	198	1939-66† 1967-81	2-18-81	6.78	738
02173250	Ritter Branch near Perry, S.C.	Lat 33°38'10", long 81°16'04", Aiken County, at culvert on State Highway 14, 0.3 mile upstream from Hollow Creek, 2.6 miles southeast of Perry.	2.22	1975-81	2-18-81	2.46	(+)
Combahee River basin							
02175300	Turkey Creek near Barnwell, S.C.	Lat 33°17'05", long 81°21'46", Barnwell County, at bridge on State Highway 168, 0.5 mile downstream from Long Branch, and 3.0 miles north of Barnwell.	22.8	1975-81	10-1-80	6.14	400
02175450	Savannah Creek near Ehrhardt, S.C.	Lat 33°02'03", long 81°03'11", Colleton County, on upstream side of culvert on State Highway 641, 1.2 miles upstream from Salkehatchie River, and 6.0 miles north of Miley.	3.02	1975-81	10-1-80	5.86	230
02176100	Remick Swamp near Hendersonville, S.C.	Lat 32°48'45", long 80°42'20", Colleton County, at culvert on U.S. Highway 17-A, 1.5 miles upstream from Bluehouse Swamp, and 2.0 miles northeast of Hendersonville.	7.67	1975-81	10-1-80	3.99	37
Savannah River basin							
02184100	Cleveland Creek near Fairplay, S.C.	Lat 34°31'32", long 82°59'29", Oconee County, on upstream side of culvert on State Highway 59, 1.0 mile northwest of Fairplay, and 2.4 miles upstream from Beaver Dam Creek.	5.61	1974-81	(b)	(a)	(+)
02185400	Cane Creek near Walhalla, S.C.	Lat 34°46'48", long 83°06'22", Oconee County, on upstream side of culvert, on State Highway 28, 2.5 miles northwest of Walhalla.	1.08	1975-81	(b)	(a)	(+)
02187900	Broadway Creek near Anderson, S.C.	Lat 34°30'09", long 82°35'00", Anderson County, at bridge on State Highway 48, 0.1 mile downstream from Cuphoard Creek and 3.8 miles east of Anderson.	26.4	1975-81	2-10-81	5.53	520
02188000	Rocky River near Calhoun Falls, S.C.	Lat 34°08'00", long 82°38'00", Abbeville County, on right bank, 2,000 ft upstream from Swanigan Mill bridge on county road, 3.25 miles northwest of Calhoun Falls.	267	1950-66† 1970-81	10-1-80	9.24	6,660
02192450	Camp Creek near Honea Path, S.C.	Lat 34°23'18", long 82°29'00", Anderson County, on upstream side of culvert on State Highway 185, 2.0 miles upstream from Little River, and 6.7 miles southwest of Honea Path.	1.59	1975-81	(b)	(a)	(+)
02192500	Little River near Mount Carmel, S.C.	Lat 34°04'13", long 82°30'02", McCormick County, on right bank, 480 ft downstream from Island Ford bridge, and 4.5 miles north of Mount Carmel.	217	1939-70† 1971-81	10-1-80	12.50	2,700
02195660	Log Creek near Edgefield, S.C.	Lat 33°48'03", long 81°52'39", Edgefield County, on upstream side of culvert on State Highway 23, 3.3 miles east of Edgefield.	1.18	1975-81	10-1-80	3.62	54
02197410	Miller Creek Tributary near Baldoc, S.C.	Lat 33°04'08", long 81°24'26", Allendale County, on upstream side of culvert on State Highway 125, 0.6 mile upstream from Miller Creek, and 1.1 miles southeast of Baldoc.	7.51	1975-81	4-1-81	10.26	(+)

+ Discharge not determined.

† Operated as a continuous-record gaging station.

a Stage not determined.

b Date unknown.

## GROUND WATER RECORDS



## AIKEN COUNTY

331940081443501. Local number, AK-430.

LOCATION.--Lat 33°19'40", long 81°44'35", Hydrologic Unit 03060106, at Savannah River Plant.

Owner: U.S. Department of Energy.

AQUIFER.--Sands of the Middendorf Formation.

WELL CHARACTERISTICS.--Drilled unused industrial artesian well, diameter 18 in (46.2 cm) from surface to 318 ft (97 m), 8 in (20.5 cm) from 279 ft (85 m) to 605 ft (184.4 m), depth 605 ft (184.4 m), cased to 605 ft (184.4 m), screened 390-400 ft (119-122 m), 455-465 ft (139-142 m), 590-600 ft (180-183 m).

DATUM.--Land-surface datum is 357 ft (109 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Formerly listed AK-2 or LA-4 before 1974. Also known as SRP-4M.

PERIOD OF RECORD.--1955 to current year.

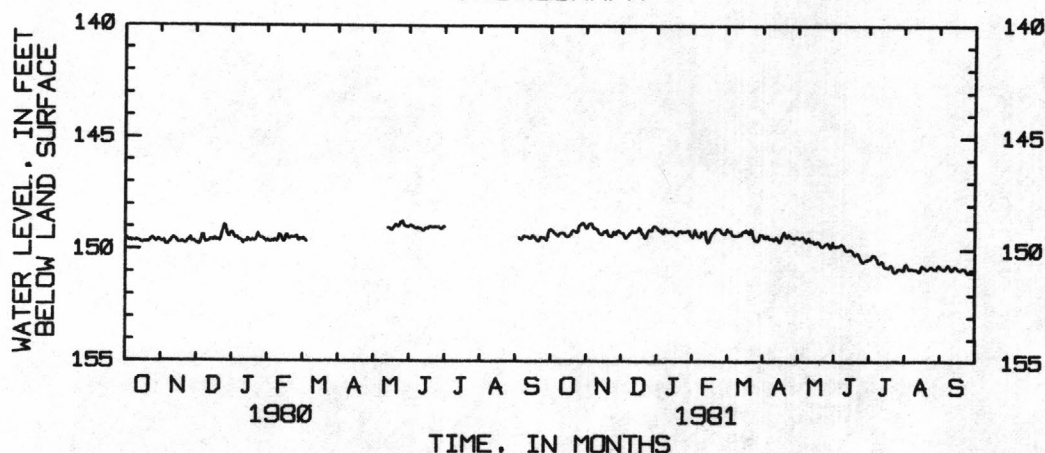
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 144.82 ft (44.15 m) below land-surface datum, Feb. 23, 1966; lowest, 153.99 ft (46.94 m) below land-surface datum, Sept. 16, 18, 19, 24, 26, 1970.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149.10	149.03	149.26	149.06	149.32	149.18	149.34	149.43	149.67	150.41	150.90	150.71
2	149.16	148.91	149.25	149.14	149.11	149.07	149.40	149.47	149.83	150.40	150.69	150.79
3	149.19	148.84	149.35	149.18	149.27	149.16	149.48	149.51	149.87	150.40	150.62	150.83
4	149.26	148.81	149.48	149.14	149.36	149.20	149.48	149.49	149.83	150.33	150.70	150.85
5	149.31	148.84	149.47	149.26	149.42	149.16	149.40	149.45	149.85	150.25	150.81	150.89
6	149.37	148.96	149.41	149.27	149.44	149.29	149.40	149.43	149.85	150.23	150.86	150.83
7	149.39	149.05	149.35	149.08	149.39	149.37	149.51	149.51	149.80	150.26	150.85	150.76
8	149.31	149.06	149.27	149.13	149.21	149.38	149.53	149.59	149.76	150.35	150.83	150.68
9	149.26	149.08	149.21	149.19	149.27	149.38	149.52	149.66	149.78	150.41	150.85	150.71
10	149.25	149.11	149.15	149.23	149.31	149.39	149.53	149.57	149.82	150.58	150.88	150.79
11	149.25	149.22	149.20	149.23	149.17	149.38	149.59	149.48	149.92	150.58	150.87	150.91
12	149.27	149.29	149.24	149.20	149.51	149.35	149.53	149.60	150.03	150.56	150.87	150.90
13	149.34	149.34	149.20	149.18	149.69	149.32	149.44	149.65	150.05	150.49	150.91	150.81
14	149.41	149.33	149.18	149.21	149.65	149.36	149.51	149.65	150.03	150.56	150.97	150.75
15	149.42	149.23	149.13	149.24	149.50	149.21	149.60	149.63	150.01	150.73	150.94	150.76
16	149.39	149.19	149.02	149.28	149.35	149.19	149.66	149.73	150.02	150.78	150.80	150.80
17	149.36	149.21	149.08	149.36	149.25	149.23	149.59	149.72	150.04	150.76	150.69	150.88
18	149.29	149.14	149.24	149.30	149.21	149.11	149.44	149.66	150.08	150.80	150.78	150.91
19	149.18	149.30	149.31	149.18	149.13	149.17	149.32	149.64	150.17	150.79	150.79	150.92
20	149.14	149.39	149.40	149.17	149.05	149.25	149.21	149.69	150.25	150.71	150.82	150.86
21	149.18	149.38	149.48	149.16	149.08	149.31	149.32	149.78	150.20	150.67	150.88	150.82
22	149.19	149.43	149.45	149.24	149.09	149.10	149.45	149.86	150.15	150.75	150.87	150.84
23	149.22	149.37	149.29	149.21	149.07	149.16	149.43	149.87	150.21	150.91	150.82	150.86
24	149.17	149.21	149.13	149.20	149.12	149.38	149.32	149.82	150.33	150.99	150.76	150.95
25	148.96	149.23	149.12	149.21	149.22	149.53	149.40	149.78	150.44	150.98	150.75	151.02
26	148.88	149.33	149.18	149.17	149.26	149.60	149.47	149.75	150.52	150.93	150.81	151.02
27	148.84	149.20	149.13	149.13	149.31	149.61	149.49	149.71	150.56	150.84	150.85	150.95
28	148.80	149.14	149.00	149.17	149.31	149.63	149.50	149.73	150.50	150.83	150.86	150.90
29	148.82	149.17	148.94	149.33	---	149.54	149.49	149.84	150.46	150.87	150.86	150.90
30	148.92	149.25	148.96	149.39	---	149.33	149.46	149.92	150.47	150.88	150.78	150.92
31	149.03	---	149.02	149.46	---	149.38	---	149.86	---	150.92	150.69	---
MEAN	149.18	149.17	149.22	149.22	149.29	149.31	149.46	149.66	150.08	150.64	150.82	150.85
MAX	149.42	149.43	149.48	149.46	149.69	149.63	149.66	149.92	150.56	150.99	150.97	151.02
MIN	148.80	148.81	148.94	149.06	149.05	149.07	149.21	149.43	149.67	150.23	150.62	150.68

WTR YR 1981 MEAN 149.74 HIGH 148.80 LOW 151.02

## HYDROGRAPH





## BEAUFORT COUNTY

322745080435800. Local number, BPT-121.

LOCATION.--Lat 32°27'45", long 80°43'58", Hydrologic Unit 03050208, 100 ft (30.5 m) east of U.S. 21 and 100 ft (30.5 m) north of locked entrance and 2000 ft (610 m) north of main entrance to the U.S. Marine Corps Air Station, 4.0 mi (6.4 km) northwest of Beaufort on U.S. Hwy. 21.

Owner: U.S. Marine Corp.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 10 in (25.4 cm), depth 105 ft (32.0 m), cased to 85 ft (25.9 m) open hole to 105 ft (32.0 m).

DATUM.--Land-surface datum is 31.25 ft (9.52 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft (1.01 m) above land-surface datum.

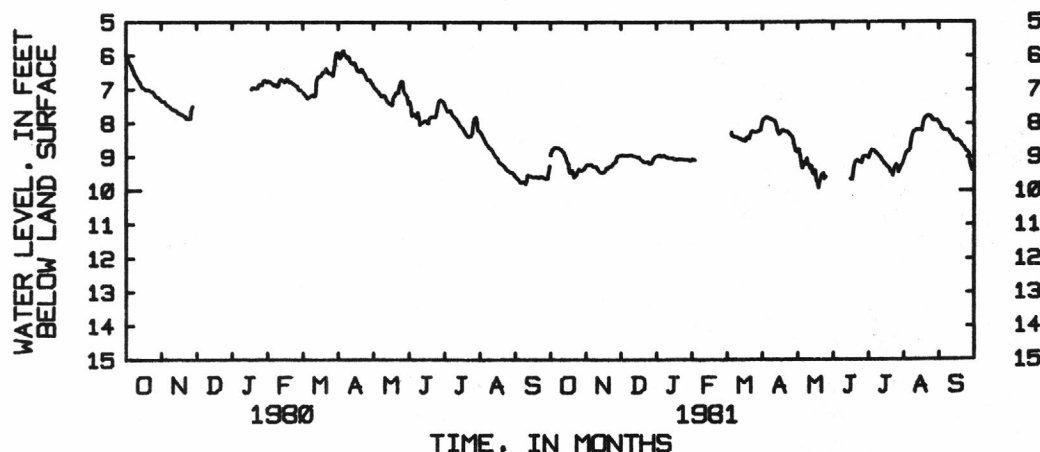
PERIOD OF RECORD.--July 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 5.84 ft (1.78 m) below land-surface datum, April 5, 1980; lowest, 10.68 ft (3.26 m) below land-surface datum Nov. 20, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.93	9.22	8.93	8.94	9.08	---	8.02	8.84	---	8.99	9.15	7.98
2	8.79	9.22	8.92	8.96	9.09	---	7.88	8.76	---	9.02	9.06	8.03
3	8.74	9.24	8.94	8.93	---	---	7.85	8.77	---	8.91	8.93	8.11
4	8.71	9.21	8.95	8.97	---	---	7.83	8.93	---	8.82	8.85	8.17
5	8.70	9.22	8.95	8.98	---	8.27	7.80	9.13	---	8.78	8.81	8.19
6	8.73	9.28	8.94	8.94	---	8.36	7.81	9.34	---	8.80	8.81	8.22
7	8.73	9.28	8.94	8.95	---	8.37	7.85	9.16	---	8.81	8.75	8.22
8	8.74	9.27	8.93	8.98	---	8.40	7.85	9.23	---	8.85	8.53	8.22
9	8.76	9.30	8.93	9.00	---	8.41	7.86	9.20	---	8.88	8.36	8.21
10	8.79	9.34	8.93	9.03	---	8.42	7.89	9.03	---	8.92	8.25	8.26
11	8.82	9.40	8.96	9.02	---	8.42	7.90	9.23	---	8.97	8.21	8.33
12	8.86	9.44	8.97	9.03	---	8.44	7.91	9.25	---	9.01	8.19	8.37
13	8.95	9.46	8.98	9.03	---	8.46	7.98	9.36	---	9.04	8.18	8.41
14	9.03	9.46	9.00	9.03	---	8.48	8.10	9.27	---	9.10	8.20	8.48
15	9.17	9.44	9.00	9.04	---	8.50	8.24	9.48	---	9.16	8.18	8.51
16	9.21	9.44	9.00	9.07	---	8.47	8.33	9.52	9.66	9.21	8.19	8.52
17	9.44	9.40	9.06	9.06	---	8.53	8.28	9.39	9.67	9.24	8.22	8.49
18	9.48	9.31	9.09	9.07	---	8.50	8.20	9.68	9.67	9.28	8.07	8.52
19	9.39	9.33	9.11	9.05	---	8.41	8.19	9.77	9.46	9.32	7.91	8.56
20	9.47	9.30	9.15	9.05	---	8.41	8.21	9.93	9.23	9.35	7.82	8.59
21	9.62	9.27	9.16	9.06	---	8.44	8.25	9.71	9.12	9.43	7.80	8.65
22	9.56	9.27	9.15	9.05	---	8.32	8.25	9.61	9.09	9.48	7.76	8.69
23	9.50	9.23	9.14	9.06	---	8.23	8.25	9.50	9.10	9.56	7.76	8.73
24	9.42	9.17	9.14	9.08	---	8.22	8.27	9.48	9.14	9.39	7.77	8.80
25	9.35	9.14	9.20	9.08	---	8.24	8.32	9.65	9.13	9.28	7.80	8.83
26	9.38	9.13	9.20	9.08	---	8.26	8.37	9.58	9.18	9.22	7.84	8.85
27	9.41	9.00	9.17	9.08	---	8.25	8.40	---	9.03	9.26	7.91	8.89
28	9.38	8.95	9.07	9.09	---	8.25	8.49	---	8.97	9.46	7.92	9.15
29	9.36	8.94	9.02	9.12	---	8.23	8.63	---	8.97	9.36	7.91	9.30
30	9.32	8.94	8.98	9.10	---	8.19	8.78	---	8.97	9.28	7.90	9.41
31	9.26	---	8.96	9.05	---	8.19	---	---	---	9.23	7.93	---
MEAN	9.13	9.25	9.03	9.03			8.13			9.14	8.22	8.52
MAX	9.62	9.46	9.20	9.12			8.78			9.56	9.15	9.41
MIN	8.70	8.94	8.92	8.93			7.80			8.78	7.76	7.98

## HYDROGRAPH



## BEAUFORT COUNTY

321551080491003. Local number, BFT-429.

LOCATION.--Lat 32°15'51", long 80°49'10", Hydrologic Unit 03050208, 7.7 miles (12.39 km) southeast on U.S. Hwy. 278 from intersection with State Hwy. 170, northwest on dirt road 1.6 miles (2.57 km), 2 miles (3.2 km) southwest of Foot Point Plantation and at Victoria Bluff.

Owner: S.C. Wildlife and Marine Resources Dept.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (15.38 cm), depth 300 ft (91.4 m), cased to 100 ft (30.5 m), open hole to 300 ft (91.4 m).

DATUM.--Land-surface datum is 22.0 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.85 ft (0.56 m) above land-surface datum.

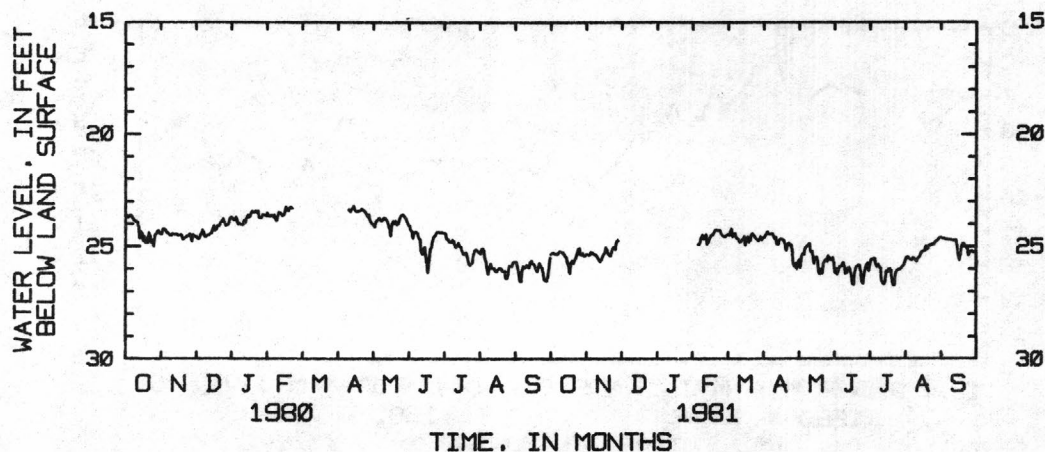
PERIOD OF RECORD.--1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 21.71 ft (6.45 m) below land surface datum, Sept. 10, 1971; lowest, 26.74 ft (8.15 m) below land-surface datum, July 23, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.35	25.35			---	24.50	24.63	25.72	25.73	26.10	25.70	24.62
2	25.29	25.39			---	24.47	24.61	25.60	26.19	25.81	25.56	24.65
3	25.29	25.37			---	24.53	24.53	25.96	25.98	25.58	25.47	24.67
4	25.34	25.25			24.92	24.40	24.44	25.47	26.27	25.57	25.49	24.67
5	25.33	25.28			24.93	24.22	24.36	25.32	26.07	25.53	25.56	24.70
6	25.37	25.34			24.81	24.59	24.46	25.36	25.90	25.55	25.60	24.71
7	25.29	25.35			24.60	24.45	24.47	25.11	25.91	25.79	25.61	24.72
8	25.22	25.38			24.50	24.43	24.43	25.02	25.81	25.93	25.51	24.70
9	25.23	25.44			24.69	24.61	24.44	24.97	25.72	25.80	25.54	24.72
10	25.26	25.52			24.55	24.67	24.54	24.91	25.90	25.92	25.62	24.72
11	25.26	25.60			24.48	24.71	24.66	24.88	26.23	25.98	25.67	24.74
12	25.35	25.68			24.92	24.83	24.60	25.23	26.18	26.51	25.53	24.75
13	25.44	25.58			24.82	24.80	24.91	25.24	25.97	26.63	25.50	24.74
14	25.50	25.46			24.68	24.72	24.92	25.42	25.96	26.69	25.42	24.73
15	25.71	25.34			24.56	24.66	24.76	25.76	26.06	26.58	25.30	24.97
16	25.90	25.29			24.48	24.58	24.68	25.54	26.26	26.10	25.22	25.41
17	26.20	25.06			24.47	24.96	24.68	25.48	26.68	26.15	25.22	25.64
18	25.74	25.18			24.39	24.70	24.73	25.65	26.72	26.04	25.18	25.41
19	25.63	25.34			24.28	24.58	24.76	26.16	26.17	26.01	25.01	25.00
20	25.77	25.38			24.26	24.83	24.92	26.25	25.95	26.07	25.16	24.88
21	25.62	25.43			24.31	24.74	25.20	26.01	25.88	26.46	25.05	24.91
22	25.51	25.23			24.31	24.51	24.93	26.22	25.83	26.73	24.95	24.98
23	25.37	25.07			24.31	24.44	24.86	25.76	25.86	26.74	24.96	25.06
24	25.14	25.04			24.42	24.51	24.97	25.66	26.12	26.23	24.93	25.13
25	25.08	25.13			24.52	24.57	24.94	25.59	26.57	26.09	24.91	25.42
26	25.36	24.84			24.56	24.67	25.13	25.67	26.68	26.04	24.90	25.29
27	25.38	24.75			24.59	24.70	25.78	25.43	26.22	26.03	24.81	25.22
28	25.31	---			24.55	24.77	25.92	25.52	26.03	26.00	24.76	25.22
29	25.43	---			---	24.69	25.76	25.61	25.84	25.96	24.73	25.27
30	25.41	---			---	24.58	26.02	25.53	25.75	25.88	24.66	25.29
31	25.35	---			---	24.73	---	25.51	---	25.83	24.62	---
MEAN	25.43					24.62	24.87	25.53	26.08	26.08	25.23	24.96
MAX	26.20					24.96	26.02	26.25	26.72	26.74	25.70	25.64
MIN	25.08					24.22	24.36	24.88	25.72	25.53	24.62	24.62

## HYDROGRAPH



## BEAUFORT COUNTY

320910080472001. Local number, BFT-439.

LOCATION.--Lat 32°09'10", long 80°47'20", Hydrologic Unit 03050208, 1.0 mi (1.6 Km) northwest of Braddock Point, 3.0 mi (4.8 Km) southwest of Forest Beach on Calibogue Cay Road and at Sea Pines Plantation.

Owner: Sea Pines Plantation.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (15.2 cm), depth 214 ft (65.2 m), cased to 125 ft (38.1 m), open hole to 214 ft (65.2 m).

DATUM.--Land-surface datum is 6.95 ft (2.12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of platform 0.30 ft (0.09 m) above casing and land-surface datum.

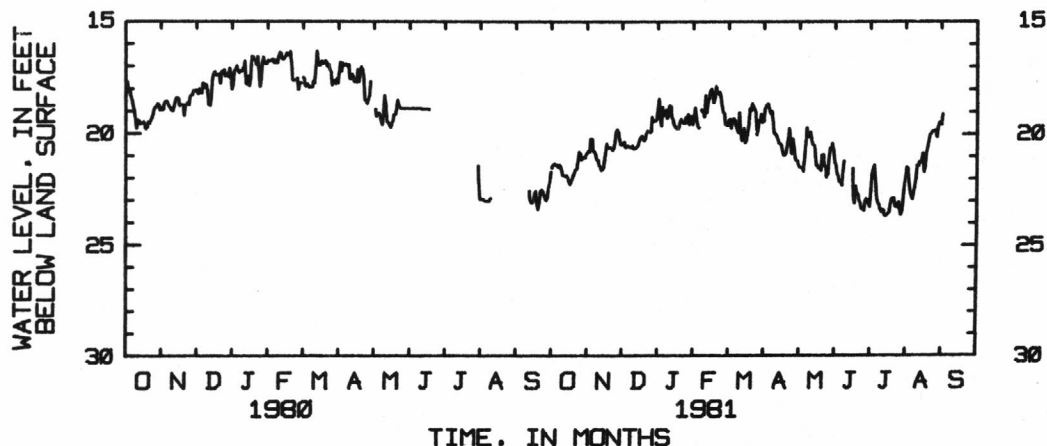
PERIOD OF RECORD.--October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 15.97 ft (4.87 m) below land-surface datum, Mar. 3, 1978; lowest, 30.22 ft (9.21 m) below land-surface datum, Aug. 9, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET). WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.55	20.78	20.41	18.45	18.86	19.68	19.46	21.46	21.25	23.29	21.96	19.62
2	21.39	20.82	20.40	19.28	19.31	19.42	18.92	21.52	21.44	22.59	21.50	19.13
3	21.35	20.25	20.65	19.67	19.65	19.36	18.78	21.55	21.82	21.83	21.56	---
4	21.42	20.24	20.62	18.82	19.78	19.79	18.71	21.55	21.92	21.57	22.08	---
5	21.42	20.83	20.56	19.22	---	19.43	18.69	21.70	22.20	21.41	22.61	---
6	21.52	20.82	20.59	19.06	18.95	19.33	18.91	21.12	22.17	22.11	22.80	---
7	21.41	20.91	20.64	18.95	19.04	19.41	19.13	20.42	22.34	22.86	22.96	---
8	21.47	21.16	20.63	19.34	18.98	19.64	19.01	19.74	21.73	23.10	22.64	---
9	21.67	21.23	20.55	19.23	19.28	19.84	19.50	20.18	21.22	23.19	22.42	---
10	21.88	21.39	20.70	18.76	18.31	19.99	20.02	20.06	---	23.38	22.06	---
11	21.90	21.48	20.68	18.80	19.09	19.07	20.05	19.93	---	23.53	21.43	---
12	21.92	21.67	20.65	19.29	18.59	19.88	20.13	20.20	---	23.41	21.44	---
13	21.89	21.61	20.59	19.42	18.43	20.34	20.26	20.50	---	23.45	21.27	---
14	21.97	21.52	20.52	19.65	18.14	20.13	20.44	20.54	---	23.69	21.32	---
15	22.14	21.17	20.33	19.72	18.01	19.77	20.46	20.69	---	23.68	21.15	---
16	22.30	20.87	20.19	19.80	18.31	20.42	20.53	21.44	21.57	23.62	20.88	---
17	22.20	20.45	20.12	19.81	18.65	20.26	20.78	21.46	22.88	23.57	21.75	---
18	22.06	20.67	20.23	19.73	18.42	19.99	20.99	21.59	23.15	23.51	21.50	---
19	21.89	20.63	20.32	19.47	17.90	19.61	20.98	21.52	22.36	23.14	20.84	---
20	21.74	20.62	20.25	19.37	18.13	18.90	20.88	21.68	22.68	22.91	20.60	---
21	21.62	20.66	20.00	19.51	18.27	18.98	20.61	20.98	22.75	22.90	20.36	---
22	21.57	20.76	19.88	19.56	18.18	18.66	20.29	20.94	23.01	22.89	20.04	---
23	21.28	20.64	19.91	19.55	18.35	18.82	19.78	21.48	23.14	23.26	20.01	---
24	20.83	20.44	19.96	19.28	18.71	18.94	20.42	21.48	23.38	23.30	19.90	---
25	20.91	19.95	19.91	19.53	19.04	19.04	20.93	21.97	23.39	23.17	19.89	---
26	21.20	19.82	19.28	19.14	19.13	20.08	20.25	21.81	23.48	23.07	19.85	---
27	21.14	19.97	19.49	19.62	19.61	19.84	20.60	21.14	23.12	23.42	19.84	---
28	21.06	20.26	19.43	19.23	19.63	19.40	21.15	20.64	22.92	23.66	20.16	---
29	21.11	20.52	19.44	19.23	---	19.47	21.24	20.68	22.99	23.49	19.72	---
30	20.96	20.53	19.36	19.61	---	19.14	21.26	20.42	23.16	22.92	19.52	---
31	20.87	---	18.92	19.36	---	19.52	---	20.74	---	22.32	19.50	---
MEAN	21.54	20.76	20.17	19.34		19.55	20.11	21.00		23.04	21.08	
MAX	22.30	21.67	20.70	19.81		20.42	21.26	21.97		23.69	22.96	
MIN	20.83	19.82	18.92	18.45		18.66	18.69	19.74		21.41	19.50	

## HYDROGRAPH



## BEAUFORT COUNTY

321125080423000. Local number, BFT-444.

LOCATION.--Lat 32°11'25", long 80°42'30", Hydrologic Unit 03050208, at entrance of Palmetto Dunes Corporation on U.S. Hwy. 278. Owner: Palmetto Dunes Development Corp.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled unused recreational artesian well, diameter 6 in (15.4 cm), depth 212 ft (64.6 m), cased to 146 ft (44.5 m), open hole to 212 ft (64.6 m).

DATUM.--Land-surface datum is 16.60 ft (5.05 m) (revised) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.95 ft (0.29 m) above land-surface datum.

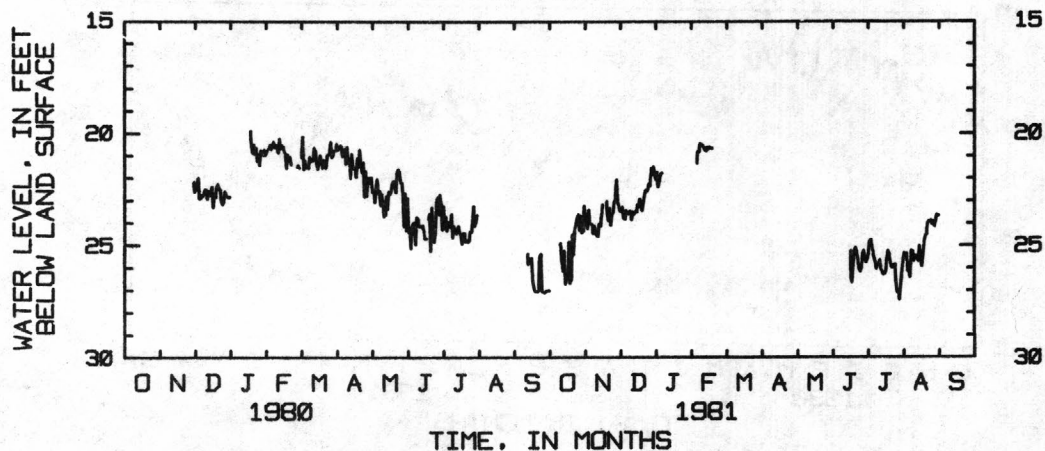
PERIOD OF RECORD.--February 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 16.67 ft (5.08 m) below land-surface datum, Jan. 19, 1976; lowest, 27.12 ft (8.27 m) below land-surface datum, Sept. 26, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	23.91	23.52	21.75	---				---	25.65	25.67	
2	---	24.27	23.29	22.41	---				---	25.41	25.34	
3	---	23.41	23.79	22.17	---				---	24.84	25.47	
4	---	24.03	23.84	21.87	21.34				---	24.77	25.35	
5	---	24.06	23.44	21.78	20.83				---	25.02	26.17	
6	---	24.10	23.55	---	20.84				---	25.28	26.10	
7	---	24.48	23.61	---	20.46				---	25.59	26.42	
8	---	24.13	23.48	---	20.52				---	25.77	25.24	
9	24.92	24.40	23.47	---	20.54				---	26.06	25.26	
10	25.04	24.57	23.86	---	20.62				---	25.87	25.73	
11	25.73	24.62	23.50	---	20.75				---	25.88	25.45	
12	26.15	24.04	23.63	---	20.81				---	25.66	25.62	
13	25.24	24.12	23.47	---	20.63				---	26.08	25.47	
14	26.72	23.70	23.53	---	20.73				---	26.19	25.73	
15	26.47	23.19	23.18	---	20.62				---	26.32	25.04	
16	26.40	---	23.27	---	20.68				25.28	26.27	25.44	
17	24.85	---	22.93	---	20.70				26.41	26.17	25.96	
18	26.69	23.05	23.16	---	---				26.67	25.57	25.50	
19	26.52	23.57	23.46	---	---				25.94	25.24	24.89	
20	24.51	23.90	23.13	---	---				25.23	25.39	24.61	
21	25.43	23.34	22.82	---	---				25.10	25.74	24.53	
22	24.34	24.11	22.55	---	---				25.27	25.98	24.03	
23	24.06	23.62	22.58	---	---				25.61	26.01	23.92	
24	23.77	23.51	22.49	---	---				26.06	25.87	23.98	
25	23.62	23.06	22.25	---	---				26.19	25.86	23.88	
26	24.34	22.95	22.36	---	---				26.01	26.67	24.08	
27	23.67	22.08	21.57	---	---				25.41	27.11	23.91	
28	24.45	23.07	21.86	---	---				25.24	27.02	24.17	
29	24.37	23.26	21.50	---	---				25.48	27.42	23.92	
30	23.24	23.48	21.78	---	---				25.78	26.81	23.63	
31	23.70	---	22.11	---	---				---	26.15	23.67	
MEAN			23.00							25.92	24.97	
MAX			23.86							27.42	26.42	
MIN			21.50							24.77	23.63	

## HYDROGRAPH



## BEAUFORT COUNTY

322340080455500. Local number, BFT-453.

LOCATION.--Lat 32°23'40", long 80°45'55", Hydrologic Unit 03050208, 0.75 mi (1.2 km) northeast of Broad River bridge in the intersection of State Hwy. 170, 281, and 20.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (10.3 cm), depth 104 ft (31.7 m), cased to 63 ft (19.2 m), open hole to 104 ft (31.7 m).

DATUM.--Land-surface datum is 18 ft (5.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.5 ft (1.06 m) above land-surface datum.

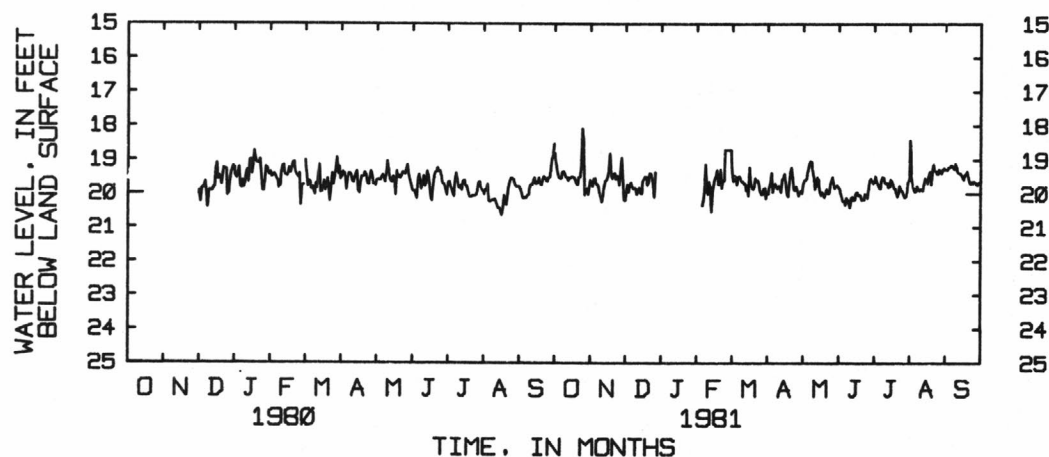
PERIOD OF RECORD.--December 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 18.02 ft (5.61 m) below land-surface datum, Sept. 4, 1979; lowest, 21.14 ft (6.39 m) below land-surface datum, January 21, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.81	19.70	19.93		---	18.70	19.94	19.98	19.80	19.69	19.58	19.28
2	19.17	19.77	19.73		---	19.38	20.00	19.73	19.85	19.65	18.41	19.27
3	19.38	19.55	19.95		---	19.64	19.80	19.59	19.97	19.46	19.50	19.27
4	19.51	19.54	19.75		20.35	19.46	19.67	19.58	20.07	19.64	19.68	19.20
5	19.56	19.71	19.67		20.23	19.50	19.37	19.54	20.22	19.72	19.85	19.19
6	19.55	19.73	19.78		19.97	19.74	19.95	19.31	20.20	19.80	19.94	19.14
7	19.36	19.78	19.85		19.12	19.50	19.79	19.13	20.32	19.85	19.91	19.15
8	19.33	19.99	19.82		19.79	19.48	19.70	19.02	20.11	19.61	19.76	19.20
9	19.42	20.10	19.86		20.01	19.55	19.77	19.04	20.17	19.50	19.88	19.26
10	19.51	20.25	20.02		19.65	19.64	19.85	19.30	20.27	19.53	19.91	19.10
11	19.52	20.04	19.94		19.78	19.64	19.76	19.49	20.42	19.66	19.86	19.21
12	19.62	19.78	19.82		20.54	19.71	19.80	19.87	20.13	19.69	19.87	19.35
13	19.53	19.61	19.98		19.92	19.70	19.95	19.76	20.08	19.68	19.92	19.39
14	19.53	19.58	20.00		19.73	19.91	19.57	19.51	20.18	19.80	19.72	19.38
15	19.50	19.49	19.63		19.55	19.75	19.53	19.57	20.17	19.78	19.53	19.44
16	19.51	19.32	19.56		19.46	20.06	19.40	19.92	19.99	19.57	19.57	19.51
17	19.53	18.81	19.49		19.29	19.21	19.65	20.04	19.94	19.64	19.69	19.59
18	19.58	19.45	19.50		19.72	19.69	19.98	19.94	20.03	19.73	19.45	19.44
19	19.72	19.56	19.75		19.73	19.81	20.07	20.00	20.02	19.84	19.33	19.40
20	19.74	19.41	19.68		19.25	19.87	19.71	20.10	20.04	19.85	19.73	19.33
21	19.51	19.38	19.38		19.84	19.79	19.34	20.00	20.17	19.99	19.28	19.50
22	19.50	19.58	19.39		19.59	19.54	19.20	19.87	20.16	20.08	19.12	19.66
23	19.27	19.47	19.52		19.62	19.64	19.52	19.98	20.17	19.97	19.31	19.71
24	18.07	19.49	19.73		18.69	19.60	19.86	19.98	20.00	19.76	19.32	19.65
25	18.45	19.75	20.10		18.70	19.71	19.90	19.84	20.00	19.87	19.40	19.70
26	20.04	19.39	19.36		18.69	19.90	19.78	19.61	20.12	19.93	19.40	19.63
27	19.91	18.93	---		18.70	20.01	19.89	19.50	19.86	20.01	19.26	19.67
28	19.84	19.57	---		18.69	20.01	20.06	19.70	19.61	20.11	19.30	19.74
29	20.02	20.19	---		---	19.87	19.96	19.84	19.54	20.07	19.39	19.74
30	19.79	20.21	---		---	19.82	19.91	19.78	19.62	19.95	19.28	19.67
31	19.59	---	---		---	20.14	---	19.75	---	19.64	19.23	---
MEAN	19.46	19.64				19.68	19.76	19.69	20.04	19.78	19.53	19.43
MAX	20.04	20.25				20.14	20.07	20.10	20.42	20.11	19.94	19.74
MIN	18.07	18.81				18.70	19.20	19.02	19.54	19.46	18.41	19.10

## HYDROGRAPH





## GROUND WATER LEVELS

## BEAUFORT COUNTY

32145908/420101. Local number, BFT-786.

LOCATION.--Lat 32°14'59", long 80°42'01", Hydrologic Unit 03050208, North end of Hilton Head Island, where State road 335 ends and 2.0 miles (3.2 km) northwest of Hilton Head Tower.

Owner: Town of Hilton Head.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled unused artesian test well, diameter 4 in (10.2 cm), depth 524 ft (159.7 m), cased to 300 ft (91.4 m), open hole to 524 ft (159.7 m).

DATUM.--Land-surface datum is 12.14 ft (3.70 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.43 m) above land-surface datum.

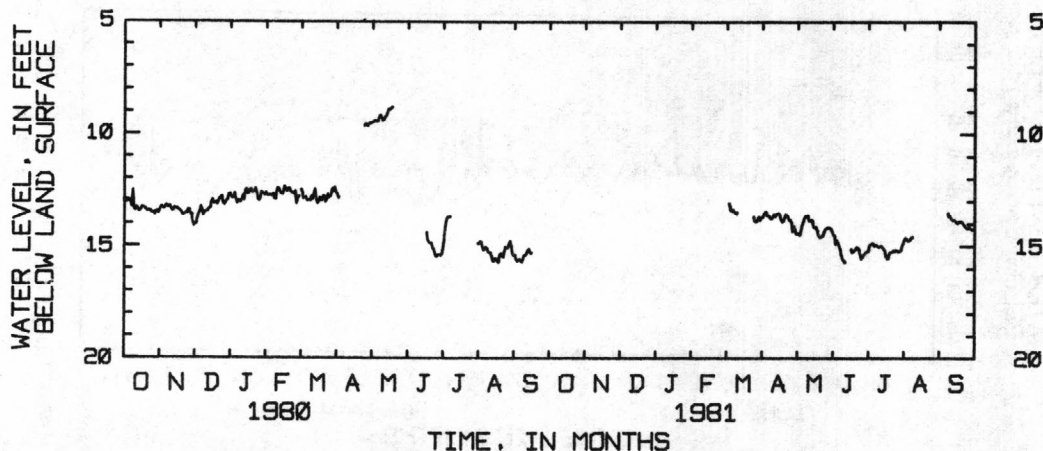
PERIOD OF RECORD.--December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 8.83 ft (2.69 m) below land-surface datum, May 18, 1980; lowest 15.74 ft (4.80 m) below land-surface datum, Aug. 18, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	13.71	14.44	14.36	15.24	14.90	---
2						---	13.72	14.44	14.49	15.21	14.73	---
3						---	13.62	14.49	14.55	14.97	14.63	---
4						13.13	13.53	14.52	14.93	14.93	14.69	---
5						13.23	13.48	14.37	14.75	14.87	14.76	---
6						13.42	13.65	14.12	14.89	14.87	14.75	---
7						13.38	13.64	13.93	15.00	14.99	14.70	---
8						13.45	13.68	13.76	15.17	14.95	14.61	13.55
9						13.50	13.77	13.66	15.43	14.97	14.60	13.68
10						13.53	13.79	13.67	15.60	14.99	---	13.65
11						13.55	13.69	13.63	15.66	15.04	---	13.75
12						---	13.61	13.86	15.73	15.02	---	13.83
13						---	13.68	13.89	---	14.98	---	13.85
14						---	13.59	13.82	---	15.05	---	13.84
15						---	13.57	13.87	---	15.12	---	13.89
16						---	13.55	14.14	---	15.20	---	13.97
17						---	13.62	14.20	15.14	15.39	---	14.00
18						---	13.81	14.15	15.28	15.54	---	13.90
19						---	13.93	14.30	15.25	15.54	---	13.91
20						---	13.89	14.51	15.18	15.37	---	13.90
21						---	13.75	14.61	15.14	15.27	---	13.96
22						---	13.61	14.62	15.06	15.25	---	14.05
23						---	13.63	14.59	15.09	15.26	---	14.10
24						---	13.70	14.52	15.14	15.20	---	14.17
25						13.71	13.82	14.39	15.36	15.22	---	14.23
26						13.87	13.85	14.27	15.57	15.18	---	14.19
27						13.91	13.94	14.20	15.48	15.20	---	14.18
28						13.91	14.38	14.18	15.39	15.25	---	14.22
29						13.80	14.11	14.18	15.34	15.22	---	14.28
30						13.69	14.26	14.20	15.27	15.18	---	14.28
31						13.85	---	14.23	---	15.01	---	---
MEAN							13.75	14.19		15.14		
MAX							14.38	14.62		15.54		
MIN							13.48	13.63		14.87		

## HYDROGRAPH





## GROUND WATER LEVELS

275

## BEAUFORT COUNTY

321459080420102. Local number, BFT-787.

LOCATION.--Lat 32°14'59", long 80°42'01", Hydrologic Unit 03050208, North end of Hilton Head Island, 2.0 miles (3.2 km) northwest of Hilton Head Tower, and at end of State Road 335.

Owner: Town of Hilton Head.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled unused artesian test well, diameter 4 in (10.2 cm), depth 239 ft (72.8 m), cased to 126 ft (38.4 m), open hole to 239 ft (72.8 m).

DATUM.--Land-surface datum is 12 ft (3.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.31 m) above land-surface datum.

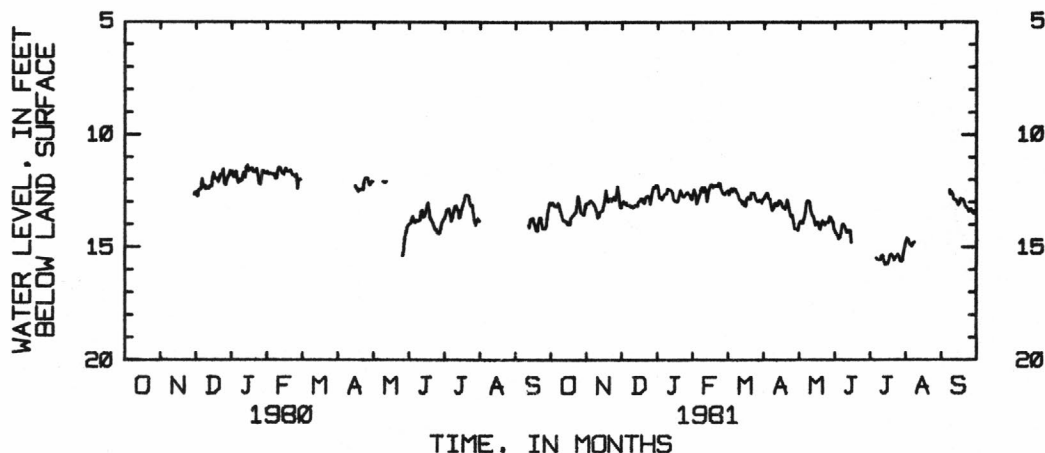
PERIOD OF RECORD.--July 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 9.99 ft (3.045 m) below land-surface datum, Mar. 9, 1978; lowest 15.79 ft (4.81 m) below land-surface datum July 17, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.13	13.08	13.12	12.43	12.47	12.58	12.89	14.28	14.21	---	14.96	---
2	13.05	13.10	12.98	12.85	12.64	12.51	12.87	14.00	14.35	---	14.76	---
3	13.13	12.97	13.13	12.80	13.13	12.70	12.73	13.87	14.43	---	14.61	---
4	13.20	12.95	13.05	12.92	13.00	12.53	12.62	13.97	14.53	---	14.68	---
5	13.20	13.03	13.16	12.83	12.81	12.42	12.64	13.97	14.66	---	14.85	---
6	13.23	13.09	13.18	12.70	12.65	12.56	12.87	13.77	14.60	---	14.93	---
7	13.08	13.17	13.17	12.65	12.40	12.42	12.91	13.57	14.42	15.50	14.99	---
8	13.18	13.30	13.24	12.65	12.37	12.45	13.20	13.10	14.08	15.56	14.85	12.50
9	13.44	13.45	13.19	12.43	12.59	12.56	13.41	12.94	13.98	15.59	14.79	12.67
10	13.62	13.74	13.28	12.47	12.36	12.65	13.32	12.97	14.08	15.59	---	12.56
11	13.81	13.66	13.24	12.48	12.50	12.79	13.12	13.02	14.20	15.58	---	12.69
12	13.88	13.48	13.16	12.52	13.01	12.93	13.07	13.40	14.37	15.40	---	12.89
13	13.85	13.42	13.22	12.58	12.61	12.94	13.19	13.59	14.36	15.38	---	12.92
14	13.90	13.39	13.22	12.90	12.41	13.10	13.15	13.66	14.28	15.60	---	12.95
15	14.02	13.19	13.00	13.00	12.25	13.00	12.96	13.82	14.29	15.78	---	13.05
16	14.02	12.98	12.97	12.97	12.23	13.20	12.98	14.07	14.82	15.71	---	13.17
17	14.03	12.49	12.86	13.03	12.38	13.23	13.10	13.92	---	15.79	---	13.07
18	13.76	12.85	12.87	12.95	12.33	12.90	13.26	13.92	---	15.68	---	12.88
19	13.64	13.01	13.04	12.71	12.26	12.80	13.28	14.14	---	15.42	---	12.92
20	13.59	12.91	13.08	12.49	12.31	12.89	13.35	14.24	---	15.33	---	12.92
21	13.52	12.86	12.84	12.62	12.33	12.89	13.15	14.01	---	15.36	---	13.02
22	13.47	12.99	12.75	12.78	12.17	12.60	12.92	13.85	---	15.46	---	13.23
23	13.17	12.89	12.74	12.79	12.20	12.62	13.16	13.99	---	15.59	---	13.28
24	12.76	12.81	12.85	12.70	12.46	12.61	13.46	14.06	---	15.47	---	13.35
25	12.99	12.95	13.13	12.64	12.59	12.71	13.67	13.91	---	15.41	---	13.45
26	13.43	12.74	12.80	12.59	12.66	12.89	13.61	13.90	---	15.33	---	13.36
27	13.52	12.32	12.53	12.67	12.71	13.00	13.86	13.93	---	15.41	---	13.33
28	13.58	12.74	12.34	12.72	12.58	13.00	14.20	13.67	---	15.64	---	13.46
29	13.61	13.22	12.39	12.87	---	12.92	14.22	13.69	---	15.63	---	13.54
30	13.32	13.30	12.28	12.91	---	12.94	14.24	13.82	---	15.60	---	13.43
31	13.09	---	12.28	12.68	---	13.08	---	13.91	---	15.24	---	---
MEAN	13.46	13.07	12.94	12.72	12.51	12.79	13.25	13.77				
MAX	14.03	13.74	13.28	13.03	13.13	13.23	14.24	14.28				
MIN	12.76	12.32	12.28	12.43	12.17	12.42	12.62	12.94				

## HYDROGRAPH



## GROUND WATER LEVELS

## BERKELEY COUNTY

331708079413800. Local number, BRK-53.

LOCATION.--Lat 33°17'08", long 79°41'38", Hydrologic Unit 03050112, on State Hwy 41 in Jamestown behind City Hall.

Owner: Town of Jamestown.

AQUIFER.--Santee Limestone.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 6 in (15.38 cm), depth 32 ft (9.75 m), cased to 28 ft (8.5 m), open hole to 32 ft (9.75 m).

DATUM.--Land-surface datum is 32 ft (9.75 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.56 ft (0.17 m) above land-surface datum.

REMARKS.--Water levels effected by nearby pumping.

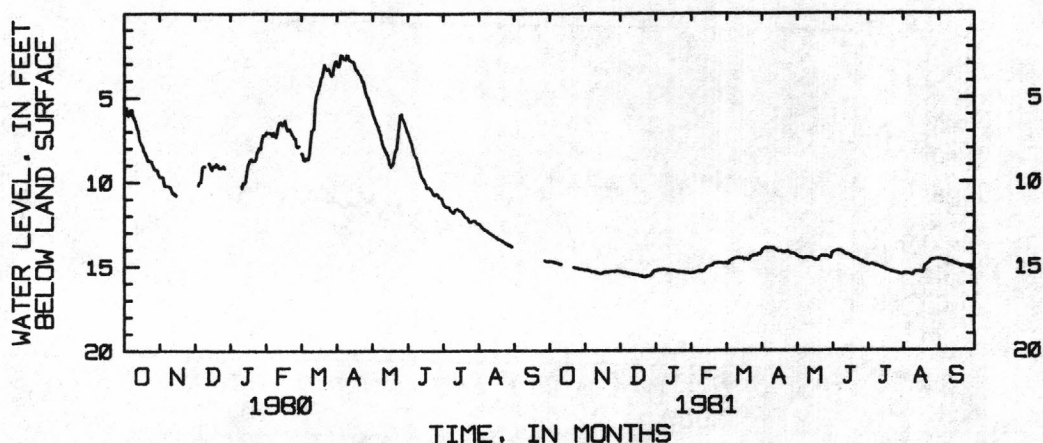
PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 0.67 ft (0.20 m) below land-surface datum, Mar. 18, 1975; lowest, 15.72 ft (4.79 m) below land-surface datum, Dec. 22, 23, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET). WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.67	15.18	15.26	15.18	15.34	14.75	14.18	14.31	14.24	14.87	15.44	14.53
2	14.68	15.20	15.29	15.18	15.32	14.76	14.03	14.37	14.13	14.91	15.39	14.53
3	14.69	15.22	15.32	15.16	15.32	14.80	13.94	14.43	14.09	14.92	15.38	14.54
4	14.71	15.23	15.33	15.16	15.27	14.78	13.90	14.44	14.06	14.87	15.38	14.56
5	14.74	15.25	15.34	15.17	15.27	14.63	13.85	14.46	14.05	14.86	15.39	14.58
6	14.77	15.28	15.37	15.14	15.24	14.59	13.88	14.48	14.03	14.87	15.41	14.60
7	14.79	15.28	15.39	15.14	15.22	14.55	13.90	14.52	4.04	14.90	15.43	14.62
8	14.81	15.30	15.40	15.16	15.22	14.53	13.88	14.49	14.06	14.93	15.46	14.63
9	14.83	15.32	15.40	15.16	15.26	14.50	13.87	14.46	14.07	14.95	15.49	14.66
10	14.85	15.34	15.42	15.18	15.23	14.48	13.90	14.45	14.12	14.97	15.48	14.69
11	---	15.37	15.45	15.18	15.19	14.46	13.91	14.44	14.18	15.01	15.34	14.72
12	---	15.38	15.46	15.19	15.12	14.48	13.91	14.48	14.24	15.05	15.29	14.74
13	---	15.40	15.47	15.20	15.02	14.45	13.97	14.50	14.27	15.07	15.29	14.77
14	---	15.40	15.50	15.21	14.97	14.50	14.02	14.49	14.30	15.09	15.29	14.80
15	---	15.38	15.50	15.22	14.94	14.50	14.07	14.50	14.31	15.13	15.29	14.83
16	---	15.33	15.51	15.24	14.92	14.48	14.09	14.56	14.34	15.15	15.30	14.86
17	---	15.30	15.54	15.27	14.90	14.56	14.06	14.59	14.39	15.18	15.33	14.89
18	---	15.28	15.55	15.28	14.88	14.52	14.08	14.61	14.45	15.21	15.37	14.91
19	---	15.30	15.56	15.30	14.80	14.55	14.11	14.61	14.48	15.23	15.26	14.94
20	---	15.30	15.59	15.30	14.76	14.58	14.11	14.62	14.51	15.25	15.00	14.95
21	15.04	15.28	15.61	15.31	14.75	14.60	14.14	14.45	14.54	15.27	14.90	14.97
22	15.06	15.27	15.61	15.32	14.75	14.54	14.11	14.39	14.56	15.30	14.85	14.99
23	15.08	15.27	15.59	15.30	14.73	14.41	14.06	14.35	14.60	15.32	14.81	15.02
24	15.09	15.25	15.53	15.32	14.74	14.38	14.04	14.35	14.65	15.33	14.74	15.05
25	15.11	15.27	15.55	15.33	14.75	14.34	14.14	14.36	14.68	15.35	14.62	15.07
26	15.14	15.27	15.53	15.33	14.75	14.33	14.19	14.37	14.70	15.37	14.58	15.10
27	15.15	15.24	15.50	15.33	14.78	14.30	14.19	14.36	14.74	15.38	14.56	15.13
28	15.15	15.24	15.41	15.36	14.76	14.32	14.22	14.38	14.78	15.40	14.56	15.15
29	15.17	15.24	15.31	15.38	---	14.29	14.24	14.43	14.82	15.42	14.54	15.18
30	15.18	15.26	15.25	15.37	---	14.24	14.26	14.47	14.84	15.45	14.53	15.21
31	15.17	---	15.22	15.37	---	14.27	---	14.49	---	15.47	14.53	---
MEAN		15.29	15.44	15.25	15.01	14.50	14.04	14.46	14.38	15.14	15.10	14.84
MAX		15.40	15.61	15.38	15.34	14.80	14.26	14.62	14.84	15.47	15.49	15.21
MIN		15.18	15.22	15.14	14.73	14.24	13.85	14.31	14.03	14.86	14.53	14.53

## HYDROGRAPH



## BERKELEY COUNTY

332455079555000. Local number, BRK-59.

LOCATION.--Lat 33°24'55", long 79°55'50", Hydrologic Unit 03050112, northwest of St. Stephens, northeast of State road 64 on dirt road 100 ft north of old Santee Hardwood Co. water tank and at Turner Lumber Company.

Owner: Turner Lumber Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused industrial artesian well, diameter 6 in (15.38 cm) to 146 ft (44.5 m), 4 in (10.3 cm) from 146-560 ft (44.5-170.7 m), depth 560 ft (170.7 m), screened or slotted 356-390 ft (108.5-119 m).

DATUM.--Land-surface datum is 75 ft (22.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft (0.02 m) above land-surface datum.

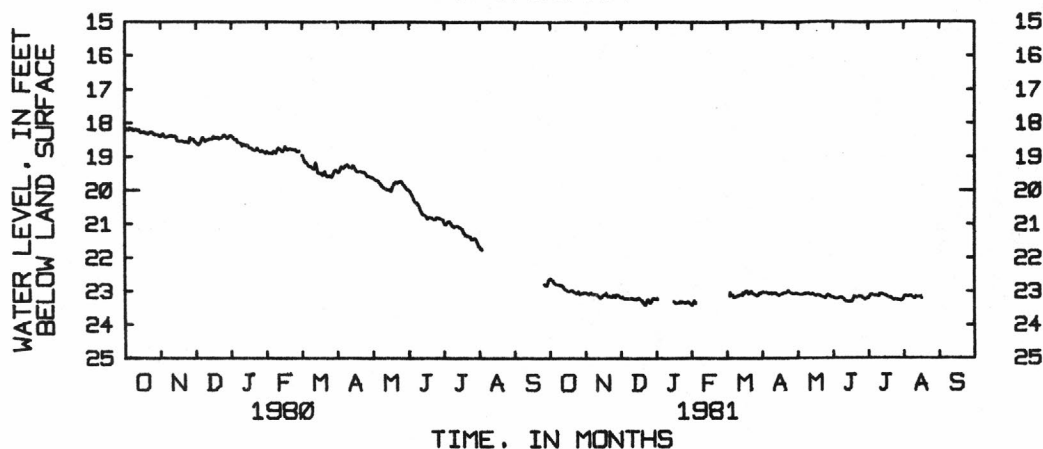
PERIOD OF RECORD.--October 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 17.27 ft (5.27 m) below land-surface datum, Mar. 10, 1978; lowest, 23.42 ft (7.14 m) below land-surface datum, Jan. 31, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.62	23.03	23.19	23.23	23.37	---	23.02	23.06	23.16	23.19	23.24	
2	22.64	23.07	23.17	---	23.28	---	23.01	23.07	23.18	23.21	23.15	
3	22.67	23.09	23.21	---	23.36	---	23.04	23.08	23.19	23.15	23.13	
4	22.72	23.05	23.23	---	---	23.14	23.04	23.09	23.20	23.09	23.15	
5	22.76	23.03	23.21	---	---	23.02	23.02	23.09	23.20	23.09	23.16	
6	22.78	23.08	23.22	---	---	23.09	23.04	23.09	23.19	23.11	23.15	
7	22.79	23.08	23.22	---	---	23.13	23.07	23.08	23.18	23.12	23.13	
8	22.79	23.08	23.22	---	---	23.18	23.07	23.05	23.17	23.12	23.14	
9	22.80	23.09	23.20	---	---	23.18	23.05	23.07	23.17	23.12	23.18	
10	22.82	23.10	23.19	---	---	23.16	23.07	23.05	23.20	23.13	23.21	
11	22.82	23.14	23.23	---	---	23.13	23.07	23.03	23.23	23.15	23.22	
12	22.86	23.17	23.25	---	---	23.14	23.05	23.06	23.28	23.07	23.16	
13	22.92	23.20	23.23	---	---	23.10	23.05	23.09	23.30	23.08	23.18	
14	22.95	23.18	23.26	---	---	23.10	23.08	23.07	23.31	23.07	23.18	
15	22.97	23.12	23.24	23.31	---	23.11	23.10	23.05	23.31	23.10	23.18	
16	23.00	23.10	23.19	23.33	---	23.02	23.13	23.09	23.31	23.12	23.17	
17	23.00	23.09	23.24	23.36	---	23.07	23.10	23.12	23.31	23.12	23.22	
18	22.98	23.05	23.28	23.35	---	23.00	23.07	23.11	23.31	23.15	---	
19	22.96	23.14	23.29	23.34	---	22.98	23.08	23.09	23.23	23.18	---	
20	22.98	23.15	23.35	23.33	---	23.02	23.04	23.09	23.15	23.19	---	
21	23.01	23.13	23.40	23.29	---	23.07	23.04	23.11	23.16	23.18	---	
22	23.04	23.17	23.39	23.33	---	23.05	23.05	23.14	23.17	23.20	---	
23	23.07	23.17	23.29	23.31	---	23.00	23.02	23.15	23.16	23.25	---	
24	23.05	23.12	23.25	23.32	---	23.05	22.97	23.17	23.14	23.26	---	
25	23.00	23.15	23.32	23.35	---	23.08	23.02	23.18	23.15	23.24	---	
26	23.07	23.18	23.34	23.33	---	23.11	23.06	23.19	23.15	23.25	---	
27	23.08	23.10	23.29	23.30	---	23.11	23.06	23.13	23.19	23.26	---	
28	23.05	23.11	23.22	23.31	---	23.14	23.07	23.08	23.22	23.27	---	
29	23.06	23.13	23.21	23.36	---	23.12	23.07	23.10	23.25	23.27	---	
30	23.05	23.18	23.22	23.38	---	23.05	23.06	23.14	23.23	23.30	---	
31	23.03	---	23.23	23.42	---	23.07	---	23.16	---	23.26	---	
MEAN	22.91	23.12	23.25				23.05	23.10	23.21	23.17		
MAX	23.08	23.20	23.40				23.13	23.19	23.31	23.30		
MIN	22.62	23.03	23.17				22.97	23.03	23.14	23.07		
WTR YR 1981 MEAN	23.13			HIGH 22.62			LOW 23.42					

## HYDROGRAPH



## GROUND WATER LEVELS

## BERKELEY COUNTY

332455079545501. Local number, BRK-62, Cooper River Rediversion No. 19.

LOCATION.--Lat 33°24'55", long 79°54'55", Hydrologic Unit 03050112, near St. Stephens.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene sands.

WELL CHARACTERISTICS.--Drilled test and observation well, diameter 6 in (15.38 cm), depth 32 ft (9.75 m), cased to 21 ft (6.4 m), screened between 21-31 ft (6.4-9.4 m).

DATUM.--Land-surface datum is 71.91 ft (21.92 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of platform, 74.61 ft (22.74 m) NGVD.

PERIOD OF RECORD.--November 1972 to current year.

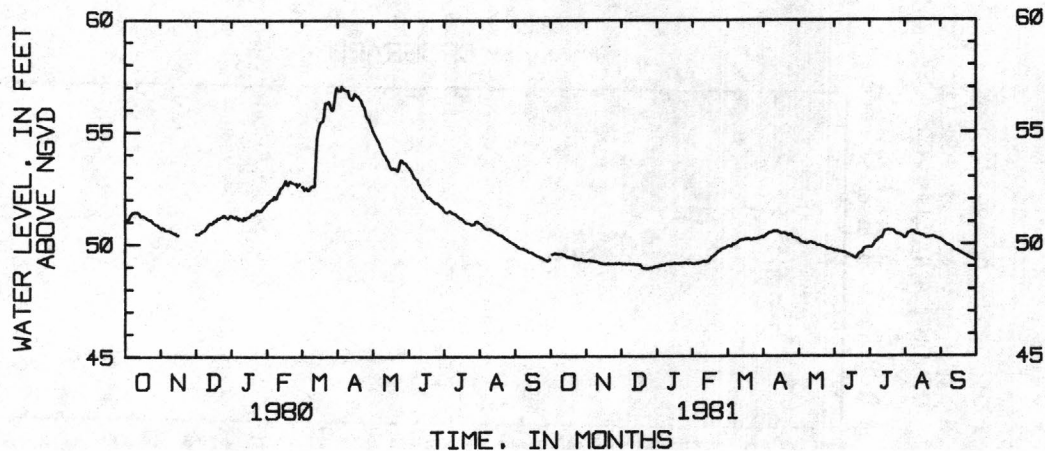
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 57.02 ft (17.39 m) NGVD, April 4, 1980; lowest, 48.60 ft (14.81 m) NGVD, Nov. 28, 1978.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49.35	49.09	48.91	48.85	48.95	49.72	50.15	49.99	49.50	49.68	50.13	49.95
2	49.38	49.06	48.92	48.83	48.96	49.73	50.19	49.92	49.50	49.67	50.23	49.90
3	49.40	49.05	48.88	48.87	48.94	49.71	50.24	49.88	49.49	49.71	50.32	49.86
4	49.38	49.06	48.90	48.86	48.97	49.72	50.27	49.88	49.47	49.80	50.34	49.82
5	49.36	49.04	48.92	48.86	48.97	49.82	50.32	49.86	49.47	49.91	50.36	49.77
6	49.36	49.02	48.91	48.90	49.00	49.81	50.32	49.85	49.46	49.95	50.38	49.75
7	49.37	49.01	48.90	48.93	49.03	49.83	50.33	49.82	49.43	49.99	50.38	49.73
8	49.37	49.00	48.90	48.91	49.04	49.85	50.36	49.84	49.43	50.04	50.33	49.71
9	49.36	48.98	48.91	48.91	49.00	49.90	50.38	49.86	49.42	50.09	50.28	49.67
10	49.33	48.96	48.90	48.92	49.02	49.93	50.37	49.88	49.39	50.12	50.26	49.63
11	49.32	48.94	48.88	48.93	49.04	49.97	50.38	49.90	49.35	50.10	50.26	49.59
12	49.27	48.92	48.88	48.94	49.05	49.98	50.39	49.85	49.32	50.22	50.24	49.55
13	49.24	48.91	48.88	48.94	49.12	50.01	50.35	49.82	49.31	50.35	50.22	49.52
14	49.23	48.91	48.86	48.96	49.18	49.99	50.33	49.84	49.28	50.42	50.21	49.50
15	49.22	48.91	48.87	48.93	49.24	50.01	50.28	49.82	49.26	50.42	50.20	49.47
16	49.20	48.90	48.79	48.95	49.28	50.04	50.28	49.75	49.23	50.45	50.18	49.44
17	49.19	48.94	48.72	48.93	49.31	50.00	50.30	49.74	49.20	50.45	50.12	49.41
18	49.18	48.94	48.72	48.95	49.35	50.05	50.30	49.75	49.17	50.43	50.09	49.38
19	49.17	48.91	48.71	48.95	49.42	50.02	50.27	49.74	49.18	50.42	50.12	49.35
20	49.13	48.92	48.70	48.95	49.47	50.00	50.25	49.71	49.28	50.43	50.11	49.33
21	49.12	48.93	48.69	48.95	49.50	49.98	50.19	49.69	49.37	50.41	50.13	49.30
22	49.11	48.91	48.71	48.96	49.53	50.03	50.19	49.67	49.41	50.35	50.14	49.27
23	49.09	48.92	48.73	48.97	49.59	50.05	50.24	49.64	49.41	50.29	50.13	49.23
24	49.11	48.94	48.74	48.95	49.61	50.03	50.23	49.62	49.47	50.27	50.15	49.20
25	49.13	48.91	48.72	48.93	49.62	50.04	50.13	49.59	49.57	50.26	50.14	49.17
26	49.08	48.91	48.75	48.96	49.64	50.05	50.09	49.58	49.64	50.24	50.09	49.15
27	49.07	48.95	48.78	48.96	49.66	50.08	50.09	49.59	49.66	50.22	50.08	49.13
28	49.08	48.93	48.79	48.94	49.70	50.07	50.06	49.59	49.67	50.19	50.04	49.11
29	49.06	48.92	48.81	48.92	---	50.11	50.04	49.55	49.68	50.16	50.02	49.07
30	49.06	48.90	48.81	48.93	---	50.14	50.03	49.53	49.69	50.09	50.01	49.05
31	49.08	---	48.82	48.92	---	50.10	---	49.51	---	50.10	49.98	---
MEAN	49.22	48.96	48.82	48.92	49.26	49.96	50.25	49.75	49.42	50.17	50.18	49.47
MAX	49.40	49.09	48.92	48.97	49.70	50.14	50.39	49.99	49.69	50.45	50.38	49.95
MIN	49.06	48.90	48.69	48.83	48.94	49.71	50.03	49.51	49.17	49.67	49.98	49.05

WTR YR 1981 MEAN 49.53 MAX 50.45 MIN 48.69

## HYDROGRAPH



## GROUND WATER LEVELS

279

## BERKELEY COUNTY

332455079545500. Local number, BRK-63, Cooper River Rediversion No. 20.

LOCATION.--Lat 33°24'55", long 79°54'55", Hydrologic Unit 03050112, at the end of North Main St. in St. Stephens.

Owner: U.S. Army Corp of Engineers.

AQUIFER.--Paleocene-Eocene limestone, Black Mingo Formation.

WELL CHARACTERISTICS.--Drilled test and observation artesian well, diameter 6 in (15.38 cm), depth 158 ft (48.17 m), cased to 133 ft (40.54 m), open hole to 158 ft (48.17 m).

DATUM.--Land-surface datum is 72.11 ft (21.98 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of platform, 75.04 ft (22.87 m) NGVD.

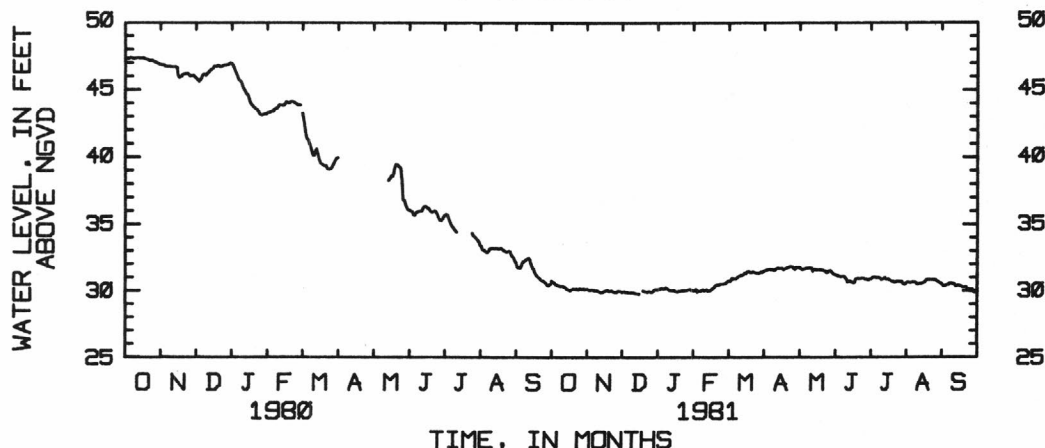
PERIOD OF RECORD.--November 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 50.95 ft (15.53 m) NGVD, March 26, 1975; lowest, 29.81 ft (9.09 m) NGVD, Sept. 30, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.67	30.08	29.88	30.10	30.01	30.66	31.44	31.73	31.16	30.84	30.46	30.45
2	30.62	30.04	29.92	30.10	30.07	30.73	31.48	31.70	31.11	30.84	30.57	30.32
3	30.58	30.00	29.87	30.16	29.85	30.70	31.51	31.60	31.08	30.91	30.61	30.32
4	30.45	30.06	29.83	30.17	29.96	30.77	31.53	31.54	31.02	30.97	30.57	30.32
5	30.39	30.06	29.85	30.11	29.95	30.92	31.57	31.59	31.02	30.97	30.56	30.38
6	30.35	30.00	29.82	30.14	29.95	30.88	31.57	31.60	30.98	30.96	30.58	30.41
7	30.33	29.99	29.82	30.20	30.00	30.88	31.58	31.64	31.02	30.94	30.62	30.40
8	30.31	29.99	29.83	30.12	30.05	30.88	31.57	31.68	31.03	30.94	30.60	30.51
9	30.32	29.97	29.82	30.07	29.97	30.92	31.54	31.66	31.02	30.92	30.59	30.53
10	30.31	29.94	29.81	30.02	29.99	31.00	31.48	31.68	30.92	30.88	30.53	30.47
11	30.28	29.88	29.77	30.00	30.06	31.07	31.54	31.67	30.81	30.78	30.42	30.46
12	30.22	29.84	29.75	29.98	29.95	31.09	31.63	31.64	30.62	30.83	30.46	30.44
13	30.14	29.83	29.75	30.00	29.96	31.16	31.66	31.41	30.66	30.88	30.48	30.29
14	30.07	29.89	29.73	29.99	29.99	31.16	31.64	31.56	30.67	30.93	30.49	30.31
15	30.04	29.95	29.73	29.95	30.05	31.20	31.64	31.57	30.61	30.81	30.50	30.36
16	29.99	29.97	---	29.91	30.13	31.31	31.65	31.51	30.59	30.81	30.55	30.33
17	30.01	30.00	---	29.91	30.18	31.29	31.65	31.51	30.53	30.85	30.60	30.29
18	30.08	30.03	29.96	29.95	30.26	31.38	31.55	31.52	30.55	30.77	30.66	30.25
19	30.12	29.92	29.95	29.96	30.37	31.42	31.61	31.54	30.79	30.73	30.78	30.20
20	30.10	29.94	29.91	29.97	30.42	31.38	31.64	31.53	30.88	30.66	30.81	30.21
21	30.08	29.99	29.88	30.00	30.42	31.31	31.70	31.51	30.90	30.65	30.80	30.22
22	30.12	29.94	29.87	29.97	30.42	31.34	31.73	31.47	30.86	30.60	30.79	30.22
23	30.06	29.89	29.93	30.02	30.48	31.40	31.76	31.44	30.85	30.58	30.78	30.07
24	30.08	29.87	29.93	30.00	30.49	31.35	31.80	31.44	30.89	30.63	30.79	30.09
25	30.13	29.88	29.85	30.00	30.49	31.31	31.75	31.29	30.90	30.68	30.78	30.05
26	30.08	29.87	29.86	30.04	30.51	31.29	31.74	31.34	30.89	30.66	30.76	30.05
27	30.07	29.96	29.93	30.07	30.51	31.31	31.60	31.45	30.84	30.64	30.74	30.05
28	30.11	29.95	30.04	30.07	30.58	31.27	31.57	31.48	30.82	30.63	30.66	29.98
29	30.08	29.93	30.08	30.02	---	31.30	31.73	31.40	30.77	30.61	30.61	29.84
30	30.08	29.87	30.08	30.00	---	31.38	31.71	31.28	30.76	30.46	30.52	29.81
31	30.09	---	30.06	29.96	---	31.33	---	31.17	---	30.41	30.50	---
MEAN	30.21	29.95		30.03	30.18	31.14	31.62	31.52	30.85	30.77	30.62	30.25
MAX	30.67	30.08		30.20	30.58	31.42	31.80	31.73	31.16	30.97	30.81	30.53
MIN	29.99	29.83		29.91	29.85	30.66	31.44	31.17	30.53	30.41	30.42	29.81

## HYDROGRAPH





## BERKELEY COUNTY

332630079592501. Local number, BRK-64, Cooper River Rediversion No. 3.

LOCATION.--Lat 33°26'30", long 79°59'25", Hydrologic Unit 03050112, at Intersection of state roads 6 and 35 west of U.S. Hwy. 52.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene sands.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 35 ft (10.67 m), cased to 20 ft (6.10 m), screened to 35 ft (10.67 m).

DATUM.--Land-surface datum is 58.64 ft (17.87 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.6 ft (0.792 m) above land-surface datum.

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

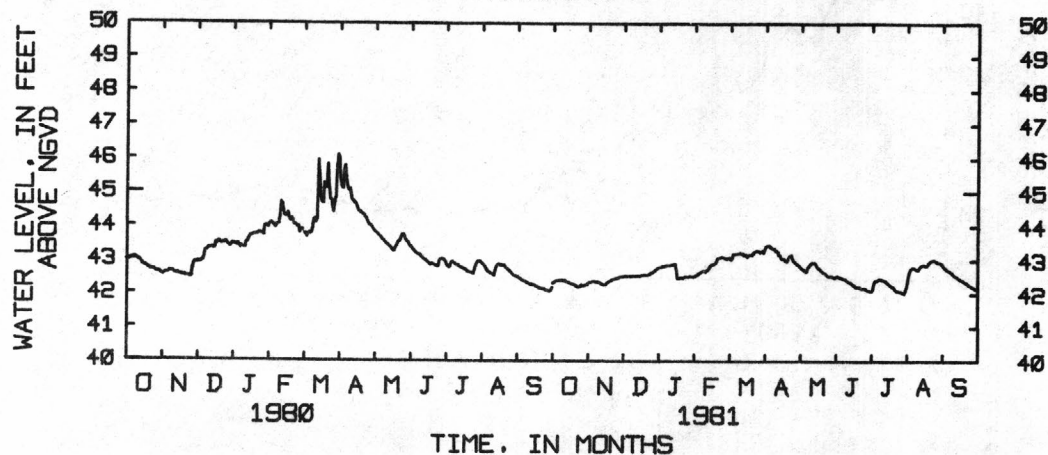
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 46.12 ft (14.06 m) NGVD, Mar. 30, 1980; lowest, 41.17 ft (12.55 m) NGVD, Nov. 25, 26, 27, 28, 1978.

ELEVATION (FEET NGVD). WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.32	42.36	42.54	42.81	42.57	43.09	43.32	42.82	42.52	42.10	42.21	42.88
2	42.36	42.36	42.55	42.81	42.57	43.09	43.41	42.78	42.54	42.09	42.37	42.83
3	42.39	42.37	42.53	42.84	42.61	43.03	43.44	42.75	42.53	42.16	42.60	42.79
4	42.40	42.38	42.53	42.83	42.64	43.08	43.44	42.73	42.50	42.33	42.72	42.76
5	42.41	42.38	42.54	42.83	42.65	43.19	43.45	42.71	42.49	42.41	42.77	42.73
6	42.41	42.37	42.54	42.86	42.68	43.19	43.39	42.68	42.49	42.43	42.80	42.71
7	42.41	42.37	42.54	42.87	42.70	43.20	43.37	42.67	42.46	42.43	42.80	42.69
8	42.42	42.37	42.55	42.86	42.70	43.20	43.36	42.78	42.46	42.45	42.78	42.67
9	42.41	42.35	42.55	42.87	42.67	43.22	43.35	42.84	42.44	42.46	42.75	42.64
10	42.40	42.34	42.55	42.87	42.71	43.22	43.30	42.88	42.42	42.46	42.74	42.61
11	42.39	42.31	42.55	42.88	42.73	43.23	43.28	42.92	42.39	42.43	42.74	42.57
12	42.37	42.29	42.55	42.88	42.78	43.20	43.25	42.94	42.37	42.42	42.80	42.55
13	42.35	42.28	42.56	42.90	42.84	43.22	43.18	42.93	42.35	42.42	42.84	42.53
14	42.34	42.28	42.55	42.90	42.88	43.16	43.14	42.94	42.33	42.40	42.87	42.50
15	42.32	42.29	42.56	42.72	42.89	43.17	43.07	42.90	42.31	42.36	42.89	42.47
16	42.31	42.32	42.57	42.48	42.91	43.18	43.05	42.82	42.28	42.33	42.89	42.45
17	42.30	42.36	42.57	42.47	42.92	43.12	43.05	42.77	42.25	42.30	42.86	42.43
18	42.29	42.39	42.58	42.49	42.95	43.16	43.03	42.75	42.22	42.26	42.86	42.42
19	42.27	42.40	42.58	42.49	43.04	43.18	42.99	42.72	42.21	42.24	42.89	42.39
20	42.25	42.42	42.57	42.49	43.08	43.18	42.97	42.67	42.22	42.22	42.94	42.37
21	42.22	42.44	42.57	42.49	43.09	43.17	43.04	42.65	42.20	42.19	42.98	42.35
22	42.21	42.45	42.59	42.51	43.10	43.22	43.11	42.63	42.19	42.15	43.01	42.33
23	42.21	42.46	42.60	42.52	43.12	43.27	43.15	42.61	42.17	42.11	43.02	42.30
24	42.23	42.48	42.64	42.52	43.10	43.28	43.15	42.58	42.16	42.09	43.03	42.27
25	42.27	42.48	42.64	42.51	43.08	43.29	43.05	42.55	42.18	42.08	43.03	42.25
26	42.25	42.49	42.67	42.53	43.08	43.28	42.98	42.53	42.17	42.08	43.00	42.23
27	42.25	42.52	42.69	42.53	43.05	43.29	42.95	42.54	42.14	42.07	42.99	42.21
28	42.26	42.52	42.72	42.52	43.07	43.24	42.91	42.54	42.12	42.05	42.95	42.19
29	42.27	42.53	42.75	42.52	---	43.27	42.88	42.51	42.11	42.04	42.96	42.16
30	42.29	42.53	42.78	42.53	---	43.29	42.86	42.51	42.10	42.02	42.95	42.15
31	42.34	---	42.80	42.53	---	43.24	---	42.49	---	42.10	42.92	---
MEAN	42.32	42.40	42.60	42.67	42.86	43.20	43.16	42.71	42.31	42.25	42.84	42.48
MAX	42.42	42.53	42.80	42.90	43.12	43.29	43.45	42.94	42.54	42.46	43.03	42.88
MIN	42.21	42.28	42.53	42.47	42.57	43.03	42.86	42.49	42.10	42.02	42.21	42.15

WTR YR 1981 MEAN 42.65 MAX 43.45 MIN 42.02

## HYDROGRAPH





## GROUND WATER LEVELS

281

## BERKELEY COUNTY

332630079592500. Local number, BRK-65, Cooper River Rediversion No. 4.

LOCATION.--Lat 33°26'30", long 79°59'25", Hydrologic Unit 03050112, at Intersection of state roads 6 and 35 west of U.S. Hwy. 52.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene-Eocene limestone, Black Mingo Formation.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 130 ft (39.62 m), cased to 102 ft (31.09 m), open hole to 130 ft (39.62 m).

DATUM.--Land-surface datum is 58.57 ft (17.85 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.6 ft (0.792 m) National Geodetic Vertical Datum of 1929 above land-surface datum.

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

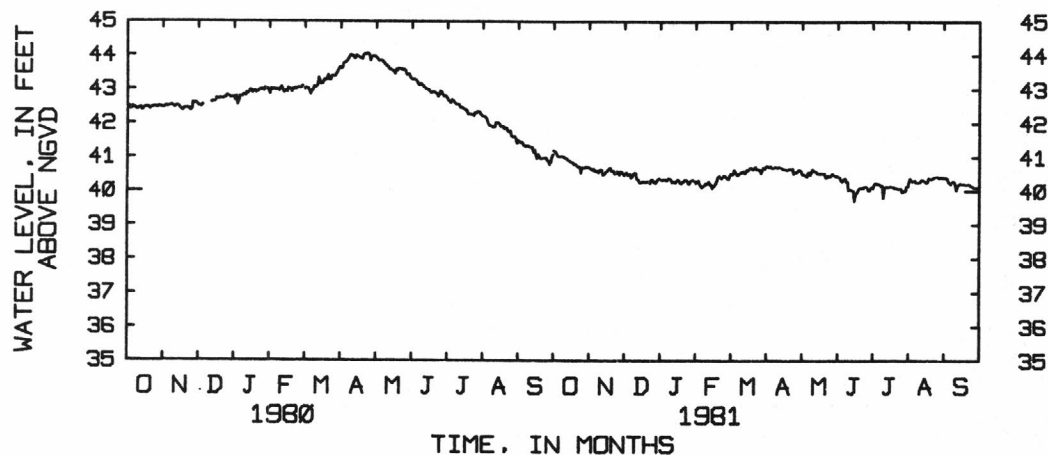
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 44.15 ft (13.47 m) NGVD, Apr. 14, 1977; lowest, 39.70 ft (12.10 m) NGVD, June 16, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41.21	40.67	40.53	40.33	40.29	40.46	40.73	40.61	40.45	40.13	40.16	40.42
2	41.17	40.65	40.56	40.34	40.32	40.53	40.76	40.51	40.43	40.09	40.28	40.41
3	41.12	40.62	40.48	40.36	40.22	40.51	40.74	40.50	40.41	40.20	40.39	40.41
4	41.04	40.66	40.48	40.36	40.16	40.53	40.72	40.49	40.35	40.25	40.32	40.39
5	41.03	40.60	40.51	40.33	40.11	40.63	40.75	40.45	40.29	40.23	40.30	40.29
6	41.03	40.57	40.40	40.33	40.15	40.57	40.70	40.44	40.32	40.22	40.32	40.25
7	41.03	40.61	40.45	40.39	40.17	40.50	40.69	40.56	40.38	40.23	40.33	40.21
8	41.04	40.56	40.52	40.38	40.24	40.48	40.71	40.57	40.39	40.20	40.27	40.27
9	41.01	40.60	40.55	40.37	40.21	40.53	40.73	40.49	40.29	40.16	40.26	40.30
10	40.98	40.64	40.54	40.27	40.25	40.55	40.72	40.58	40.29	40.18	40.25	40.27
11	40.98	40.62	40.37	40.30	40.29	40.58	40.70	40.66	40.03	39.80	40.28	40.18
12	40.95	40.48	40.33	40.27	40.19	40.57	40.73	40.60	40.05	40.12	40.30	40.02
13	40.90	40.51	40.26	40.25	40.20	40.61	40.72	40.60	40.04	40.14	40.35	40.18
14	40.89	40.56	40.25	40.31	40.09	40.55	40.70	40.58	40.02	40.15	40.35	40.21
15	40.87	40.59	40.28	40.35	40.15	40.58	40.68	40.54	40.00	40.13	40.31	40.24
16	40.85	40.62	40.29	40.32	40.18	40.65	40.66	40.54	39.70	40.14	40.29	40.22
17	40.83	40.66	40.28	40.25	40.24	40.63	40.66	40.52	39.93	40.16	40.25	40.21
18	40.78	40.69	40.28	40.23	40.32	40.69	40.65	40.55	39.96	40.14	40.29	40.22
19	40.81	40.61	40.28	40.29	40.43	40.71	40.64	40.54	40.01	40.13	40.40	40.21
20	40.77	40.60	40.30	40.29	40.46	40.68	40.65	40.53	40.09	40.13	40.39	40.20
21	40.72	40.60	40.29	40.34	40.42	40.65	40.67	40.54	40.12	40.10	40.37	40.20
22	40.72	40.52	40.24	40.33	40.39	40.69	40.67	40.43	40.09	40.11	40.38	40.21
23	40.70	40.52	40.34	40.33	40.43	40.73	40.65	40.41	40.12	40.08	40.41	40.20
24	40.54	40.59	40.35	40.24	40.47	40.66	40.68	40.48	40.11	40.07	40.43	40.16
25	40.71	40.57	40.28	40.23	40.46	40.66	40.52	40.45	40.15	40.08	40.44	40.15
26	40.69	40.49	40.31	40.30	40.43	40.64	40.57	40.45	40.15	40.08	40.44	40.12
27	40.69	40.58	40.24	40.33	40.38	40.65	40.57	40.49	40.11	39.98	40.44	40.10
28	40.72	40.57	40.31	40.34	40.37	40.55	40.59	40.53	40.04	39.99	40.41	40.11
29	40.69	40.51	40.36	40.31	---	40.63	40.63	40.49	40.02	40.03	40.42	40.10
30	40.72	40.47	40.39	40.31	---	40.71	40.64	40.46	40.10	40.00	40.43	40.11
31	40.71	---	40.35	40.24	---	40.68	---	40.45	---	40.15	40.41	---
MEAN	40.87	40.58	40.37	40.31	40.29	40.61	40.67	40.52	40.15	40.12	40.34	40.22
MAX	41.21	40.69	40.56	40.39	40.47	40.73	40.76	40.66	40.45	40.25	40.44	40.42
MIN	40.54	40.47	40.24	40.23	40.09	40.46	40.52	40.41	39.70	39.80	40.16	40.02

WTR YR 1981 MEAN 40.42 MAX 41.21 MIN 39.70

## HYDROGRAPH



## BERKELEY COUNTY

332435079580500. Local number, PRK-66. Cooper River Rediversion No. 5.

LOCATION.--Lat 33°24'35", long 79°58'05", Hydrologic Unit 03050112, in fork of side roads connecting State Hwys 45 and 18.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene Sands.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 42 ft (12.8 m), cased to 32 ft (9.75 m), screened to 42 ft (12.8 m).

DATUM.--Land-surface datum is 83.94 ft (25.58 m) National Geodetic Vertical Datum of 1929. Measuring point, 2.84 ft (0.866 m) above land-surface datum.

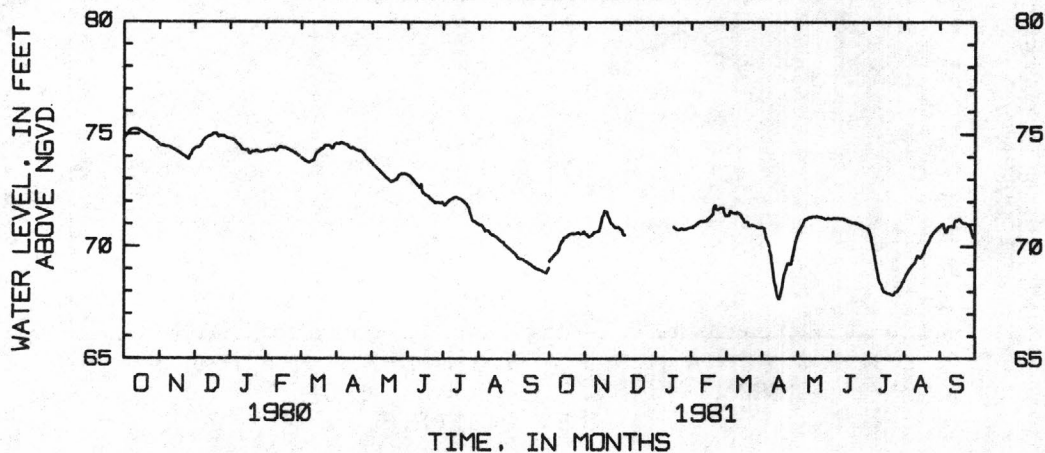
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 76.20 ft (23.22 m) NGVD, Dec. 1, 1978; lowest, 67.66 ft (20.62 m) NGVD, April 16, 1981.

ELEVATION (FEET NGVD). WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69.37	70.56	70.75	---	70.87	71.37	70.85	70.36	71.25	70.78	68.46	70.89
2	69.46	70.50	70.71	---	70.93	71.39	70.83	70.53	71.26	70.71	68.59	70.94
3	69.53	70.44	70.53	---	70.96	71.38	70.80	70.68	71.25	70.59	68.70	70.99
4	69.58	70.44	70.50	---	71.00	71.39	70.61	70.78	71.25	70.41	68.80	71.00
5	69.63	70.47	---	---	71.03	71.57	70.37	70.87	71.25	70.14	68.89	70.79
6	69.70	70.50	---	---	71.09	71.54	70.24	70.95	71.25	69.87	68.98	70.63
7	69.74	70.56	---	---	71.12	71.49	70.13	71.09	71.24	69.61	69.06	70.63
8	69.79	70.63	---	---	71.13	71.49	69.79	71.21	71.25	69.32	69.12	70.81
9	69.92	70.64	---	---	71.14	71.47	69.64	71.22	71.24	69.03	69.18	70.89
10	70.12	70.66	---	---	71.13	71.46	69.27	71.24	71.22	68.78	69.24	70.89
11	70.22	70.67	---	---	71.15	71.52	68.85	71.29	71.20	68.50	69.31	70.92
12	70.28	70.70	---	---	71.15	71.49	68.44	71.30	71.16	68.37	69.46	70.88
13	70.38	70.82	---	---	71.16	71.45	68.25	71.31	71.15	68.29	69.58	70.85
14	70.42	71.04	---	---	71.24	71.39	67.95	71.32	71.12	68.13	69.57	71.08
15	70.44	71.31	---	70.86	71.29	71.28	67.75	71.34	71.10	68.01	69.49	71.16
16	70.49	71.40	---	70.83	71.34	71.23	67.66	71.33	71.08	67.97	69.53	71.12
17	70.53	71.59	---	70.80	71.38	71.11	67.79	71.32	71.06	67.95	69.61	71.17
18	70.55	71.54	---	70.75	71.44	71.07	68.02	71.35	71.04	67.92	69.70	71.21
19	70.58	71.52	---	70.73	71.77	71.10	68.26	71.33	71.06	67.90	69.84	71.16
20	70.59	71.36	---	70.73	71.83	71.06	68.64	71.32	71.06	67.89	69.98	71.08
21	70.57	71.25	---	70.77	71.66	70.93	68.83	71.31	71.03	67.87	70.07	71.03
22	70.58	71.10	---	70.81	71.65	70.91	69.00	71.29	71.01	67.84	70.17	71.02
23	70.58	71.00	---	70.78	71.66	70.96	69.17	71.27	70.98	67.82	70.26	71.02
24	70.61	70.94	---	70.76	71.71	70.94	69.26	71.25	70.95	67.86	70.38	71.01
25	70.63	70.88	---	70.78	71.72	70.93	69.19	71.23	70.93	67.98	70.48	70.93
26	70.59	70.83	---	70.78	71.70	70.90	69.22	71.21	70.91	67.98	70.56	70.92
27	70.56	70.84	---	70.80	71.72	70.89	69.40	71.24	70.88	68.02	70.63	70.86
28	70.58	70.84	---	70.83	71.49	70.85	69.64	71.26	70.84	68.10	70.68	70.73
29	70.59	70.85	---	70.84	---	70.82	69.90	71.24	70.81	68.18	70.74	70.56
30	70.67	70.79	---	70.85	---	70.83	70.16	71.24	70.79	68.24	70.80	70.38
31	70.57	---	---	70.85	---	70.81	---	71.23	---	68.37	70.85	---
MEAN	70.25	70.89			71.34	71.19	69.26	71.16	71.09	68.66	69.70	70.92
MAX	70.67	71.59			71.83	71.57	70.85	71.35	71.26	70.78	70.85	71.21
MIN	69.37	70.44			70.87	70.81	67.66	70.36	70.79	67.82	68.46	70.38

## HYDROGRAPH



## GROUND WATER LEVELS

283

## BERKELEY COUNTY

332435079580501. Local number, BRK-67, Cooper River Rediversion No. 6.

LOCATION.--Lat 33°24'35", long 79°58'05", Hydrologic Unit 03050112, in fork of side roads connecting State Hwys 45 and 18.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene -Eocene Limestone, Black Mingo Formation.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 173 ft (52.73 m) cased to 140 ft (42.67 m), open hole to 173 ft (52.73 m).

DATUM.--Land-surface datum is 84.06 ft (25.62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.74 ft (1.14 m) above land-surface datum.

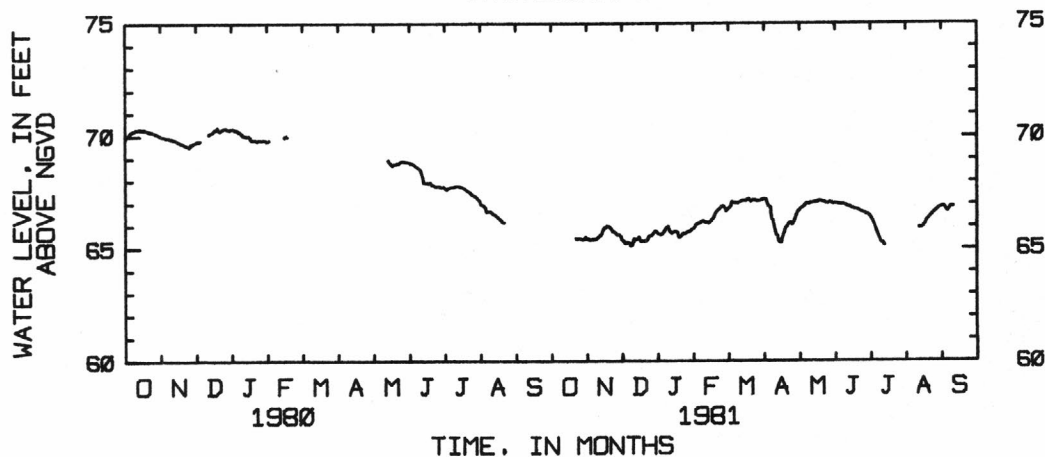
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 71.02 ft (21.64 m) NGVD, Jan. 26, 1978; lowest, 48.10 ft (14.66 m) NGVD, Sept. 18, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	65.41	65.32	65.62	65.96	66.70	67.19	66.66	66.99	66.42	---	66.84
2	---	65.38	65.28	65.59	66.06	66.77	67.18	66.72	66.98	66.34	---	66.86
3	---	65.36	65.21	65.61	66.09	66.80	67.17	66.77	66.97	66.27	---	66.85
4	---	65.38	65.23	65.64	66.12	66.87	67.03	66.81	66.96	66.19	---	66.80
5	---	65.41	65.24	65.70	66.14	67.07	66.89	66.84	66.95	66.05	---	66.69
6	---	65.39	65.23	65.78	66.16	67.04	66.83	66.87	66.95	65.92	---	66.63
7	---	65.40	65.18	65.90	66.20	67.02	66.77	66.95	66.94	65.79	---	66.68
8	---	65.41	65.12	65.94	66.23	67.03	66.31	67.00	66.95	65.65	---	66.77
9	---	65.45	65.15	65.98	66.18	67.01	66.23	66.98	66.93	65.51	---	66.85
10	---	65.49	65.30	65.80	66.13	66.99	66.03	66.98	66.91	65.38	---	66.85
11	---	65.54	65.43	65.71	66.16	67.06	65.79	67.03	66.89	65.25	---	66.84
12	---	65.59	65.38	65.66	66.11	67.07	65.58	67.02	66.85	65.23	65.90	---
13	---	65.66	65.38	65.67	66.11	67.11	65.51	67.02	66.83	65.21	65.94	---
14	---	65.80	65.43	65.72	66.18	67.12	65.33	67.04	66.81	65.12	65.92	---
15	---	65.91	65.49	65.75	66.24	67.11	65.24	67.06	66.79	---	65.90	---
16	---	65.92	65.34	65.72	66.31	67.13	65.23	67.05	66.76	---	65.96	---
17	---	65.98	65.30	65.69	66.36	67.11	65.39	67.04	66.74	---	66.03	---
18	---	65.98	65.34	65.50	66.47	67.14	65.55	67.10	66.72	---	66.08	---
19	---	65.98	65.32	65.47	66.59	67.19	65.69	67.11	66.73	---	66.20	---
20	---	65.92	65.31	65.51	66.65	67.16	65.90	67.09	66.72	---	66.29	---
21	65.44	65.87	65.33	65.59	66.70	67.08	65.96	67.08	66.69	---	66.34	---
22	65.43	65.78	65.36	65.64	66.74	67.10	66.04	67.06	66.66	---	66.39	---
23	65.41	65.72	65.47	65.63	66.80	67.15	66.12	67.04	66.63	---	66.44	---
24	65.43	65.68	65.56	65.67	66.86	67.14	66.14	67.02	66.60	---	66.52	---
25	65.44	65.64	65.57	65.69	66.89	67.13	66.06	67.00	66.58	---	66.57	---
26	65.41	65.58	65.59	65.73	66.85	67.11	66.06	66.98	66.56	---	66.62	---
27	65.38	65.60	65.65	65.75	66.77	67.11	66.18	67.02	66.54	---	66.67	---
28	65.39	65.59	65.74	65.77	66.65	67.10	66.31	67.04	66.50	---	66.70	---
29	65.40	65.53	65.77	65.81	---	67.10	66.45	67.01	66.48	---	66.74	---
30	65.50	65.41	65.73	65.86	---	67.14	66.58	66.99	66.46	---	66.79	---
31	65.41	---	65.65	65.89	---	67.14	---	66.97	---	---	66.81	---
MEAN		65.63	65.40	65.71	66.38	67.06	66.16	66.98	66.77			
MAX		65.98	65.77	65.98	66.89	67.19	67.19	67.11	66.99			
MIN		65.36	65.12	65.47	65.96	66.70	65.23	66.66	66.46			

## HYDROGRAPH



## GROUND WATER LEVELS

## BERKELEY COUNTY

332525079562000. Local number, BRK-68, Cooper River Rediversion No. 7.

LOCATION.--Lat 33°25'25", long 79°56'20", Hydrologic Unit 03050112, northwest of St. Stephens to State Hwy. 293, north across State Hwy. 64, dirt road to 0.5 mi (0.8 Km) south of Crawl Creek.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene sands.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 35 ft (10.67 m), cased to 25 ft (7.62 m), screened to 35 ft (10.67 m).

DATUM.--Land-surface datum is 49.68 ft (15.14 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.5 ft (0.762 m) above land-surface datum.

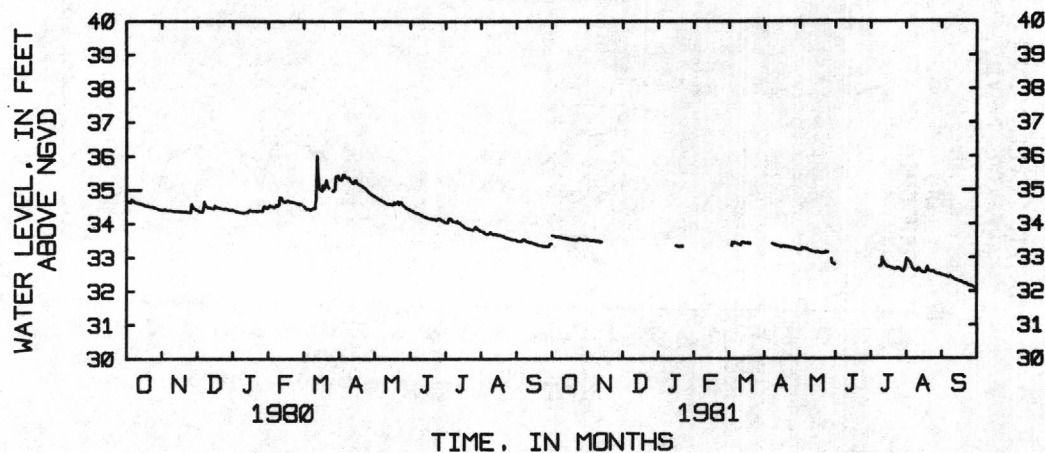
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.06 ft (10.99 m) NGVD, Oct. 30, 1975; lowest, 32.09 ft (9.78 m) NGVD, Sept. 30, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.67	33.53	---	---	---	---	---	33.23	32.79	---	32.75	32.48
2	33.66	33.51	---	---	---	---	---	33.23	---	---	32.98	32.47
3	33.64	33.50	---	---	---	---	---	33.22	---	---	32.95	32.46
4	33.62	33.51	33.43	---	---	33.35	---	33.29	---	---	32.89	32.45
5	33.62	33.51	33.41	---	---	33.45	---	33.28	---	---	32.87	32.44
6	33.63	33.50	---	---	---	33.41	---	33.27	---	---	32.79	32.43
7	33.62	33.49	---	---	---	33.45	---	33.26	---	---	32.70	32.41
8	33.61	33.49	---	---	---	33.42	33.40	33.25	---	---	32.65	32.41
9	33.60	33.49	---	---	---	33.41	33.39	33.23	---	32.74	32.63	32.45
10	33.58	33.48	---	---	---	33.39	33.38	33.21	---	32.74	32.61	32.41
11	33.58	33.47	---	---	---	33.38	33.37	33.20	---	32.75	32.59	32.38
12	33.58	33.47	---	---	---	33.36	33.36	33.18	---	33.01	32.68	32.36
13	33.57	---	---	---	---	33.44	33.34	33.17	---	32.90	32.68	32.34
14	33.57	---	---	---	---	33.46	33.33	33.17	---	32.83	32.61	32.33
15	33.55	---	---	33.35	---	33.44	33.32	33.16	---	32.77	32.58	32.31
16	33.55	---	---	33.34	---	33.43	33.31	33.15	---	32.73	32.56	32.31
17	33.55	---	---	33.33	---	33.43	33.33	33.18	---	32.72	32.56	32.29
18	33.54	---	---	33.33	---	33.42	33.34	33.16	---	32.71	32.56	32.28
19	33.53	---	---	33.32	---	33.41	33.32	33.14	---	32.70	32.60	32.26
20	33.53	---	---	33.33	---	33.41	33.32	33.13	---	32.69	32.73	32.24
21	33.52	---	---	33.33	---	---	33.31	33.13	---	32.68	32.63	32.23
22	33.54	---	---	---	---	---	33.30	33.13	---	32.66	32.59	32.22
23	33.54	---	---	---	---	---	33.30	33.13	---	32.65	32.58	32.20
24	33.57	---	---	---	---	---	33.29	33.17	---	32.66	32.59	32.18
25	33.56	---	---	---	---	---	33.28	33.17	---	32.69	32.60	32.16
26	33.54	---	---	---	---	---	33.28	33.16	---	32.68	32.56	32.15
27	33.53	---	---	---	---	---	33.27	---	---	32.66	32.54	32.14
28	33.53	---	---	---	---	---	33.26	---	---	32.64	32.52	32.13
29	33.53	---	---	---	---	---	33.24	32.96	---	32.61	32.52	32.11
30	33.54	---	---	---	---	---	33.24	32.84	---	32.58	32.51	32.09
31	33.54	---	---	---	---	---	---	32.81	---	32.64	32.50	---
MEAN	33.57										32.65	32.30
MAX	33.67										32.98	32.48
MIN	33.52										32.50	32.09

## HYDROGRAPH



## BERKELEY COUNTY

332525079562001. Local number, BRK-69, Cooper River Rediversion No. 8.

LOCATION.--Lat 33°25'25", long 79°56'20", Hydrologic Unit 03050112, northwest of St. Stephens to State Hwy 293, north across State Hwy 64, dirt road to 0.5 mi (0.8 Km) south of Crawl Creek.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene-Eocene Limestone, Black Mingo Formation.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 113 ft (34.44 m), cased to 73 ft (22.25 m), open hole to 113 ft (34.44 m).

DATUM.--Land-surface datum is 49.59 ft (15.12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.8 ft (1.16 m) above land-surface datum.

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

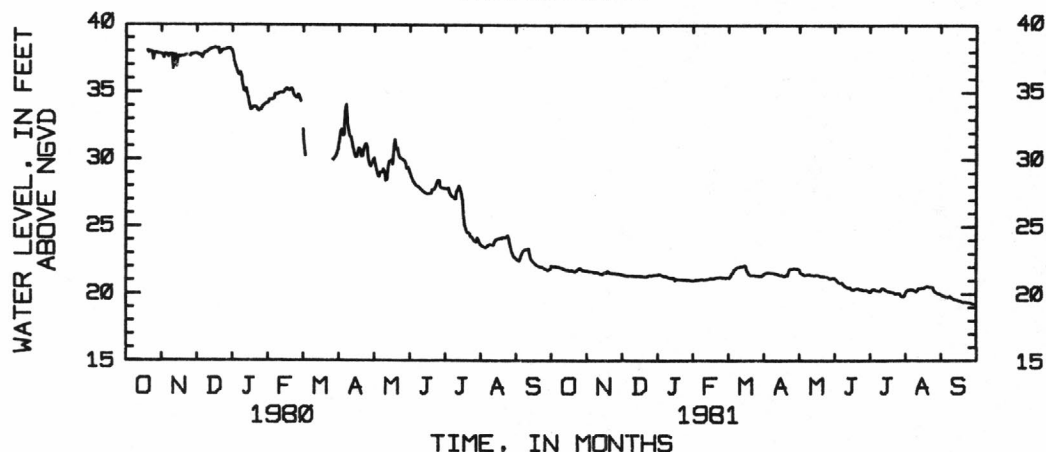
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 41.44 ft (12.63 m) NGVD, April 6, 1977; lowest, 19.19 ft (5.85 m) NGVD, Sept. 30, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.01	21.63	21.37	21.41	20.95	21.15	21.36	21.81	21.11	20.13	19.86	19.92
2	22.00	21.61	21.35	21.41	21.00	21.16	21.45	21.75	21.06	20.08	20.07	19.88
3	22.00	21.60	21.32	21.34	20.99	21.13	21.50	21.52	20.97	20.15	20.21	19.83
4	21.97	21.61	21.31	21.30	21.01	21.27	21.52	21.45	20.88	20.27	20.26	19.79
5	21.95	21.59	21.32	21.25	21.00	21.46	21.54	21.42	20.79	20.31	20.28	19.76
6	21.95	21.56	21.31	21.25	21.02	21.53	21.53	21.36	20.74	20.29	20.32	19.74
7	21.94	21.55	21.31	21.25	21.04	21.71	21.52	21.34	20.75	20.21	20.28	19.71
8	21.91	21.54	21.30	21.21	21.05	21.81	21.50	21.37	20.76	20.21	20.31	19.71
9	21.88	21.52	21.30	21.17	21.00	21.88	21.50	21.38	20.65	20.18	20.21	19.79
10	21.84	21.49	21.31	21.14	21.00	21.92	21.48	21.41	20.54	20.17	20.18	19.68
11	21.81	21.46	21.28	21.13	21.05	21.95	21.46	21.41	20.48	20.16	20.15	19.62
12	21.77	21.44	21.28	21.11	21.05	21.97	21.45	21.35	20.42	20.30	20.23	19.58
13	21.74	21.43	21.29	21.10	21.07	22.00	21.42	21.34	20.39	20.37	20.37	19.54
14	21.74	21.43	21.28	21.10	21.09	22.00	21.38	21.33	20.41	20.34	20.38	19.51
15	21.71	21.52	21.28	20.93	21.10	22.01	21.34	21.30	20.40	20.27	20.38	19.49
16	21.68	21.54	21.29	21.06	21.09	22.08	21.32	21.34	20.29	20.19	20.41	19.48
17	21.67	21.51	21.27	21.03	21.09	22.02	21.37	21.37	20.25	20.16	20.42	19.45
18	21.72	21.65	21.25	21.02	21.09	21.70	21.31	21.36	20.22	20.12	20.45	19.42
19	21.67	21.54	21.24	21.02	21.15	21.52	21.27	21.30	20.32	20.11	20.50	19.39
20	21.63	21.50	21.22	21.01	21.18	21.40	21.27	21.23	20.33	20.09	20.54	19.35
21	21.58	21.50	21.22	21.02	21.17	21.32	21.36	21.23	20.36	20.07	20.52	19.34
22	21.66	21.47	21.25	21.01	21.17	21.32	21.31	21.24	20.36	20.05	20.50	19.36
23	21.74	21.47	21.31	21.01	21.19	21.34	21.61	21.22	20.29	20.00	20.48	19.36
24	21.80	21.48	21.34	21.00	21.18	21.32	21.81	21.23	20.27	19.97	20.49	19.33
25	21.86	21.45	21.32	20.97	21.16	21.31	21.82	21.21	20.26	19.99	20.46	19.32
26	21.81	21.43	21.32	20.97	21.16	21.30	21.82	21.17	20.23	19.99	20.27	19.30
27	21.72	21.46	21.34	20.97	21.14	21.30	21.84	21.13	20.20	20.01	20.14	19.27
28	21.69	21.44	21.36	20.95	21.14	21.29	21.84	21.04	20.23	19.95	20.07	19.24
29	21.66	21.41	21.36	20.93	---	21.28	21.83	21.06	20.22	19.80	20.03	19.22
30	21.66	21.38	21.36	20.93	---	21.31	21.83	21.10	20.18	19.75	20.01	19.19
31	21.66	---	21.36	20.92	---	21.28	---	21.11	---	19.78	19.97	---
MEAN	21.79	21.51	21.30	21.09	21.08	21.55	21.52	21.32	20.48	20.11	20.28	19.52
MAX	22.01	21.65	21.37	21.41	21.19	22.08	21.84	21.81	21.11	20.37	20.54	19.92
MIN	21.58	21.38	21.22	20.92	20.95	21.13	21.27	21.04	20.18	19.75	19.86	19.19

WTR YR 1981 MEAN 20.96 MAX 22.08 MIN 19.19

## HYDROGRAPH





## GROUND WATER LEVELS

## BERKELEY COUNTY

332425079535000. Local number, BRK-70, Cooper River Rediversion No. 11.

LOCATION.--Lat 33°24'25", long 79°53'50", Hydrologic Unit 03050112, 1.3 mi (2.1 Km) east of St. Stephens on State Hwy 45, left on dirt road under power lines, 1000 ft (305 m) north of highway.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene Sands.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 35 ft (10.67 m), cased to 20 ft (6.10 m) screened to 35 ft (10.67 m).

DATUM.--Land-surface datum is 77.18 ft (23.52 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.79 ft (0.850 m) above land-surface datum.

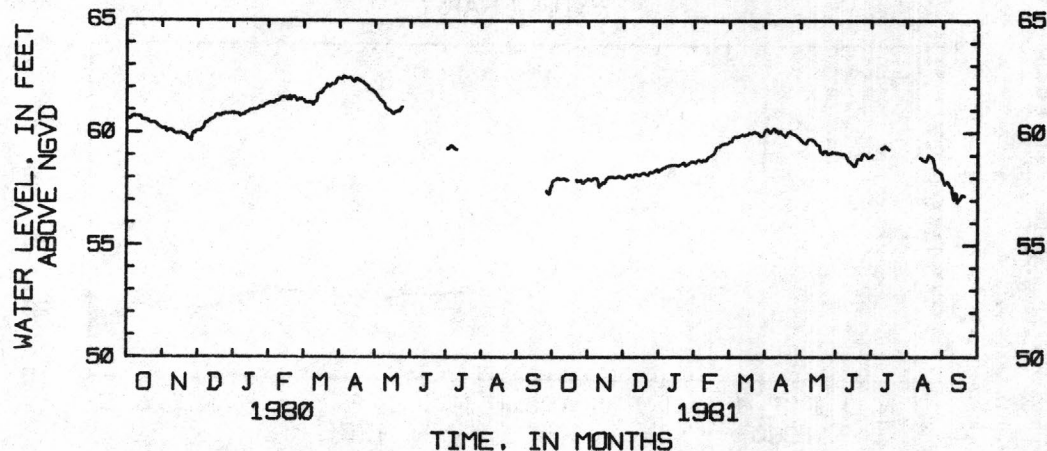
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 62.49 ft (19.06 m) NGVD, April 4, 1980; lowest, 57.03 ft (17.38 m) NGVD, Sept. 16, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57.79	57.90	57.96	58.33	58.64	59.54	60.01	59.73	59.10	58.91	---	57.95
2	57.88	57.92	57.96	58.35	58.73	59.61	60.12	59.66	59.05	58.92	---	57.83
3	57.91	57.86	58.00	58.39	58.77	59.62	60.15	59.62	59.10	59.00	---	57.68
4	57.92	57.90	58.10	58.44	58.79	59.62	60.12	59.55	59.05	---	---	57.75
5	57.98	57.96	58.12	58.41	58.73	59.74	60.02	59.52	59.06	---	---	57.81
6	57.96	57.97	58.09	58.46	58.71	59.82	59.98	59.49	59.02	---	---	57.77
7	57.91	57.96	58.11	58.51	58.77	59.81	60.05	59.52	59.00	---	---	57.63
8	57.90	57.94	58.02	58.50	58.78	59.80	60.12	59.65	59.04	---	---	57.56
9	57.93	57.82	58.03	58.54	58.74	59.81	60.17	59.69	59.01	---	---	57.53
10	57.95	57.56	58.12	58.54	58.76	59.82	60.16	59.69	58.97	59.29	---	57.20
11	57.94	57.68	58.15	58.56	58.86	59.86	60.01	59.70	58.86	59.25	---	56.99
12	57.91	57.70	58.15	58.56	58.92	59.89	60.07	59.67	58.72	59.33	58.84	57.32
13	57.88	57.78	58.12	58.57	58.95	59.91	59.95	59.63	58.70	59.38	58.87	57.27
14	57.87	57.73	58.08	58.56	58.97	59.88	60.05	59.59	58.68	59.39	58.84	56.86
15	---	57.80	58.10	58.56	59.01	59.86	60.06	59.53	58.60	59.33	58.75	56.97
16	---	57.91	58.17	58.53	59.05	59.91	59.92	59.42	58.55	59.27	58.72	57.03
17	---	57.96	58.19	58.51	59.10	59.90	59.90	59.43	58.47	59.23	58.71	57.12
18	---	58.02	58.19	58.56	59.21	59.93	59.86	59.39	58.52	---	58.70	57.21
19	---	58.01	58.18	58.58	59.35	59.99	59.79	59.14	58.65	---	58.81	57.20
20	---	58.01	58.14	58.61	59.38	59.96	59.89	59.10	58.81	---	58.99	57.17
21	57.88	58.03	58.11	58.66	59.36	59.94	60.00	59.02	58.83	---	58.94	---
22	57.81	58.03	58.10	58.66	59.41	59.97	60.02	59.15	58.81	---	58.90	---
23	57.80	57.99	58.20	58.51	59.46	60.03	60.05	59.18	58.80	---	58.87	---
24	57.88	57.99	58.25	58.56	59.49	60.03	59.98	59.16	58.97	---	58.83	---
25	57.90	58.01	58.20	58.59	59.49	59.98	59.92	59.05	59.04	---	58.59	---
26	57.78	58.02	58.20	58.62	59.52	59.96	59.92	59.02	59.06	---	58.33	---
27	57.73	58.07	58.25	58.67	59.51	59.94	59.88	59.09	59.01	---	58.30	---
28	57.81	58.04	58.31	58.71	59.50	59.84	59.86	59.06	58.96	---	58.24	---
29	57.85	57.98	58.35	58.71	---	59.83	59.81	59.13	58.87	---	58.22	---
30	57.90	57.99	58.36	58.69	---	59.84	59.77	59.10	58.89	---	58.18	---
31	57.94	---	58.23	58.68	---	59.90	---	59.08	---	---	58.14	---
MEAN		57.92	58.15	58.55	59.07	59.86	59.99	59.38	58.87			
MAX		58.07	58.36	58.71	59.52	60.03	60.17	59.73	59.10			
MIN		57.56	57.96	58.33	58.64	59.54	59.77	59.02	58.47			

## HYDROGRAPH





## BERKELEY COUNTY

332425079535001. Local number, BRK-71, Cooper River Rediversion No. 12.

LOCATION.--Lat 33°24'25", long 79°53'50", Hydrologic Unit 03050112, 1.3 mi (2.1 Km) east of St. Stephens on State Hwy 45, left on dirt road under power lines, and 1000 ft (305 m) north of highway.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene-Eocene Limestone, Black Minto Formation.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 143 ft (43.59 m), cased to 125 ft (38.1 m), open hole to 140 ft (43.59 m).

DATUM.--Land-surface datum is 77.05 ft (23.48 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.36 ft (1.02 m) above land-surface datum.

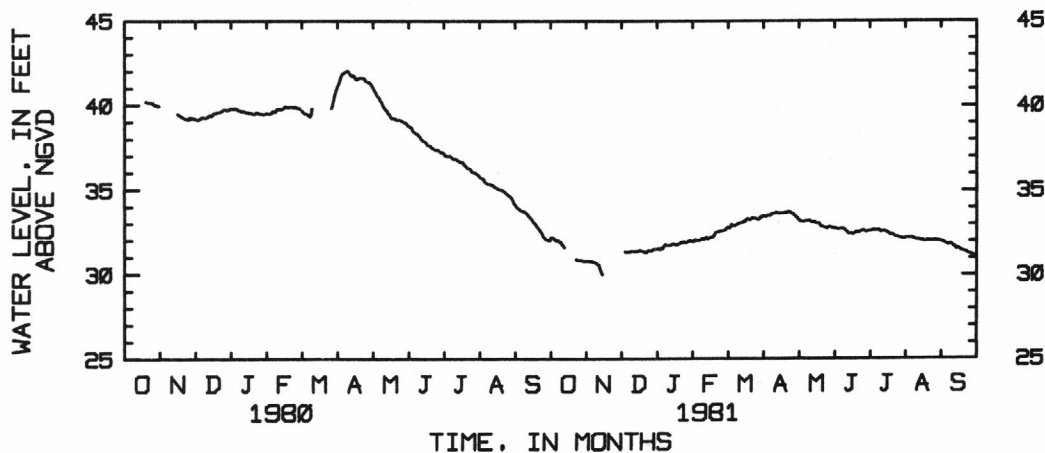
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 44.23 ft (13.48 m) NGVD, Jan. 24, 1977; lowest, 30.01 ft (9.15 m) NGVD, Nov. 14, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.19	30.80	---	31.58	32.03	32.78	33.50	33.31	32.75	32.59	32.14	31.98
2	32.19	30.80	---	31.50	32.09	32.83	33.51	33.24	32.73	32.59	32.20	31.94
3	32.15	30.79	31.37	31.52	32.05	32.75	33.47	33.17	32.70	32.61	32.20	31.92
4	32.09	30.79	31.37	31.62	32.05	32.85	33.48	33.16	32.69	32.65	32.20	31.88
5	32.03	30.76	31.36	31.58	32.05	33.01	33.55	33.17	32.68	32.68	32.18	31.84
6	32.03	30.74	31.37	31.69	32.07	32.93	33.54	33.14	32.72	32.65	32.19	31.80
7	32.02	30.73	31.39	31.80	32.11	32.93	33.53	33.18	32.73	32.64	32.19	31.78
8	31.96	30.70	31.39	31.76	32.17	32.92	33.58	33.21	32.73	32.64	32.15	31.84
9	31.95	30.65	31.42	31.75	32.10	32.95	33.65	33.20	32.71	32.66	32.12	31.85
10	31.82	30.60	31.43	31.75	32.14	33.00	33.65	33.22	32.67	32.61	32.07	31.78
11	31.74	30.58	31.41	31.75	32.21	33.06	33.65	33.22	32.57	32.52	32.06	31.72
12	31.63	30.37	31.40	31.77	32.13	33.08	33.69	33.14	32.52	32.58	32.10	31.66
13	---	30.16	31.42	31.83	32.15	33.11	33.70	33.11	32.43	32.58	32.08	31.64
14	---	30.01	31.41	31.85	32.19	33.12	33.67	33.13	32.42	32.59	32.04	31.53
15	---	---	31.43	31.82	32.21	33.13	33.64	33.15	32.44	32.54	32.03	31.58
16	---	---	31.48	31.78	32.24	33.22	33.66	33.07	32.44	32.52	32.05	31.56
17	---	---	31.43	31.78	32.27	33.20	33.67	33.04	32.41	32.48	32.01	31.51
18	---	---	31.40	31.83	32.33	33.30	33.67	33.05	32.42	32.44	31.97	31.45
19	---	---	31.40	31.86	32.47	33.35	33.67	33.06	32.47	32.37	32.00	31.43
20	---	---	31.34	31.91	32.54	33.29	33.69	32.93	32.53	32.37	32.04	31.41
21	---	---	31.33	31.96	32.54	33.26	33.70	32.85	32.51	32.37	32.01	31.37
22	30.88	---	31.34	31.93	32.56	33.34	33.70	32.83	32.50	32.33	32.03	31.36
23	30.88	---	31.44	31.97	32.59	33.40	33.76	32.81	32.53	32.26	32.03	31.33
24	30.86	---	31.46	31.94	32.60	33.35	33.74	32.78	32.60	32.23	32.03	31.26
25	30.86	---	31.43	31.93	32.62	33.35	33.66	32.76	32.60	32.24	32.03	31.25
26	30.86	---	31.42	31.96	32.65	33.35	33.61	32.74	32.63	32.21	32.01	31.21
27	30.84	---	31.48	32.00	32.65	33.31	33.61	32.82	32.58	32.18	32.04	31.19
28	30.82	---	31.54	32.04	32.69	33.29	33.51	32.85	32.55	32.17	32.00	31.17
29	30.81	---	31.54	31.99	---	33.34	33.45	32.80	32.55	32.17	32.01	31.14
30	30.80	---	31.53	32.01	---	33.45	33.38	32.77	32.57	32.13	32.00	31.13
31	30.80	---	31.55	31.95	---	33.43	---	32.75	---	32.14	31.98	---
MEAN				31.82	32.30	33.15	33.61	33.02	32.58	32.44	32.07	31.55
MAX				32.04	32.69	33.45	33.76	33.31	32.75	32.68	32.20	31.98
MIN				31.50	32.03	32.75	33.38	32.74	32.41	32.13	31.97	31.13

## HYDROGRAPH



## GROUND WATER LEVELS

## BERKELEY COUNTY

332320079550000. Local number, BRK-74, Cooper River Rediversion No. 9.

LOCATION.--Lat 33°23'20", long 79°55'00", Hydrologic Unit 03050112, in intersection of State Hwys. 40 and 351 south of St. Stephens.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene Sands.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 30 ft (9.14 m), cased to 20 ft (6.10 m), screened to 30 ft (9.14 m).

DATUM.--Land-surface datum is 77.42 ft (23.60 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.27 ft (0.997 m) above land-surface datum.

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

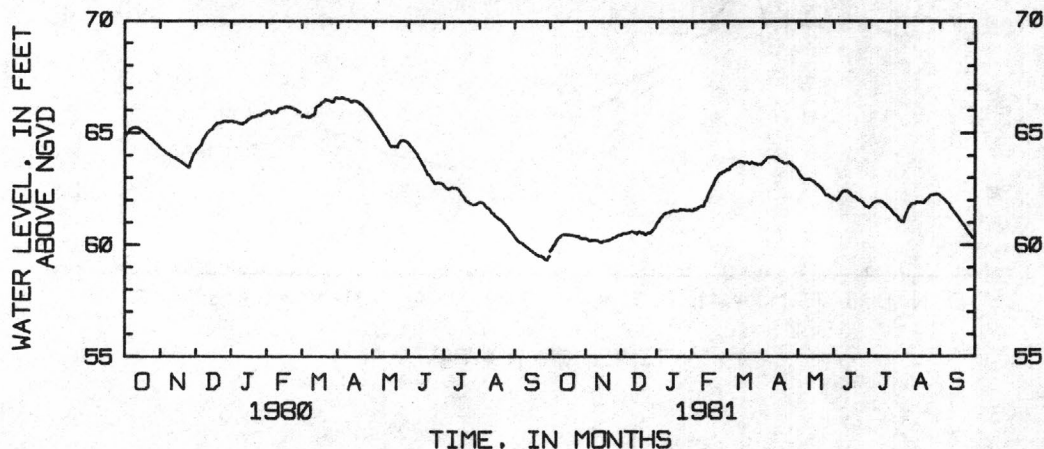
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 66.77 ft (20.35 m) NGVD, Jan. 10, 1977; lowest, 58.54 ft (17.84 m) NGVD, Nov. 29, 1978.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59.72	60.27	60.48	61.00	61.54	63.32	63.62	63.31	62.06	61.67	61.02	62.20
2	59.81	60.23	60.51	61.06	61.63	63.37	63.68	63.22	62.03	61.63	61.20	62.15
3	59.91	60.18	60.51	61.16	61.58	63.36	63.75	63.12	61.99	61.69	61.35	62.09
4	59.99	60.18	60.53	61.23	61.63	63.37	63.80	63.06	61.97	61.76	61.49	62.05
5	60.08	60.22	60.51	61.26	61.65	63.49	63.86	62.99	62.05	61.81	61.61	62.00
6	60.18	60.20	60.54	61.34	61.70	63.51	63.91	62.93	62.11	61.87	61.71	61.94
7	60.25	60.20	60.55	61.39	61.72	63.56	63.90	62.90	62.19	61.90	61.78	61.89
8	60.32	60.20	60.57	61.41	61.76	63.59	63.93	62.90	62.28	61.93	61.83	61.84
9	60.36	60.20	60.59	61.44	61.72	63.62	63.91	62.89	62.35	61.94	61.85	61.79
10	60.41	60.20	60.60	61.46	61.76	63.67	63.93	62.91	62.39	61.94	61.85	61.68
11	60.45	60.17	60.57	61.45	61.92	63.70	63.92	62.91	62.40	61.92	61.85	61.61
12	60.47	60.13	60.56	61.48	61.99	63.71	63.91	62.89	62.39	61.95	61.91	61.54
13	60.48	60.12	60.57	61.51	62.12	63.73	63.88	62.87	62.40	61.92	61.91	61.47
14	60.48	60.12	60.49	61.54	62.26	63.72	63.83	62.83	62.38	61.89	61.89	61.40
15	60.47	60.15	60.57	61.52	62.38	63.70	63.77	62.82	62.33	61.84	61.91	61.33
16	60.44	60.18	60.60	61.53	62.48	63.70	63.73	62.78	62.28	61.78	61.88	61.26
17	60.46	60.16	60.55	61.51	62.58	63.64	63.72	62.71	62.21	61.75	61.86	61.20
18	60.45	60.21	60.53	61.54	62.68	63.68	63.69	62.67	62.15	61.68	61.86	61.13
19	60.44	60.19	60.55	61.53	62.81	63.69	63.65	62.64	62.13	61.64	61.92	61.05
20	60.43	60.20	60.52	61.55	62.92	63.65	63.62	62.59	62.14	61.59	62.00	60.98
21	60.41	60.23	60.46	61.60	63.00	63.60	63.64	62.54	62.09	61.54	62.05	60.91
22	60.40	60.25	60.46	61.56	63.07	63.63	63.64	62.48	62.04	61.46	62.11	60.84
23	60.37	60.28	60.52	61.57	63.14	63.69	63.67	62.42	61.98	61.39	62.15	60.77
24	60.38	60.33	60.56	61.57	63.20	63.64	63.69	62.36	61.97	61.33	62.22	60.68
25	60.38	60.34	60.53	61.55	63.19	63.62	63.61	62.28	61.94	61.33	62.24	60.62
26	60.31	60.35	60.55	61.53	63.25	63.61	63.57	62.19	61.89	61.27	62.23	60.55
27	60.30	60.40	60.61	61.54	63.26	63.61	63.53	62.22	61.83	61.21	62.25	60.48
28	60.28	60.44	60.67	61.56	63.29	63.56	63.47	62.21	61.77	61.11	62.25	60.42
29	60.28	60.46	60.74	61.56	---	63.59	63.43	62.15	61.71	61.06	62.26	60.35
30	60.28	60.44	60.80	61.54	---	63.60	63.37	62.11	61.69	61.00	62.26	60.28
31	60.29	---	60.90	61.53	---	63.57	---	62.08	---	61.01	62.24	---
MEAN	60.30	60.24	60.57	61.45	62.37	63.60	63.72	62.68	62.10	61.61	61.90	61.28
MAX	60.48	60.46	60.90	61.60	63.29	63.73	63.93	63.31	62.40	61.95	62.26	62.20
MIN	59.72	60.12	60.46	61.00	61.54	63.32	63.37	62.08	61.69	61.00	61.02	60.28

WTR YR 1981 MEAN 61.81 MAX 63.93 MIN 59.72

## HYDROGRAPH



## BERKELEY COUNTY

332320079550001. Local number, BRK-75, Cooper River Rediversion No. 10.

LOCATION.--Lat 33°23'20", long 79°55'00", Hydrologic Unit 03050112, in intersection of State Hwys. 40 and 351 south of St. Stephens.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene-Eocene Limestone, Black Mingo Formation.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm, depth 140 ft (42.67 m) cased to 120 ft (36.58 m), open hole to 140 ft (42.67 m).

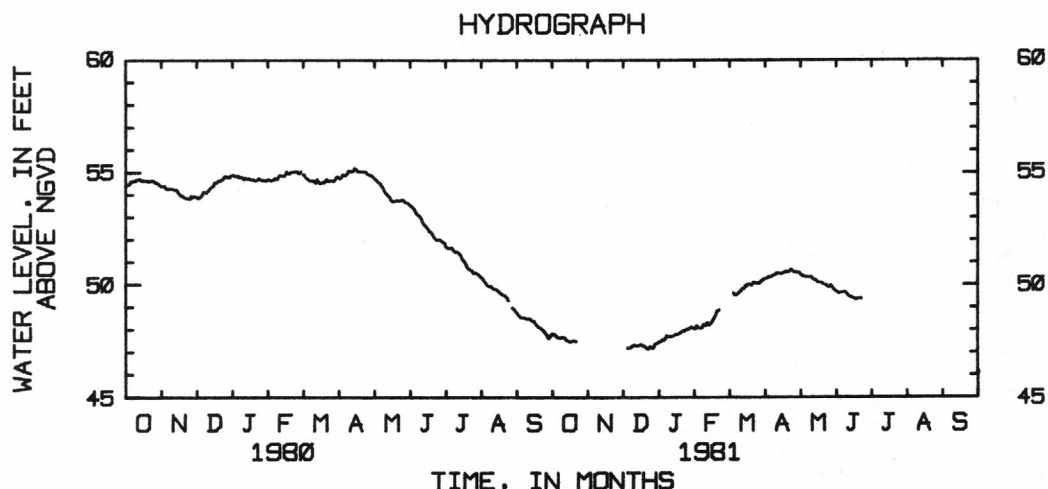
DATUM.--Land-surface datum is 77.31 ft (23.56 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.43 ft (1.05 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 56.42 ft (17.20 m) NGVD, Jan. 28, 1977; lowest, 47.13 ft (14.37 m) NGVD, Dec. 22, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47.81		---	47.48	48.07	---	50.26	50.51	49.69			
2	47.79		---	47.48	48.18	---	50.27	50.44	49.65			
3	47.78		---	47.53	48.09	---	50.28	50.38	49.62			
4	47.72		47.17	47.58	48.08	---	50.30	50.36	49.60			
5	47.67		47.19	47.54	48.06	49.61	50.35	50.35	49.64			
6	47.65		47.20	47.62	48.07	49.56	50.35	50.32	49.64			
7	47.64		47.21	47.74	48.15	49.54	50.34	50.32	49.65			
8	47.65		47.24	47.70	48.24	49.54	50.38	50.34	49.65			
9	47.67		47.28	47.70	48.18	49.58	50.42	50.32	49.66			
10	47.66		47.32	47.70	48.21	49.62	50.43	50.33	49.61			
11	47.66		47.29	47.70	48.32	49.69	50.46	50.34	49.55			
12	47.62		47.28	47.71	48.21	49.71	50.50	50.27	49.48			
13	47.54		47.30	47.74	48.21	49.80	50.50	50.21	49.46			
14	47.50		47.29	47.78	48.28	49.82	50.49	50.19	49.43			
15	47.48		47.31	47.80	48.36	49.85	50.47	50.19	49.40			
16	47.46		47.35	47.81	48.44	49.96	50.47	50.12	49.38			
17	47.46		47.31	47.81	48.51	49.92	50.51	50.08	49.38			
18	47.50		47.26	47.85	48.61	50.01	50.54	50.08	49.32			
19	47.52		47.25	47.88	48.76	50.02	50.55	50.08	49.33			
20	47.50		47.20	47.91	48.85	49.98	50.58	50.05	49.38			
21	47.47		47.14	47.96	48.87	49.96	50.57	50.01	49.38			
22	---		47.13	47.94	---	50.03	50.57	49.98	49.38			
23	---		47.20	48.00	---	50.10	50.61	49.96	49.38			
24	---		47.26	48.02	---	50.05	50.66	49.93	---			
25	---		47.20	48.01	---	50.05	50.60	49.90	---			
26	---		47.16	48.04	---	50.04	50.55	49.87	---			
27	---		47.23	48.08	---	50.07	50.54	49.92	---			
28	---		47.36	48.11	---	50.05	50.54	49.94	---			
29	---		47.39	48.07	---	50.11	50.53	49.87	---			
30	---		47.41	48.07	---	50.21	50.53	49.80	---			
31	---		47.43	48.03	---	50.19	---	49.72	---			
MEAN				47.82			50.47	50.13				
MAX				48.11			50.66	50.51				
MIN				47.48			50.26	49.72				



## BERKELEY COUNTY

332350079511001. Local number, BRK-78, Cooper River Rediversion No. 18.

LOCATION.--Lat 33°23'50", long 79°51'10", Hydrologic Unit 03050112, 4.0 mi (6.4 km) east of St. Stephens on State Road 45 near intersection with State Road 310, and 1000 ft (305 m) from Santee River bank.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene-Eocene Limestone, Black Mingo Formation.

WELL CHARACTERISTICS.--Unused observation well, diameter 6 in (15.38 cm), depth 86 ft (26.21 m) casing to 56 ft (17.07 m) open hole to 86 ft (26.2 m).

DATUM.--Land-surface datum is 30.87 ft (9.42 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.86 ft (0.872 m) above land-surface datum.

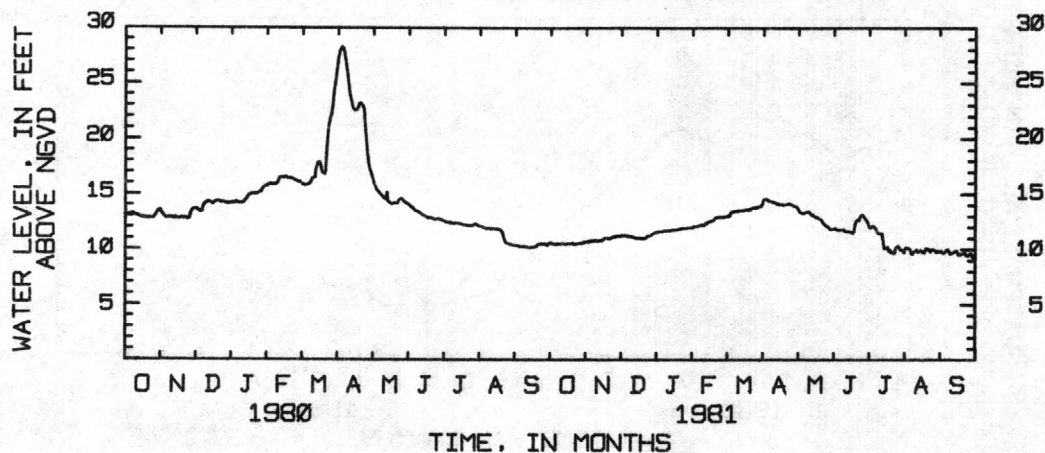
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 27.84 ft (8.49 m) NGVD, April 4, 1980; lowest, 9.16 ft (2.79 m) NGVD, Sept. 29, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.40	10.56	11.07	11.43	11.86	12.81	13.84	13.56	11.65	12.19	9.54	9.61
2	10.39	10.54	11.10	11.42	11.91	12.84	14.22	13.47	11.67	11.85	9.86	9.72
3	10.37	10.54	11.07	11.46	11.90	12.80	14.34	13.26	11.68	11.76	9.99	9.56
4	10.33	10.61	11.08	11.46	11.94	12.83	14.33	13.13	11.62	11.86	9.94	9.49
5	10.32	10.62	11.07	11.44	11.95	13.08	14.30	13.08	11.55	11.93	9.92	9.56
6	10.31	10.60	11.04	11.49	11.98	13.20	14.23	13.04	11.55	11.89	9.85	9.68
7	10.32	10.61	11.02	11.53	12.03	13.25	14.17	13.04	11.58	11.75	9.60	9.78
8	10.33	10.63	11.01	11.51	12.05	13.26	14.15	13.12	11.58	11.62	9.43	9.85
9	10.34	10.62	10.98	11.53	12.01	13.28	14.11	13.16	11.59	11.40	9.56	9.66
10	10.35	10.63	10.98	11.54	12.05	13.29	14.07	13.19	11.57	11.27	9.66	9.46
11	10.37	10.61	10.93	11.56	12.13	13.31	14.04	13.19	11.48	11.21	9.70	9.49
12	10.35	10.62	10.91	11.57	12.18	13.30	14.01	13.09	11.41	11.20	9.81	9.54
13	10.34	10.63	10.91	11.60	12.27	13.33	13.95	12.93	11.40	11.19	9.62	9.59
14	10.34	10.67	10.86	11.62	12.35	13.32	13.89	12.88	11.38	10.71	9.66	9.68
15	10.34	10.75	10.86	11.62	12.38	13.32	13.84	12.85	11.37	9.92	9.75	9.72
16	10.34	10.80	10.85	11.62	12.41	13.36	13.81	12.75	11.36	9.91	9.71	9.62
17	10.35	10.84	10.82	11.62	12.43	13.35	13.82	12.69	11.33	10.01	9.62	9.35
18	10.36	10.87	10.83	11.65	12.47	13.41	13.82	12.67	11.26	10.04	9.52	9.42
19	10.38	10.82	10.85	11.67	12.62	13.42	13.78	12.64	11.39	9.68	9.63	9.34
20	10.36	10.84	10.83	11.69	12.71	13.41	13.79	12.56	12.07	9.78	9.92	9.42
21	10.34	10.89	10.83	11.73	12.73	13.39	13.82	12.51	12.39	9.54	9.90	9.49
22	10.34	10.88	10.87	11.73	12.74	13.44	13.84	12.42	12.48	9.60	9.86	9.53
23	10.32	10.93	10.97	11.76	12.77	13.53	13.87	12.26	12.43	9.47	9.81	9.45
24	10.37	10.99	11.07	11.76	12.77	13.56	13.92	12.12	12.68	9.51	9.64	9.29
25	10.41	10.97	11.07	11.75	12.76	13.58	13.87	12.02	12.90	9.91	9.81	9.23
26	10.40	10.97	11.12	11.78	12.77	13.58	13.83	11.92	12.94	10.08	9.83	9.34
27	10.42	11.06	11.18	11.80	12.76	13.61	13.79	11.85	12.84	10.15	9.78	9.43
28	10.46	11.06	11.25	11.81	12.78	13.60	13.73	11.77	12.69	9.94	9.72	9.47
29	10.46	11.06	11.31	11.79	---	13.63	13.66	11.65	12.53	9.79	9.56	9.16
30	10.49	11.05	11.34	11.81	---	13.69	13.61	11.63	12.38	9.81	9.71	9.20
31	10.53	---	11.39	11.80	---	13.68	---	11.63	---	9.71	9.68	---
MEAN	10.37	10.78	11.02	11.63	12.35	13.34	13.95	12.65	11.89	10.60	9.73	9.50
MAX	10.53	11.06	11.39	11.81	12.78	13.69	14.34	13.56	12.94	12.19	9.99	9.85
MIN	10.31	10.54	10.82	11.42	11.86	12.80	13.61	11.63	11.26	9.47	9.43	9.16

## HYDROGRAPH



## GROUND WATER LEVELS

291

## BERKELEY COUNTY

330218080080700. Local number, BRK-91.

LOCATION.--Lat 33°02'18", long 80°08'07", Hydrologic Unit 03050201, 0.6 mile (1.0 km) northeast of U.S. I-26 on U.S. Hwy 17A and 0.1 mi (0.2 km) inside front entrance of Berkely-Sangaree Public Service District.

Owner: Berkeley-Sangaree Public Service District.

AQUIFER.--Black Mingo.

WELL CHARACTERISTICS.--Drilled unused artesian test well, diameter 6 in (15.2 cm), depth 394 ft (120 m).

DATUM.--Land-surface datum is 69 ft (21.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 75 ft (22.8 m) above land-surface datum.

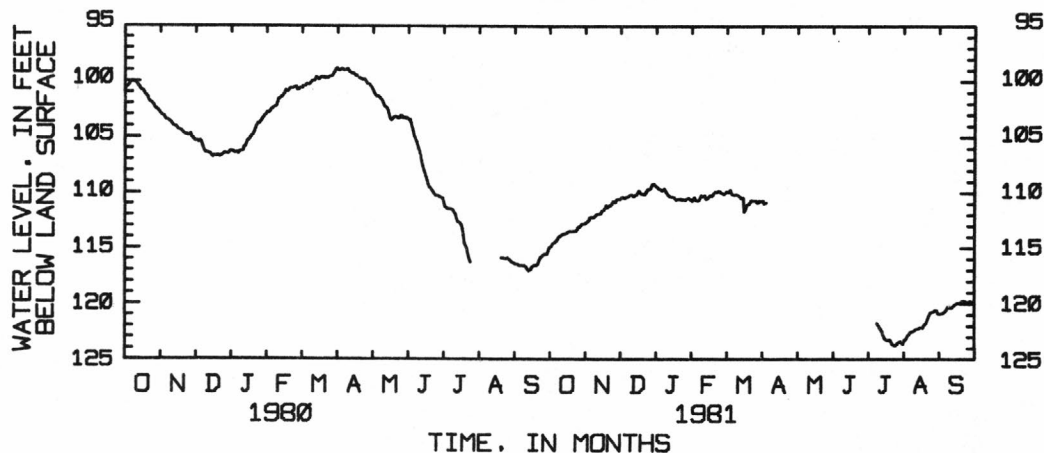
PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 85.47 ft (26.05 m) below land-surface datum, June 16, 1978; lowest, 123.77 ft (37.73 m) below land-surface datum, July 25, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115.11	112.87	110.69	109.72	110.80	110.22	110.94	---	118.10	---	123.65	120.99
2	114.99	112.81	110.58	109.88	110.66	110.12	110.93	---	118.16	---	123.42	120.96
3	114.81	112.68	110.66	109.92	110.89	110.20	111.20	---	---	---	123.24	120.92
4	114.70	112.43	110.70	109.95	110.91	110.17	111.11	---	---	---	123.14	120.89
5	114.62	112.38	110.62	110.07	110.95	110.00	111.11	---	---	---	122.91	120.85
6	114.54	112.44	110.59	109.95	110.88	110.27	---	---	---	---	122.78	120.76
7	114.40	112.41	110.52	109.85	110.69	110.40	---	---	---	---	122.64	120.64
8	114.22	112.33	110.45	110.08	110.46	110.46	---	---	---	---	122.53	120.46
9	114.10	112.22	110.37	110.22	110.58	110.39	---	---	---	121.81	122.51	120.34
10	114.06	112.11	110.38	110.41	110.54	110.38	---	---	---	121.88	122.47	120.39
11	113.97	112.10	110.52	110.51	110.48	110.43	---	---	---	122.05	122.41	120.43
12	113.90	112.09	110.53	110.60	110.80	110.51	---	---	---	122.23	122.30	120.40
13	113.90	112.07	110.41	110.61	110.76	110.59	---	---	---	122.35	122.28	120.29
14	113.85	111.90	110.37	110.61	110.65	110.71	---	---	---	122.52	122.24	120.19
15	113.81	111.76	110.22	110.65	110.55	110.76	---	---	---	122.83	122.20	120.09
16	113.74	111.74	110.05	110.75	110.46	110.68	---	---	---	123.09	122.12	120.05
17	113.68	111.56	110.22	110.86	110.52	111.93	---	---	---	123.24	122.11	119.99
18	113.67	111.37	110.32	110.83	110.42	111.72	---	---	---	123.31	122.19	120.01
19	113.69	111.51	110.30	110.77	110.24	111.40	---	---	---	123.32	122.00	119.98
20	113.67	111.44	110.38	110.83	110.15	111.26	---	---	---	123.28	121.85	119.91
21	113.66	111.35	110.41	110.77	110.17	111.25	---	---	---	123.30	121.76	119.81
22	113.65	111.34	110.23	110.86	110.13	111.07	---	---	---	123.49	121.53	119.79
23	113.65	111.18	110.05	110.81	110.03	110.88	---	---	---	123.68	121.30	119.81
24	113.50	110.98	109.89	110.85	110.09	110.91	---	---	---	123.73	121.00	119.93
25	113.27	111.04	109.91	110.88	110.24	110.92	---	---	---	123.77	120.82	119.91
26	113.26	111.07	109.82	110.80	110.25	110.93	---	---	---	123.72	120.77	119.91
27	113.16	110.82	109.63	110.70	110.36	110.92	---	---	---	123.61	120.74	119.92
28	113.01	110.76	109.45	110.70	110.33	111.09	---	---	---	123.50	120.70	119.85
29	112.99	110.77	109.43	110.85	---	111.09	---	117.71	---	123.43	120.58	119.91
30	113.00	110.80	109.54	110.84	---	110.92	---	117.86	---	123.38	120.63	119.93
31	112.95	---	109.67	110.96	---	111.00	---	117.98	---	123.55	120.88	---
MEAN	113.86	111.74	110.22	110.52	110.50	110.76					121.99	120.24
MAX	115.11	112.87	110.70	110.96	110.95	111.93					123.65	120.99
MIN	112.95	110.76	109.43	109.72	110.03	111.00					120.58	119.79

## HYDROGRAPH





## GROUND WATER LEVELS

## CHARLESTON COUNTY

325025079574501. Local number, CHN-136.

LOCATION.--Lat 32°50'25", long 79°57'45", Hydrologic Unit 03050201, 5.2 miles (8.4 km) northwest of Charleston on U.S. Hwy 52 at Exxon Plant.

Owner: Exxon Company.

AQUIFER.--Limestone and sand of Eocene age.

WELL CHARACTERISTICS.--Drilled unused industrial and domestic artesian well, diameter 10 in (25.6 cm) to 290 ft (88.4 m), 8 in (20.5 cm) from 290 ft (88.4 m) to 504 ft (153.6 m), depth 504 ft (153.6 m), screened with slotted pipe 339-369 ft (103-112 m), 459-504 ft (140-153.6 m).

DATUM.--Land-surface datum is 15 ft (4.57 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.45 ft (0.44 m) above land-surface datum.

PERIOD OF RECORD.--1971 to current year.

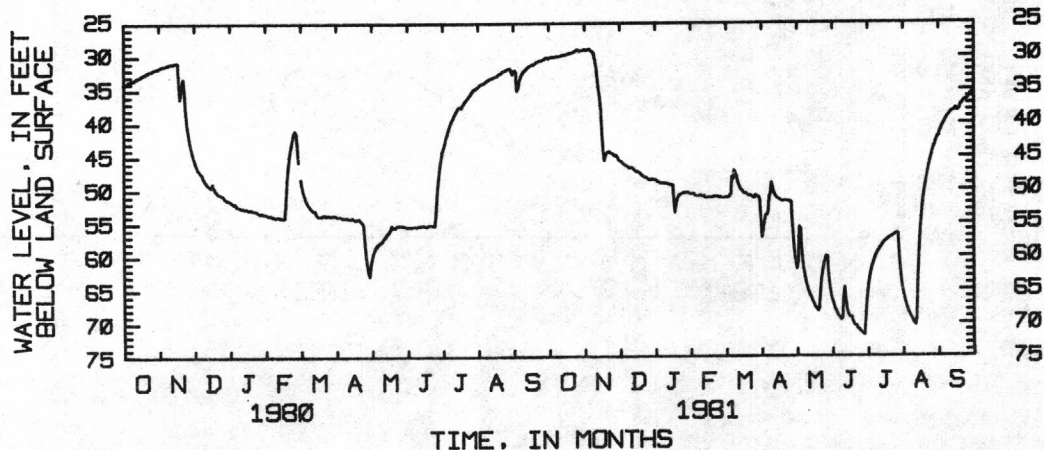
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 29.19 ft (8.89 m) below land-surface datum, Nov. 4, 1980; lowest, 116.63 ft (35.55 m) below land-surface datum, Sept. 6, 1971.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.51	29.37	45.98	48.77	50.67	51.28	54.86	61.00	66.36	66.81	65.08	42.22
2	30.41	29.33	46.05	48.96	50.69	51.22	57.31	62.00	66.96	65.09	65.96	41.72
3	30.38	29.25	46.25	49.02	50.96	51.27	56.22	60.97	67.51	63.75	66.69	41.30
4	30.38	29.19	46.38	49.11	51.03	51.24	54.89	55.76	68.02	62.80	67.34	40.91
5	30.35	29.43	46.47	49.20	51.07	51.10	54.18	56.00	68.45	62.06	67.93	40.55
6	30.32	29.60	46.60	49.18	51.04	50.78	53.85	59.20	68.81	61.47	68.42	40.22
7	30.24	29.67	46.71	49.13	50.97	48.24	53.51	61.04	69.10	60.94	68.81	39.90
8	30.34	30.04	46.82	49.19	50.93	48.54	51.31	62.32	69.32	60.42	69.14	39.57
9	30.30	30.90	46.92	49.17	51.09	47.28	50.76	63.33	69.57	60.00	69.50	39.31
10	30.23	31.81	46.85	49.24	51.06	47.74	49.09	64.17	69.41	59.64	69.85	39.10
11	30.13	33.40	46.83	49.31	51.02	48.11	49.81	64.81	66.50	59.34	70.12	38.89
12	30.08	35.00	47.04	49.36	51.33	49.01	50.59	65.44	64.78	59.05	70.37	38.68
13	30.05	36.22	47.22	49.37	51.32	49.54	51.07	65.92	66.54	58.79	69.46	38.52
14	30.02	38.12	47.40	49.44	51.26	49.96	51.28	66.25	67.91	58.53	63.66	38.50
15	29.97	41.45	47.44	49.49	51.23	50.23	51.47	66.58	68.68	58.31	59.42	38.34
16	29.93	44.20	47.47	51.45	51.21	50.38	51.59	67.08	69.10	58.06	56.50	38.11
17	29.88	45.80	47.60	53.52	51.23	50.66	51.70	67.49	69.20	57.86	54.33	38.48
18	29.82	45.03	47.74	52.35	51.21	50.70	51.83	67.78	69.18	57.72	52.67	38.43
19	29.77	44.61	47.90	51.54	51.14	50.76	51.91	68.02	69.80	57.57	51.15	38.23
20	29.74	44.44	48.08	51.09	51.11	50.91	51.86	68.24	70.18	57.43	49.99	37.77
21	29.66	44.41	48.19	50.85	51.16	51.07	51.84	67.86	70.44	57.32	49.12	37.46
22	29.59	44.60	48.30	50.77	51.16	51.07	51.82	65.34	70.46	57.24	48.26	37.21
23	29.52	44.69	48.34	50.64	51.15	51.07	51.86	63.57	70.82	57.14	47.33	37.00
24	29.35	44.77	48.46	50.56	51.23	51.22	51.87	62.39	71.02	57.01	46.47	36.82
25	29.31	44.97	48.66	50.53	51.29	51.33	51.95	61.49	71.22	56.91	45.72	36.82
26	29.49	45.07	48.72	50.51	51.32	51.44	51.98	60.75	71.42	56.78	45.06	36.71
27	29.49	45.00	48.66	50.49	51.35	51.02	52.15	60.10	71.59	56.66	44.41	36.39
28	29.39	45.23	48.59	50.53	51.31	51.12	55.33	60.18	71.75	56.86	43.89	36.15
29	29.42	45.59	48.64	50.64	---	51.29	57.99	62.64	71.86	59.84	43.45	35.98
30	29.35	45.85	48.67	50.71	---	51.33	59.73	64.35	69.61	62.35	42.93	35.78
31	29.30	---	48.70	50.74	---	51.74	---	65.49	---	63.92	42.46	---
MEAN	29.89	38.57	47.54	50.16	51.13	50.41	52.85	63.47	69.19	59.60	57.27	38.50
MAX	30.51	45.85	48.72	53.52	51.35	51.74	59.73	68.24	71.86	66.81	70.37	42.22
MIN	29.30	29.19	45.98	48.77	50.67	47.28	49.09	55.76	64.78	56.66	42.46	35.78

WTR YR 1981 MEAN 50.72 HIGH 29.19 LOW 71.86

## HYDROGRAPH





## COLLETON COUNTY

330256080354500. Local number, COL-97.

LOCATION.--Lat 33°02'56", long 80°35'45", Hydrologic Unit 03050205, 1.6 miles (2.6 km) southeast of Canadys at intersection of State Hwy. 61 and State Road 45.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Santee Formation.

WELL CHARACTERISTICS.--Drilled test and observation artesian well, diameter 4 in (10.26 cm), depth 500 ft (152.44 m), cased to 140 ft (42.68 m), open hole to 500 ft (15.44 m).

DATUM.--Land-surface datum is 84 ft (25.61 m) National Geodetic Vertical Datum of 1929. Measuring point: top of platform, 2.10 ft (0.64 m) above land-surface datum.

REMARKS.--Depth, measured January 17, 1979, 356 ft (108.5 m).

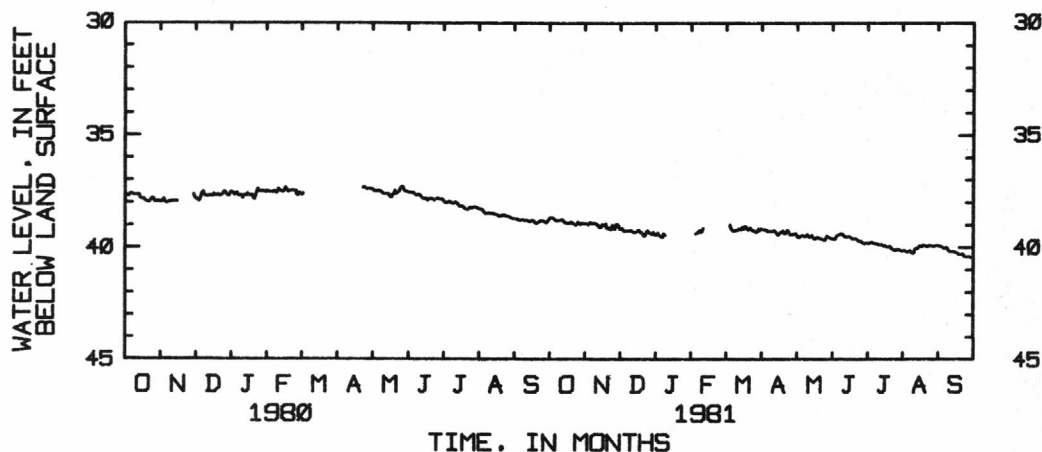
PERIOD OF RECORD.--August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.79 (11.2 m) below land-surface datum, May 14, 1978; lowest 40.47 ft (12.33 m) below land-surface datum, Sept. 30, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38.70	38.94	39.21	39.46	---	---	39.19	39.41	39.64	39.81	40.19	39.93
2	38.69	38.97	39.17	39.38	---	---	39.21	39.48	39.65	39.86	40.16	39.94
3	38.69	39.01	39.23	39.47	39.42	---	39.23	39.57	39.65	39.84	40.15	39.97
4	38.73	38.92	39.30	39.52	39.39	---	39.24	39.57	39.64	39.81	40.19	39.99
5	38.77	38.89	39.29	39.56	39.37	39.02	39.21	39.53	39.52	39.80	40.22	40.01
6	38.83	38.95	39.28	39.57	39.30	39.14	39.25	39.50	39.47	39.80	40.20	40.05
7	38.81	38.96	39.28	39.41	39.25	39.20	39.32	39.49	39.44	39.83	40.16	40.06
8	38.81	38.93	39.28	39.47	39.34	39.28	39.32	39.52	39.43	39.85	40.16	40.02
9	38.80	38.95	39.27	---	39.30	39.28	39.29	39.54	39.39	39.86	40.23	40.05
10	38.79	38.96	39.27	---	39.17	39.27	39.31	39.50	39.42	39.86	40.29	40.14
11	38.78	39.02	39.32	---	---	39.24	39.31	39.45	39.47	39.88	40.26	40.19
12	38.79	39.05	39.36	---	---	39.25	39.28	39.52	39.54	39.91	40.10	40.20
13	38.87	39.14	39.34	---	---	39.19	39.29	39.57	39.55	39.91	40.06	40.20
14	38.91	39.11	39.35	---	---	39.22	39.35	39.55	39.56	39.89	40.07	40.21
15	38.93	38.99	39.32	---	---	39.23	39.41	39.49	39.55	39.93	40.01	40.22
16	38.94	39.02	39.25	---	---	39.11	39.47	39.59	39.54	39.96	39.94	40.24
17	38.93	39.03	39.28	---	---	39.20	39.40	39.65	39.56	39.93	39.94	40.26
18	38.91	38.95	39.36	---	---	39.08	39.35	39.63	39.61	39.98	39.97	40.27
19	38.87	39.15	39.36	---	---	39.08	39.32	39.58	39.65	40.02	39.90	40.34
20	38.90	39.19	39.43	---	---	39.17	39.28	39.58	39.64	40.01	39.91	40.34
21	38.96	39.14	39.51	---	---	39.24	39.39	39.60	39.64	39.98	39.94	40.33
22	38.98	39.23	39.49	---	---	39.19	39.41	39.64	39.64	40.00	39.96	40.31
23	39.02	39.20	39.35	---	---	39.14	39.33	39.65	39.68	40.09	39.98	40.34
24	38.97	39.02	39.28	---	---	39.24	39.25	39.67	39.75	40.11	39.93	40.43
25	38.87	39.07	39.33	---	---	39.27	39.34	39.69	39.76	40.14	39.91	40.44
26	38.97	39.20	39.39	---	---	39.30	39.44	39.70	39.73	40.15	39.94	40.44
27	38.99	38.99	39.42	---	---	39.30	39.45	39.60	39.78	40.11	39.94	40.43
28	38.93	38.98	39.45	---	---	39.36	39.45	39.51	39.84	40.12	39.96	40.43
29	38.94	39.04	39.36	---	---	39.32	39.44	39.56	39.86	40.10	39.95	40.45
30	38.96	39.19	39.42	---	---	39.19	39.41	39.59	39.82	40.14	39.92	40.47
31	38.95	---	39.47	---	---	39.26	---	39.61	---	40.17	39.93	---
MEAN	38.87	39.04	39.34				39.33	39.57	39.61	39.96	40.05	40.22
MAX	39.02	39.23	39.51				39.47	39.70	39.86	40.17	40.29	40.47
MIN	38.69	38.89	39.17				39.19	39.41	39.39	39.80	39.90	39.93

## HYDROGRAPH



## GROUND WATER LEVELS

## FLORENCE COUNTY

341150079345000 (revised). Local number, FLO-129.

LOCATION.--Lat 34°11'50" (revised), long 79°34'50" (revised), Hydrologic Unit 03040201, on Pee Dee River, 2.0 miles (3.2 km) east of Mars Bluff at DuPont Plant.

Owner: E. I. DuPont, de Nemours Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused observation artesian well, diameter 4 in (10.3 cm), depth drilled 802 ft (244.4 m), depth measured by geophysical logger 460 ft (140.2 m), reportedly cased to 802 ft (244.4 m), screened intervals 264-292 ft (80.5-89 m), 327-333 ft (99.7-101.5 m), 375-381 ft (114-116 m), 678-690 ft (206.7-210.3 m).

DATUM.--Land-surface datum is 96.90 ft (29.54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.43 ft (0.44 m) above land-surface datum.

REMARK.--Formerly listed as FLO-128.

PERIOD OF RECORD.--August 1971 to current year.

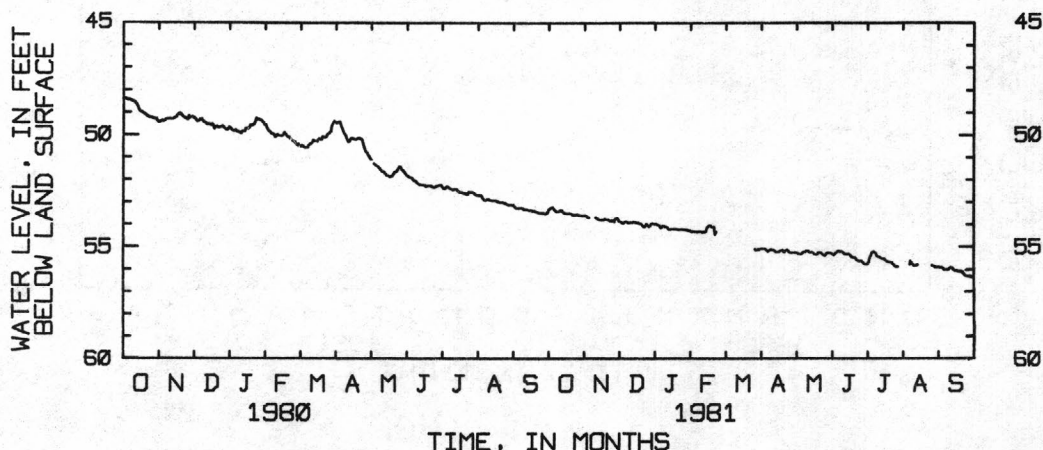
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 37.22 ft (11.34 m) below land-surface datum, Feb. 10, 1973; lowest, 61.35 ft (18.69 m) below land-surface datum, Sept. 30, 1981.

## PROVISIONAL DATA

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53.28	53.63	53.90	54.01	54.34	---	55.09	55.26	55.31	55.78	---	55.92
2	53.22	53.64	53.91	54.03	54.34	---	55.08	55.28	55.34	55.81	---	55.93
3	53.19	53.70	53.97	54.06	54.35	---	55.09	55.31	55.38	55.71	---	55.93
4	53.17	53.72	53.97	54.09	54.35	---	55.09	55.33	55.32	55.52	---	55.93
5	53.23	---	53.92	54.17	54.36	---	55.09	55.33	55.27	55.40	---	55.97
6	53.32	---	53.89	54.16	54.36	---	55.14	55.32	55.22	55.27	---	56.02
7	53.37	---	53.92	54.08	54.34	---	55.21	55.29	55.19	55.24	55.80	56.03
8	53.38	---	53.95	54.10	54.34	---	55.20	55.23	55.21	55.24	55.65	56.03
9	53.39	---	53.96	54.12	54.36	---	55.14	55.24	55.22	55.30	55.72	56.02
10	53.34	53.72	53.93	54.13	54.38	---	55.12	55.21	55.24	55.40	55.82	56.02
11	53.37	53.76	53.93	54.16	54.34	---	55.14	55.17	55.27	55.46	55.86	55.97
12	53.38	53.78	53.93	54.24	54.36	---	55.14	55.20	55.33	55.47	55.86	55.92
13	53.48	53.81	53.90	54.24	54.34	---	55.18	55.26	55.33	55.49	55.84	55.94
14	53.52	53.82	53.92	54.24	54.19	---	55.24	55.26	55.34	55.53	55.82	56.02
15	53.53	53.82	53.96	54.23	54.11	---	55.25	55.23	55.34	55.55	---	56.07
16	53.54	53.81	53.95	54.22	54.06	---	55.24	55.28	55.33	55.54	---	56.08
17	53.54	53.81	53.96	54.23	54.07	---	55.22	55.32	55.38	55.58	---	56.08
18	53.54	53.77	54.00	54.23	54.13	---	55.18	55.35	55.44	55.65	---	56.10
19	53.53	53.81	54.00	54.23	54.15	---	55.16	55.35	55.48	55.68	---	56.10
20	53.55	53.81	54.04	54.25	54.12	---	55.14	55.32	55.48	55.69	---	56.10
21	53.59	53.81	54.12	54.25	54.47	---	55.23	55.26	55.50	55.70	---	56.10
22	53.61	53.87	54.13	54.25	54.36	---	55.23	55.27	55.54	55.71	---	56.14
23	53.61	53.88	54.09	54.24	---	---	55.16	55.28	55.61	55.73	---	56.22
24	53.61	53.84	54.01	54.24	---	---	55.13	55.32	55.65	55.79	---	56.29
25	53.58	53.88	54.07	54.25	---	---	55.20	55.37	55.65	55.84	---	56.32
26	53.60	53.92	54.12	54.26	---	---	55.26	55.39	55.65	55.89	55.85	56.32
27	53.62	53.78	54.10	54.26	---	55.12	55.27	55.38	55.66	55.89	55.85	56.33
28	53.63	53.74	54.00	54.26	---	55.16	55.28	55.30	55.71	55.91	55.88	56.34
29	53.64	53.76	53.98	54.30	---	55.15	55.28	55.27	55.77	---	55.92	56.35
30	53.65	53.87	53.99	54.31	---	55.11	55.27	55.27	55.79	---	55.92	56.35
31	53.65	---	54.01	54.34	---	55.15	---	55.29	---	---	55.92	---
MEAN	53.47	---	53.94	54.20	---	---	55.18	55.29	55.43	---	---	56.10
MAX	53.65	---	54.13	54.34	---	---	55.28	55.39	55.79	---	---	56.35
MIN	53.17	---	53.89	54.01	---	---	55.08	55.17	55.19	---	---	55.92

## HYDROGRAPH



## GEORGETOWN COUNTY

332249079171300 (revised). Local number, GEO-17.

LOCATION.--Lat 33°22'49" (revised), long 79°17'13" (revised), Hydrologic Unit 03040207, at Georgetown Hospital on Black River Road.

Owner: City of Georgetown.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well for public supply, diameter 8 in (20.3 cm), depth 904 ft (276 m), cased to 885 ft (270 m), open hole to 904 ft (276 m).

DATUM.--Land-surface datum is 18 ft (5.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.46 m) above land-surface datum.

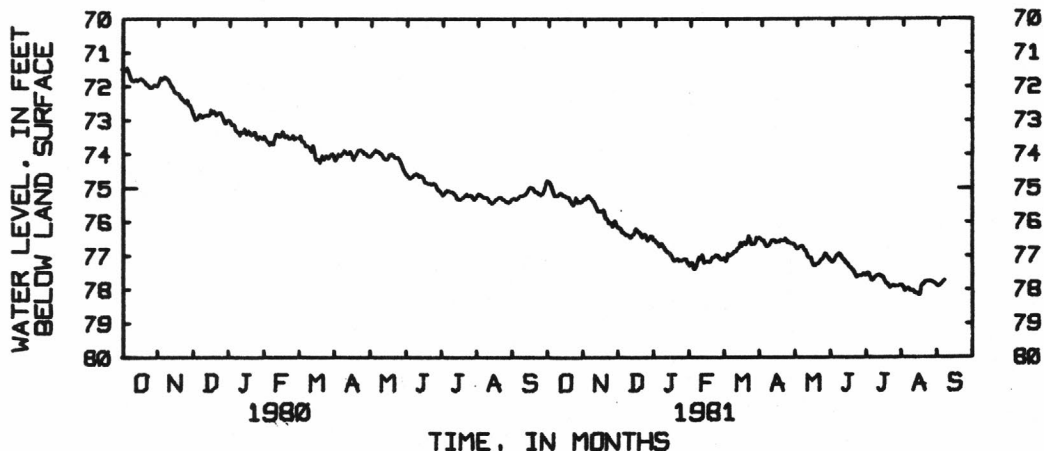
PERIOD OF RECORD.--January 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 68.56 ft (20.90 m) below land-surface datum May 14, 1978; lowest, 78.16 ft (23.82 m) below land-surface datum, Aug. 17, 18, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.77	75.30	76.17	76.53	77.25	77.07	76.45	76.65	77.13	77.54	77.87	77.86
2	74.80	75.30	76.16	76.61	77.19	77.05	76.48	76.72	77.17	77.58	77.87	77.89
3	74.86	75.31	76.25	76.61	77.36	77.15	76.52	76.79	77.19	77.56	77.90	77.90
4	74.95	75.22	76.31	76.65	77.38	77.14	76.55	76.80	77.18	77.50	77.98	77.88
5	75.07	75.21	76.31	76.74	77.38	76.93	76.55	76.78	77.13	77.57	78.04	77.84
6	75.17	75.27	76.34	76.70	77.31	76.99	76.63	76.74	77.05	77.65	78.02	77.80
7	75.21	75.30	76.38	76.63	77.17	76.97	76.72	76.73	76.99	77.71	77.97	77.76
8	75.22	75.32	76.39	76.73	77.03	76.96	76.73	76.70	76.96	77.73	77.96	77.72
9	75.22	75.38	76.39	76.75	77.10	76.93	76.70	76.77	76.93	77.69	78.01	---
10	75.21	75.45	76.41	76.82	77.06	76.90	76.69	76.84	76.96	77.64	78.03	---
11	75.15	75.54	76.47	76.85	76.95	76.86	76.62	76.85	77.01	77.61	78.02	---
12	75.14	75.61	76.45	76.90	77.16	76.86	76.55	76.97	77.07	77.59	78.03	---
13	75.18	75.67	76.38	76.90	77.20	76.78	76.54	77.05	77.10	77.57	78.07	---
14	75.20	75.69	76.37	76.93	77.18	76.77	76.53	77.06	77.15	77.56	78.12	---
15	75.22	75.65	76.30	76.98	77.17	76.74	76.57	77.05	77.20	77.60	78.12	---
16	75.24	75.69	76.19	77.04	77.17	76.62	76.59	77.17	77.22	77.61	78.12	---
17	75.26	75.68	76.23	77.12	77.18	76.72	76.57	77.25	77.26	77.63	78.16	---
18	75.26	75.63	76.28	77.14	77.18	76.64	76.57	77.28	77.33	77.71	78.16	---
19	75.27	75.83	76.31	77.14	77.10	76.60	76.58	77.28	77.35	77.78	77.90	---
20	75.35	75.89	76.39	77.11	77.03	76.62	76.52	77.29	77.39	77.82	77.82	---
21	75.42	75.89	76.46	77.08	77.03	76.66	76.54	77.24	77.43	77.85	77.86	---
22	75.47	76.01	76.45	77.15	77.01	76.58	76.55	77.23	77.49	77.91	77.76	---
23	75.50	76.04	76.37	77.13	76.96	76.40	76.54	77.19	77.57	77.95	77.77	---
24	75.39	76.00	76.37	77.13	76.97	76.53	76.49	77.14	77.63	77.92	77.75	---
25	75.27	76.08	76.50	77.14	77.02	76.60	76.55	77.11	77.62	77.89	77.74	---
26	75.40	76.14	76.56	77.11	77.05	76.66	76.59	77.08	77.59	77.88	77.75	---
27	75.43	75.97	76.50	77.08	77.11	76.64	76.60	76.99	77.58	77.89	77.74	---
28	75.37	75.96	76.42	77.10	77.10	76.65	76.63	76.92	77.59	77.90	77.76	---
29	75.41	76.06	76.44	77.19	---	76.58	76.64	76.99	77.58	77.89	77.78	---
30	75.41	76.15	76.50	77.24	---	76.46	76.64	77.03	77.54	77.90	77.79	---
31	75.36	---	76.53	77.30	---	76.50	---	77.07	---	77.89	77.82	---
MEAN	75.23	75.67	76.37	76.95	77.14	76.76	76.58	76.99	77.28	77.73	77.93	
MAX	75.50	76.15	76.56	77.30	77.38	77.15	76.73	77.29	77.63	77.95	78.16	
MIN	74.77	75.21	76.16	76.53	76.95	76.40	76.45	76.65	76.93	77.50	77.74	

## HYDROGRAPH



## GEORGETOWN COUNTY

332424079171800 (revised). Local number, GEO-77.

LOCATION.--Lat 33°24'24", long 79°17'18", Hydrologic Unit 03040207, 5.0 mi (8.0 km) north of Georgetown on U.S. Hwy. 701.

Owner: Georgetown Rural Water District.

AQUIFER.--Sands of the Pee Dee and Black Creek Formations.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 10 in (25.6 cm) to 445 ft (135.6 m), 8 in (20.5 cm) from 445 ft (136 m) to 748 ft (228.0 m), depth 748 ft (228.0 m), cased to 748 ft (228.0 m), screened 490-520 ft (149.4-158.5 m), 580-660 ft (176.8-201.2 m), 720-740 ft (219.5-225.6 m), gravel packed.

DATUM.--Land-surface datum is 22 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.10 ft (0.64 m) above land-surface datum.

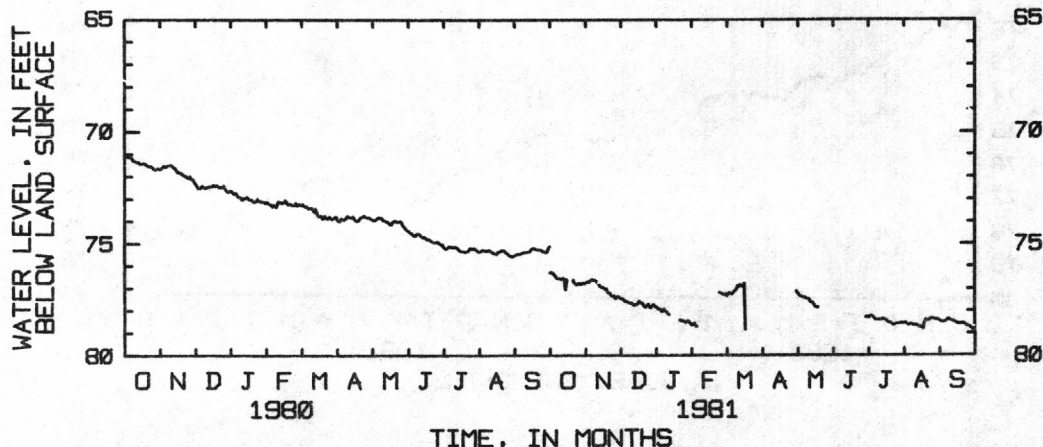
PERIOD OF RECORD.--June 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 63.73 ft (19.4 m) below land-surface datum, Nov. 7, 1976; lowest, 96.82 ft (29.52 m) below land-surface datum, Nov. 21-23, 1973.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76.30	76.72	77.47	77.87	78.61	77.24	---	77.15	---	78.28	78.57	78.45
2	76.30	76.71	77.47	77.94	78.54	77.34	---	77.24	---	78.32	78.55	78.48
3	76.32	76.72	77.52	77.93	78.67	77.25	---	77.32	---	78.28	78.55	78.51
4	76.37	76.64	77.59	77.95	78.70	77.19	---	77.36	---	78.24	78.61	78.51
5	76.44	76.60	77.59	78.05	---	77.23	---	77.38	---	78.26	78.65	78.50
6	76.51	76.62	77.61	78.01	---	77.26	---	77.40	---	78.31	78.64	78.48
7	76.56	76.65	77.64	77.93	---	77.20	---	77.41	---	78.36	78.60	78.44
8	76.57	76.65	77.66	78.02	---	77.13	---	77.41	---	78.41	78.61	78.38
9	76.57	76.68	77.66	78.06	---	77.10	---	77.46	---	78.42	78.65	78.37
10	76.59	76.71	77.67	78.12	---	77.03	77.01	77.48	---	78.41	78.67	78.41
11	76.56	76.79	77.74	78.17	---	76.88	76.97	77.47	---	78.40	78.65	78.45
12	76.54	76.86	77.76	---	---	76.93	76.91	77.54	---	78.41	78.66	78.46
13	76.59	76.94	77.72	---	---	76.82	76.90	77.63	---	78.39	78.69	78.48
14	77.06	76.96	77.72	---	---	76.85	76.91	77.65	---	78.37	78.73	78.51
15	76.62	76.95	77.67	---	---	76.90	76.95	77.65	---	78.39	78.74	78.53
16	---	76.99	77.57	---	---	76.93	---	77.75	---	78.41	78.74	78.56
17	---	77.04	77.61	---	---	76.76	---	77.83	---	78.43	78.79	78.59
18	---	77.01	77.66	---	---	76.84	---	77.86	---	78.48	78.82	78.59
19	---	77.15	77.67	---	---	---	---	77.86	---	78.54	78.57	78.59
20	76.65	77.21	77.75	78.43	---	---	---	---	---	78.55	78.39	78.57
21	76.73	77.22	77.83	78.41	---	---	---	---	---	78.55	78.45	78.57
22	76.78	77.31	77.83	78.47	---	---	---	---	---	78.60	78.42	78.57
23	76.84	77.36	77.74	78.46	77.19	---	---	---	---	78.65	78.41	78.60
24	76.83	77.33	77.71	78.48	77.19	---	---	---	---	78.64	78.36	78.66
25	76.78	77.37	77.81	78.53	77.23	---	---	---	---	78.61	78.34	78.69
26	76.81	77.46	77.87	78.50	77.25	---	---	---	---	78.58	78.35	78.71
27	76.83	77.38	77.81	78.46	77.29	---	---	---	---	78.59	78.35	78.73
28	76.78	77.36	77.74	78.47	77.29	---	---	---	---	78.58	78.38	78.76
29	76.76	77.39	77.75	78.55	---	---	---	---	78.31	78.56	78.38	78.82
30	76.77	77.45	77.80	78.59	---	---	77.12	---	78.28	78.55	78.39	78.86
31	76.75	---	77.85	78.66	---	---	---	---	---	78.57	78.42	---
MEAN		77.01	77.69							78.46	78.55	78.56
MAX		77.46	77.87							78.65	78.82	78.86
MIN		76.60	77.47							78.24	78.34	78.37

## HYDROGRAPH



## GEORGETOWN COUNTY

332610079104000. Local number, GEO-84. Hagley Plantation.

LOCATION.--Lat 33°26'10", long 79°10'40", Hydrologic Unit 03040207, 2 mi (3.2 km) west of Pawleys Island, south Causeway entrance on Hwy. 17.

Owner: Johnnie Strait.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled private artesian well, diameter 4 in (10.2 cm), depth 620 ft (189 m) cased 0-575 ft (175 m), screened from 575 ft-620 ft (175-189 m).

DATUM.--Land-surface datum is 20 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

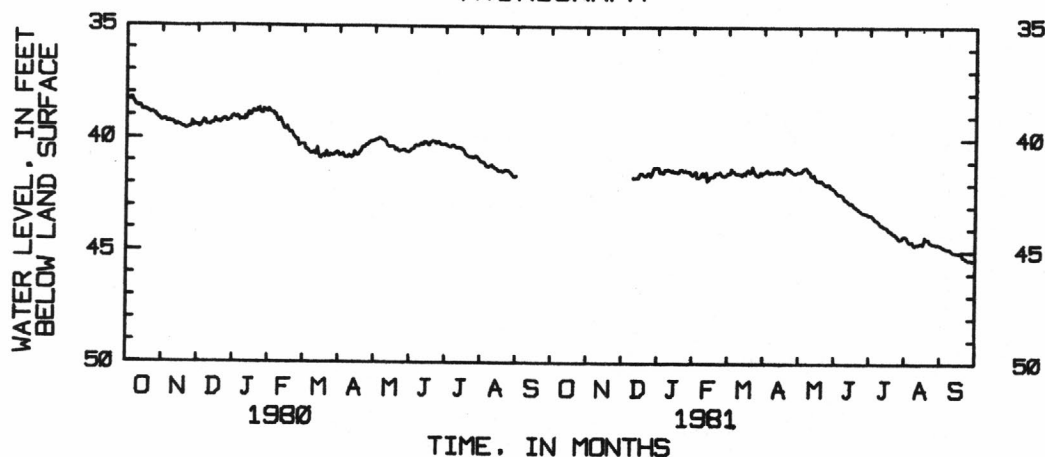
PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 31.38 ft (9.56 m) below land-surface datum, Feb. 10, 1978; lowest, 45.41 ft (13.84 m) below land-surface datum, Sept. 29, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---		---	41.29	41.50	41.58	41.47	41.44	42.24	43.37	44.32	44.72
2	---		---	41.48	41.45	41.48	41.47	41.44	42.28	43.39	44.33	44.75
3	---		---	41.45	41.72	41.54	41.45	41.44	42.35	43.39	44.35	44.80
4	---		---	41.51	41.70	41.51	41.40	41.43	42.40	43.39	44.47	44.82
5	---		---	41.52	41.71	41.31	41.35	41.37	42.46	43.46	44.57	44.85
6	---		---	41.41	41.65	41.42	41.47	41.29	42.44	43.53	44.60	44.87
7	---		---	41.34	41.56	41.43	41.48	41.27	42.48	43.61	44.57	44.88
8	---		---	41.38	41.48	41.50	41.45	41.25	42.48	43.61	44.56	44.89
9	---		41.73	41.33	41.64	41.54	41.46	41.34	42.52	43.65	44.69	44.90
10	---		41.76	41.38	41.55	41.55	41.48	41.44	42.62	43.69	44.74	44.91
11	---		41.76	41.41	41.47	41.53	41.44	41.43	42.70	43.78	44.68	44.97
12	---		41.73	41.44	41.87	41.57	41.44	41.60	42.71	43.82	44.67	45.03
13	---		41.73	41.40	41.80	41.54	41.48	41.65	42.75	43.84	44.69	45.04
14	---		41.74	41.46	41.71	41.61	41.41	41.60	42.81	43.88	44.67	45.04
15	42.10		41.64	41.47	41.67	41.54	41.46	41.59	42.85	43.92	44.63	45.04
16	42.10		41.52	41.44	41.65	41.47	41.43	41.76	42.82	43.91	44.62	45.07
17	---		41.53	41.50	41.67	41.58	41.47	41.85	42.85	43.94	44.69	45.09
18	---		41.55	41.47	41.64	41.44	41.51	41.84	42.93	44.01	44.59	45.04
19	---		41.62	41.38	41.53	41.35	41.47	41.85	42.98	44.07	44.36	45.09
20	---		41.64	41.34	41.48	41.40	41.30	41.88	43.01	44.09	44.46	45.15
21	---		41.63	41.34	41.52	41.50	41.25	41.84	43.07	44.12	44.46	45.23
22	---		41.59	41.42	41.48	41.42	41.28	41.90	43.10	44.19	44.44	45.27
23	---		41.50	41.42	41.45	41.23	41.34	41.98	43.17	44.21	44.58	45.29
24	---		41.50	41.40	41.55	41.40	41.34	42.02	43.19	44.22	44.60	45.34
25	---		41.65	41.44	41.61	41.48	41.40	42.06	43.24	44.28	44.65	45.38
26	---		41.55	41.45	41.64	41.58	41.44	42.07	43.28	44.34	44.67	45.39
27	---		41.41	41.44	41.65	41.59	41.49	42.00	43.28	44.41	44.65	45.37
28	---		41.27	41.47	41.60	41.64	41.51	42.03	43.31	44.46	44.68	45.38
29	---		41.29	41.56	---	41.58	41.50	42.14	43.31	44.45	44.71	45.41
30	---		41.26	41.61	---	41.46	41.47	42.16	43.33	44.43	44.67	45.39
31	---		41.25	41.58	---	41.57	---	42.19	---	44.33	44.70	---
MEAN				41.44	41.61	41.49	41.43	41.71	42.83	43.93	44.58	45.08
MAX				41.61	41.87	41.64	41.51	42.19	43.33	44.46	44.74	45.41
MIN				41.29	41.45	41.23	41.25	41.25	42.24	43.37	44.32	44.72

## HYDROGRAPH





## GROUND WATER LEVELS

## GREENVILLE COUNTY

345335082185800. Local number, GFV-709.

LOCATION.--Lat 34°53'35", long 82°18'58", Hydrologic Unit 03050109, at Brushy Creek Elementary School northeast of Greenville.

Owner: School District of Greenville County.

AQUIFER.--Metamorphic rocks of Paleozoic to Precambrian age.

WELL CHARACTERISTICS.--Drilled unused public supply water table well, diameter 6 in (15.38 cm), depth 80 ft (24.4 m), cased to 6 ft (1.8 m), open hole below casing.

DATUM.--Land-surface datum is 926 ft (282.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.79 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--May 1973 to current year.

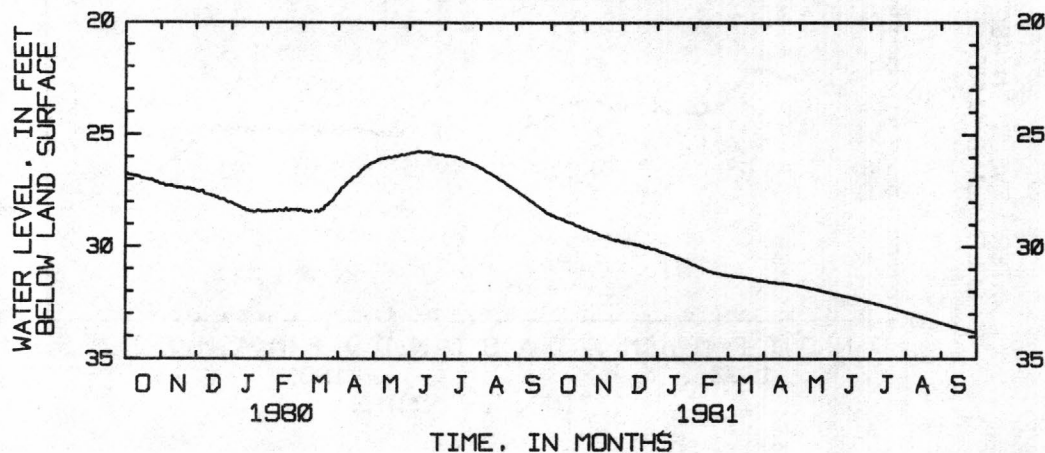
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 23.81 ft (7.26 m) below land-surface datum, June 28, 1973; lowest, 33.82 ft (10.30 m) below land-surface datum, Sept. 29, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET). WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.59	29.27	29.80	30.19	30.81	31.28	31.53	31.76	32.12	32.48	32.93	33.41
2	28.60	29.31	29.80	30.22	30.84	31.29	31.55	31.77	32.13	32.50	32.94	33.43
3	28.62	29.33	29.84	30.22	30.88	31.31	31.55	31.78	32.14	32.51	32.96	33.44
4	28.66	29.32	29.84	30.26	30.90	31.30	31.56	31.79	32.15	32.52	32.98	33.46
5	28.70	29.35	29.84	30.28	30.93	31.29	31.57	31.80	32.16	32.53	32.99	33.48
6	28.72	29.38	29.85	30.27	30.94	31.33	31.59	31.80	32.17	32.55	33.00	33.49
7	28.72	29.38	29.86	30.28	30.95	31.34	31.59	31.82	32.19	32.57	33.02	33.51
8	28.73	29.41	29.86	30.32	30.97	31.35	31.60	31.83	32.20	32.58	33.04	33.52
9	28.75	29.43	29.86	30.34	31.02	31.35	31.61	31.84	32.21	32.59	33.05	33.54
10	28.77	29.46	29.88	30.37	31.02	31.36	31.61	31.84	32.22	32.60	33.07	33.55
11	28.79	29.49	29.90	30.38	31.05	31.36	31.61	31.86	32.24	32.62	33.08	33.57
12	28.83	29.51	29.91	30.40	31.10	31.36	31.62	31.87	32.25	32.63	33.10	33.58
13	28.86	29.53	29.92	30.40	31.11	31.36	31.63	31.89	32.26	32.65	33.12	33.59
14	28.88	29.53	29.94	30.42	31.12	31.39	31.64	31.89	32.27	32.66	33.13	33.61
15	28.90	29.54	29.93	30.46	31.13	31.38	31.65	31.90	32.28	32.67	33.14	33.62
16	28.92	29.58	29.93	30.48	31.14	31.37	31.65	31.92	32.29	32.69	33.16	33.63
17	28.93	29.57	29.97	30.51	31.16	31.39	31.65	31.93	32.31	32.70	33.18	33.65
18	28.94	29.59	29.98	30.52	31.18	31.38	31.65	31.94	32.32	32.72	33.19	33.66
19	28.96	29.64	30.00	30.53	31.17	31.41	31.66	31.95	32.33	32.73	33.20	33.67
20	29.00	29.65	30.04	30.55	31.19	31.43	31.66	31.97	32.34	32.74	33.22	33.68
21	29.03	29.67	30.05	30.58	31.21	31.44	31.68	31.98	32.35	32.76	33.24	33.70
22	29.06	29.69	30.05	30.60	31.22	31.44	31.68	31.99	32.37	32.78	33.25	33.71
23	29.09	29.70	30.03	30.62	31.22	31.45	31.67	32.00	32.38	32.79	33.27	33.73
24	29.09	29.69	30.04	30.65	31.25	31.47	31.69	32.02	32.40	32.81	33.28	33.74
25	29.09	29.74	30.10	30.67	31.26	31.48	31.71	32.03	32.41	32.82	33.30	33.75
26	29.15	29.75	30.10	30.68	31.27	31.49	31.72	32.04	32.42	32.84	33.32	33.77
27	29.17	29.71	30.11	30.70	31.28	31.50	31.73	32.05	32.44	32.85	33.33	33.78
28	29.17	29.74	30.12	30.74	31.27	31.51	31.73	32.06	32.45	32.86	33.35	33.80
29	29.22	29.77	30.12	30.77	---	31.51	31.74	32.08	32.46	32.88	33.36	33.81
30	29.24	29.80	30.15	30.80	---	31.50	31.74	32.09	32.47	32.90	33.38	33.82
31	29.25	---	30.16	30.82	---	31.53	---	32.10	---	32.91	33.40	---
MEAN	28.92	29.55	29.97	30.48	31.09	31.40	31.64	31.92	32.29	32.69	33.16	33.62
MAX	29.25	29.80	30.16	30.82	31.28	31.53	31.74	32.10	32.47	32.91	33.40	33.82
MIN	28.59	29.27	29.80	30.19	30.81	31.28	31.53	31.76	32.12	32.48	32.93	33.41

WTR YR 1981 MEAN 31.39 HIGH 28.59 LOW 33.82

## HYDROGRAPH





## HAMPTON COUNTY

325005081122800. Local number, HAM-82.

LOCATION.--Lat 32°50'05", long 81°12'28", Hydrologic Unit 03050208, at the intersection of State Hwy. 363 and State road 41, 5.7 mile (9.2 km) west of Hampton on SC-363, and at Hampton County landfill.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Santee Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (10.26 cm), depth 200 ft (60.98 m), cased to 98 ft (29.88 m), open hole to 200 ft (60.98 m).

DATUM.--Land-surface datum is 125 ft (38.11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.8 ft (0.85 m) above land-surface datum.

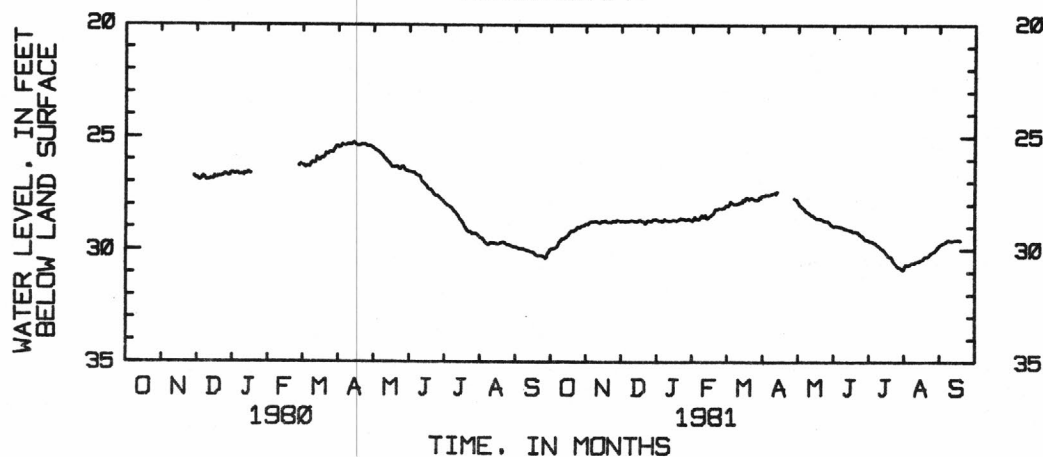
PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 25.55 (7.79 m) below land-surface datum, Apr. 5, 1977; lowest, 30.91 ft (9.42 m) below land-surface datum, July 31, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.98	28.87	28.75	28.69	28.66	28.06	27.61	27.83	28.98	29.58	30.89	29.81
2	29.96	28.89	28.72	28.73	28.54	28.01	27.60	27.92	28.99	29.63	30.78	29.77
3	29.94	28.81	28.75	28.72	28.65	28.06	27.60	28.02	28.95	29.65	30.68	29.74
4	29.92	28.76	28.77	28.71	28.65	28.00	27.58	28.08	28.98	29.65	30.68	29.71
5	29.91	28.78	28.75	28.78	28.67	27.87	27.55	28.11	29.00	29.65	30.70	29.69
6	29.87	28.78	28.75	28.74	28.64	27.92	27.57	28.16	29.01	29.70	30.68	29.67
7	29.79	28.76	28.75	28.66	28.55	27.95	27.59	28.20	29.02	29.72	30.63	29.63
8	29.69	28.75	28.73	28.70	28.48	27.99	27.57	28.28	29.03	29.76	30.58	29.59
9	29.62	28.75	28.71	28.72	28.57	27.99	27.52	28.34	29.03	29.80	30.59	29.58
10	29.55	28.77	28.70	28.72	28.54	27.98	27.52	28.36	29.06	29.83	30.60	29.60
11	29.51	28.80	28.74	28.73	28.46	27.94	27.50	28.36	29.11	29.87	30.57	29.62
12	29.51	28.83	28.75	28.73	28.61	27.94	27.47	28.42	29.11	29.93	30.52	29.61
13	29.48	28.80	28.75	28.71	28.62	27.89	27.53	28.48	29.12	29.97	30.51	29.60
14	29.44	28.74	28.77	28.68	28.56	27.89	27.44	28.50	29.14	29.99	30.51	29.58
15	29.40	28.76	28.74	28.68	28.51	27.89	---	28.49	29.15	30.04	30.49	29.58
16	29.34	28.75	28.68	28.70	28.47	27.78	---	28.57	29.16	30.11	30.44	29.57
17	29.27	28.71	28.71	28.73	28.43	27.83	---	28.63	29.18	30.17	30.44	29.56
18	29.20	28.78	28.75	28.71	28.38	27.73	---	28.64	29.22	30.24	30.40	29.57
19	29.16	28.80	28.75	28.68	28.28	27.69	---	28.63	29.23	30.31	30.33	29.60
20	29.17	28.79	28.79	28.65	28.21	27.75	---	28.63	29.21	30.30	30.29	---
21	29.15	28.77	28.86	28.61	28.21	27.79	---	28.64	29.22	30.32	30.30	---
22	29.14	28.80	28.83	28.66	28.20	27.73	---	28.68	29.23	30.39	30.29	---
23	29.09	28.77	28.73	28.62	28.16	27.70	---	28.70	29.27	30.51	30.26	---
24	29.01	28.72	28.69	28.64	28.16	27.74	---	28.73	29.34	30.59	30.18	---
25	29.04	28.74	28.73	28.69	28.19	27.77	---	28.75	29.39	30.65	30.13	---
26	29.03	28.77	28.76	28.68	28.17	27.79	---	28.78	29.40	30.71	30.11	---
27	28.97	28.69	28.74	28.64	28.17	27.78	---	28.76	29.46	30.76	30.08	---
28	28.96	28.71	28.67	28.63	28.13	27.80	27.75	28.77	29.54	30.79	30.05	---
29	28.94	28.72	28.66	28.69	---	27.77	27.76	28.83	29.57	30.81	30.00	---
30	28.91	28.76	28.66	28.70	---	27.66	27.79	28.89	29.57	30.86	29.93	---
31	28.87	---	28.68	28.73	---	27.70	---	28.94	---	30.91	29.86	---
MEAN	29.38	28.77	28.74	28.69	28.42	27.85		28.49	29.19	30.17	30.40	
MAX	29.98	28.89	28.86	28.78	28.67	28.06		28.94	29.57	30.91	30.89	
MIN	28.87	28.69	28.66	28.61	28.13	27.66		27.83	28.95	29.58	29.86	

## HYDROGRAPH



## HAMPTON COUNTY

324143080505900. Local number, HAM-83.

LOCATION.--Lat 32°41'43", long 80°50'59", Hydrologic Unit 03050208, northwest of Ebenezer Methodist Church, 170 ft (51.8 m) northeast and 80 ft (24.4 m) northwest of intersection of state road 44 and state road 10, 0.4 mi (0.64 km) northwest of the intersection of state road 44 and U.S. Hwy 17A-21 in Yemassee.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Hawthorne Formation.

WELL CHARACTERISTICS.--Drilled unused observation artesian well, diameter 6 in (15.2 cm), depth 190 ft (57.91 m), cased to 85.5 ft (26.15 m), open hole 190 ft (57.91 m).

DATUM.--Land-surface datum is 45 ft (13.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.7 ft (0.21 m) above land-surface datum.

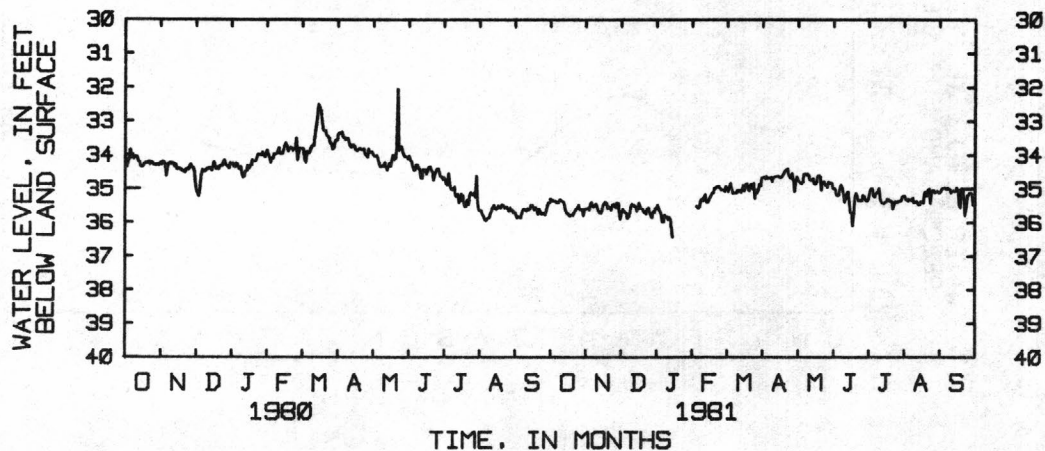
PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 33.28 ft (10.14 m) below land-surface datum, June 16, 1979; lowest, 36.48 ft (11.12 m) below land-surface datum, Jan. 4, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.30	35.57	35.70	35.48	---	34.93	34.67	34.63	34.99	35.33	35.21	35.11
2	35.36	35.56	35.60	35.57	---	34.97	34.64	34.74	35.00	35.26	35.20	35.07
3	35.32	35.62	35.66	35.66	35.51	35.07	34.65	34.79	35.03	35.07	35.31	35.00
4	35.35	35.48	35.69	35.74	35.52	34.95	34.69	34.82	35.17	34.99	35.29	34.98
5	35.35	35.39	35.73	35.98	35.56	34.84	34.62	34.84	35.20	34.99	35.36	34.96
6	35.40	35.50	35.88	35.97	35.52	34.99	34.69	34.80	35.17	35.20	35.31	34.97
7	35.41	35.53	35.82	35.77	35.36	35.13	34.67	34.56	35.00	35.23	35.29	35.01
8	35.39	35.48	35.72	35.82	35.29	35.11	34.68	34.54	34.88	35.14	35.34	34.97
9	35.31	35.44	35.52	35.82	35.34	35.12	34.65	34.57	34.95	35.10	35.26	35.00
10	35.35	35.52	35.44	35.90	35.24	35.11	34.77	34.55	35.13	35.12	35.40	35.02
11	35.37	35.63	35.47	35.84	35.16	35.04	34.67	34.60	35.38	34.98	35.40	35.11
12	35.39	35.70	35.51	35.90	35.39	35.08	34.63	34.72	35.29	35.30	35.36	35.07
13	35.48	35.71	35.51	36.15	35.38	35.03	34.62	34.75	35.13	35.40	35.41	35.05
14	35.65	35.64	35.64	36.42	35.34	35.10	34.62	34.73	35.08	35.43	35.47	35.07
15	35.72	35.50	35.58	---	35.26	35.03	34.61	34.69	35.38	35.44	35.46	35.06
16	35.75	35.44	35.41	---	35.19	34.89	34.64	34.85	35.69	35.40	35.37	34.96
17	35.80	35.38	35.52	---	35.11	35.06	34.66	34.85	35.72	35.39	35.42	35.01
18	35.79	35.43	35.58	---	35.10	34.89	34.63	34.80	36.05	35.35	35.42	35.47
19	35.76	35.57	35.60	---	34.97	34.84	34.58	34.61	35.76	35.31	35.12	35.56
20	35.79	35.52	35.67	---	34.96	34.99	34.52	34.60	35.25	35.37	35.07	35.01
21	35.72	35.54	35.71	---	34.93	35.05	34.45	34.65	35.12	35.34	35.21	35.00
22	35.64	35.62	35.74	---	34.92	34.90	34.42	35.04	35.21	35.38	35.04	35.19
23	35.59	35.49	35.60	---	34.93	34.86	34.39	34.83	35.35	35.59	35.00	35.79
24	35.55	35.45	35.56	---	34.99	34.99	34.57	34.78	35.32	35.47	35.43	35.56
25	35.47	35.51	35.68	---	35.03	34.83	34.64	34.86	35.35	35.37	35.11	35.20
26	35.60	35.55	35.78	---	35.02	35.28	34.69	34.89	35.33	35.38	35.04	35.16
27	35.60	35.41	35.84	---	35.03	35.02	34.54	34.95	35.18	35.38	35.04	35.11
28	35.61	35.43	35.68	---	35.07	35.12	34.73	34.79	35.22	35.34	35.11	35.11
29	35.79	35.72	35.69	---	---	35.02	35.08	34.83	35.30	35.36	35.07	35.15
30	35.61	35.90	35.57	---	---	34.85	34.79	34.82	35.36	35.32	35.06	35.48
31	35.59	---	35.58	---	---	34.91	---	34.84	---	35.22	35.11	---
MEAN	35.54	35.54	35.63			35.00	34.64	34.75	35.27	35.29	35.25	35.14
MAX	35.80	35.90	35.88			35.28	35.08	35.04	36.09	35.59	35.47	35.79
MIN	35.30	35.38	35.41			34.83	34.39	34.54	34.88	34.98	35.00	34.96

## HYDROGRAPH



## HORRY COUNTY

335115079033500. Local number, HO-307.

LOCATION.--Lat 33°50'58", long 79°03'27", Hydrologic Unit 03040206, 0.75 mi (1.2 km) northeast from Intersection 701 &amp; 501, and at Collins Park in Conway.

Owner: City of Conway.

AQUIFER.--Sands of Pee Dee and Black Creek Formation.

WELL CHARACTERISTICS.--Drilled unused municipal artesian well, diameter 8 in (20.3 cm), depth 438 ft (134 m) exact screen placement unknown.

DATUM.--Land-surface datum is 20 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.30 m) above land-surface datum.

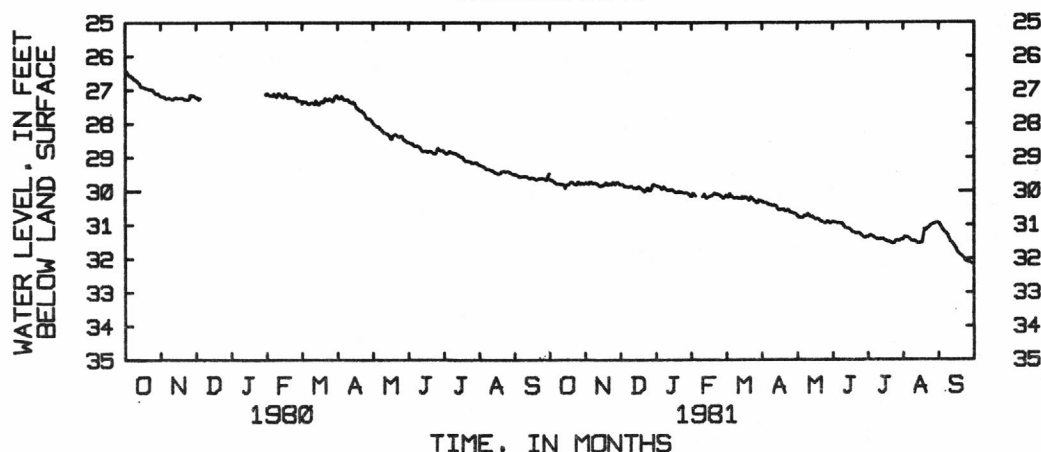
PERIOD OF RECORD.--May 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 11.91 ft (3.63 m) below land-surface datum, Oct. 12, 1974; lowest, 32.16 ft (9.80 m) below land-surface datum, Sept. 30, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.64	29.73	29.81	29.83	30.06	30.16	30.28	30.69	30.91	31.35	31.44	30.94
2	29.67	29.76	29.79	29.87	30.09	30.12	30.30	30.74	30.91	31.35	31.41	30.97
3	29.68	29.78	29.83	29.87	30.13	30.18	30.34	30.78	30.93	31.34	31.35	31.03
4	29.71	29.72	29.87	29.88	---	30.18	30.35	30.77	30.93	31.31	31.36	31.09
5	29.74	29.71	29.87	29.94	---	30.07	30.33	30.77	30.94	31.32	31.37	31.15
6	29.77	29.76	29.87	29.91	---	30.14	30.35	30.78	30.94	31.34	31.38	31.20
7	29.77	29.76	29.88	29.86	---	30.17	30.40	30.77	30.94	31.36	31.40	31.23
8	29.76	29.75	29.87	29.93	---	30.20	30.40	30.72	30.95	31.39	31.44	31.26
9	29.77	29.76	29.86	29.95	30.16	30.20	30.40	30.74	30.95	31.41	31.48	31.31
10	29.79	29.76	29.85	29.97	30.15	30.19	30.43	30.72	30.97	31.43	31.48	31.38
11	29.78	29.80	29.89	29.97	30.08	30.18	30.43	30.67	31.02	31.44	31.47	31.45
12	29.79	29.83	29.91	29.97	30.18	30.21	30.41	30.71	31.08	31.42	31.49	31.51
13	29.82	29.85	29.90	29.94	30.20	30.20	30.43	30.76	31.10	31.42	31.52	31.55
14	29.90	29.84	29.92	29.95	30.17	30.22	30.46	30.76	31.11	31.42	31.55	31.60
15	29.80	29.81	29.90	29.99	30.16	30.23	30.52	30.75	31.11	31.41	31.55	31.64
16	29.80	29.82	29.86	30.02	30.14	30.16	30.56	30.80	31.12	31.44	31.54	31.70
17	29.78	29.79	29.89	30.04	30.13	30.21	30.54	30.83	31.15	31.46	31.51	31.77
18	29.75	29.74	29.93	30.03	30.12	30.17	30.53	30.82	31.19	31.48	31.52	31.82
19	29.71	29.81	29.94	30.03	30.08	30.18	30.54	30.81	31.22	31.50	31.32	31.87
20	29.72	29.81	29.98	30.00	30.05	30.22	30.52	30.83	31.23	31.51	31.11	31.89
21	29.76	29.76	30.02	30.03	30.07	30.27	30.57	30.86	31.25	31.50	31.15	31.92
22	29.78	29.80	30.00	30.02	30.10	30.25	30.59	30.90	31.26	31.52	31.09	31.94
23	29.80	29.79	29.93	30.04	30.09	30.17	30.57	30.91	31.25	31.56	31.09	31.98
24	29.77	29.73	29.90	30.06	30.10	30.21	30.54	30.92	31.25	31.56	31.05	32.05
25	29.71	29.76	29.97	30.06	30.14	30.25	30.59	30.94	31.27	31.54	31.01	32.08
26	29.77	29.81	29.98	30.04	30.17	30.29	30.63	30.95	31.29	31.48	30.98	32.10
27	29.78	29.74	29.92	30.04	30.20	30.30	30.63	30.93	31.33	31.45	30.96	32.11
28	29.74	29.74	29.83	30.08	30.19	30.35	30.64	30.89	31.37	31.46	30.95	32.10
29	29.77	29.76	29.80	30.11	---	30.33	30.66	30.92	31.39	31.47	30.94	32.13
30	29.77	29.81	29.82	30.15	---	30.26	30.67	30.95	31.38	31.45	30.92	32.16
31	29.75	---	29.83	30.15	---	30.29	---	30.94	---	31.43	30.92	---
MEAN	29.76	29.78	29.89	29.99		30.21	30.49	30.82	31.12	31.44	31.28	31.63
MAX	29.90	29.85	30.02	30.15		30.35	30.67	30.95	31.39	31.56	31.55	32.16
MIN	29.64	29.71	29.79	29.83		30.07	30.28	30.67	30.91	31.31	30.92	30.94

## HYDROGRAPH



## GROUND WATER LEVELS

## HORRY COUNTY

335242078365000 (revised). Local number, HO-315.

LOCATION.--Lat 33°52'42", long 78°36'50" (revised), Hydrologic Unit 03040207, off U.S. Hwy 17 in Little River on Luck Street at water tank.

Owner: Little River Water & Sewage Co., Inc.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled municipal artesian well, diameter 8 in (20.3 cm), depth 692 ft (211 m), cased 0-500 ft (0-152 m), screened from 500-570 ft (152-174 cm), 660-690 ft (201-210 m).

DATUM.--Land-surface datum is 40 ft (12.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.

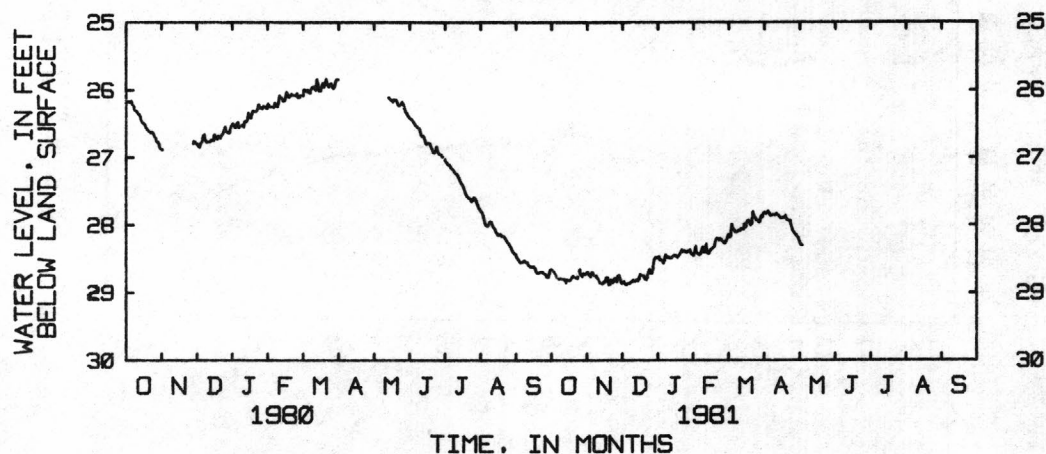
PERIOD OF RECORD.--June 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 19.57 ft (5.96 m) below land-surface datum, June 19, 20, 1977; lowest, 28.88 ft (8.80 m) below land-surface datum, Nov. 19, 20, 1980, Dec. 4, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.65	28.69	28.85	28.46	28.40	28.20	27.82	28.19				
2	28.67	28.73	28.83	28.51	28.31	28.14	27.81	28.24				
3	28.69	28.76	28.87	28.51	28.41	28.18	27.83	28.29				
4	28.72	28.70	28.88	28.52	28.42	28.16	27.82	28.30				
5	28.76	28.70	28.86	28.56	28.44	27.98	27.79	---				
6	28.79	28.74	28.86	28.51	28.42	28.05	27.82	---				
7	28.80	28.75	28.86	28.43	28.37	28.07	27.86	---				
8	28.79	28.75	28.84	28.48	28.32	28.10	27.85	---				
9	28.79	28.78	28.83	28.46	28.40	28.10	27.84	---				
10	28.80	28.80	28.81	28.48	28.39	28.09	27.85	---				
11	28.80	28.84	28.83	28.48	28.28	28.07	27.85	---				
12	28.80	28.86	28.82	28.48	28.41	28.08	27.83	---				
13	28.85	28.87	28.80	28.46	28.42	28.05	27.85	---				
14	28.80	28.86	28.82	28.44	28.38	28.06	27.86	---				
15	28.81	28.83	28.79	28.44	28.36	28.06	27.88	---				
16	28.82	28.84	28.72	28.45	28.34	27.97	27.90	---				
17	28.81	28.77	28.74	28.47	28.33	28.03	27.89	---				
18	28.78	28.78	28.75	28.45	28.31	27.95	27.89	---				
19	28.75	28.88	28.75	28.43	28.24	27.92	27.89	---				
20	28.77	28.88	28.79	28.40	28.19	27.95	27.86	---				
21	28.78	28.80	28.81	28.36	28.20	28.00	27.91	---				
22	28.78	28.85	28.78	28.39	28.22	27.97	27.93	---				
23	28.79	28.84	28.69	28.37	28.20	27.80	27.94	---				
24	28.71	28.78	28.65	28.38	28.21	27.86	27.93	---				
25	28.65	28.80	28.71	28.40	28.24	27.89	28.01	---				
26	28.74	28.84	28.71	28.39	28.25	27.93	28.07	---				
27	28.76	28.74	28.64	28.37	28.27	27.93	28.10	---				
28	28.71	28.74	28.51	28.36	28.24	27.96	28.13	---				
29	28.73	28.80	28.47	28.41	---	27.94	28.15	---				
30	28.72	28.86	28.48	28.43	---	27.86	28.17	---				
31	28.69	---	28.47	28.45	---	27.88	---	---				
MEAN	28.76	28.80	28.75	28.44	28.32	28.01	27.91					
MAX	28.85	28.88	28.88	28.56	28.44	28.20	28.17					
MIN	28.65	28.69	28.47	28.36	28.19	27.80	27.79					

## HYDROGRAPH



## HORRY COUNTY

334248078553300. Local number, HO-432.

LOCATION.--Lat 33°42'48", long 78°55'33", Hydrologic Unit 03040207, 100 yards southwest of U.S. Hwy 501 bridge on Intracoastal Waterway at Myrtle Beach and at Van Smith Lumber Co.

Owner: Van Smith.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled unused private well, diameter 4 in (10.2 cm), depth 512 ft (156 m), cased 0-462 ft (1.41 m), screened from 462-482 ft (141-147 m), 2 in (5.1 cm) screened from 482-512 ft (147-156 m).

DATUM.--Land-surface datum is 30 ft (9.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.1 ft (0.03 m) above land-surface datum.

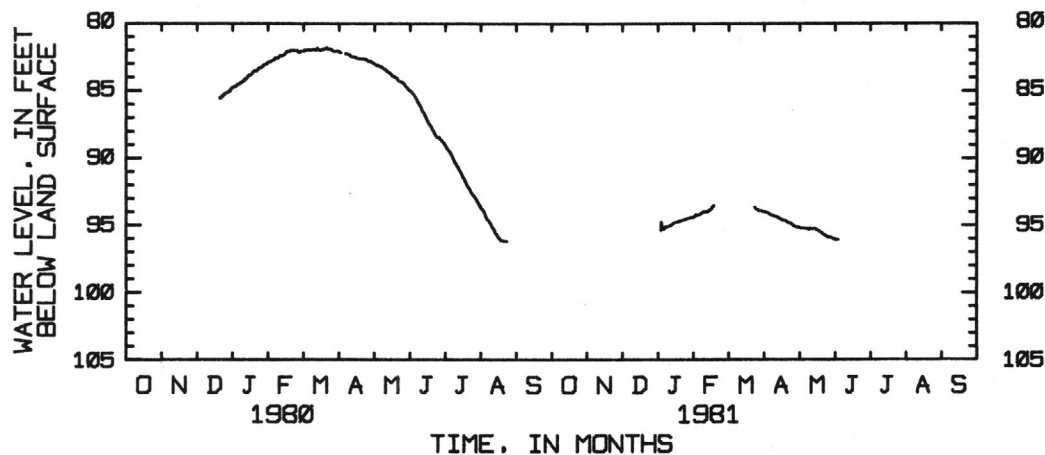
PERIOD OF RECORD.--June 1977 to January 1979.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 68.18 ft (20.78 m) below land-surface datum, June 16, 1977; lowest, 102.35 ft (31.19 m) below land-surface datum, Aug. 5, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---		---	94.36	---	94.02	95.23	96.12	---	102.16	
2		---		95.43	94.26	---	94.06	95.28	96.17	---	102.21	
3		---		94.82	94.33	---	94.10	95.31	96.13	---	102.26	
4		---		95.29	94.27	---	94.13	95.32	96.13	---	102.35	
5		---		95.36	94.26	---	94.15	95.32	---	---	---	
6		---		95.27	94.18	---	94.24	95.32	---	---	---	
7		---		95.17	94.12	---	94.29	95.33	---	---	---	
8		---		95.16	94.05	---	94.33	95.31	---	---	---	
9		---		95.11	94.09	---	94.36	95.35	---	---	---	
10		---		95.11	94.02	---	94.40	95.39	---	---	---	
11		---		95.07	94.02	---	94.41	95.30	---	---	---	
12		---		95.01	94.05	---	94.45	95.35	---	---	---	
13		---		94.93	93.93	---	94.50	95.36	---	---	---	
14		---		94.88	93.88	---	94.52	95.34	---	---	---	
15		---		94.81	93.82	---	94.60	95.32	---	---	---	
16		---		94.79	93.68	---	94.64	95.40	---	---	---	
17		97.17		94.82	93.61	---	94.68	95.46	---	---	---	
18		97.15		94.75	---	---	94.72	95.49	---	---	---	
19		97.16		94.72	---	---	94.74	95.54	---	---	---	
20		---		94.72	---	---	94.73	95.61	---	---	---	
21		---		94.67	---	---	94.81	95.66	---	---	---	
22		---		94.67	---	---	94.88	95.74	---	---	---	
23		---		94.63	---	---	94.93	95.81	---	---	---	
24		---		94.60	---	93.72	94.93	95.85	---	---	---	
25		---		94.56	---	93.78	95.00	95.90	---	---	---	
26		---		94.54	---	93.86	95.08	95.95	---	---	---	
27		---		94.52	---	93.90	95.15	95.97	---	---	---	
28		---		94.48	---	93.97	95.19	95.96	---	---	---	
29		---		94.48	---	93.99	95.22	96.03	---	---	---	
30		---		94.46	---	93.96	95.22	96.05	---	---	---	
31		---		94.43	---	94.05	---	96.10	---	102.09	---	
MEAN							94.62	95.56				
MAX							95.22	96.10				
MIN							94.02	95.23				

## HYDROGRAPH





## HORRY COUNTY

334747078435400. Local number, HO-433.

LOCATION.--Lat 33°47'47", long 78°43'54", Hydrologic Unit 03040207, Windy Hill road at Park.

Owner: City of North Myrtle Beach.

AQUIFER.--Pee Dee and Black Creek Formation.

WELL CHARACTERISTICS.--Drilled municipal artesian well, diameter 4 in (10.2 cm). Casing and screen unknown.

DATUM.--Land-surface datum is 20 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point is at land-surface datum.

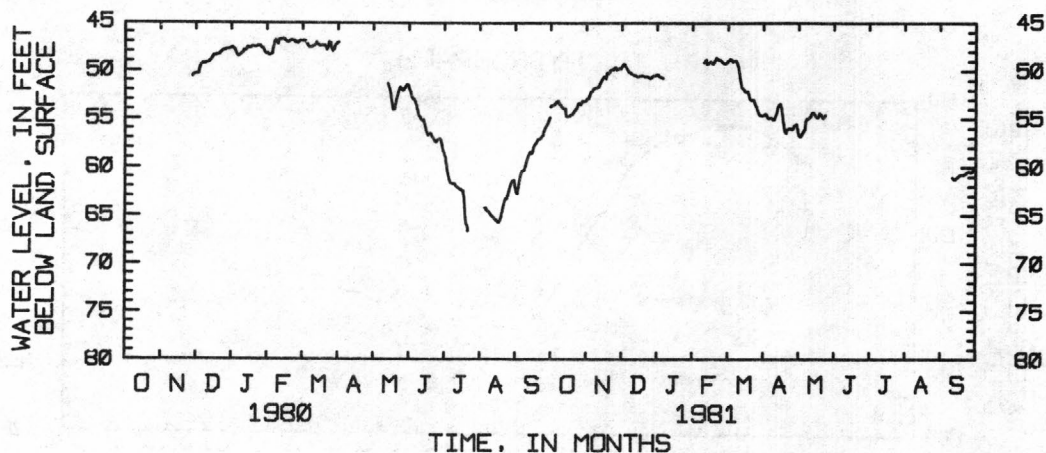
PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.17 ft (11.025 m) below land-surface datum, Dec. 16, 1977; lowest, 66.32 ft (20.214 m) below land-surface datum, July 21, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53.83	52.94	49.63	50.55	---	49.26	54.76	56.11	---	---	65.41	---
2	53.63	52.93	49.39	50.72	---	49.08	54.70	56.78	---	---	65.55	---
3	53.61	52.65	49.44	50.75	---	49.03	54.57	56.93	---	---	65.70	---
4	53.56	52.30	49.66	50.82	---	48.89	54.69	56.87	---	---	---	---
5	53.40	52.20	49.90	50.86	---	48.96	54.93	56.66	---	---	---	---
6	53.24	52.00	50.09	---	---	49.15	55.07	56.43	---	---	---	---
7	53.23	51.90	50.26	---	---	49.07	54.97	56.22	---	---	---	---
8	53.49	51.80	50.34	---	---	49.05	55.00	55.34	---	---	---	---
9	53.66	51.83	50.44	---	49.20	49.02	55.11	55.02	---	---	---	---
10	53.86	51.73	50.54	---	49.13	49.30	55.20	55.02	---	---	---	---
11	53.99	51.68	50.61	---	48.93	49.70	55.16	54.90	---	---	---	61.14
12	54.07	51.37	50.61	---	49.42	50.41	54.81	54.82	---	---	---	61.23
13	54.04	51.11	50.66	---	49.33	51.22	54.39	54.58	---	---	---	61.32
14	54.85	50.91	50.75	---	49.22	51.80	53.92	54.40	---	---	---	61.30
15	54.89	50.73	50.72	---	49.13	51.97	53.65	54.44	---	---	---	61.16
16	54.82	50.65	50.64	---	49.23	52.12	53.51	54.65	---	---	---	61.04
17	54.77	50.91	50.62	---	49.38	52.30	53.94	54.88	---	---	---	60.96
18	54.66	50.34	50.59	---	49.21	52.23	54.71	54.95	---	---	---	60.82
19	54.60	50.35	50.67	---	48.99	52.29	55.60	54.85	---	---	---	60.79
20	54.45	50.19	50.71	---	48.76	52.56	56.35	54.50	---	---	---	60.81
21	54.28	49.99	50.72	---	48.88	53.00	56.57	54.60	---	---	---	60.80
22	54.13	49.95	50.73	---	49.00	53.16	56.19	54.78	---	---	---	60.72
23	53.94	49.96	50.76	---	49.02	53.09	56.13	55.00	---	---	---	60.63
24	53.57	49.78	50.83	---	48.98	53.14	56.07	54.90	---	---	---	60.55
25	53.40	49.72	50.91	---	49.19	53.43	56.05	54.68	---	---	---	60.49
26	53.60	49.98	50.80	---	49.32	53.69	56.19	---	---	---	---	60.47
27	53.43	49.90	50.70	---	49.37	53.98	56.05	---	---	---	---	60.55
28	53.19	49.80	50.59	---	49.32	54.41	55.76	---	---	---	---	60.52
29	53.23	49.86	50.59	---	---	54.70	55.73	---	---	---	---	60.43
30	53.26	49.85	50.57	---	---	54.74	55.65	---	---	---	---	60.28
31	53.15	---	50.51	---	---	54.76	---	---	---	65.32	---	---
MEAN	53.87	50.98	50.45	---	---	51.60	55.18	---	---	---	---	---
MAX	54.89	52.94	50.91	---	---	54.76	56.57	---	---	---	---	---
MIN	53.15	49.72	49.39	---	---	48.89	53.51	---	---	---	---	---

## HYDROGRAPH





## JASPER COUNTY

323111080592000. Local number, JAS-144.

LOCATION.--Lat 32°31'11", long 80°59'20", Hydrologic Unit 03050208, 3.5 mi (5.6 km) northwest of Ridgeland, 200 ft (0.1 m) north of state road 175, 0.1 mi (0.2 km) east of the intersection of state road 39 and state road 175 and 1.6 mi (2.6 km) west of the intersection of state road 175 and U.S. hwy 17.

Owner: Ted Roach.

AQUIFER.--Hawthorne Formation.

WELL CHARACTERISTICS.--Drilled unused privately owned artesian well, diameter 4 in (10.3 cm), depth 189 ft (57.6 m) cased to 104 ft (31.7 m), open hole to 189 ft (57.6 m).

DATUM.--Land-surface datum is 82 ft (25.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.6 ft (0.5 m) above land-surface datum.

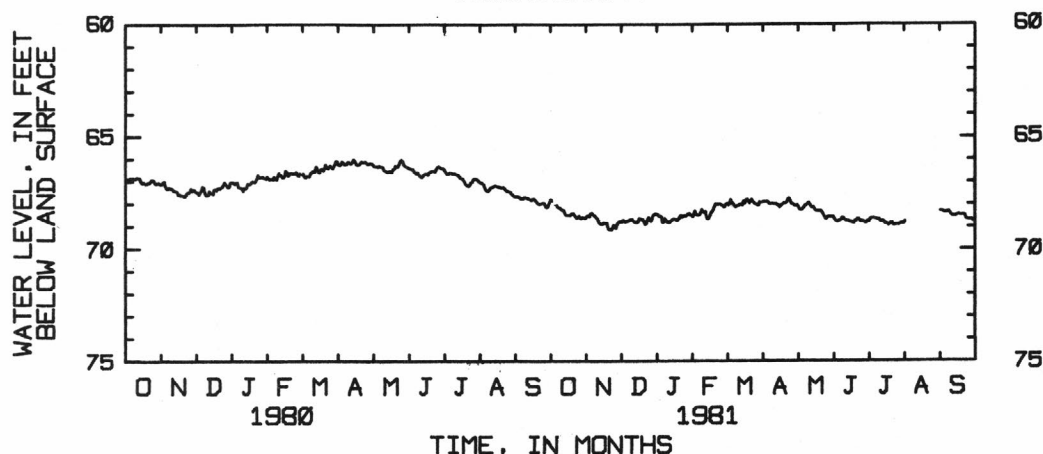
PERIOD OF RECORD.--February 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 64.78 ft (19.74 m) below land-surface datum, April 15, 1975; lowest, 69.16 ft (21.07 m) below land-surface datum, Nov. 22, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67.82	68.56	68.80	68.48	68.48	68.03	67.93	68.08	68.61	68.79	68.88	68.33
2	67.86	68.56	68.73	68.55	68.32	67.98	67.91	68.15	68.70	68.80	68.81	68.33
3	67.88	68.58	68.76	68.57	68.48	68.06	67.91	68.27	68.78	68.71	---	68.34
4	67.98	68.45	68.80	68.59	68.51	68.03	67.91	68.29	68.81	68.66	---	68.36
5	68.02	68.41	68.78	68.82	68.52	67.83	67.89	68.29	68.82	68.66	---	68.38
6	68.08	68.47	68.76	68.80	68.49	67.94	67.92	68.25	68.77	68.65	---	68.40
7	68.15	68.53	68.75	68.66	68.38	68.01	68.01	68.17	68.76	68.67	---	68.39
8	68.19	68.57	68.71	68.74	68.26	68.10	68.02	68.09	68.72	68.70	---	68.35
9	68.22	68.64	68.69	68.81	68.35	68.15	68.00	68.06	68.65	68.72	---	68.33
10	68.27	68.67	68.69	68.84	68.40	68.12	68.01	68.03	68.66	68.71	---	68.43
11	68.29	68.80	68.77	68.82	68.35	68.09	68.03	67.96	68.75	68.72	---	68.51
12	68.31	68.88	68.83	68.77	68.63	68.09	68.01	68.05	68.78	68.80	---	68.55
13	68.43	68.91	68.81	68.74	68.70	68.03	68.01	68.15	68.76	68.79	---	68.55
14	68.52	68.92	68.82	68.69	68.66	68.03	68.06	68.18	68.79	68.79	---	68.55
15	68.51	68.85	68.78	68.67	68.55	68.07	68.09	68.16	68.82	68.83	---	68.56
16	68.51	68.87	68.66	68.69	68.43	67.90	68.16	68.27	68.83	68.89	---	68.52
17	68.53	68.85	68.67	68.74	68.35	67.99	68.11	68.34	68.84	68.89	---	68.49
18	68.52	68.85	68.71	68.74	68.27	67.86	68.05	68.34	68.87	68.93	---	68.49
19	68.44	69.07	68.70	68.67	68.13	67.80	68.01	68.33	68.87	68.97	---	68.52
20	68.43	69.15	68.79	68.61	68.01	67.89	67.97	68.33	68.78	68.91	---	68.52
21	68.49	69.14	68.92	68.52	68.01	67.97	67.97	68.32	68.77	68.86	---	68.51
22	68.57	69.16	68.86	68.60	68.04	67.91	67.95	68.39	68.70	68.87	---	68.51
23	68.64	69.09	68.73	68.54	68.01	67.82	67.84	68.46	68.70	68.96	---	68.56
24	68.62	68.95	68.62	68.51	68.01	67.92	67.76	68.57	68.78	68.95	---	68.69
25	68.55	69.02	68.70	68.55	68.08	67.97	67.85	68.67	68.81	68.94	---	68.71
26	68.66	69.10	68.78	68.52	68.09	68.03	68.00	68.70	68.79	68.93	---	68.72
27	68.67	68.90	68.67	68.45	68.15	68.04	68.02	68.60	68.81	68.94	---	68.71
28	68.61	68.82	68.51	68.42	68.14	68.08	68.06	68.59	68.85	68.94	---	68.71
29	68.64	68.79	68.46	68.52	---	68.07	68.11	68.59	68.87	68.90	---	68.74
30	68.66	68.79	68.45	68.52	---	67.92	68.12	68.59	68.84	68.88	---	68.77
31	68.64	---	68.48	68.58	---	67.94	---	68.59	---	68.88	---	---
MEAN	68.38	68.81	68.72	68.64	68.31	67.99	67.99	68.32	68.78	68.83		68.52
MAX	68.67	69.16	68.92	68.84	68.70	68.15	68.16	68.70	68.87	68.97		68.77
MIN	67.82	68.41	68.45	68.42	68.01	67.80	67.76	67.96	68.61	68.65		68.33

## HYDROGRAPH



## LEE COUNTY

341405080110100. Local number, LE-23.

LOCATION.--Lat 34°14'05", long 80°11'01", Hydrologic unit 03040202, 395 ft (120.4 m) east and 450 ft (137.2 m) north of the cemetery near Way Side Church and SC-31-22 near Bishopville.

Owner: Robert W. Merck.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled open hole well, diameter 4 in (10.2 cm), depth 350 ft (106.7 m), cased to 350 ft (106.7 m).

DATUM.--Land surface datum is 205 ft (62.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3 ft (0.91 m) above land-surface datum.

REMARKS.--Gamma log, June 3, 1977, depth 350 ft (106.7 m).

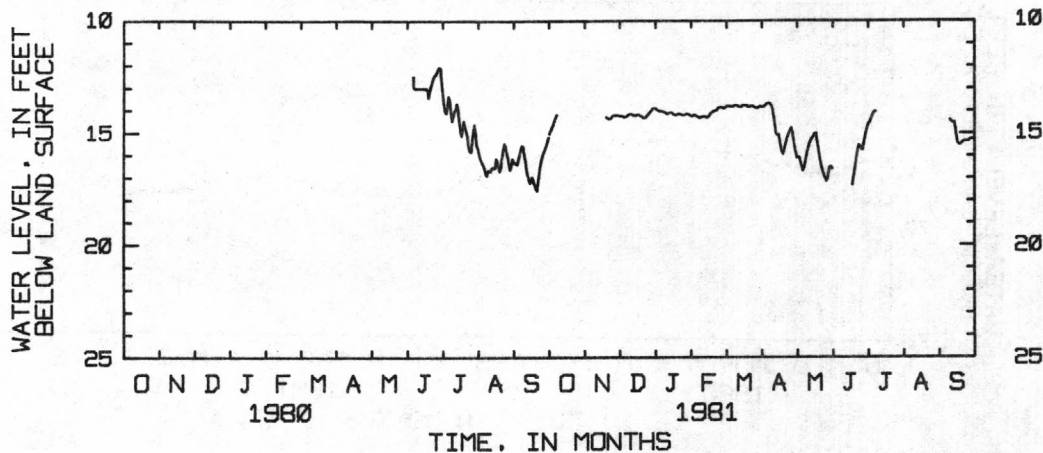
PERIOD OF RECORD.--Current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 13.71 ft (4.18 m) below land-surface datum, April 7, 1981; lowest, 17.37 ft (5.29 m) below land-surface datum, June 18, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.05	---	14.27	13.97	14.28	13.89	13.86	15.93	16.63	14.82	---	---
2	14.90	---	14.24	14.01	14.24	13.83	13.87	16.15	---	14.66	---	---
3	14.76	---	14.29	14.06	14.24	13.82	13.86	16.11	---	14.57	---	---
4	14.64	---	14.31	14.07	14.27	13.83	13.83	16.14	---	14.45	---	---
5	14.48	---	14.32	14.07	14.31	13.84	13.78	16.32	---	14.32	---	---
6	14.32	---	14.30	14.08	14.34	13.85	13.73	16.54	---	14.20	---	---
7	14.22	---	14.26	14.10	14.37	13.85	13.71	16.72	---	14.11	---	---
8	---	---	14.21	14.12	14.34	13.83	13.72	16.58	---	14.07	---	---
9	---	---	14.18	14.16	14.30	13.81	13.76	16.34	---	---	---	---
10	---	---	14.18	14.18	14.30	13.80	13.82	16.06	---	---	---	14.47
11	---	---	14.19	14.17	14.30	13.81	13.99	15.79	---	---	---	14.52
12	---	---	14.23	14.13	14.31	13.83	14.34	15.58	---	---	---	14.57
13	---	---	14.25	14.12	14.34	13.85	14.70	15.43	---	---	---	14.59
14	---	---	14.25	14.13	14.33	13.86	15.06	15.32	---	---	---	14.59
15	---	---	14.23	14.17	14.28	13.85	15.14	15.24	---	---	---	14.81
16	---	---	14.21	14.21	14.19	13.81	15.10	15.16	---	---	---	15.17
17	---	---	14.22	14.24	14.12	13.80	15.35	15.06	---	---	---	15.46
18	---	14.34	14.26	14.23	14.08	13.81	15.64	15.04	17.37	---	---	15.55
19	---	14.35	14.29	14.20	14.06	13.81	15.85	15.35	17.16	---	---	15.56
20	---	14.39	14.33	14.18	14.03	13.84	15.98	15.67	16.84	---	---	15.51
21	---	14.40	14.36	14.19	14.02	13.87	15.80	16.00	16.48	---	---	15.45
22	---	14.40	14.36	14.21	13.97	13.87	15.56	16.31	16.10	---	---	15.41
23	---	14.36	14.32	14.23	13.91	13.84	15.35	16.58	15.79	---	---	15.39
24	---	14.28	14.26	14.24	13.88	13.83	15.18	16.76	15.57	---	---	15.38
25	---	14.25	14.19	14.23	13.87	13.85	15.05	16.90	15.64	---	---	15.38
26	---	14.24	14.13	14.20	13.88	13.87	14.92	17.04	15.75	---	---	15.38
27	---	14.25	14.07	14.18	13.90	13.91	14.81	17.18	15.78	---	---	15.35
28	---	14.25	14.00	14.19	13.92	13.93	15.00	17.08	15.56	---	---	15.30
29	---	14.25	13.94	14.21	---	13.92	15.35	16.81	15.29	---	---	15.29
30	---	14.26	13.91	14.25	---	13.87	15.67	16.55	15.04	---	---	15.29
31	---	---	13.92	14.28	---	13.85	---	16.52	---	---	---	---
MEAN			14.21	14.16	14.16	13.85	14.73	16.14				
MAX			14.36	14.28	14.37	13.93	15.98	17.18				
MIN			13.91	13.97	13.87	13.80	13.71	15.04				

## HYDROGRAPH



## GROUND WATER LEVELS

307

## LEXINGTON COUNTY

335250081102501. Local number, LEX-79.

LOCATION.--Lat 33°52'50", long 81°10'25", Hydrologic Unit 03050110, 2.0 mi (3.2 km) southwest of South Congaree off State Hwy 302 and 215 at Pennsylvania Sand and Glass Co.

Owner: Pennsylvania Sand and Glass Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused industrial and observation artesian well, diameter 6 in (15.38 cm), depth 252 ft (76.8 m), cased to 250 ft (76.2 m).

DATUM.--Land-surface datum is 376 ft (114.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder platform, 5.10 ft (1.55 m) above land-surface datum.

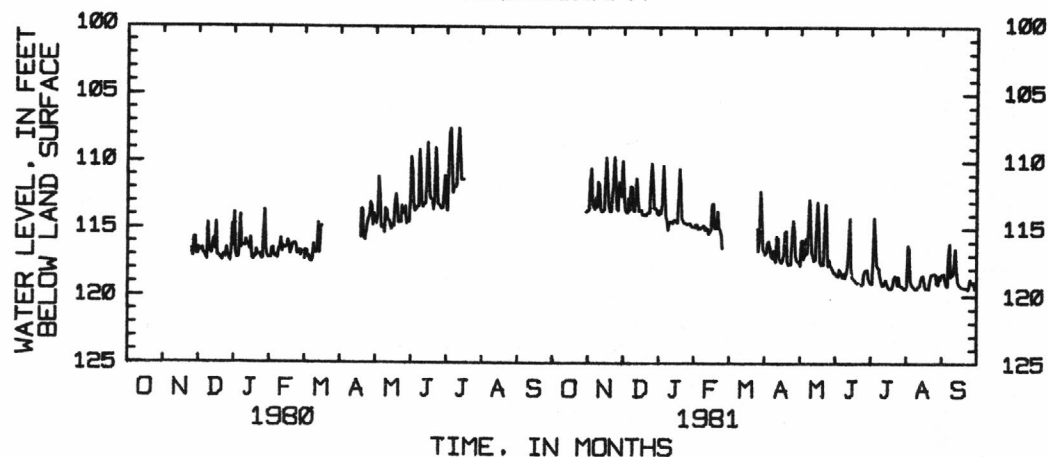
PERIOD OF RECORD.--1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 100.31 ft (30.58 m) below land-surface datum, Sept. 9, 1973; lowest, 119.53 ft (36.43 m) below land-surface datum, Sept. 24, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	113.63	111.76	113.71	114.75	---	116.73	117.59	118.28	118.96	119.47	118.46
2	---	111.75	113.52	113.94	114.76	---	116.96	117.76	118.43	119.06	119.27	118.37
3	---	110.62	113.87	113.14	115.05	---	116.82	115.99	118.57	119.12	116.27	118.32
4	---	113.23	113.89	110.40	114.98	---	116.15	115.88	118.59	117.07	116.48	118.83
5	---	113.44	112.80	112.04	115.05	---	115.98	117.30	118.04	114.23	118.80	119.20
6	---	113.65	113.72	114.11	114.96	---	116.41	117.01	118.23	115.91	119.11	119.27
7	---	112.76	111.94	114.49	114.86	---	117.06	115.79	118.55	117.73	119.28	117.15
8	---	113.47	112.00	115.19	114.83	---	117.23	116.88	118.64	117.89	119.37	116.17
9	---	111.63	113.65	114.57	115.16	---	116.70	115.09	118.38	117.99	119.49	118.56
10	---	111.83	113.78	114.52	114.99	---	117.30	112.87	118.66	118.53	119.48	118.49
11	---	113.64	113.08	114.53	115.08	---	117.48	114.85	118.36	118.93	119.47	118.37
12	---	113.83	111.34	114.66	115.47	---	115.64	116.78	117.85	119.21	119.30	117.85
13	---	113.77	112.86	114.42	115.30	---	115.75	117.15	116.30	119.22	119.26	116.56
14	---	113.65	113.77	114.40	115.14	---	117.20	117.40	114.27	118.99	118.84	118.17
15	---	111.68	113.71	114.51	113.26	---	117.42	117.33	117.97	118.83	118.54	118.91
16	---	109.77	113.71	114.60	113.15	---	117.56	115.15	118.64	119.12	118.48	119.17
17	---	111.76	114.01	112.88	114.92	---	117.38	113.07	118.74	119.36	118.95	119.25
18	---	113.37	114.05	110.61	115.06	---	117.01	114.95	118.84	119.48	119.43	119.37
19	---	113.78	114.06	111.85	115.03	---	115.31	117.54	118.96	119.46	119.41	119.39
20	---	113.79	114.08	114.23	113.78	---	115.20	117.72	119.06	119.42	119.44	119.41
21	---	112.66	113.94	114.50	114.98	---	117.49	117.51	119.07	119.22	119.49	119.41
22	---	111.95	113.84	114.66	115.19	---	117.70	117.71	119.10	118.72	118.89	119.43
23	---	109.76	113.85	114.64	115.51	---	117.64	115.34	119.19	118.50	118.47	119.46
24	---	111.53	111.94	114.71	116.49	---	117.66	113.22	119.19	118.60	118.38	119.53
25	---	113.53	110.21	114.74	---	---	116.08	115.25	119.12	119.17	118.37	119.33
26	---	113.74	111.54	114.69	---	115.08	114.43	117.81	118.36	118.60	118.34	118.79
27	---	111.62	113.57	114.68	---	116.73	115.19	117.36	118.11	119.19	118.42	119.01
28	---	111.81	113.57	114.84	---	115.73	117.07	117.75	118.10	119.30	119.04	119.11
29	113.80	112.68	113.68	114.95	---	112.28	117.42	117.91	118.04	119.30	119.18	118.97
30	113.77	110.05	113.96	114.95	---	113.99	117.50	118.07	118.71	119.43	118.51	119.43
31	113.68	---	114.03	115.00	---	116.53	---	118.30	---	119.52	118.79	---
MEAN		112.48	113.22	114.04			116.72	116.46	118.35	118.65	118.84	118.72
MAX		113.83	114.08	115.19			117.70	118.30	119.19	119.52	119.49	119.53
MIN		109.76	110.21	110.40			114.43	112.87	114.27	114.23	116.27	116.17

## HYDROGRAPH



## GROUND WATER LEVELS

## MARLBORO COUNTY

343715079411500. Local number, MLE-112.

LOCATION.--Lat 34°37'15", long 79°41'15", Hydrologic Unit 03040201, in Bennettsville at National Guard Armory.

Owner: Town of Bennettsville.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 8 in (20.5 cm), depth 345 ft (105.2 m), cased to 320 ft (97.6 m) perforated pipe 220-320 ft (67-97.6 m), screened 320-335 ft (97.6-102 m).

DATUM.--Land-surface datum is 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pad, 1.20 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--January 1972 to current year.

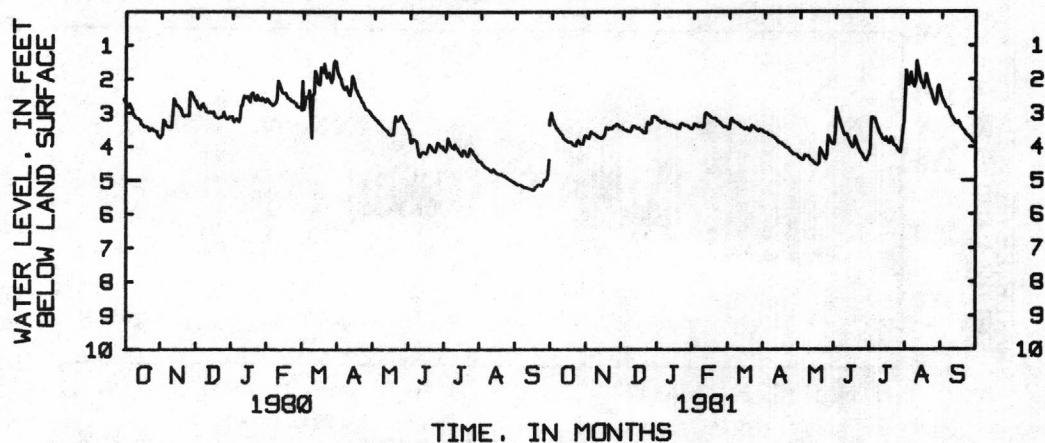
EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 0.85 ft (0.26 m) below land-surface datum, Feb. 2, 1973; lowest, 5.29 ft (1.61 m) below land-surface datum, Sept. 16, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.34	3.67	3.42	3.14	3.40	3.40	3.49	4.23	3.92	4.29	3.27	2.32
2	2.98	3.72	3.43	3.20	3.31	3.42	3.53	4.29	3.91	4.25	2.49	2.46
3	3.14	3.75	3.48	3.20	3.35	3.47	3.57	4.33	3.66	4.06	1.73	2.57
4	3.25	3.64	3.50	3.25	3.35	3.45	3.58	4.34	2.84	3.12	1.94	2.66
5	3.35	3.54	3.50	3.29	3.39	3.17	3.58	4.37	2.97	3.11	2.15	2.73
6	3.43	3.59	3.52	3.27	3.38	3.13	3.62	4.39	3.10	3.18	2.12	2.80
7	3.47	3.60	3.53	3.24	3.36	3.20	3.65	4.35	3.24	3.13	1.79	2.85
8	3.51	3.62	3.54	3.29	3.35	3.25	3.66	4.24	3.34	3.26	1.99	2.85
9	3.56	3.65	3.54	3.31	3.43	3.27	3.67	4.28	3.43	3.36	2.14	2.90
10	3.61	3.67	3.45	3.34	3.39	3.29	3.70	4.28	3.54	3.47	2.22	3.00
11	3.64	3.71	3.37	3.34	3.02	3.31	3.72	4.27	3.65	3.57	2.08	3.08
12	3.71	3.72	3.37	3.37	2.97	3.35	3.74	4.34	3.64	3.63	1.46	3.13
13	3.76	3.74	3.40	3.36	3.01	3.35	3.79	4.39	3.62	3.70	1.65	3.19
14	3.79	3.73	3.44	3.36	3.04	3.41	3.81	4.42	3.71	3.77	1.83	3.25
15	3.82	3.70	3.44	3.39	3.07	3.43	3.86	4.44	3.81	3.78	1.99	3.30
16	3.85	3.67	3.43	3.41	3.10	3.42	3.88	4.49	3.88	3.82	2.10	3.31
17	3.86	3.60	3.48	3.44	3.13	3.48	3.88	4.52	3.96	3.71	2.15	3.24
18	3.86	3.41	3.50	3.43	3.15	3.45	3.89	4.53	4.02	3.80	2.26	3.30
19	3.85	3.47	3.52	3.44	3.13	3.42	3.94	4.54	3.96	3.88	2.10	3.38
20	3.90	3.47	3.57	3.45	3.14	3.47	3.96	4.48	3.69	3.88	1.83	3.44
21	3.94	3.42	3.59	3.32	3.21	3.51	4.01	4.03	3.80	3.71	1.99	3.50
22	3.96	3.44	3.57	3.30	3.24	3.49	4.03	4.11	3.92	3.81	2.12	3.54
23	3.97	3.44	3.33	3.31	3.25	3.36	4.02	4.18	4.04	3.91	2.26	3.59
24	3.84	3.40	3.24	3.34	3.29	3.38	4.05	4.25	4.12	3.96	2.33	3.65
25	3.79	3.35	3.32	3.37	3.33	3.42	4.11	4.32	4.18	3.98	2.45	3.68
26	3.88	3.37	3.31	3.36	3.36	3.46	4.15	4.37	4.22	4.03	2.57	3.72
27	3.91	3.31	3.28	3.37	3.40	3.48	4.18	4.26	4.29	4.09	2.66	3.75
28	3.89	3.32	3.08	3.40	3.39	3.53	4.22	3.65	4.35	4.14	2.75	3.80
29	3.91	3.36	3.07	3.44	---	3.53	4.23	3.73	4.40	4.17	2.67	3.86
30	3.78	3.41	3.11	3.46	---	3.47	4.24	3.81	4.39	3.88	2.26	3.88
31	3.65	---	3.12	3.46	---	3.50	---	3.88	---	3.50	2.17	---
MEAN	3.68	3.55	3.40	3.34	3.25	3.40	3.86	4.26	3.79	3.74	2.18	3.22
MAX	3.97	3.75	3.59	3.46	3.43	3.53	4.24	4.54	4.40	4.29	3.27	3.88
MIN	2.98	3.31	3.07	3.14	2.97	3.13	3.49	3.65	2.84	3.11	1.46	2.32

WTR YR 1981 MEAN 3.47 HIGH 1.46 LOW 4.54

## HYDROGRAPH



## RICHLAND COUNTY

340335080583501. Local number, RIC-40.

LOCATION.--Lat 34°03'35", long 80°58'35", Hydrologic Unit 03050110, on Shakespeare Road in Dentsville, North of Columbia.

Owner: Shakespeare Manufacturing Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 6 in (15.38 cm), depth 245 ft (74.7 m), cased to 233 ft (71 m), screened 98-105 ft (30-32 m).

DATUM.--Land-surface datum is 390 ft (119 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.37 ft (0.11 m) above land-surface datum.

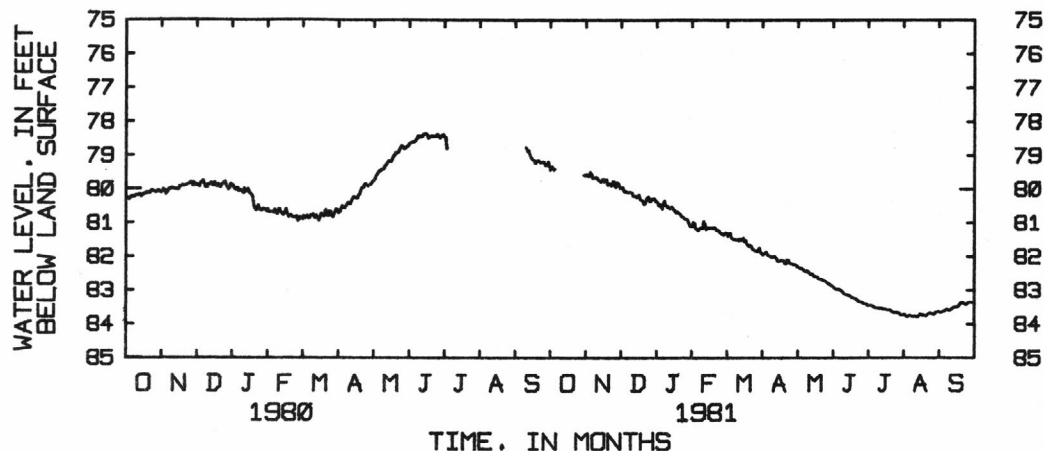
PERIOD OF RECORD.--1942-52, 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 76.03 ft (23.17 m) below land-surface datum, Oct. 17, 1975; lowest, 95.29 ft (29.04 m) below land-surface datum, April 6, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79.42	79.56	79.96	80.40	80.98	81.30	81.90	82.27	82.88	83.42	83.73	83.62
2	79.32	79.61	79.95	80.49	81.01	81.31	81.94	82.31	82.92	83.45	83.71	83.64
3	79.39	79.61	80.06	80.44	81.18	81.40	81.91	82.33	82.94	83.44	83.72	83.64
4	79.40	79.50	80.08	80.51	81.18	81.36	81.89	82.35	82.97	83.44	83.77	83.63
5	---	79.56	80.07	80.58	81.23	81.31	81.86	82.35	82.97	83.44	83.78	83.61
6	---	79.67	80.10	80.45	81.18	81.44	81.94	82.37	82.96	83.47	83.76	83.60
7	---	79.65	80.10	80.34	81.15	81.48	81.97	82.40	82.99	83.50	83.73	83.58
8	---	79.66	80.08	80.48	81.13	81.50	81.99	82.44	83.00	83.51	83.75	83.55
9	---	79.65	80.10	80.50	81.17	81.50	82.00	82.44	83.02	83.51	83.77	83.57
10	---	79.67	80.12	80.55	80.95	81.51	82.03	82.42	83.05	83.52	83.78	83.58
11	---	79.73	80.20	80.54	81.04	81.50	82.00	82.44	83.09	83.53	83.76	83.58
12	---	79.76	80.21	80.57	81.19	81.53	81.98	82.50	83.12	83.52	83.76	83.55
13	---	79.79	80.19	80.53	81.17	81.48	82.03	82.53	83.13	83.52	83.78	83.52
14	---	79.74	80.25	80.56	81.14	81.52	82.07	82.52	83.14	83.53	83.78	83.50
15	---	79.69	80.20	80.61	81.15	81.49	82.13	82.54	83.15	83.56	83.75	83.49
16	---	79.78	80.17	80.65	81.15	81.46	82.14	82.59	83.17	83.55	83.69	83.48
17	---	79.72	80.30	80.70	81.15	81.55	82.11	82.60	83.19	83.56	83.71	83.49
18	---	79.72	80.33	80.66	81.17	81.51	82.11	82.60	83.22	83.57	83.75	83.47
19	---	79.88	80.35	80.70	81.13	81.60	82.12	82.61	83.23	83.57	83.72	83.42
20	---	79.86	80.44	80.73	81.16	81.66	82.12	82.66	83.25	83.57	83.75	83.37
21	---	79.84	80.44	80.76	81.22	81.70	82.20	82.68	83.25	83.57	83.76	83.35
22	---	79.90	80.35	80.82	81.24	81.67	82.21	82.68	83.27	83.61	83.73	83.36
23	---	79.85	80.25	80.83	81.24	81.69	82.09	82.69	83.31	83.64	83.70	83.38
24	---	79.77	80.22	80.86	81.29	81.76	82.11	82.71	83.34	83.65	83.67	83.41
25	---	79.91	80.36	80.89	81.32	81.79	82.19	82.72	83.35	83.65	83.67	83.40
26	---	79.94	80.34	80.88	81.34	81.82	82.21	82.75	83.35	83.65	83.69	83.37
27	---	79.80	80.30	80.91	81.37	81.83	82.22	82.76	83.37	83.66	83.69	83.35
28	---	79.84	80.26	81.00	81.33	81.86	82.24	82.79	83.39	83.67	83.71	83.34
29	79.58	79.91	80.27	81.08	---	81.80	82.25	82.82	83.40	83.68	83.67	83.36
30	79.60	79.98	80.33	81.11	---	81.74	82.25	82.83	83.40	83.73	83.63	83.35
31	79.58	---	80.37	81.12	---	81.86	---	82.86	---	83.74	83.62	---
MEAN		79.75	80.22	80.69	81.18	81.58	82.07	82.57	83.16	83.56	83.73	83.49
MAX		79.98	80.44	81.12	81.37	81.86	82.25	82.86	83.40	83.74	83.78	83.64
MIN		79.50	79.95	80.34	80.95	81.30	81.86	82.27	82.88	83.42	83.62	83.34

## HYDROGRAPH





## GROUND WATER LEVELS

## RICHLAND COUNTY

340540081021508. Local number, RIC-309.

LOCATION.--Lat 34°05'40", long 81°02'15", Hydrologic Unit 03050106, north of Columbia off State road 423 at Lincolnshire subdivision.

Owner: Heater Utilities.

AQUIFER.--Fractures in crystalline rock.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 6 in (15.2 cm), depth 300 ft (91.4 m), cased to 90 ft (27. m), open hole below casing.

DATUM.--Land-surface datum is 260 ft (79 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.57 ft (0.17 m) above land-surface datum.

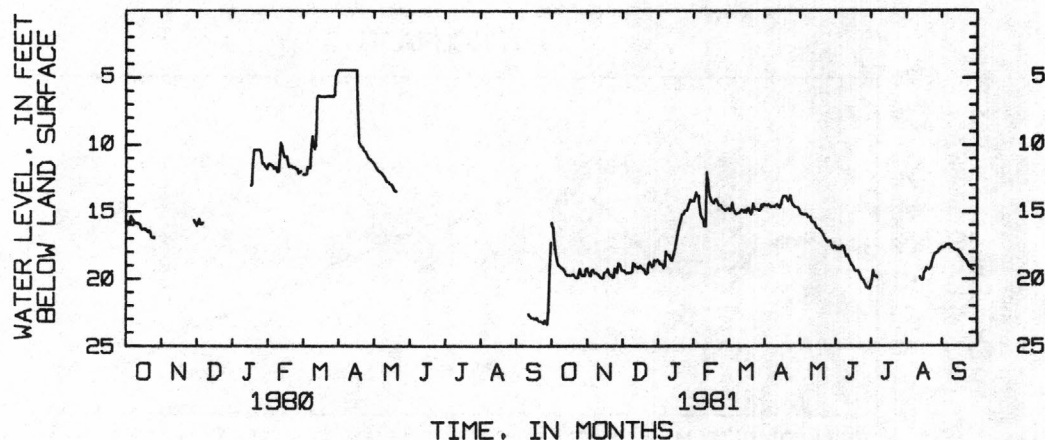
PERIOD OF RECORD.--1972-June 1975, September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 4.56 ft (1.39 m), below land-surface datum, Mar. 31, 1980; lowest, 44.83 ft (13.66 m) below land-surface datum, Dec. 30, 1973.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET). WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.88	19.45	19.41	18.73	14.03	14.82	14.49	14.86	17.59	20.78	---	17.71
2	16.24	19.67	19.39	18.92	13.64	14.81	14.55	15.06	17.71	20.46	---	17.67
3	17.29	19.81	19.53	18.91	13.89	15.01	14.62	15.20	17.83	20.12	---	17.67
4	18.00	19.40	19.60	18.95	13.86	14.95	14.63	15.26	17.75	19.38	---	17.63
5	18.53	19.35	19.56	19.19	14.75	14.41	14.51	15.29	17.86	19.84	---	17.52
6	18.91	19.54	19.57	19.04	15.34	14.90	14.60	15.30	17.84	19.81	---	17.46
7	19.05	19.58	19.59	18.01	15.56	15.07	14.73	15.26	17.67	19.92	---	17.49
8	19.11	19.61	19.53	18.25	15.65	15.23	14.69	15.31	17.60	---	---	17.45
9	19.21	19.68	19.47	18.24	16.13	15.20	14.67	15.49	17.70	---	---	17.56
10	19.31	19.74	18.87	18.28	16.16	15.19	14.70	15.46	18.05	---	---	17.72
11	19.34	19.86	18.94	18.53	12.13	15.13	14.65	15.46	18.35	---	---	17.78
12	19.49	19.94	19.13	18.65	12.72	15.06	14.51	15.69	18.27	---	---	17.86
13	19.68	19.98	19.12	18.46	13.65	14.93	14.58	15.84	18.43	---	19.89	17.92
14	19.75	19.93	19.23	18.12	14.00	14.98	14.72	15.88	18.66	---	20.03	17.91
15	19.76	19.59	19.19	17.77	14.26	15.11	14.79	15.94	18.86	---	20.11	17.93
16	19.78	19.52	19.05	17.22	14.37	14.94	14.52	16.20	19.03	---	20.06	18.02
17	19.77	19.50	19.19	16.76	14.47	15.15	14.11	16.32	19.14	---	19.58	18.14
18	19.74	19.30	19.31	16.30	14.26	14.87	13.91	16.35	19.33	---	19.45	18.27
19	19.69	19.64	19.33	15.97	14.15	14.81	13.89	16.38	19.44	---	19.22	18.42
20	19.80	19.76	19.49	15.64	14.29	15.10	13.89	16.52	19.44	---	19.28	18.52
21	19.91	19.78	19.64	15.25	14.52	15.26	14.06	16.58	19.42	---	19.34	18.60
22	19.95	19.91	19.58	15.21	14.65	15.09	14.28	16.74	19.59	---	19.27	18.68
23	19.95	19.88	18.96	15.03	14.59	14.47	14.18	16.92	19.78	---	19.15	18.82
24	19.61	19.27	18.77	14.95	14.72	14.81	13.87	17.08	19.98	---	18.78	19.03
25	19.27	19.30	18.94	14.94	14.87	14.91	14.31	17.22	20.09	---	18.48	19.15
26	19.67	19.56	19.13	14.74	14.91	14.90	14.56	17.34	20.20	---	18.20	19.24
27	19.80	18.86	19.02	14.43	15.01	14.92	14.65	17.26	20.39	---	18.11	19.32
28	19.71	18.93	18.62	14.17	14.93	15.02	14.75	17.22	20.57	---	18.08	19.36
29	19.80	19.14	18.74	14.31	---	14.88	14.76	17.45	20.70	---	18.02	---
30	19.31	19.36	18.66	14.24	---	14.55	14.78	17.66	20.77	---	17.88	---
31	19.24	---	18.59	14.28	---	14.73	---	17.79	---	---	17.79	---
MEAN	19.18	19.56	19.20	16.82	14.48	14.94	14.47	16.20	18.93			
MAX	19.95	19.98	19.64	19.19	16.16	15.26	14.79	17.79	20.77			
MIN	15.88	18.86	18.59	14.17	12.13	14.41	13.87	14.86	17.59			

## HYDROGRAPH





## SPARTANBURG COUNTY

345930081591000. Local number, SP-297.

LOCATION.--Lat 34°59'30", long 81°59'10", Hydrologic Unit 03050105, 0.5 mi (0.8 km) northwest of intersection of U.S. I-85 and State Hwy. 56 off State Hwy. 56 on Geddes St. in Spartanburg.

Owner: Metro. Subdistrict B Water Works.

AQUIFER.--Metamorphic rock of Paleozoic to Precambrian age.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 6 in (15.38 cm), depth 442 ft (134.7 m), cased to 51 ft (15.5 m), open hole below casing.

DATUM.--Land-surface datum is 880 ft (268 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.97 ft (0.30 m) above land-surface datum.

REMARKS.--Formerly listed as SP 298.

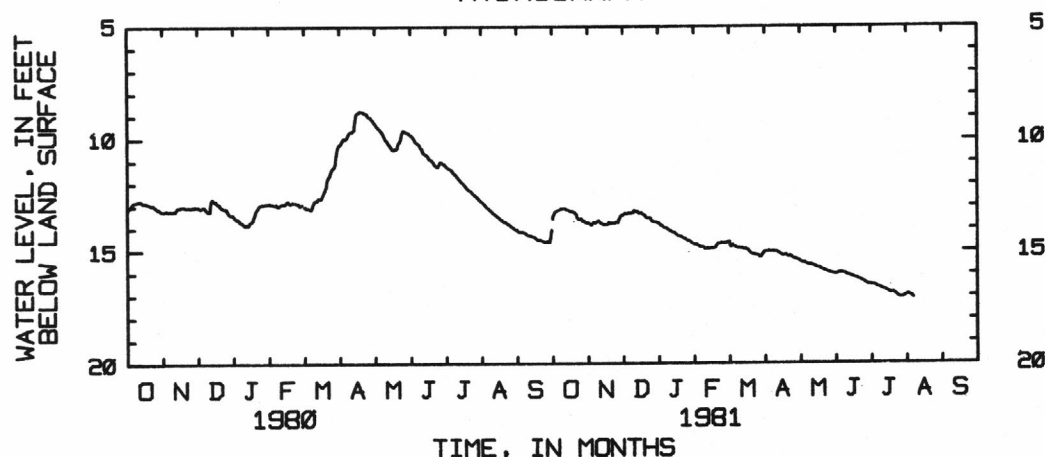
PERIOD OF RECORD.--March 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 5.77 ft (1.75 m) below land-surface datum, Apr. 9, 1973; lowest, 17.82 ft (43 m) below land-surface datum, Dec. 31, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.57	13.77	13.36	13.82	14.72	14.61	15.06	15.46	16.05	16.52	16.99	
2	13.35	13.82	13.32	13.89	14.75	14.60	15.06	15.50	16.05	16.54	16.96	
3	13.25	13.86	13.36	13.89	14.80	14.82	15.05	15.53	16.03	16.54	16.96	
4	13.22	13.78	13.34	13.96	14.81	14.81	15.04	15.54	15.99	16.54	16.99	
5	13.19	13.74	13.31	14.01	14.85	14.74	15.01	15.55	15.99	16.55	17.02	
6	13.18	13.77	13.31	13.99	14.85	14.81	15.05	15.56	15.98	16.59	17.04	
7	13.14	13.74	13.32	13.99	14.85	14.84	15.06	15.60	16.00	16.62	17.11	
8	13.12	13.68	13.30	14.07	14.87	14.87	15.04	15.62	16.01	16.65	---	
9	13.12	13.67	13.30	14.10	14.94	14.88	15.04	15.64	16.02	16.66	---	
10	13.12	13.72	13.20	14.14	14.91	14.89	15.06	15.64	16.05	16.68	---	
11	13.11	13.77	13.26	14.16	14.88	14.89	15.06	15.63	16.09	16.71	---	
12	13.15	13.80	13.27	14.20	14.93	14.91	15.07	15.66	16.10	16.74	---	
13	13.19	13.84	13.27	14.20	14.91	14.89	15.11	15.69	16.12	16.75	---	
14	13.21	13.84	13.33	14.22	14.89	14.94	15.13	15.70	16.14	16.77	---	
15	13.23	13.83	13.31	14.28	14.89	14.94	15.17	15.72	16.16	16.80	---	
16	13.26	13.83	13.30	14.33	14.88	14.92	15.19	15.76	16.18	16.83	---	
17	13.26	13.81	13.37	14.37	14.88	14.98	15.24	15.78	16.20	16.86	---	
18	13.27	13.74	13.40	14.36	14.85	14.98	15.21	15.78	16.23	16.89	---	
19	13.28	13.80	13.44	14.39	14.77	15.05	15.20	15.80	16.24	16.90	---	
20	13.34	13.78	13.51	14.41	14.69	15.11	15.20	15.84	16.26	16.88	---	
21	13.38	13.76	13.56	14.45	14.69	15.16	15.26	15.87	16.29	16.88	---	
22	13.54	13.79	13.57	14.47	14.68	15.17	15.27	15.89	16.31	16.92	---	
23	13.60	13.79	13.54	14.49	14.65	15.16	15.24	15.91	16.33	16.96	---	
24	13.60	13.72	13.55	14.54	14.67	15.19	15.26	15.93	16.36	16.99	---	
25	13.57	13.73	13.67	14.57	14.67	15.21	15.32	15.95	16.39	17.05	---	
26	13.66	13.73	13.71	14.57	14.67	15.22	15.36	15.98	16.41	17.08	---	
27	13.71	13.58	13.74	14.60	14.68	15.23	15.38	15.99	16.46	17.08	---	
28	13.70	13.46	13.73	14.65	14.63	15.30	15.39	16.01	16.48	17.09	---	
29	13.76	13.41	13.74	14.69	---	15.28	15.41	16.03	16.51	17.08	---	
30	13.78	13.41	13.78	14.72	---	15.19	15.43	16.04	16.52	17.05	---	
31	13.76	---	13.79	14.75	---	15.13	---	16.05	---	17.01	---	
MEAN	13.37	13.73	13.45	14.30	14.80	14.99	15.18	15.76	16.20	16.81		
MAX	13.78	13.86	13.79	14.75	14.94	15.30	15.43	16.05	16.52	17.09		
MIN	13.11	13.41	13.20	13.82	14.63	14.60	15.01	15.46	15.98	16.51		

## HYDROGRAPH



## SUMTER COUNTY

335602080204800. Local number, SU-69.

LOCATION.--Lat 33°56'02", long 80°20'48", Hydrologic Unit 03040205, at Sumter municipal well field, Church Street Plant, City Well No. 1A.

Owner: City of Sumter.

AQUIFER.--Sands of Black Creek and Middendorf Formations.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 18 in (46.7 cm) to 260 ft (79.2 m), 8 in (20.3 cm) from 211 ft (64.3 m) to 625 ft (190.5 m), depth 714 ft (217.6 m), cased to 625 ft (190.5 m), logged to 364 ft Sept. 1979, screened 508-528 ft (154.8-160.9 m), 550-570 ft (167.6-173.7 m), 605-625 ft (184.4-190.5 m), gravel packed.

DATUM.--Land-surface datum is 176 ft (53.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pad, 0.42 ft (0.13 m) land-surface datum.

REMARKS.--Also known as SU-09. Water levels are affected by pumping of nearby wells.

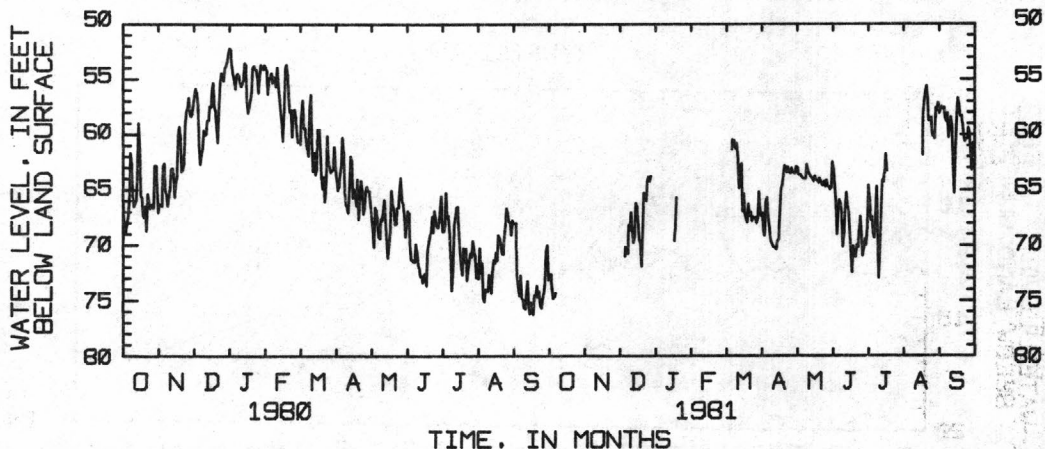
PERIOD OF RECORD.--June 1970 to current year. Monthly values, 1946-1969.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 40.57 ft (12.37 m) below land-surface datum, Oct. 29, 1971; lowest, 77.81 ft (23.72 m) below land-surface datum, June 28, 1974.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72.80		---	---		---	67.57	63.18	62.73	68.67	---	58.48
2	72.73		---	---		---	67.28	63.26	63.36	64.84	---	58.12
3	73.98		---	---		---	68.91	63.91	64.72	65.94	---	57.85
4	74.88		71.09	---		---	69.32	63.89	66.14	67.96	---	58.09
5	74.72		70.30	---		---	66.34	63.96	69.19	67.66	---	57.95
6	74.42		70.85	---		61.64	65.89	64.15	66.92	69.09	---	58.86
7	---		70.88	---		60.74	67.65	64.27	66.11	69.51	---	59.19
8	---		68.35	---		61.41	68.56	64.28	66.46	67.82	---	58.44
9	---		68.85	---		60.85	69.51	64.26	67.31	64.97	---	60.61
10	---		67.24	---		61.59	69.97	62.96	70.27	69.17	---	59.67
11	---		68.63	---		61.07	70.22	63.42	69.02	73.07	---	58.76
12	---		69.95	---		62.39	70.37	63.82	66.88	70.51	---	59.71
13	---		69.45	---		65.12	70.42	64.02	65.47	67.35	---	63.12
14	---		66.40	---		63.17	70.54	64.15	66.45	64.37	---	65.52
15	---		66.67	---		62.90	69.88	64.30	67.23	64.55	---	61.55
16	---		68.06	69.74		67.17	69.64	64.53	69.11	63.81	---	58.75
17	---		69.64	68.73		65.59	67.15	64.03	70.85	62.04	62.12	57.07
18	---		69.95	65.92		67.41	65.22	64.35	72.58	63.57	58.81	57.63
19	---		72.04	---		67.85	64.83	64.49	70.21	---	57.37	58.74
20	---		68.83	---		68.17	64.00	64.64	70.95	---	56.57	58.67
21	---		65.49	---		66.47	63.11	64.22	71.22	---	55.98	59.41
22	---		65.67	---		67.55	63.20	64.50	70.13	---	57.18	60.34
23	---		66.22	---		67.20	63.72	64.83	70.32	---	59.12	60.98
24	---		64.46	---		68.04	63.19	64.87	68.87	---	59.18	60.70
25	---		64.06	---		67.67	63.70	64.52	67.61	---	58.85	60.71
26	---		64.49	---		67.79	63.81	64.99	69.25	---	60.49	59.74
27	---		64.03	---		67.69	63.31	64.40	71.11	---	60.43	60.23
28	---		---	---		68.21	63.67	64.96	70.47	---	60.72	61.78
29	---		---	---		67.81	63.74	65.02	69.60	---	57.99	63.51
30	---		---	---		65.40	63.79	65.22	70.13	---	58.14	61.08
31	---		---	---		66.98	---	65.06	---	---	57.51	---
MEAN							66.62	64.27	68.36			59.84
MAX							70.54	65.22	72.58			65.52
MIN							63.11	62.96	62.73			57.07

## HYDROGRAPH



## SUMTER COUNTY

335606080020510. Local number, SU-191.

LOCATION.--Lat 33°56'06", long 80°02'05", Hydrologic unit 03040205, Church Street Plant #1, 371 ft (113.1 m) west of Church Street in Sumter.

Owner: City of Sumter.

AQUIFER.--Black Mingo Formation.

WELL CHARACTERISTICS.--Drilled industrial shallow well, diameter 8 in (20.3 cm), depth 56 ft (17.1 m), cased 0 to 56 ft (17.1 m), screen setting unknown.

DATUM.--Land surface datum is 177 ft (54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.75 ft (0.23 m) above land-surface datum.

REMARKS.--Gamma log Mar. 24, 1980, depth 56 ft (17.1 m). Caliper log Mar. 24, 1980, depth 56 ft (17.1 m).

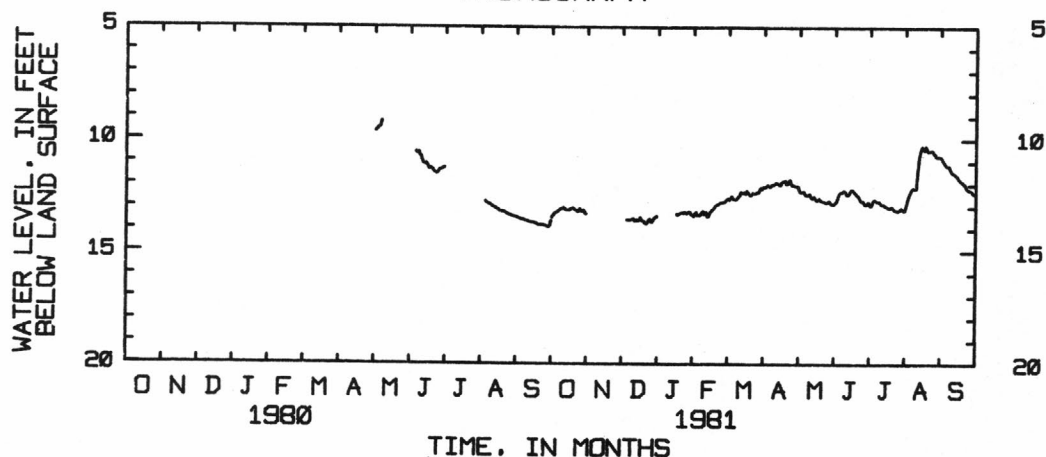
PERIOD OF RECORD.--Current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 10.30 ft (3.13 m) below land-surface datum, Aug. 16, 19, 1981; lowest, 13.78 ft (4.20 m) below land-surface datum, Dec. 21, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.49		---	---	13.30	12.65	12.12	12.12	12.86	12.81	13.16	10.77
2	13.37		---	---	13.25	12.62	12.15	12.26	12.81	12.93	13.01	10.85
3	13.29		---	---	13.38	12.69	12.11	12.35	12.75	12.94	12.81	10.95
4	13.26		13.61	---	13.36	12.60	12.07	12.34	12.61	12.84	12.61	11.03
5	13.25		13.60	---	13.39	12.52	12.03	12.32	12.47	12.70	12.46	11.12
6	13.20		13.60	---	13.33	12.63	12.09	12.33	12.35	12.68	12.32	11.19
7	13.16		13.61	---	13.24	12.66	12.11	12.44	12.34	12.72	12.21	11.20
8	13.12		13.59	---	13.19	12.69	12.04	12.50	12.32	12.77	12.16	11.17
9	13.09		13.55	---	13.33	12.65	12.00	12.51	12.28	12.77	12.18	11.29
10	13.09		13.54	---	13.26	12.59	12.02	12.46	12.29	12.78	12.18	11.42
11	13.05		13.64	---	13.24	12.52	11.97	12.43	12.35	12.84	12.15	11.49
12	13.10		13.64	---	13.45	12.47	11.93	12.56	12.45	12.90	11.59	11.51
13	13.16		13.58	---	13.40	12.32	11.96	12.62	12.45	12.91	11.00	11.55
14	13.17		13.64	---	13.28	12.39	11.97	12.57	12.40	12.90	10.66	11.59
15	13.16		13.58	---	13.21	12.38	12.03	12.55	12.29	12.96	10.43	11.64
16	13.16		13.49	13.32	13.14	12.32	12.01	12.68	12.22	12.99	10.30	11.71
17	13.13		13.60	13.37	13.09	12.42	11.90	12.71	12.25	13.01	10.39	11.80
18	13.09		13.66	13.31	13.04	12.29	11.86	12.67	12.31	13.05	10.46	11.85
19	13.06		13.67	13.29	12.95	12.36	11.85	12.62	12.36	13.06	10.30	11.90
20	13.11		13.75	13.27	12.89	12.44	11.82	12.69	12.42	13.01	10.40	11.93
21	13.17		13.78	13.26	12.88	12.50	11.98	12.75	12.49	12.98	10.52	11.99
22	13.19		13.72	13.29	12.87	12.44	11.98	12.77	12.53	13.07	10.51	12.02
23	13.24		13.62	13.24	12.82	12.38	11.85	12.78	12.62	13.14	10.50	12.12
24	13.20		13.55	13.27	12.81	12.42	11.80	12.81	12.74	13.16	10.47	12.21
25	13.10		13.68	13.31	12.81	12.40	11.96	12.83	12.75	13.18	10.50	12.25
26	13.21		13.68	13.26	12.78	12.38	12.06	12.81	12.74	13.19	10.61	12.27
27	13.23		13.60	13.22	12.78	12.32	12.06	12.74	12.84	13.17	10.65	12.29
28	13.17		13.51	13.26	12.71	12.35	12.08	12.75	12.91	13.11	10.75	12.32
29	13.24		13.46	13.35	---	12.24	12.09	12.85	12.90	13.05	10.77	12.40
30	13.33		13.43	13.38	---	12.14	12.08	12.88	12.80	13.13	10.75	12.42
31	---		---	13.43	---	12.21	---	12.89	---	13.18	10.78	---
MEAN					13.11	12.45	12.00	12.60	12.53	12.97	11.28	11.68
MAX					13.45	12.69	12.15	12.89	12.91	13.19	13.16	12.42
MIN					12.71	12.14	11.80	12.12	12.22	12.68	10.30	10.77

## HYDROGRAPH



## YORK COUNTY

350150081012500. Local number, YK-147.

LOCATION.--Lat 35°01'50", long 81°01'25", Hydrologic Unit 03050101, at Fort Mill on Lake Wiley.

Owner: Tega Cay Development.

AQUIFER.--Rock of Paleozoic to Precambrian age.

WELL CHARACTERISTICS.--Drilled unused privately owned public supply well, diameter 8 in (20.5 cm), depth 700 ft (213.4 m), cased to 50 ft (15 m), open hole below casing.

DATUM.--Land-surface datum is 600 ft (183 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.75 ft (0.23 m) above land-surface datum.

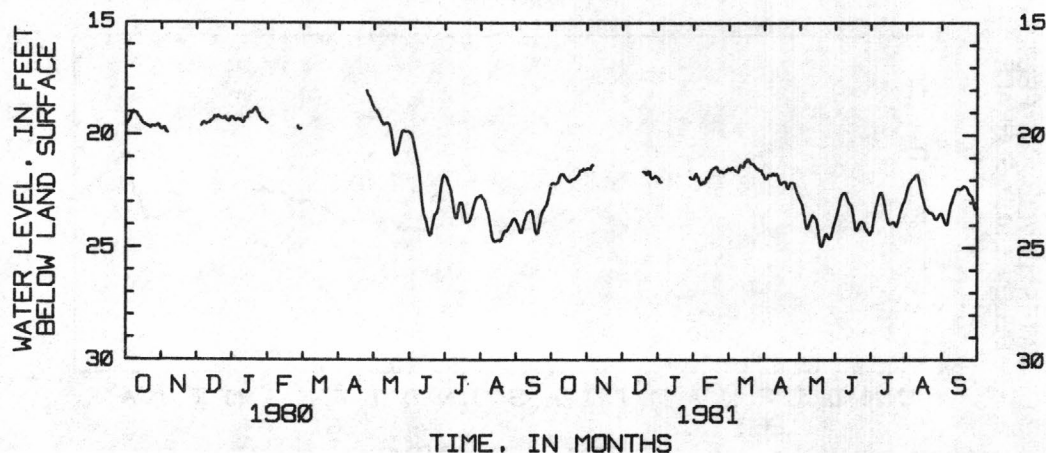
PERIOD OF RECORD.--October 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 18.59 ft (5.67 m) below land-surface datum, Apr. 8, 1973; lowest, 25.23 ft (7.69 m) below land-surface datum, July 27, 1977.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.22	21.49	---	21.98	21.82	21.52	21.81	22.76	23.92	24.46	22.78	23.53
2	22.15	21.51	---	22.09	21.72	21.50	21.95	22.88	23.75	24.36	22.55	23.63
3	22.17	21.54	---	22.12	21.86	21.56	21.98	23.00	23.57	24.26	22.34	23.79
4	22.20	21.42	---	---	21.92	21.54	21.93	23.11	23.35	23.98	22.21	23.94
5	22.18	21.34	---	---	22.12	21.44	21.80	23.32	23.11	23.64	22.12	24.02
6	22.15	---	---	---	22.22	21.52	21.81	23.61	22.86	23.34	22.03	24.00
7	22.03	---	---	---	22.20	21.57	21.82	23.97	22.70	23.12	21.98	23.67
8	21.87	---	---	---	22.10	21.61	21.77	24.17	22.62	22.91	21.94	23.32
9	21.76	---	---	---	22.17	21.64	21.72	24.15	22.58	22.71	21.85	23.12
10	21.76	---	---	---	22.10	21.67	21.80	24.00	22.60	22.57	21.78	22.97
11	21.77	---	---	---	21.90	21.52	21.79	23.82	22.70	22.57	21.76	22.81
12	21.86	---	---	---	21.95	21.34	21.74	23.71	22.86	22.67	21.91	22.66
13	21.95	---	---	---	21.84	21.38	21.82	23.57	23.00	22.85	22.17	22.51
14	22.03	---	---	---	21.70	21.45	22.00	23.63	23.08	23.11	22.45	22.42
15	22.08	---	---	---	21.59	21.41	22.17	23.67	23.17	23.44	22.70	22.42
16	22.10	---	---	---	21.51	21.19	22.21	23.75	23.30	23.69	22.88	22.43
17	22.08	---	---	---	21.48	21.20	22.15	23.93	23.57	23.91	23.09	22.43
18	22.04	---	21.65	---	21.45	21.08	22.11	24.25	23.89	24.00	23.27	22.40
19	21.97	---	21.65	---	21.42	21.10	22.10	24.64	24.22	23.97	23.33	22.34
20	21.98	---	21.68	---	21.44	21.19	22.14	24.93	24.25	23.91	23.41	22.29
21	21.96	---	21.77	---	21.60	21.28	22.37	24.97	24.14	23.89	23.47	22.30
22	21.88	---	21.76	---	21.66	21.31	22.41	24.85	23.99	23.90	23.48	22.34
23	21.84	---	21.61	---	21.62	21.29	22.29	24.65	23.89	24.02	23.49	22.40
24	21.77	---	21.65	---	21.65	21.40	22.14	24.45	23.87	24.09	23.53	22.55
25	21.60	---	21.89	---	21.68	21.45	22.15	24.41	23.90	23.95	23.60	22.64
26	21.62	---	21.97	---	21.65	21.52	22.14	24.51	23.96	23.75	23.73	22.71
27	21.60	---	21.94	21.90	21.64	21.53	22.17	24.61	24.14	23.53	23.76	22.76
28	21.51	---	21.88	21.93	21.59	21.59	22.33	24.62	24.23	23.35	23.74	22.92
29	21.56	---	21.84	21.97	---	21.60	22.48	24.54	24.30	23.18	23.67	23.18
30	21.55	---	21.87	21.98	---	21.59	22.64	24.33	24.37	23.05	23.57	23.34
31	21.52	---	21.93	21.96	---	21.75	---	24.10	---	22.95	23.52	---
MEAN	21.90				21.77	21.44	22.06	24.03	23.53	23.52	22.84	22.93
MAX	22.22				22.22	21.75	22.64	24.97	24.37	24.46	23.76	24.02
MIN	21.51				21.42	21.08	21.72	22.76	22.58	22.57	21.76	22.29

## HYDROGRAPH



---

## APPENDIX

---

---

APPENDIX

---

Following are two listings of the new versus old terminology for each of the 143 water-quality parameters affected by the terminology change explained on page 4. The first listing orders the changes numerically according to the laboratory parameter code and the second listing orders the changes alphabetically according to the parameter name.

## NUMERIC LISTING

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
00623	Nitrogen, ammonia plus organic, dissolved (mg/L as N)
00623	Nitrogen, kjeldahl, dissolved (mg/L as N)
00624	Nitrogen, ammonia plus organic, suspended total (mg/L as N)
00624	Nitrogen, kjeldahl, suspended (mg/L as N)
00625	Nitrogen, ammonia plus organic, total (mg/L as N)
00625	Nitrogen, kjeldahl, total (mg/L as N)
00626	Nitrogen, ammonia plus organic, total in bottom material, dry wt (mg/kg as N)
00626	Nitrogen, kjeldahl, total in bottom material, dry wt (mg/kg as N)
00683	Carbon, organic, suspended total (mg/L as C)
00683	Carbon, organic, suspended (mg/L as C)
00688	Carbon, inorganic, suspended total (mg/L as C)
00688	Carbon, inorganic, suspended (mg/L as C)
00689	Carbon, organic, suspended total (mg/L as C)
00689	Carbon, organic, suspended (mg/L as C)
00694	Carbon, inorganic plus organic, suspended total (mg/L as C)
00694	Carbon, inorganic plus organic, suspended (mg/L as C)
00916	Calcium, total recoverable (mg/L as Ca)
00916	Calcium, total (mg/L as Ca)
00926	Magnesium, suspended recoverable (mg/L as Mg)
00926	Magnesium, suspended (mg/L as Mg)
00927	Magnesium, total recoverable (mg/L as Mg)
00927	Magnesium, total (mg/L as Mg)



Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01001	Arsenic, suspended total (mg/L as As)
01001	Arsenic, suspended (ug/L as As)
01006	Barium, suspended recoverable (ug/L as Ba)
01006	Barium, suspended (ug/L as Ba)
01007	Barium, total recoverable (ug/L as Ba)
01007	Barium, total (ug/L as Ba)
01008	Barium, recoverable from bottom material (ug/g as Ba)
01008	Barium, total in bottom material (ug/g as Ba)
01011	Beryllium, suspended recoverable (ug/L as Be)
01011	Beryllium, suspended (ug/L as Be)
01012	Beryllium, total recoverable (ug/L as Be)
01012	Beryllium, total (ug/L as Be)
01013	Beryllium, recoverable from bottom material (ug/g as Be)
01013	Beryllium, total in bottom material (ug/g as Be)
01016	Bismuth, suspended total (ug/L as Bi)
01016	Bismuth, suspended (ug/L as Bi)
01021	Boron, suspended recoverable (ug/L as B)
01021	Boron, suspended (ug/L as B)
01022	Boron, total recoverable (ug/L as B)
01022	Boron, total (ug/L as B)
01023	Boron, recoverable from bottom material (ug/g as B)
01023	Boron, total in bottom material (ug/g as B)
01026	Cadmium, suspended recoverable (ug/L as Cd)
01026	Cadmium, suspended (ug/L as Cd)
01027	Cadmium, total recoverable (ug/L as Cd)
01027	Cadmium, total (ug/L as Cd)
01028	Cadmium, recoverable from bottom material (ug/g as Cd)
01028	Cadmium, total in bottom material (ug/g as Cd)
01029	Chromium, recoverable from bottom material (ug/g as Cr)
01029	Chromium, total in bottom material (ug/g as Cr)
01031	Chromium, suspended recoverable (ug/L as Cr)
01031	Chromium, suspended (ug/L as Cr)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
---------------	---

01034	Chromium, total recoverable (ug/L as Cr)
01034	Chromium, total (ug/L as Cr)
01036	Cobalt, suspended recoverable (ug/L as Co)
01036	Cobalt, suspended (ug/L as Co)
01037	Cobalt, total recoverable (ug/L as Co)
01037	Cobalt, total (ug/L as Co)
01038	Cobalt, recoverable from bottom material (ug/g as Co)
01038	Cobalt, total in bottom material (ug/g as Co)
01041	Copper, suspended recoverable (ug/L as Cu)
01041	Copper, suspended (ug/L as Cu)
01042	Copper, Total recoverable (ug/L as Cu)
01042	Copper, total (ug/L as Cu)
01043	Copper, recoverable from bottom material (ug/g as Cu)
01043	Copper, total in bottom material (ug/g as Cu)
01044	Iron, suspended recoverable (ug/L as Fe)
01044	Iron, suspended (ug/L as Fe)
01045	Iron, total recoverable (ug/L as Fe)
01045	Iron, total (ug/L as Fe)
01050	Lead, suspended recoverable (ug/L as Pb)
01050	Lead, suspended (ug/L as Pb)
01051	Lead, total recoverable (ug/L as Pb)
01051	Lead, total (ug/L as Pb)
01052	Lead, recoverable from bottom material (ug/g as Pb)
01052	Lead, total in bottom material (ug/g as Pb)
01053	Manganese, recoverable from bottom material (ug/g as Mn)
01053	Manganese, total in bottom material (ug/g as Mn)
01054	Manganese, suspended recoverable (ug/L as Mn)
01054	Manganese, suspended (ug/L as Mn)
01055	Manganese, total recoverable (ug/L as Mn)
01055	Manganese, total (ug/L as Mn)
01061	Molybdenum, suspended recoverable (ug/L as Mo)
01061	Molybdenum, suspended (ug/L as Mo)

Parn. Code	New Terminology -- First Line Old Terminology -- Second Line
01062	Molybdenum, total recoverable (ug/L as Mo)
01062	Molybdenum, total (ug/L as Mo)
01063	Molybdenum, recoverable from bottom material (ug/g as Mo)
01063	Molybdenum, total in bottom material (ug/g as Mo)
01066	Nickel, suspended recoverable (ug/L as Ni)
01066	Nickel, suspended (ug/L as Ni)
01067	Nickel, total recoverable (ug/L as Ni)
01067	Nickel, total (ug/L as Ni)
01068	Nickel, recoverable from bottom material (ug/g as Ni)
01068	Nickel, total in bottom material (ug/g as Ni)
01076	Silver, suspended recoverable (ug/L as Ag)
01076	Silver, suspended (ug/L as Ag)
01077	Silver, total recoverable (ug/L as Ag)
01077	Silver, total (ug/L as Ag)
01078	Silver, recoverable from bottom material (ug/g as Ag)
01078	Silver, total in bottom material (ug/g as Ag)
01081	Strontium, suspended recoverable (ug/L as Sr)
01081	Strontium, suspended (ug/L as Sr)
01082	Strontium, total recoverable (ug/L as Sr)
01082	Strontium, total (ug/L as Sr)
01083	Strontium, recoverable from bottom material (ug/g as Sr)
01083	Strontium, total in bottom material (ug/g as Sr)
01086	Vanadium, suspended total (ug/L as V)
01086	Vanadium, suspended (ug/L as V)
01091	Zinc, suspended recoverable (ug/L as Zn)
01091	Zinc, suspended (ug/L as Zn)
01092	Zinc, total recoverable (ug/L as Zn)
01092	Zinc, total (ug/L as Zn)
01093	Zinc, recoverable from bottom material (ug/g as Zn)
01093	Zinc, total in bottom material (ug/g as Zn)
01096	Antimony, suspended total (ug/L as Sb)
01096	Antimony, suspended (ug/L as Sb)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
---------------	---

01101	Tin, suspended recoverable (ug/L as Sn)
01101	Tin, suspended (ug/L as Sn)
01102	Tin, total recoverable (ug/L as Sn)
01102	Tin, total (ug/L as Sn)
01105	Aluminum, total recoverable (ug/L as Al)
01105	Aluminum, total (ug/L as Al)
01107	Aluminum, suspended recoverable (ug/L as Al)
01107	Aluminum, suspended (ug/L as Al)
01108	Aluminum, recoverable from bottom material (ug/g as Al)
01108	Aluminum, total in bottom material (ug/g as Al)
01116	Cesium, suspended total (ug/L as Cs)
01116	Cesium, suspended (ug/L as Cs)
01121	Gallium, suspended total (ug/L as Ga)
01121	Gallium, suspended (ug/L as Ga)
01126	Germanium, suspended total (ug/L as Ge)
01126	Germanium, suspended (ug/L as Ge)
01131	Lithium, suspended recoverable (ug/L as Li)
01131	Lithium, suspended (ug/L as Li)
01132	Lithium, total recoverable (ug/L as Li)
01132	Lithium, total (ug/L as Li)
01136	Rubidium, suspended total (ug/L as Rb)
01136	Rubidium, suspended (ug/L as Rb)
01146	Selenium, suspended total (ug/L as Se)
01146	Selenium, suspended (ug/L as Se)
01151	Titanium, suspended total (ug/L as Ti)
01151	Titanium, suspended (ug/L as Ti)
01161	Zirconium, suspended total (ug/L as Zr)
01161	Zirconium, suspended (ug/L as Zr)
01170	Iron, recoverable from bottom material (ug/g as Fe)
01170	Iron, total in bottom material (ug/g as Fe)
01505	Alpha, suspended total (pCi/L)
01505	Alpha, suspended (pCi/L)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01506	Alpha, suspended total, counting error (pCi/L)
01506	Alpha, suspended, counting error (pCi/L)
01516	Gross alpha radioactivity, suspended total (pCi/L as U natural)
01516	Gross alpha radioactivity, suspended (pCi/L as U natural)
01517	Gross alpha radioactivity, suspended total (pCi/g as U natural)
01517	Gross alpha radioactivity, suspended (pCi/g as U natural)
01518	Gross alpha radioactivity, suspended total (ug/g as U natural)
01518	Gross alpha radioactivity, suspended (ug/g as U natural)
03505	Beta, suspended total (pCi/L)
03505	Beta, suspended (pCi/L)
03506	Beta, suspended total, counting error (pCi/L)
03506	Beta, suspended, counting error (pCi/L)
03516	Gross beta radioactivity, suspended total (pCi/L as Cs-137)
03516	Gross beta radioactivity, suspended (pCi/L as Cs-137)
03517	Gross beta radioactivity, suspended total (pCi/g as Sr/Yt-90)
03517	Gross beta radioactivity, suspended (pCi/g as Sr/Yt-90)
03518	Gross beta radioactivity, suspended total (pCi/g as Cs-137)
03518	Gross Beta radioactivity, suspended (pCi/g as Cs-137)
07010	Tritium, suspended total (pCi/L)
07010	Tritium, suspended (pCi/L)
07011	Tritium, suspended total, counting error (pCi/L)
07011	Tritium, suspended, counting error (pCi/L)
07014	Tritium, suspended total, counting error (tritium units)
07014	Tritium, suspended, counting error (tritium units)
07016	Tritium, suspended total (tritium units)
07016	Tritium, suspended (tritium units)
07052	Calcium 45, suspended total (pCi/L)
07052	Calcium 45, suspended (pCi/L)
07053	Calcium 45, suspended total, counting error (pCi/L)
07053	Calcium 45, suspended, counting error (pCi/L)
07062	Iron 59, suspended total (pCi/L)
07062	Iron 59, suspended (pCi/L)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
07063	Iron 59, suspended total, counting error (pCi/L)
07063	Iron 59, suspended, counting error (pCi/L)
07082	Rhodamine Wt, suspended total (ug/L)
07082	Rhodamine Wt, suspended (ug/L)
07102	Selenium 75, suspended total (pCi/L)
07102	Selenium 75, suspended (pCi/L)
07103	Selenium 75, suspended total, counting error (pCi/L)
07103	Selenium 75, suspended, counting error (pCi/L)
07122	Silver 110, suspended total (pCi/L)
07122	Silver 110, suspended (pCi/L)
07123	Silver 110, suspended total, counting error (pCi/L)
07123	Silver 110, suspended, counting error (pCi/L)
07142	Sulfur 35, suspended total (pCi/L)
07142	Sulfur 35, suspended (pCi/L)
07143	Sulfur 35, suspended total, counting error (pCi/L)
07143	Sulfur 35, suspended, counting error (pCi/L)
09505	Radium 226, suspended total (pCi/L)
09505	Radium 226, suspended (pCi/L)
13505	Strontium 90, suspended total (pCi/L)
13505	Strontium 90, suspended (pCi/L)
13506	Strontium 90, suspended total, counting error (pCi/L)
13506	Strontium 90, suspended, counting error (pCi/L)
22705	Uranium, natural, suspended total (ug/L as U natural)
22705	Uranium, natural, suspended (ug/L as U natural)
28404	Cesium 137, suspended total (pCi/L)
28404	Cesium 137, suspended (pCi/L)
28405	Cesium 137, suspended total, counting error (pCi/L)
28405	Cesium 137, suspended, counting error (pCi/L)
28412	Cesium 134, suspended total (pCi/L)
28412	Cesium 134, suspended (pCi/L)
28413	Cesium 134, suspended total, counting error (pCi/L)
28413	Cesium 134, suspended, counting error (pCi/L)



Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
29633	Scandium 46, suspended total (pCi/L)
29633	Scandium 46, suspended (pCi/L)
29634	Scandium 46, suspended total, counting error (pCi/L)
29634	Scandium 46, suspended, counting error (pCi/L)
39332	Aldrin, suspended total (ug/L)
39332	Aldrin, suspended (ug/L)
39342	Lindane, suspended total (ug/L)
39342	Lindane, suspended (ug/L)
39353	Chlordane, suspended total (ug/L)
39353	Chlordane, suspended (ug/L)
39362	DDD, suspended total (ug/L)
39362	DDD, suspended (ug/L)
39367	DDE, suspended total (ug/L)
39367	DDE, suspended (ug/L)
39372	DDT, suspended total (ug/L)
39372	DDT, suspended (ug/L)
39382	Dieldrin, suspended total (ug/L)
39382	Dieldrin, suspended (ug/L)
39392	Endrin, suspended total (ug/L)
39392	Endrin, suspended (ug/L)
39402	Toxaphene, suspended total (ug/L)
39402	Toxaphene, suspended (ug/L)
39412	Heptachlor, suspended total (ug/L)
39412	Heptachlor, suspended (ug/L)
39422	Heptachlor epoxide, suspended total (ug/L)
39422	Heptachlor epoxide, suspended (ug/L)
39432	Isodrin, suspended total (ug/L)
39432	Isodrin, suspended (ug/L)
39502	Aroclor, suspended total, 1248 PCB series (ug/L)
39502	Aroclor, suspended, 1248 PCB series (ug/L)
39506	Aroclor, suspended total, 1254 PCB series (ug/L)
39506	Aroclor, suspended, 1254 PCB series (ug/L)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
39510	Aroclor, suspended total, 1260 PCB series (ug/L)
39510	Aroclor, suspended, 1260 PCB series (ug/L)
39518	PCB, suspended total (ug/L)
39518	PCB, suspended (ug/L)
39533	Malathion, suspended total (ug/L)
39533	Malathion, suspended (ug/L)
39543	Parathion, suspended total (ug/L)
39543	Parathion, suspended (ug/L)
39573	Diazinon, suspended total (ug/L)
39573	Diazinon, suspended (ug/L)
39603	Methyl parathion, suspended total (ug/L)
39603	Methyl parathion, suspended (ug/L)
39733	2,4-D, suspended total (ug/L)
39733	2,4-D, suspended (ug/L)
39743	2,4,5-T, suspended total (ug/L)
39743	2,4,5-T, suspended (ug/L)
39757	Mirex, suspended total (ug/L)
39757	Mirex, suspended (ug/L)
39763	Silvex, suspended total (ug/L)
39763	Silvex, suspended (ug/L)
70299	Solids, residue at 110 deg. C, suspended total (mg/L)
70299	Solids, residue at 110 deg. C, suspended (mg/L)
71895	Mercury, suspended recoverable (ug/L as Hg)
71895	Mercury, suspended (ug/L as Hg)
71900	Mercury, total recoverable (ug/L as Hg)
71900	Mercury, total (ug/L as Hg)
71921	Mercury, recoverable from bottom material (ug/g as Hg)
71921	Mercury, total in bottom material (ug/g as Hg)
80040	Gross alpha radioactivity, suspended total (ug/L as U natural)
80040	Gross alpha radioactivity, suspended (ug/L as U natural)
80060	Gross beta radioactivity, suspended total (pCi/L as Sr/Yt-90)
80060	Gross beta radioactivity, suspended (pCi/L as Sr/Yt-90)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
39332	Aldrin, suspended total (ug/L)
39332	Aldrin, suspended (ug/L)
01505	Alpha, suspended total (pCi/L)
01505	Alpha, suspended (pCi/L)
01506	Alpha, suspended total, counting error (pCi/L)
01506	Alpha, suspended, counting error (pCi/L)
01105	Aluminum, total recoverable (ug/L as Al)
01105	Aluminum, total (ug/L as Al)
01107	Aluminum, suspended recoverable (ug/L as Al)
01107	Aluminum, suspended (ug/L as Al)
01108	Aluminum, recoverable from bottom material (ug/g as Al)
01108	Aluminum, total in bottom material (ug/g as Al)
01096	Antimony, suspended total (ug/L as Sb)
01096	Antimony, suspended (ug/L as Sb)
39502	Aroclor, suspended total, 1248 PCB series (ug/L)
39502	Aroclor, suspended, 1248 PCB series (ug/L)
39506	Aroclor, suspended total, 1254 PCB series (ug/L)
39506	Aroclor, suspended, 1254 PCB series (ug/L)
39510	Aroclor, suspended total, 1260 PCB series (ug/L)
39510	Aroclor, suspended, 1260 PCB series (ug/L)
01001	Arsenic, suspended total (mg/L as As)
01001	Arsenic, suspended (ug/L as As)
01006	Barium, suspended recoverable (ug/L as Ba)
01006	Barium, suspended (ug/L as Ba)
01007	Barium, total recoverable (ug/L as Ba)
01007	Barium, total (ug/L as Ba)
01008	Barium, recoverable from bottom material (ug/g as Ba)
01008	Barium, total in bottom material (ug/g as Ba)
01011	Beryllium, suspended recoverable (ug/L as Be)
01011	Beryllium, suspended (ug/L as Be)
01012	Beryllium, total recoverable (ug/L as Be)
01012	Beryllium, total (ug/L as Be)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
---------------	---

01013	Beryllium, recoverable from bottom material (ug/g as Be)
01013	Beryllium, total in bottom material (ug/g as Be)
03505	Beta, suspended total (pCi/L)
03505	Beta, suspended (pCi/L)
03506	Beta, suspended total, counting error (pCi/L)
03506	Beta, suspended, counting error (pCi/L)
01016	Bismuth, suspended total (ug/L as Bi)
01016	Bismuth, suspended (ug/L as Bi)
01021	Boron, suspended recoverable (ug/L as B)
01021	Boron, suspended (ug/L as B)
01022	Boron, total recoverable (ug/L as B)
01022	Boron, total (ug/L as B)
01023	Boron, recoverable from bottom material (ug/g as B)
01023	Boron, total in bottom material (ug/g as B)
01026	Cadmium, suspended recoverable (ug/L as Cd)
01026	Cadmium, suspended (ug/L as Cd)
01027	Cadmium, total recoverable (ug/L as Cd)
01027	Cadmium, total (ug/L as Cd)
01028	Cadmium, recoverable from bottom material (ug/g as Cd)
01028	Cadmium, total in bottom material (ug/g as Cd)
00916	Calcium, total recoverable (mg/L as Ca)
00916	Calcium, total (mg/L as Ca)
07052	Calcium 45, suspended total (pCi/L)
07052	Calcium 45, suspended (pCi/L)
07053	Calcium 45, suspended total, counting error (pCi/L)
07053	Calcium 45, suspended, counting error (pCi/L)
00683	Carbon, organic, suspended total (mg/L as C)
00683	Carbon, organic, suspended (mg/L as C)
00688	Carbon, inorganic, suspended total (mg/L as C)
00688	Carbon, inorganic, suspended (mg/L as C)
00689	Carbon, organic, suspended total (mg/L as C)
00689	Carbon, organic, suspended (mg/L as C)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
00694	Carbon, inorganic plus organic, suspended total (mg/L as C)
00694	Carbon, inorganic plus organic, suspended (mg/L as C)
01116	Cesium, suspended total (ug/L as Cs)
01116	Cesium, suspended (ug/L as Cs)
28404	Cesium 137, suspended total (pCi/L)
28404	Cesium 137, suspended (pCi/L)
28405	Cesium 137, suspended total, counting error (pCi/L)
28405	Cesium 137, suspended, counting error (pCi/L)
28412	Cesium 134, suspended total (pCi/L)
28412	Cesium 134, suspended (pCi/L)
28413	Cesium 134, suspended total, counting error (pCi/L)
28413	Cesium 134, suspended, counting error (pCi/L)
39353	Chlordane, suspended total (ug/L)
39353	Chlordane, suspended (ug/L)
01029	Chromium, recoverable from bottom material (ug/g as Cr)
01029	Chromium, total in bottom material (ug/g as Cr)
01031	Chromium, suspended recoverable (ug/L as Cr)
01031	Chromium, suspended (ug/L as Cr)
01034	Chromium, total recoverable (ug/L as Cr)
01034	Chromium, total (ug/L as Cr)
01036	Cobalt, suspended recoverable (ug/L as Co)
01036	Cobalt, suspended (ug/L as Co)
01037	Cobalt, total recoverable (ug/L as Co)
01037	Cobalt, total (ug/L as Co)
01038	Cobalt, recoverable from bottom material (ug/g as Co)
01038	Cobalt, total in bottom material (ug/g as Co)
01041	Copper, suspended recoverable (ug/L as Cu)
01041	Copper, suspended (ug/L as Cu)
01042	Copper, Total recoverable (ug/L as Cu)
01042	Copper, total (ug/L as Cu)
01043	Copper, recoverable from bottom material (ug/g as Cu)
01043	Copper, total in bottom material (ug/g as Cu)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
-----	
39362	DDD, suspended total (ug/L)
39362	DDD, suspended (ug/L)
39367	DDE, suspended total (ug/L)
39367	DDE, suspended (ug/L)
39372	DDT, suspended total (ug/L)
39372	DDT, suspended (ug/L)
39573	Diazinon, suspended total (ug/L)
39573	Diazinon, suspended (ug/L)
39382	Dieldrin, suspended total (ug/L)
39382	Dieldrin, suspended (ug/L)
39392	Endrin, suspended total (ug/L)
39392	Endrin, suspended (ug/L)
01121	Gallium, suspended total (ug/L as Ga)
01121	Gallium, suspended (ug/L as Ga)
01126	Germanium, suspended total (ug/L as Ge)
01126	Germanium, suspended (ug/L as Ge)
01516	Gross alpha radioactivity, suspended total (pCi/L as U natural)
01516	Gross alpha radioactivity, suspended (pCi/L as U natural)
01517	Gross alpha radioactivity, suspended total (pCi/g as U natural)
01517	Gross alpha radioactivity, suspended (pCi/g as U natural)
01518	Gross alpha radioactivity, suspended total (ug/g as U natural)
01518	Gross alpha radioactivity, suspended (ug/g as U natural)
80040	Gross alpha radioactivity, suspended total (ug/L as U natural)
80040	Gross alpha radioactivity, suspended (ug/L as U natural)
80060	Gross beta radioactivity, suspended total (pCi/L as Sr/Yt-90)
80060	Gross beta radioactivity, suspended (pCi/L as Sr/Yt-90)
03516	Gross beta radioactivity, suspended total (pCi/L as Cs-137)
03516	Gross beta radioactivity, suspended (pCi/L as Cs-137)
03517	Gross beta radioactivity, suspended total (pCi/g as Sr/Yt-90)
03517	Gross beta radioactivity, suspended (pCi/g as Sr/Yt-90)
03518	Gross beta radioactivity, suspended total (pCi/g as Cs-137)
03518	Gross Beta radioactivity, suspended (pCi/g as Cs-137)



Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
39412	Heptachlor, suspended total (ug/L)
39412	Heptachlor, suspended (ug/L)
39422	Heptachlor epoxide, suspended total (ug/L)
39422	Heptachlor epoxide, suspended (ug/L)
01044	Iron, suspended recoverable (ug/L as Fe)
01044	Iron, suspended (ug/L as Fe)
01045	Iron, total recoverable (ug/L as Fe)
01045	Iron, total (ug/L as Fe)
01170	Iron, recoverable from bottom material (ug/g as Fe)
01170	Iron, total in bottom material (ug/g as Fe)
07062	Iron 59, suspended total (pCi/L)
07062	Iron 59, suspended (pCi/L)
07063	Iron 59, suspended total, counting error (pCi/L)
07063	Iron 59, suspended, counting error (pCi/L)
39432	Isodrin, suspended total (ug/L)
39432	Isodrin, suspended (ug/L)
01050	Lead, suspended recoverable (ug/L as Pb)
01050	Lead, suspended (ug/L as Pb)
01051	Lead, total recoverable (ug/L as Pb)
01051	Lead, total (ug/L as Pb)
01052	Lead, recoverable from bottom material (ug/g as Pb)
01052	Lead, total in bottom material (ug/g as Pb)
39342	Lindane, suspended total (ug/L)
39342	Lindane, suspended (ug/L)
01131	Lithium, suspended recoverable (ug/L as Li)
01131	Lithium, suspended (ug/L as Li)
01132	Lithium, total recoverable (ug/L as Li)
01132	Lithium, total (ug/L as Li)
00926	Magnesium, suspended recoverable (mg/L as Mg)
00926	Magnesium, suspended (mg/L as Mg)
00927	Magnesium, total recoverable (mg/L as Mg)
00927	Magnesium, total (mg/L as Mg)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
39533	Malathion, suspended total (ug/L)
39533	Malathion, suspended (ug/L)
01053	Manganese, recoverable from bottom material (ug/g as Mn)
01053	Manganese, total in bottom material (ug/g as Mn)
01054	Manganese, suspended recoverable (ug/L as Mn)
01054	Manganese, suspended (ug/L as Mn)
01055	Manganese, total recoverable (ug/L as Mn)
01055	Manganese, total (ug/L as Mn)
71895	Mercury, suspended recoverable (ug/L as Hg)
71895	Mercury, suspended (ug/L as Hg)
71900	Mercury, total recoverable (ug/L as Hg)
71900	Mercury, total (ug/L as Hg)
71921	Mercury, recoverable from bottom material (ug/g as Hg)
71921	Mercury, total in bottom material (ug/g as Hg)
39603	Methyl parathion, suspended total (ug/L)
39603	Methyl parathion, suspended (ug/L)
39757	Mirex, suspended total (ug/L)
39757	Mirex, suspended (ug/L)
01061	Molybdenum, suspended recoverable (ug/L as Mo)
01061	Molybdenum, suspended (ug/L as Mo)
01062	Molybdenum, total recoverable (ug/L as Mo)
01062	Molybdenum, total (ug/L as Mo)
01063	Molybdenum, recoverable from bottom material (ug/g as Mo)
01063	Molybdenum, total in bottom material (ug/g as Mo)
01066	Nickel, suspended recoverable (ug/L as Ni)
01066	Nickel, suspended (ug/L as Ni)
01067	Nickel, total recoverable (ug/L as Ni)
01067	Nickel, total (ug/L as Ni)
01068	Nickel, recoverable from bottom material (ug/g as Ni)
01068	Nickel, total in bottom material (ug/g as Ni)
00623	Nitrogen, ammonia plus organic, dissolved (mg/L as N)
00623	Nitrogen, kjeldahl, dissolved (mg/L as N)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
00624	Nitrogen, ammonia plus organic, suspended total (mg/L as N)
00624	Nitrogen, kjeldahl, suspended (mg/L as N)
00625	Nitrogen, ammonia plus organic, total (mg/L as N)
00625	Nitrogen, kjeldahl, total (mg/L as N)
00626	Nitrogen, ammonia plus organic, total in bottom material, dry wt (mg/kg as N)
00626	Nitrogen, kjeldahl, total in bottom material, dry wt (mg/kg as N)
39543	Parathion, suspended total (ug/L)
39543	Parathion, suspended (ug/L)
39518	PCB, suspended total (ug/L)
39518	PCB, suspended (ug/L)
09505	Radium 226, suspended total (pCi/L)
09505	Radium 226, suspended (pCi/L)
07082	Rhodamine Wt, suspended total (ug/L)
07082	Rhodamine Wt, suspended (ug/L)
01136	Rubidium, suspended total (ug/L as Rb)
01136	Rubidium, suspended (ug/L as Rb)
29633	Scandium 46, suspended total (pCi/L)
29633	Scandium 46, suspended (pCi/L)
29634	Scandium 46, suspended total, counting error (pCi/L)
29634	Scandium 46, suspended, counting error (pCi/L)
01146	Selenium, suspended total (ug/L as Se)
01146	Selenium, suspended (ug/L as Se)
07102	Selenium 75, suspended total (pCi/L)
07102	Selenium 75, suspended (pCi/L)
07103	Selenium 75, suspended total, counting error (pCi/L)
07103	Selenium 75, suspended, counting error (pCi/L)
01076	Silver, suspended recoverable (ug/L as Ag)
01076	Silver, suspended (ug/L as Ag)
01077	Silver, total recoverable (ug/L as Ag)
01077	Silver, total (ug/L as Ag)
01078	Silver, recoverable from bottom material (ug/g as Ag)
01078	Silver, total in bottom material (ug/g as Ag)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
---------------	---

07122	Silver 110, suspended total (pCi/L)
07122	Silver 110, suspended (pCi/L)
07123	Silver 110, suspended total, counting error (pCi/L)
07123	Silver 110, suspended, counting error (pCi/L)
39763	Silvex, suspended total (ug/L)
39763	Silvex, suspended (ug/L)
70299	Solids, residue at 110 deg. C, suspended total (mg/L)
70299	Solids, residue at 110 deg. C, suspended (mg/L)
01081	Strontium, suspended recoverable (ug/L as Sr)
01081	Strontium, suspended (ug/L as Sr)
01082	Strontium, total recoverable (ug/L as Sr)
01082	Strontium, total (ug/L as Sr)
01083	Strontium, recoverable from bottom material (ug/g as Sr)
01083	Strontium, total in bottom material (ug/g as Sr)
13505	Strontium 90, suspended total (pCi/L)
13505	Strontium 90, suspended (pCi/L)
13506	Strontium 90, suspended total, counting error (pCi/L)
13506	Strontium 90, suspended, counting error (pCi/L)
07142	Sulfur 35, suspended total (pCi/L)
07142	Sulfur 35, suspended (pCi/L)
07143	Sulfur 35, suspended total, counting error (pCi/L)
07143	Sulfur 35, suspended, counting error (pCi/L)
01101	Tin, suspended recoverable (ug/L as Sn)
01101	Tin, suspended (ug/L as Sn)
01102	Tin, total recoverable (ug/L as Sn)
01102	Tin, total (ug/L as Sn)
01151	Titanium, suspended total (ug/L as Ti)
01151	Titanium, suspended (ug/L as Ti)
39402	Toxaphene, suspended total (ug/L)
39402	Toxaphene, suspended (ug/L)
07010	Tritium, suspended total (pCi/L)
07010	Tritium, suspended (pCi/L)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
07011	Tritium, suspended total, counting error (pCi/L)
07011	Tritium, suspended, counting error (pCi/L)
07014	Tritium, suspended total, counting error (tritium units)
07014	Tritium, suspended, counting error (tritium units)
07016	Tritium, suspended total (tritium units)
07016	Tritium, suspended (tritium units)
22705	Uranium, natural, suspended total (ug/L as U natural)
22705	Uranium, natural, suspended (ug/L as U natural)
01086	Vanadium, suspended total (ug/L as V)
01086	Vanadium, suspended (ug/L as V)
01091	Zinc, suspended recoverable (ug/L as Zn)
01091	Zinc, suspended (ug/L as Zn)
01092	Zinc, total recoverable (ug/L as Zn)
01092	Zinc, total (ug/L as Zn)
01093	Zinc, recoverable from bottom material (ug/g as Zn)
01093	Zinc, total in bottom material (ug/g as Zn)
01161	Zirconium, suspended total (ug/L as Zr)
01161	Zirconium, suspended (ug/L as Zr)
39733	2,4-D, suspended total (ug/L)
39733	2,4-D, suspended (ug/L)
39743	2,4,5-T, suspended total (ug/L)
39743	2,4,5-T, suspended (ug/L)





# INDEX

		335
	Page	Page
Accuracy of field data and computed results. . .	18	
Acre-foot, definition of . . . . .	5	
Appendix . . . . .	315-333	
Aquifer, definition of . . . . .	5	
Artesian, definition of . . . . .	5	
Back River at DuPont Intake. . . . .	183-187	
Bacteria, definition of . . . . .	5	
Bear Creek at Lancaster. . . . .	66	
Beaverdam Creek at 400-D at Savannah River Plant	236	
Beaverdam Creek at mouth at Savannah River Plant	237-238	
Bed material, definition of . . . . .	6	
Big Beaver Creek near St. Matthews . . . . .	140	
Biochemical oxygen demand, definition of . . . . .	6	
Biomass, definition of . . . . .	6	
Black Creek near Hartsville. . . . .	31	
near McBee . . . . .	30	
Black River at Kingstree . . . . .	56-63	
near Gable . . . . .	55	
Bottom material, definition of . . . . .	6	
Broad River at Alston. . . . .	123	
at Richtex . . . . .	124	
near Carlisle. . . . .	83-90	
near Jenkinsville. . . . .	116-122	
Broad River basin, surface water records in. . .	205	
Catawba River near Catawba . . . . .	65	
near Rock Hill . . . . .	64	
Catfish Canal at Sellers . . . . .	39	
Cedar Creek at Society Hill. . . . .	29	
near Blythewood. . . . .	126	
Cells/volume, definition of . . . . .	6	
CFS-day, definition of . . . . .	7	
Chattooga River near Clayton, Ga . . . . .	216	
Chemical oxygen demand, definition of . . . . .	7	
Chlorophyll, definition of . . . . .	7	
Clark Fork Creek near Smyrna . . . . .	77	
Clark Hill Lake near Clarks Hill . . . . .	221	
Collection and computation of surface-water data	15	
Collection and examination of water-quality data	19	
Collection and reporting of ground-water data. .	21	
Color unit, definition of . . . . .	7	
Combahee River basin, crest-stage partial record		
stations in . . . . .	266	
Surface water records in . . . . .	204	
Congaree River at Columbia . . . . .	138	
Contents, definition of . . . . .	7	
Control, definition of . . . . .	7	
Control structure, definition of . . . . .	7	
Cooperation. . . . .	2	
Cooper River at inlet to Back River. . . . .	179-180	
Cooper River basin, surface water records in . .	170	
Cooper River at Rice Mill. . . . .	181-182	
Cooper River near Goose Creek. . . . .	188-190	
Cooper River near North Charleston . . . . .	191-192	
Coosawhatchie River near Hampton . . . . .	205-211	
Cow Castle Creek near Bowman . . . . .	197	
Crawl Creek near Pineville . . . . .	152	
Cubic foot per second, definition of . . . . .	7	
Cubic feet per second per square mile, definition of . . . . .	7	
Data, accuracy of . . . . .	18	
other data available . . . . .	19	
Dean Swamp Creek near Salley . . . . .	193	
Definition of terms. . . . .	5	
Discharge, definition of . . . . .	7	
Dissolved, definition of . . . . .	7	
Downstream order and station numbers . . . . .	13	
Drainage area, definition of . . . . .	8	
Drainage basin, definition of . . . . .	8	
Edisto River basin, crest-stage partial record		
stations in . . . . .	266	
Surface water records in . . . . .	193	
Edisto River near Branchville. . . . .	196	
near Givhans . . . . .	198-203	
North Fork, at Orangeburg. . . . .	195	
Enoree River at Whitmire . . . . .	100-107	
Fecal coliform bacteria, definition of . . . . .	6	
Fecal streptococcal bacteria, definition of. . .	6	
Fork Creek at Jefferson. . . . .	40	
Four Mile Creek at Road A-12.2 at Savannah River		
Plant . . . . .	249	
near Jackson . . . . .	239-240	
Gage height, definition of . . . . .	8	
Gaging station, definition of. . . . .	8	
Gills Creek at Columbia. . . . .	139	
Great Swamp near Ridgeland . . . . .	214-215	
Canal No. 1 near Ridgeland . . . . .	213	
Canal No. 2 near Ridgeland . . . . .	212	
Hamilton Creek near Easley . . . . .	129	
Hanging Rock Creek near Kershaw. . . . .	41	
Hardness, definition of. . . . .	8	
Hartwell Lake near Hartwell, Ga. . . . .	218	
Hellers Creek near Pomaria . . . . .	108	
Horn Creek near Colliers . . . . .	222	
Hydrologic bench-mark station, definition of . .	14	
Hydrologic conditions, summary of. . . . .	2	
graph of . . . . .	4	
Hydrologic unit, definition of . . . . .	8	
Introduction . . . . .	1	
Lake Greenwood near Chappells. . . . .	133	
Lake Marion near Pineville . . . . .	149	
Lake Moultrie near Pinopolis . . . . .	170	
Lake Murray near Columbia. . . . .	136	
Lakes and reservoirs in Pee Dee River basin and		
Santee River basin. . . . .	263	
Lakes Marion-Moultrie diversion canal near		
Pineville . . . . .	141-148	
Lake William C. Bowen near Fingerville . . . . .	79	
Land surface datum, definition of. . . . .	21	
Lawsons Fork Creek at Dewey Plant near Inman . .	81	
Little Pee Dee River at Galivants Ferry. . . . .	50	
Little River near Walhalla . . . . .	217	
Lower Three Runs below Par Pond at Savannah		
River Plant . . . . .	256	
Lower Three Runs near Snelling . . . . .	257	
Lynches River at Effingham . . . . .	42-49	
Map showing location of crest-stage stations and		
ground-water wells. . . . .	24	
Map showing location of streamflow stations,		
reservoir or lake gaging stations, and		
water-quality stations. . . . .	23	
Measuring point, definition of . . . . .	21	
Methylene blue active substance, definition of .	8	
Micrograms per gram, definition of . . . . .	8	
Micrograms per liter, definition of. . . . .	8	
Middle Saluda River near Cleveland . . . . .	128	
Milligrams per liter, definition of. . . . .	8	
Minim Creek at AICWW near North Santee . . . . .	162-165	
Monticello Reservoir near Jenkinsville . . . . .	109-115	
National Geodetic Vertical Datum of 1929 (NGVD).		8
National stream-quality accounting network		
(NASQAN), definition of . . . . .	14	
Neals Creek near Carlisle. . . . .	82	
New River basin, surface-water records in. . . .	212	
Ninety-six Creek near Ninety-six . . . . .	134	
North Pacolet River at Fingerville . . . . .	79	
North Santee River near North Santee . . . . .	160-161	
North Tyger River near Fairmont. . . . .	91	
Notice . . . . .	5	
Numbering system for wells and miscellaneous		
sites . . . . .	13	
Organism, definition of. . . . .	9	
Organism count/area, definition of . . . . .	9	
Organism count/volume, definition of . . . . .	9	
Pacolet River near Fingerville . . . . .	80	
Partial record station, definition of. . . . .	9	
Particle size, definition of . . . . .	9	
Particle size classification, definition of. . .	9	
Pee Dee River at Peedee. . . . .	32-38	
Pee Dee River basin, crest-stage partial record		
stations in . . . . .	264	
Surface water records in . . . . .	26	
Pen Branch at Road A-13.2 at Savannah River		
Plant . . . . .	250	
Pesticide program, definition of . . . . .	15	

	Page		Page
Pesticides, definition of . . . . .	9	South Santee River at AICWW near McClellanville.	166-169
Picocurie, definition of . . . . .	9	Special networks and programs . . . . .	14
Plankton, definition of . . . . .	10	Specific conductance, definition of . . . . .	11
Preface . . . . .	III	Stage-discharge relation, definition of . . . . .	11
Publications . . . . .	22	Station numbers . . . . .	13
		Steel Creek at Old Hattiesville Bridge at	
Radiochemical program, definition of . . . . .	15	Savannah River Plant. . . . .	253
Recoverable from bottom material, definition of.	12	near Snelling. . . . .	251-252
Reedy River near Ware Shoals . . . . .	131	Streamflow, definition of . . . . .	11
Reservoirs and lakes in Pee Dee River basin and		Substrate, definition of . . . . .	11
Santee River basin. . . . .	263	Surface area, definition of . . . . .	11
Rocky Creek at Great Falls . . . . .	67	Suspended, recoverable, definition of . . . . .	11
Runoff in inches, definition of . . . . .	10	Suspended, total, definition of . . . . .	12
Salkehatchie River near Miley. . . . .	204	Temperature, water . . . . .	20
Saluda River at Chappells. . . . .	135	Tims Branch at Road C at Savannah River Plant. .	230
near Columbia. . . . .	137	Tons per acre-foot, definition of . . . . .	12
near Ware Shoals . . . . .	130	Tons per day, definition of . . . . .	12
Santee River basin, crest-stage partial-record		Total coliform bacteria . . . . .	5
stations in . . . . .	264	Total, definition of . . . . .	12
Surface water records in . . . . .	64	Total in bottom material, definition of . . . . .	13
Santee River below St. Stephens. . . . .	153-154	Total load, definition of . . . . .	12
near Honey Hill. . . . .	158-159	Total, recoverable, definition of . . . . .	12
near Jamestown . . . . .	156-157	Tritium network, definition of . . . . .	15
near Pineville . . . . .	150	Tyger River near Delta . . . . .	92-99
near Russellville. . . . .	151		
Savannah River at Augusta, Ga. . . . .	223-225	Upper Three Runs above Road C at Savannah River	
below Steel Creek near Millett . . . . .	254-255	Plant . . . . .	231
near Calhoun Falls . . . . .	220	Upper Three Runs at Road A at Savannah River	
near Clio, Ga. . . . .	258-262	Plant . . . . .	232
near Iva . . . . .	219	Upper Three Runs near New Ellenton . . . . .	226-229
near Jackson . . . . .	233-235		
Savannah River basin, crest-stage partial record		Waccamaw River basin, surface water records in .	25
stations in . . . . .	266	Waccamaw River near Longs. . . . .	25
Surface water records in . . . . .	216	Water year, definition of . . . . .	13
Scape Ore Swamp near Bishopville . . . . .	51-54	Wateree River below Eastover . . . . .	69-76
Sediment, definition of . . . . .	10	Wateree River near Camden. . . . .	68
Site No. 1 at Savannah River Plant . . . . .	241	Wedboo Creek near Jamestown. . . . .	155
Site No. 2 at Savannah River Plant . . . . .	242	Wells, description of . . . . .	13
Site No. 3 at Savannah River Plant . . . . .	243	Numbers of . . . . .	14
Site No. 4 at Savannah River Plant . . . . .	244	Water-level measurements in . . . . .	268-314
Site No. 5 at Savannah River Plant . . . . .	245	West Branch Cooper River at Lewisfield	
Site No. 5B at Savannah River Plant. . . . .	246	Plantation near Moncks Corner . . . . .	171-174
Site No. 6 at Savannah River Plant . . . . .	247	West Branch Cooper River at Pimlico near Moncks	
Site No. 7 at Savannah River Plant . . . . .	248	Corner. . . . .	175-178
Smith Branch at North Main Street at Columbia. .	127	West Fork Little River near Salem Crossroads . .	125
Solute, definition of . . . . .	11	Whites Creek near Wallace. . . . .	26-28
South Fork Edisto River near Denmark . . . . .	194	WRD, definition of . . . . .	13
South Rabon Creek near Grey Court. . . . .	132	WSP, definition of . . . . .	13







U.S. DEPARTMENT OF THE INTERIOR  
Geological Survey  
Strom Thurmond Federal Building, Suite 658, 1835 Assembly Street  
Columbia, S.C. 29201

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300  
SPECIAL 4TH CLASS BOOK RATE

