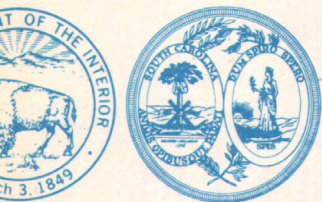
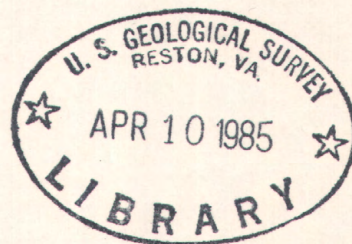


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# Water Resources Data South Carolina Water Year 1983



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-83-1  
Prepared in cooperation with the State of South Carolina  
and with other local and Federal agencies



# CALENDAR FOR WATER YEAR 1983

1982

## OCTOBER

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31						

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1983

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## SEPTEMBER

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# Water Resources Data South Carolina Water Year 1983

by C.S. Bennett, R.D. Hayes, J.W. Gissendanner, and H.E. Herlong



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-83-1  
Prepared in cooperation with the State of South Carolina  
and with other local and Federal agencies



UNITED STATES DEPARTMENT OF THE INTERIOR

WILLIAM P. CLARK, 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



## PREFACE

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

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

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J. R. Gilhousen	

Shirley I. Milton typed the text of the report.

This report was prepared in cooperation with the State of South Carolina and with other agencies under the general supervision of R. N. Cherry, District Chief, South Carolina.







## CONTENTS

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	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. . . . .	14
Special networks and programs . . . . .	15
Explanation of stage and water-discharge records. . . . .	15
Collection and computation of data. . . . .	15
Accuracy of field data and computed results . . . . .	19
Other data available. . . . .	19
Explanation of water-quality records. . . . .	19
Collection and examination of data. . . . .	19
Water analysis. . . . .	20
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 . . . . .	27
Discharge at partial-record stations. . . . .	250
Crest-stage partial-record stations . . . . .	250
Ground-water records. . . . .	253
Appendix. . . . .	321
Index . . . . .	341

## ILLUSTRATIONS

---

Figure 1. Comparison of discharge at two long-term representative gaging stations during 1983 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 . . . . .	24
5. Map showing location of ground-water wells . . . . .	25



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) . . . . .	27
<u>PEE DEE RIVER BASIN</u>	
Pee Dee River:	
Whites Creek near Wallace (d) . . . . .	28
Black Creek (head of Black Creek) near McBee (d). . . . .	29
Black Creek near Hartsville (d) . . . . .	30
Pee Dee River at Peedee (dc). . . . .	31
Catfish Canal at Sellers (d). . . . .	34
Lynches River:	
Fork Creek at Jefferson (d) . . . . .	35
Hanging Rock Creek near Kershaw (d) . . . . .	36
Lynches River at Effingham (dc) . . . . .	37
Little Pee Dee River at Galivants Ferry (d) . . . . .	40
Black River:	
Scape Ore Swamp near Bishopville (dc) . . . . .	41
Black River near Gable (d). . . . .	44
Black River at Kingstree (dc) . . . . .	45
<u>SANTEE RIVER BASIN</u>	
Catawba River (head of Santee River) near Rock Hill (d) . . . . .	48
Catawba River near Catawba (d). . . . .	49
Wateree River (continuation of Catawba River) near Camden (d) . . . . .	50
Wateree River below Eastover (dc) . . . . .	51
Broad River:	
Clark Fork Creek near Smyrna (d). . . . .	59
North Pacolet River at Fingerville (d). . . . .	60
Lake William C. Bowen near Fingerville (e). . . . .	61
Pacolet River near Fingerville (d). . . . .	62
Lawsons Fork Creek at Dewey Plant near Inman (d). . . . .	63
Neals Creek near Carlisle (d) . . . . .	64
Broad River near Carlisle (dc). . . . .	65
North Tyger River near Fairmont (d) . . . . .	73
Tyger River near Delta (dc) . . . . .	74
Enoree River at Whitmire (dc) . . . . .	82
Hellers Creek near Pomaria (d). . . . .	90
Monticello Reservoir near Jenkinsville (c). . . . .	91
Broad River near Jenkinsville (c) . . . . .	98
Broad River at Alston (d) . . . . .	105
Broad River at Richtex (d). . . . .	106
West Fork Little River near Salem Crossroads (d). . . . .	107
Cedar Creek near Blythewood (d) . . . . .	108
Smith Branch at North Main Street at Columbia (d) . . . . .	109
Saluda River:	
Middle Saluda River near Cleveland (d). . . . .	110
Hamilton Creek near Easley (d). . . . .	111
Saluda River near Ware Shoals (d) . . . . .	112
Reedy River near Ware Shoals (d). . . . .	113
Lake Greenwood near Chappells (e) . . . . .	114

## GAGING STATIONS IN DOWNSTREAM ORDER

VII

SOUTH ATLANTIC SLOPE BASINS--Continued	Page
Santee River Basin--Continued	
Ninety-six Creek near Ninety-six (d) . . . . .	115
Saluda River at Chappells (d) . . . . .	116
Lake Murray near Columbia (g) . . . . .	117
Saluda River near Columbia (d) . . . . .	118
Congaree River (continuation of Broad River) at Columbia (d) . . . . .	119
Gills Creek at Columbia (d) . . . . .	120
Big Beaver Creek near St. Matthews (d) . . . . .	121
Santee River:	
Lakes Marion-Moultrie diversion canal near Pineville (dc) . . . . .	122
Lake Marion near Pineville (e) . . . . .	125
Santee River near Pineville (d) . . . . .	126
Santee River near Russellville (d) . . . . .	127
Crawl Creek near Pineville (c) . . . . .	128
Santee River below St. Stephens (c) . . . . .	129
Wedboo Creek near Jamestown (d) . . . . .	130
Santee River near Jamestown (g) . . . . .	131
Santee River near Honey Hill (g) . . . . .	133
North Santee River near North Santee (g) . . . . .	135
Minim Creek at AICWW near North Santee (gc) . . . . .	137
South Santee River at AICWW near McClellanville (gc) . . . . .	141
COOPER RIVER BASIN	
Cooper River:	
West Branch Cooper River:	
Lake Moultrie near Pinopolis (e) . . . . .	145
West Branch Cooper River at Mepkin Abbey near Cordesville (c) . . . . .	146
West Branch Cooper River at Pimlico near Moncks Corner (c) . . . . .	148
Cooper River at Inlet to Back River near Kittredge (c) . . . . .	155
Cooper River at Rice Mill near Kittredge (c) . . . . .	157
Back River at DuPont Intake near Kittredge (c) . . . . .	159
Cooper River near Goose Creek (c) . . . . .	166
Cooper River near North Charleston (c) . . . . .	174
Cooper River at Mobay near North Charleston (c) . . . . .	178
Chicken Creek near North Charleston (c) . . . . .	181
Back River at Cote Bas near North Charleston (c) . . . . .	185
Back River below Foster Creek near North Charleston (c) . . . . .	190
EDISTO RIVER BASIN	
Edisto River:	
Dean Swamp Creek near Salley (d) . . . . .	192
South Fork Edisto River near Denmark (d) . . . . .	193
North Fork Edisto River at Orangeburg (d) . . . . .	194
Edisto River near Branchville (d) . . . . .	195
Edisto River near Givhans (dc) . . . . .	196
COMBAHEE RIVER BASIN	
Salkehatchie River (head of Combahee River) near Miley (d) . . . . .	199
BROAD RIVER BASIN	
Coosawhatchie River (head of Broad River) near Hampton (dc) . . . . .	200
NEW RIVER BASIN	
Great Swamp Canal No. 2 near Ridgeland (c) . . . . .	203
Great Swamp Canal No. 1 near Ridgeland (c) . . . . .	204
Great Swamp near Ridgeland (dc) . . . . .	205



SOUTH ATLANTIC SLOPE BASINS--Continued	Page
SAVANNAH RIVER BASIN	
Chattooga River (head of Savannah River) near Clayton, GA (d) . . . . .	207
Tugaloo River (continuation of Chattooga River):	
Toxaway River (head of Seneca River):	
Little River near Walhalla (d). . . . .	208
Hartwell Lake near Hartwell, GA (e) . . . . .	209
Clark Hill Lake near Clarks Hill (e). . . . .	210
Horn Creek near Colliers (d). . . . .	211
Savannah River at Augusta, GA (dt). . . . .	212
Upper Three Runs near New Ellenton (dc) . . . . .	215
Upper Three Runs above Road C at Savannah River Plant (d) . . . . .	218
Upper Three Runs at Road A at Savannah River Plant (d). . . . .	219
Savannah River near Jackson (dt). . . . .	220
Beaverdam Creek at 400-D at Savannah River Plant (d). . . . .	223
Beaverdam Creek at mouth at Savannah River Plant (t). . . . .	224
Fourmile Creek near Jackson (t) . . . . .	226
Site 1 at Savannah River Plant (d). . . . .	228
Site 2 at Savannah River Plant (d). . . . .	229
Site 3 at Savannah River Plant (d). . . . .	230
Site 4 at Savannah River Plant (d). . . . .	231
Site 5 at Savannah River Plant (d). . . . .	232
Site 5B at Savannah River Plant (d) . . . . .	233
Site 6 at Savannah River Plant (d). . . . .	234
Site 7 at Savannah River Plant (d). . . . .	235
Fourmile Creek at Road A-12.2 at Savannah River Plant (d) . . . . .	236
Pen Branch at Road A-13.2 at Savannah River Plant (d) . . . . .	237
Steel Creek near Snelling (t) . . . . .	238
Steel Creek at Old Hattiesville Bridge at Savannah River Plant (d). . . . .	240
Savannah River below Steel Creek near Millett (t) . . . . .	241
Lower Three Runs near Snelling (d). . . . .	243
Savannah River at Burtons Ferry Bridge near Millhaven, GA (d) . . . . .	244
Savannah River near Clyo (dc) . . . . .	245
Lakes and Reservoirs in Pee Dee River basin and Santee River basin (eg) . . . .	249

## GROUND-WATER WELLS, BY COUNTY

IX

	Page
<u>AIKEN</u>	
Savannah R. Plant, U.S. Atomic Energy Commission (AK-430) . . . . .	254
<u>BARNWELL</u>	
Town of Williston (BRN-78). . . . .	255
Chem-Nuclear (BRN-102). . . . .	256
Chem-Nuclear (BRN-151). . . . .	257
Chem-Nuclear (BRN-154). . . . .	258
Chem-Nuclear (BRN-155). . . . .	259
<u>BEAUFORT</u>	
U.S. Marine Corps Air Station, U.S. Marine Corps (BFT-121). . . . .	260
Victoria Bluff, S.C. Wildlife & Marine Resources Dept. (BFT-429). . . . .	261
Hilton Head Island, Sea Pines Plantation (BFT-439). . . . .	262
Hilton Head Island, Palmetto Dunes Development Co. (BFT-444). . . . .	263
Parris Island, S.C. Water Resources Commission (BFT-453). . . . .	264
Hilton Head Island, City of Hilton Head (BFT-786) . . . . .	265
Hilton Head Island, City of Hilton Head (BFT-787) . . . . .	266
<u>BERKELEY</u>	
St. Stephens, U.S. Army Corps of Engineers (BRK-62) . . . . .	267
St. Stephens, U.S. Army Corps of Engineers (BRK-63) . . . . .	268
St. Stephens, U.S. Army Corps of Engineers (BRK-64) . . . . .	269
St. Stephens, U.S. Army Corps of Engineers (BRK-65) . . . . .	270
St. Stephens, U.S. Army Corps of Engineers (BRK-66) . . . . .	271
St. Stephens, U.S. Army Corps of Engineers (BRK-67) . . . . .	272
St. Stephens, U.S. Army Corps of Engineers (BRK-68) . . . . .	273
St. Stephens, U.S. Army Corps of Engineers (BRK-69) . . . . .	274
St. Stephens, U.S. Army Corps of Engineers (BRK-70) . . . . .	275
St. Stephens, U.S. Army Corps of Engineers (BRK-71) . . . . .	276
St. Stephens, U.S. Army Corps of Engineers (BRK-74) . . . . .	277
St. Stephens, U.S. Army Corps of Engineers (BRK-75) . . . . .	278
St. Stephens, U.S. Army Corps of Engineers (BRK-78) . . . . .	279
Summerville, Berkeley-Sangaree Public Service District (BRK-91) . . . . .	280
<u>CALHOUN</u>	
Town of Cameron (CAL-2) . . . . .	281
<u>CHARLESTON</u>	
Charleston, U.S. Department of Agriculture (CHN-44) . . . . .	282
Charleston, U.S. Forest Service (CHN-101) . . . . .	283
Charleston, Town of Edisto Beach (CHN-497). . . . .	284
<u>CLARENDON</u>	
Manning, Town of Manning (CLA-3). . . . .	285
<u>COLLETON</u>	
Canadys, S.C. Water Resources Commission (COL-97) . . . . .	286
<u>DILLON</u>	
Lakeview, Town of Lakeview (DIL-79) . . . . .	287
<u>DORCHESTER</u>	
Harleyville, Ford Redimix Concrete Co. (DOR-103). . . . .	288
<u>FLORENCE</u>	
Timmons ville, Town of Timmons ville (FLO-85) . . . . .	289
Florence, City Products (FLO-99). . . . .	290
Florence, E. I. Dupont de Nemours, Inc. (FLO-128) . . . . .	291
Mars Bluff, E.I. DuPont de Nemours Co. (FLO-129). . . . .	292



	Page
<u>GEORGETOWN</u>	
Georgetown, City of Georgetown (GEO-17) . . . . .	293
Georgetown, Georgetown Rural Water District (GEO-77). . . . .	294
Pawleys Island, Johnnie Strait (GEO-84) . . . . .	295
<u>GREENVILLE</u>	
Greenville, Brushy Creek School (GRV-709) . . . . .	296
<u>HAMPTON</u>	
Hampton County Landfill, S.C. Water Resources Commission (HAM-82) . . . . .	297
Yemassee, South Carolina Water Resources Commission (HAM-83). . . . .	298
<u>HORRY</u>	
Collins Park, City of Conway (HO-307) . . . . .	299
North Myrtle Beach, City of North Myrtle Beach (HO-433) . . . . .	300
<u>JASPER</u>	
Ridgeland, Ted Roach (JAS-144). . . . .	301
<u>KERSHAW</u>	
Town of Elgin (KER-100) . . . . .	302
<u>LEE</u>	
Bishopville, Robert W. Merck (LE-23). . . . .	303
<u>Marion</u>	
Britton Neck, South Carolina Forestry Commission (MRN-77) . . . . .	304
<u>MARLBORO</u>	
Bennettsville, Oak River Mills (MLB-110). . . . .	305
Bennettsville, Town of Bennettsville (MLB-112). . . . .	306
<u>ORANGEBURG</u>	
Norway, Town of Norway (ORG-95) . . . . .	307
<u>RICHLAND</u>	
Columbia, Shakespeare Manufacturing Co. (RIC-40). . . . .	308
Columbia, Hercules, Inc. (RIC-63) . . . . .	309
Columbia, Lincolnshire subdivision (RIC-309). . . . .	310
Congaree Swamp, U.S. Park Service (RIC-341) . . . . .	311
Congaree Swamp, U.S. Park Service (RIC-342) . . . . .	312
Congaree Swamp, U.S. Park Service (RIC-343) . . . . .	313
Congaree Swamp, U.S. Park Service (RIC-344) . . . . .	314
Congaree Swamp, U.S. Park Service (RIC-345) . . . . .	315
Congaree Swamp, U.S. Park Service (RIC-346) . . . . .	316
<u>SUMTER</u>	
Sumter, City of Sumter (SU-9) . . . . .	317
Sumter, City of Sumter (SU-191) . . . . .	318
<u>WILLIAMSBURG</u>	
Stuckey, Town of Stuckey (WIL-76) . . . . .	319
<u>YORK</u>	
Ft. Mill, Tega Cay Development Co. (YK-147) . . . . .	320

## WATER RESOURCES DATA FOR SOUTH CAROLINA, 1983

### INTRODUCTION

Water resources data for the 1983 water year for South Carolina consist of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and ground-water levels. This report contains discharge records for 77 gaging stations; stage-only records for 5 gaging stations; stage and contents for 11 lakes and reservoirs; water quality for 39 gaging stations; and water levels for 67 observation wells. Also included are data for 40 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-83-1." 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, A. H. Vang, 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  
South Carolina Department of Health and Environmental Control,  
R. S. Jackson, Commissioner  
City of Charleston, J. R. Bettis, Manager of Commission of Public Works  
City of Spartanburg, L. D. Cantrell, Chairman of Commissioners of Public  
Works

The following Federal agencies assisted in the data collection by furnishing funds or services:

Corps of Engineers, U.S. Army  
U.S. Department of Energy  
Soil Conservation Service, U.S. Department of Agriculture  
National Park Service, U.S. Department of Interior

The following organizations aided in collecting records:

Bowater-Carolina Corporation  
Caro-Knit, Inc.  
Carolina Power and Light Company  
Duke Power Company  
Milliken Corporation  
Platt-Saco-Lowell Corporation  
South Carolina Electric and Gas Company

## SUMMARY OF HYDROLOGIC CONDITIONS

The total rainfall throughout South Carolina for the 1983 water year was about normal, and the distribution of rainfall produced about average streamflow during most periods of the year. The Piedmont province, which covers the upper 35 percent of the State above the "Fall Line" is very sensitive to precipitation due to the geology and topography of the area. Rainfall produced streamflow above the computed 7-day, 10-year minimum discharge in the Piedmont as shown in the following table:

Station	Drainage area (square mile)	Minimum mean daily discharge (cubic foot per second)	7Q <sub>10</sub> discharge (cubic foot per second)
<u>Piedmont</u>			
02155500 Pacolet River near Fingerville	212	84	61
02163500 Saluda River near Ware Shoals	581	234	190
<u>Inner Coastal Plain</u>			
02135300 Scape Ore Swamp near Bishopville	96.0	8.0	6.7
<u>Lower Coastal Plain</u>			
02136000 Black River at Kingstree	1,252	29	5.7
02176500 Coosawhatchie River near Hampton	203	0.84	0.03

Low-flow conditions in the Inner and Lower Coastal Plain provinces were also above normal as shown by the preceding table. Rainfall in these provinces ranged from 17 percent below normal at Columbia to 1 percent above normal in Charleston. Figure 1 on page 4 shows a comparison of monthly and yearly mean discharges during water year 1983 with the median of monthly and yearly discharges for the periods listed for two index stations in these areas.

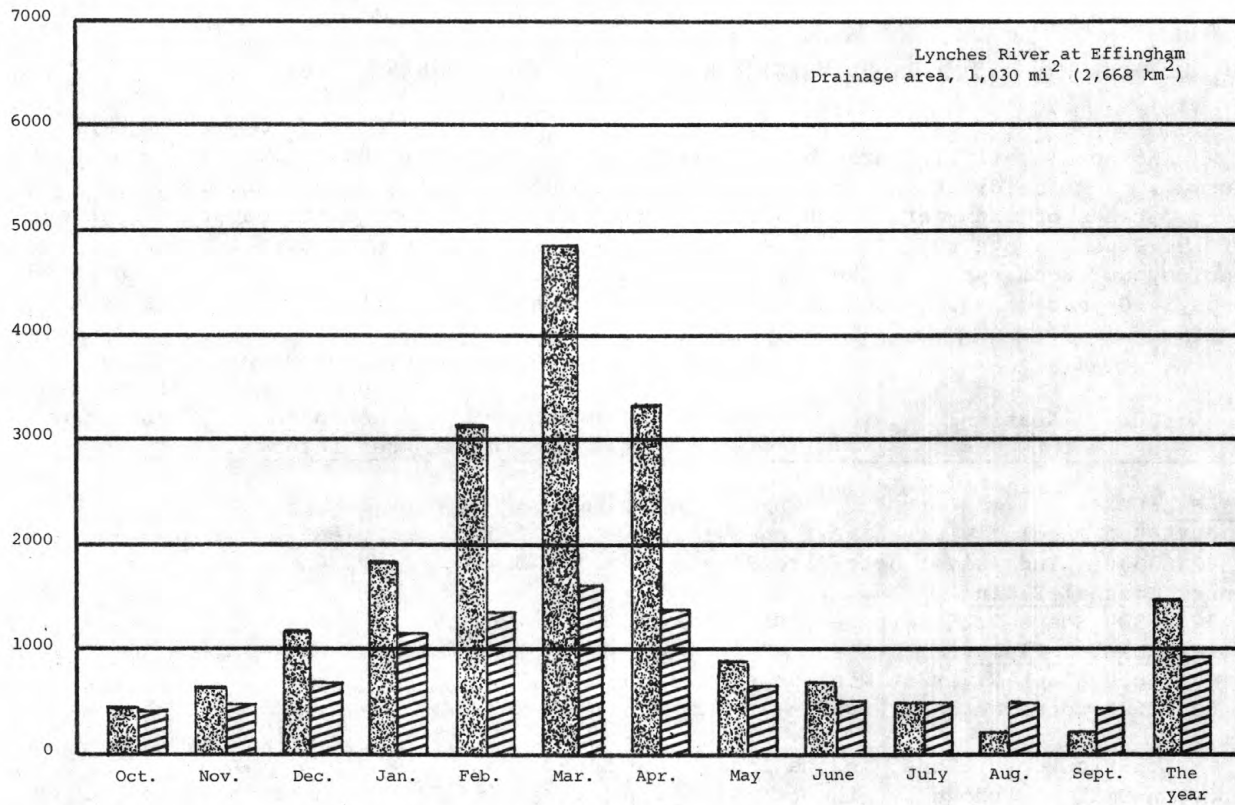
Flood conditions in the State were generally nonexistent during the water year. Peaks were recorded during various months due to the erratic precipitation which occurred this year.

Ground-water levels, like streamflow, strongly reflected climatic conditions. In the Piedmont, ground water occurs in the fault and fracture system of the crystalline rock and in places in the shallow material overlying the hard rock. Water levels in the area quickly reflect the amount of precipitation received. During the first 7 months of the 1983 water year precipitation in the South Carolina Piedmont was higher than normal. Maximum ground-water levels occurred in May or early June in the northwestern part of the State and declined from June to October.

In the Coastal Plain, 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 withdrawal 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 there is continual pumping on a year-round basis. Ground-water levels in the Black Creek aquifer at North Myrtle Beach declined about 20 feet during the water year to about 65 feet below sea level,



## HYDROLOGIC CONDITIONS



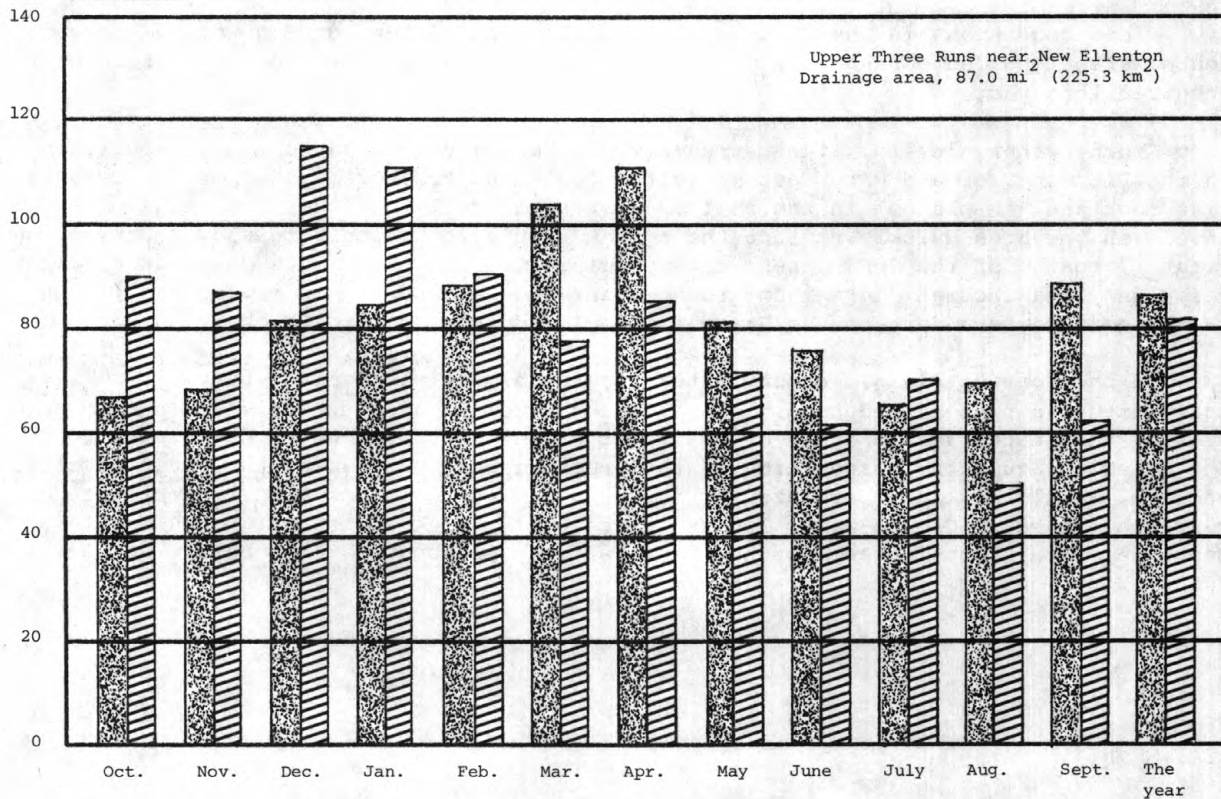
## Explanation



Median of monthly and yearly mean discharges for water years 1931-70.



Monthly and yearly mean discharges during 1983 water year.



## Explanation



Median of monthly and yearly mean discharges for water years 1967-78.



Monthly and yearly mean discharges during 1983 water year.

Figure 1.--Comparison of discharge of two long-term representative gaging stations during 1983 water year with median discharges.

and water levels at the center of the cone of depression at Myrtle Beach were lower. 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 are affected more by recharge from precipitation than from pumping. Variation in water levels for wells included in this report are illustrated by hydrographs below the tables in the ground-water section.

Water-quality data were collected at 39 surface-water sites during this water year. Comparison of this data with previous years showed little change in the chemical quality occurred this year.

#### 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 + 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°C + 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal streptococcal bacteria are bacteria 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°C + 1.0°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°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°C for zooplankton and 105°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 multi-celled 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  $\mu$ 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 ( $\mu\text{g/L}$ ,  $\text{g/L}$ ) 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 ( $\text{MG/L}$ ,  $\text{mg/L}$ ) 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 ( $\text{m}^2$ ), 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, 1983, is called the "1983 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 indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention 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.

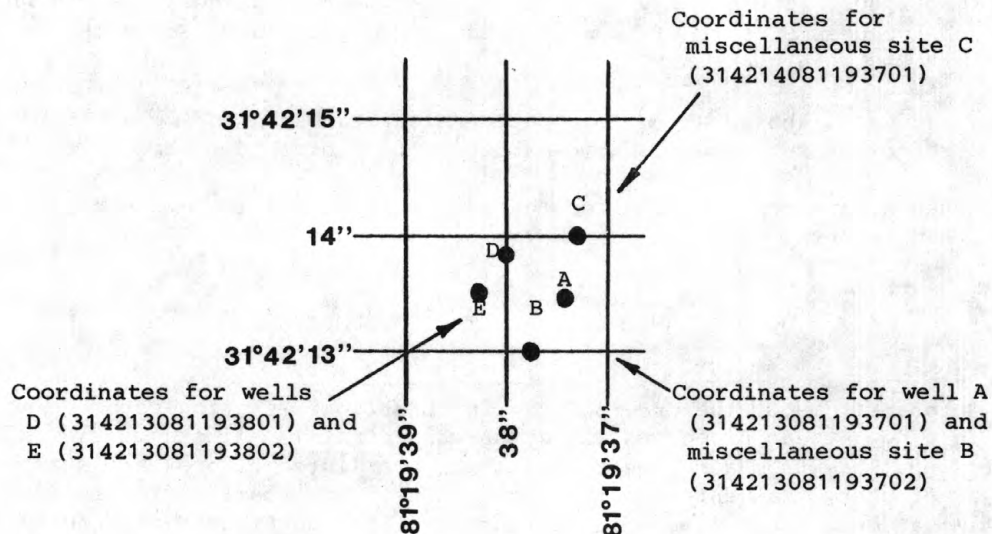


Figure 2.--System for numbering wells and miscellaneous sites (latitude and longitude)

## 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."

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. 5). 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 day.

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-seven 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, 604 South Pickett St., Alexandria, VA 22304 (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-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 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-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-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. Greeson, T. A. Ehlike, 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.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-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.

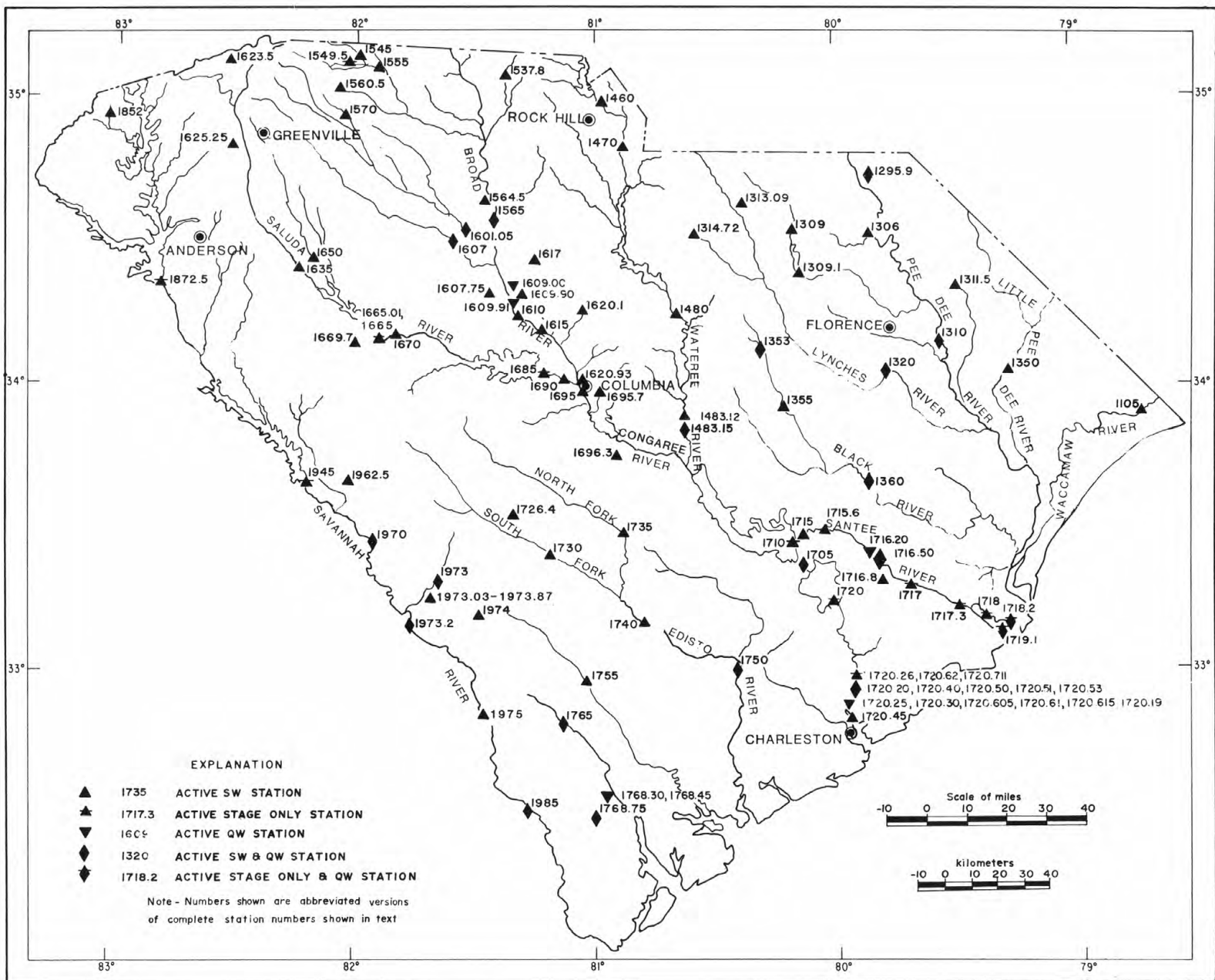
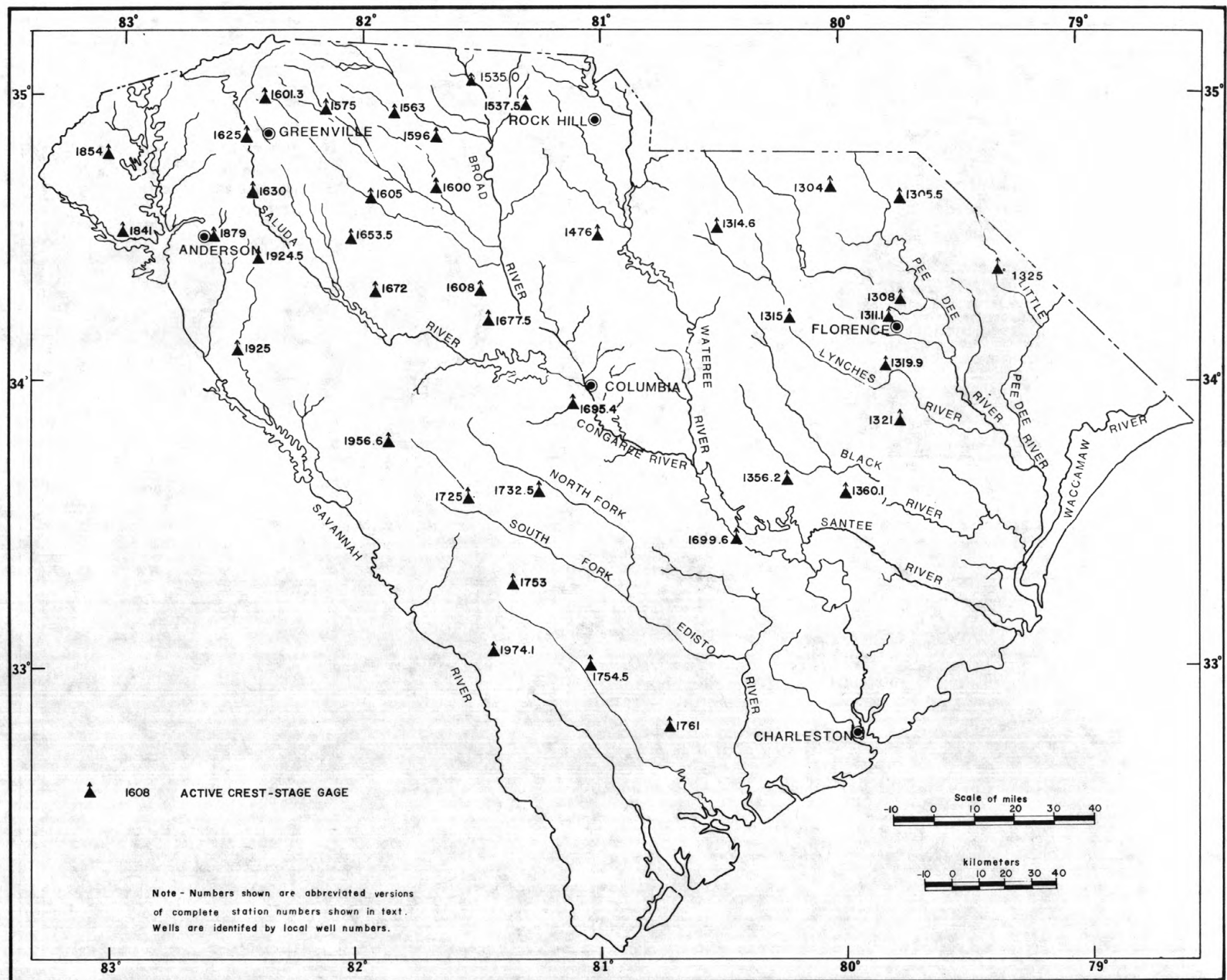


Figure 3.--Location of streamflow stations, reservoir or lake gaging stations, and water-quality stations.

Figure 4.--Location of crest-stage stations.



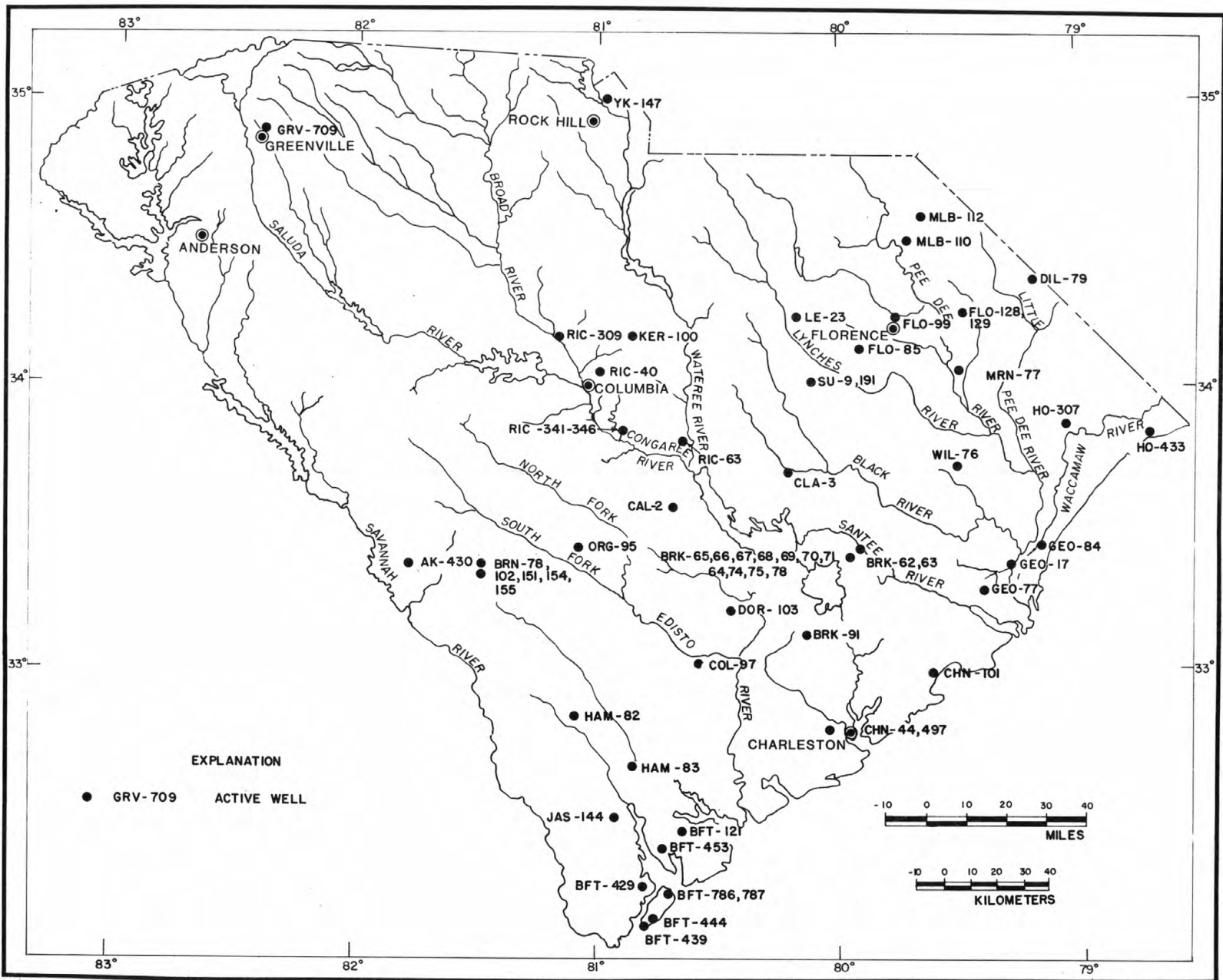


Figure 5.--Location of ground-water wells.



**SURFACE WATER RECORDS**

## GAGING-STATION RECORDS

27

## WACCAMAW RIVER BASIN

02110500 WACCAMAW RIVER NEAR LONGS, SC

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 downstream from Buck Creek, 2.1 mi southeast of Longs, and at mile 85.4.

DRAINAGE AREA.--1,110 mi<sup>2</sup>, approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 5.28 ft 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 fair.

AVERAGE DISCHARGE.--33 years, 1,244 ft<sup>3</sup>/s, 15.22 in/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,200 ft<sup>3</sup>/s Mar. 26, gage height, 14.40 ft; minimum daily, 8.0 ft<sup>3</sup>/s Sept. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	307	3130	544	1890	2630	6800	9290	1700	176	392	200	21
2	328	3040	527	2250	2740	6830	8500	1630	173	418	180	23
3	342	2850	517	3260	3000	6450	7780	1540	181	494	160	26
4	350	2670	513	3890	3000	6020	7100	1480	194	581	140	26
5	347	2660	510	3950	2960	5660	6520	1390	201	801	120	20
6	333	2430	540	3900	3040	5580	6050	1320	209	1020	105	13
7	311	2220	570	3930	3230	6250	5670	1260	227	1240	92	10
8	291	2070	599	3970	3260	6670	5360	1210	421	1280	90	8.0
9	270	1970	594	3970	3270	6650	5130	1150	489	1260	80	9.0
10	250	1870	581	3940	3330	6450	4830	1100	453	1250	74	10
11	232	1790	575	3880	4070	6320	4460	1030	458	1250	66	12
12	217	1720	719	3790	4700	6170	4100	965	488	1240	60	14
13	204	1650	936	3660	4890	5910	3770	891	531	1210	54	12
14	198	1570	996	3510	5410	5590	3470	821	579	1140	48	10
15	197	1470	1060	3360	6140	5220	3230	745	630	1050	42	11
16	196	1360	1150	3190	6520	4850	3310	668	660	962	38	14
17	196	1280	1300	2930	6890	4820	3160	587	672	877	35	12
18	196	1210	1520	2810	7310	6140	3000	512	676	808	33	10
19	196	1130	1760	2610	7480	7350	2890	444	680	778	31	12
20	196	1060	1940	2410	7510	8080	2800	385	683	788	30	13
21	197	994	2020	2250	7430	8550	2730	338	686	727	28	14
22	198	930	2040	2310	7250	9130	2660	299	683	654	30	14
23	201	872	2060	2300	7590	9590	2600	269	666	585	43	14
24	275	821	2070	2170	7740	10100	2540	251	636	513	60	12
25	1170	767	2060	2050	7430	11200	2430	240	587	455	72	12
26	1880	718	2040	1940	7040	12000	2270	220	521	443	90	11
27	1960	669	2010	1900	6710	12100	2120	206	452	389	82	10
28	1880	627	1940	2220	6490	11700	1990	196	392	338	74	10
29	2140	604	1880	2530	---	11300	1870	190	346	315	66	9.7
30	2610	574	1860	2640	---	10700	1790	187	350	265	47	9.9
31	3020	---	1920	2680	---	10000	---	183	---	225	25	---
TOTAL	20688	46726	39351	92090	149060	240180	123420	23407	14100	23748	2295	402.6
MEAN	667	1558	1269	2971	5324	7748	4114	755	470	766	74.0	13.4
MAX	3020	3130	2070	3970	7740	12100	9290	1700	686	1280	200	26
MIN	196	574	510	1890	2630	4820	1790	183	173	225	25	8.0
CFSM	.60	1.40	1.14	2.68	4.80	6.98	3.71	.68	.42	.69	.07	.01
IN.	.69	1.57	1.32	3.09	5.00	8.05	4.14	.78	.47	.80	.08	.01

CAL YR 1982 TOTAL 573179.0 MEAN 1570 MAX 5760 MIN 31 CFSM 1.41 IN 19.21  
WTR YR 1983 TOTAL 775467.6 MEAN 2125 MAX 12100 MIN 8.0 CFSM 1.91 IN 25.99

## PEE DEE RIVER BASIN

02129590 WHITES CREEK NEAR WALLACE, SC

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 downstream from lake spillway, and 3.0 miles northwest of Wallace.

DRAINAGE AREA.--26.4 mi<sup>2</sup>.

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

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

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 608 ft<sup>3</sup>/s Mar. 18, 1983, gage height, 6.45 ft; minimum, 0.11 ft<sup>3</sup>/s June 29, 30, July 1, 2, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 608 ft<sup>3</sup>/s Mar. 18, gage height, 6.45 ft; minimum, 1.7 ft<sup>3</sup>/s Aug. 21, gage height, 1.30 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	12	13	44	26	64	104	52	30	11	5.8	4.8
2	7.5	11	14	47	37	69	105	49	28	11	5.4	5.1
3	6.5	11	13	61	69	73	95	45	22	12	5.5	5.4
4	5.9	13	12	66	98	69	80	42	15	11	5.6	6.1
5	5.6	13	12	62	97	65	71	40	14	9.2	5.4	6.6
6	5.3	13	12	46	80	63	63	38	14	8.5	5.4	6.2
7	5.2	14	12	36	78	106	60	37	14	7.7	5.3	5.4
8	5.4	13	12	32	89	137	65	34	19	7.2	5.2	4.9
9	6.0	12	12	28	86	108	121	30	21	6.8	5.4	4.5
10	6.5	11	10	28	63	110	172	27	22	6.5	6.3	4.3
11	7.0	10	10	26	67	104	144	24	22	6.0	6.3	3.7
12	7.4	10	33	26	81	77	109	23	15	5.7	5.4	3.3
13	8.3	17	47	25	84	64	83	22	11	5.4	4.6	3.2
14	12	17	79	22	91	62	68	22	9.1	5.5	3.9	10
15	12	22	56	21	97	59	67	21	8.5	5.9	3.2	12
16	14	24	41	20	106	56	101	21	8.6	5.8	2.9	15
17	13	18	41	19	107	54	111	23	8.4	5.9	2.6	22
18	9.7	14	41	18	96	459	95	24	9.1	7.0	2.4	14
19	7.8	13	39	17	88	392	81	26	8.8	8.0	2.2	9.0
20	6.9	12	29	16	80	181	72	27	8.0	6.9	2.1	7.2
21	6.6	12	24	19	70	137	68	24	7.9	8.0	2.0	7.2
22	6.5	11	20	40	60	119	62	21	8.7	10	2.2	8.8
23	6.3	11	19	56	58	103	60	19	8.2	13	2.2	11
24	9.0	9.7	17	69	70	94	60	17	7.9	14	10	11
25	45	8.9	16	59	80	114	76	15	7.7	12	13	9.0
26	75	8.4	15	38	78	148	83	14	7.5	19	14	7.3
27	112	8.4	15	30	74	171	68	14	7.0	18	18	6.4
28	78	8.6	14	32	68	164	61	17	7.3	12	12	5.7
29	29	10	18	32	---	143	58	22	8.3	9.3	7.7	5.1
30	17	11	24	33	---	108	55	28	11	7.8	6.0	5.0
31	13	---	34	30	---	98	---	30	---	6.6	5.2	---
TOTAL	559.1	379.0	754	1098	2178	3771	2518	848	389.0	282.7	183.2	229.2
MEAN	18.0	12.6	24.3	35.4	77.8	122	83.9	27.4	13.0	9.12	5.91	7.64
MAX	112	24	79	69	107	459	172	52	30	19	18	22
MIN	5.2	8.4	10	16	26	54	55	14	7.0	5.4	2.0	3.2
CAL YR 1982	TOTAL	12044.7	MEAN	33.0	MAX	227	MIN	4.8				
WTR YR 1983	TOTAL	13189.2	MEAN	36.1	MAX	459	MIN	2.0				

PEE DEE RIVER BASIN

29

02130900 BLACK CREEK NEAR MCBEE, SC

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 upstream from Little Alligator Creek, 5.3 mi northeast of McBee, and at mile 59.1.

DRAINAGE AREA.--108 mi<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 National Geodetic Vertical Datum of 1929. Prior to Dec. 22, 1959, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--24 years, 145 ft<sup>3</sup>/s, 20.68 in/yr.

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

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Feb. 17	1000	552	9.18	Apr. 11	1400	527	9.11
Mar. 19	2300	*1,240	*10.61				

Minimum discharge 26 ft<sup>3</sup>/s Sept. 11, 12, 13; minimum gage height 3.66 ft Sept. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	81	100	160	131	226	293	166	160	116	37	30
2	72	76	107	179	142	221	274	160	123	135	40	35
3	66	78	112	210	166	222	296	156	108	104	64	40
4	62	82	111	205	170	230	279	160	95	117	60	42
5	50	96	103	211	189	207	257	163	113	143	52	40
6	46	113	101	221	222	237	265	168	216	117	46	36
7	41	132	102	193	213	303	251	169	151	106	42	32
8	50	150	98	155	189	303	252	152	169	77	39	30
9	65	140	89	139	200	399	315	146	170	61	39	28
10	77	102	83	145	218	333	407	142	167	53	38	27
11	82	89	85	148	215	248	510	138	121	51	36	27
12	74	88	165	157	194	212	440	130	92	67	34	26
13	66	109	194	162	190	191	340	131	82	89	32	26
14	76	119	200	146	295	176	275	142	75	72	31	118
15	102	127	278	132	368	167	255	136	72	57	29	131
16	114	135	325	122	391	160	275	129	70	52	29	91
17	92	117	252	116	529	236	271	124	64	49	28	68
18	67	101	200	105	386	533	323	125	61	44	28	52
19	60	90	196	101	266	958	294	130	60	44	28	44
20	56	86	199	101	218	996	250	121	58	45	28	55
21	55	86	171	103	194	569	231	116	60	41	28	120
22	56	83	138	151	181	403	224	112	66	39	27	95
23	59	82	120	177	210	328	213	106	91	37	27	72
24	61	81	109	189	227	345	226	101	84	37	28	56
25	158	79	108	223	281	342	237	92	64	42	29	47
26	189	76	110	227	356	318	233	92	56	78	30	42
27	195	77	110	185	284	340	239	212	53	66	30	40
28	209	80	110	156	226	375	222	189	51	65	29	39
29	217	84	117	144	---	347	197	153	59	57	29	37
30	158	87	134	143	---	323	177	136	91	47	28	38
31	93	---	149	140	---	315	---	159	---	39	27	---
TOTAL	2846	2926	4476	4946	6851	10563	8321	4356	2902	2147	1072	1564
MEAN	91.8	97.5	144	160	245	341	277	141	96.7	69.3	34.6	52.1
MAX	217	150	325	227	529	996	510	212	216	143	64	131
MIN	41	76	83	101	131	160	177	92	51	37	27	26
CFSM	.85	.90	1.33	1.48	2.27	3.16	2.57	1.31	.90	.64	.32	.48
IN.	.98	1.01	1.54	1.70	2.36	3.64	2.87	1.50	1.00	.74	.37	.54

CAL YR 1982 TOTAL 50447 MEAN 138 MAX 654 MIN 30 CFSM 1.28 IN 17.38  
WTR YR 1983 TOTAL 52970 MEAN 145 MAX 996 MIN 26 CFSM 1.34 IN 18.25



## FEE DEE RIVER BASIN

02130910 BLACK CREEK NEAR HARTSVILLE, SC

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 downstream from dam at H. B. Robinson steam electric plant, 2.1 mi upstream from Beaverdam Creek, 4.6 mi west of Hartsville, and at mile 49.9.

DRAINAGE AREA.--173 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Datum of gage is 177.48 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Some regulation by storage in steam electric plant reservoir above station.

AVERAGE DISCHARGE.--23 years, 234 ft<sup>3</sup>/s, 18.37 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,010 ft<sup>3</sup>/s, Aug. 18, 1971, gage height, 10.08 ft; minimum, 32 ft<sup>3</sup>/s July 2, 3, 1981, gage height, 1.22 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,010 ft<sup>3</sup>/s Mar. 20, gage height, 8.47 ft; minimum, 45 ft<sup>3</sup>/s Sept. 15, gage height, 1.83 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	223	137	234	233	338	449	261	219	114	91	73
2	115	261	140	241	240	361	429	255	209	130	103	73
3	112	244	142	249	243	384	426	251	196	148	130	73
4	102	237	146	253	242	315	420	257	183	149	127	73
5	96	229	147	254	240	343	411	247	181	173	121	75
6	96	217	152	255	250	450	399	244	201	188	116	76
7	96	209	153	256	259	504	370	237	224	178	111	75
8	96	205	152	258	261	485	410	229	243	163	106	76
9	101	205	151	255	261	486	547	246	237	151	103	75
10	104	202	147	254	266	549	557	240	227	140	98	75
11	104	196	149	246	285	513	560	229	215	132	95	75
12	106	190	192	245	283	411	497	214	200	135	91	74
13	108	199	194	239	285	258	396	209	181	130	90	74
14	116	194	199	236	339	203	455	202	165	128	86	90
15	116	193	208	234	456	210	532	198	154	124	81	58
16	118	190	243	227	559	220	525	197	144	118	87	91
17	118	189	268	219	556	440	465	196	135	112	92	86
18	118	187	271	215	559	638	264	185	128	105	94	90
19	117	184	269	206	530	678	411	181	121	99	92	91
20	115	180	267	199	480	906	414	181	115	95	80	98
21	116	178	266	202	398	984	279	178	112	92	80	101
22	118	175	259	212	339	873	290	175	113	90	79	117
23	115	150	249	215	334	775	309	173	110	87	79	113
24	119	127	240	219	409	633	395	172	111	85	78	111
25	160	127	232	225	394	382	398	163	110	87	80	106
26	168	126	226	233	378	606	382	160	107	101	75	102
27	176	129	220	243	342	672	333	202	101	101	75	98
28	184	130	213	249	307	541	252	220	98	100	76	95
29	194	131	218	242	---	475	262	227	101	99	75	93
30	202	134	221	238	---	318	264	226	106	97	74	90
31	202	---	230	236	---	347	---	219	---	93	73	---
TOTAL	3926	5541	6301	7289	9728	15298	12101	6574	4747	3744	2838	2597
MEAN	127	185	203	235	347	493	403	212	158	121	91.5	86.6
MAX	202	261	271	258	559	984	560	261	243	188	130	117
MIN	96	126	137	199	233	203	252	160	98	85	73	58
CFSM	.73	1.07	1.17	1.36	2.01	2.85	2.33	1.23	.91	.70	.53	.50
IN.	.84	1.19	1.35	1.57	2.09	3.29	2.60	1.41	1.02	.81	.61	.56
CAL YR 1982	TOTAL	79151	MEAN 217	MAX 1120	MIN 78	CFSM 1.25	IN 17.02					
WTR YR 1983	TOTAL	80684	MEAN 221	MAX 984	MIN 58	CFSM 1.28	IN 17.35					

PEE DEE RIVER BASIN

31

02131000 PEE DEE RIVER AT PEEDEE, SC  
(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 downstream from Seaboard Coast Line Railroad bridge, 8.2 mi downstream from Black Creek, and at mile 100.2.

DRAINAGE AREA.--8,830 mi<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 National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1947, at site 1.6 mi downstream at datum 1.27 ft lower.

REMARKS.--Records fair. Flow regulated by six powerplants above station. Combined usable capacity of reservoirs, 30,819,624,000 ft<sup>3</sup>.

AVERAGE DISCHARGE.--45 years, 9,806 ft<sup>3</sup>/s, 15.08 in/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 46,000 ft<sup>3</sup>/s Mar. 25, gage height, 24.59 ft; minimum daily, 1,600 ft<sup>3</sup>/s Aug. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4400	4870	5290	10600	11400	25800	32400	20700	8630	6940	2820	2590
2	4150	3150	6310	11400	10500	24900	30600	19000	7910	6550	2610	2740
3	3900	3990	6210	12900	12600	23900	28900	17100	8170	6270	3080	2620
4	3010	4960	7740	14400	17100	22600	27600	15900	8250	6090	4260	3550
5	2520	6640	8080	17000	19400	21400	27100	15200	7830	3990	4410	3970
6	3410	6530	7240	17900	20200	20700	27500	14300	6080	3350	5340	3080
7	4290	6630	7130	17900	20600	20700	27800	12200	4530	6880	5150	2570
8	3740	4800	7830	17200	21500	22100	27600	11800	8040	7660	3630	2100
9	3750	3550	8220	16200	22800	24100	27000	11600	11000	7240	2740	1800
10	3990	5090	7740	14900	24000	26200	26600	10100	10700	6490	3060	2200
11	3250	5950	6880	13400	24400	27700	27000	9550	10100	3850	3910	2500
12	2640	6650	7580	11900	24000	27700	28300	9720	9430	2990	4270	1800
13	4830	6940	11800	11000	24100	26400	30100	9730	8440	4790	4090	2100
14	5230	7860	17900	10900	25300	24300	32000	9770	6970	5490	3710	2640
15	5010	6330	20000	10700	26300	21800	33800	9840	6160	5600	2870	3480
16	5070	4560	20300	10300	27400	19700	35400	9690	5470	5100	1800	4010
17	4180	6260	20000	8500	29300	18800	35900	8050	5980	4470	1600	4100
18	2820	6730	20800	5860	31700	21100	35900	8680	6050	3200	2000	3920
19	2520	7210	21700	5940	34000	23700	35800	9760	4250	2580	2770	2980
20	2200	7090	21900	6480	35100	27300	35400	10200	3460	2000	4000	2570
21	3430	5980	21100	7050	34300	31600	34100	10400	4280	3690	3800	3530
22	3690	5260	19600	7640	31600	36000	31400	10400	6230	4110	3250	4140
23	4950	5320	17800	8410	28600	40400	28100	9800	6650	3810	2620	4500
24	4540	6270	16300	9530	26200	44000	25300	9290	6940	3670	2300	4910
25	3570	7400	15100	10900	25700	45800	23800	9900	8290	2950	3500	4350
26	5300	6550	14000	12200	26200	44300	23100	10100	9340	2500	3010	3090
27	11500	3790	12800	13000	26600	41300	23000	9810	8070	2000	4400	2570
28	14100	4820	11700	12900	26300	38200	23300	10300	4400	1800	4010	2200
29	13400	4280	10700	12800	---	35600	23300	10900	4570	2600	2920	3550
30	10000	3920	10200	12600	---	34100	22300	11200	6380	2500	2570	4190
31	7360	---	10400	12100	---	33400	---	9790	---	2780	1900	---
TOTAL	156750	169380	400350	364510	687200	895600	870400	354780	212600	133940	102400	94350
MEAN	5056	5646	12910	11760	24540	28890	29010	11440	7087	4321	3303	3145
MAX	14100	7860	21900	17900	35100	45800	35900	20700	11000	7660	5340	4910
MIN	2200	3150	5290	5860	10500	18800	22300	8050	3460	1800	1600	1800
CFSM	.57	.64	1.46	1.33	2.78	3.27	3.29	1.30	.80	.49	.37	.36
IN.	.66	.71	1.69	1.54	2.90	3.77	3.67	1.49	.90	.56	.43	.40
CAL YR 1982 TOTAL	3976260		MEAN 10890		MAX 33800	MIN 1000	CFSM 1.23	IN 16.75				
WTR YR 1983 TOTAL	4442260		MEAN 12170		MAX 45800	MIN 1600	CFSM 1.38	IN 18.71				

## PEE DEE RIVER BASIN

02131000 PEE DEE RIVER AT PEEDEE SC--Continued

## WATER-QUALITY RECORDS

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)
NOV 12...	1215	6880	105	7.2	16.0	17	764	7.1	72	58	130	25
JAN 11...	1600	13200	80	6.7	9.0	25	754	9.4	82	72	K32	20
MAR 18...	1500	21500	67	6.3	12.5	--	743	9.9	95	210	930	--
MAY 13...	1600	9730	69	6.2	21.0	--	764	7.9	88	80	480	--
JUL 06...	0830	3210	71	6.1	26.5	32	760	6.2	77	150	1600	17
SEP 13...	2000	1900	99	6.5	28.0	15	758	7.3	94	160	300	17
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)	ALKA- LINITY LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
NOV 12...	1	5.8	2.5	12	48	1.1	3.0	24	12	9.8	.10	11
JAN 11...	3	4.6	2.1	7.1	41	.7	1.9	17	13	7.1	<.10	11
MAR 18...	--	--	--	--	--	--	1.6	--	--	--	--	--
JUL 06...	0	4.0	1.6	6.8	44	.7	1.6	18	8.4	5.4	.10	8.9
SEP 13...	0	3.4	2.0	12	57	1.3	2.2	24	9.2	8.1	.20	8.3
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
NOV 12...	76	71	.10	1410	.54	.010	.01	.50	.070	.21	.070	.040
JAN 11...	67	58	.09	2390	.64	.030	.04	.40	.140	.43	.040	.040
MAR 18...	--	--	--	--	.58	.050	.06	.30	.100	.31	.030	.030
MAY 13...	--	--	--	--	.53	.030	.04	.40	.110	.34	.050	.030
JUL 06...	59	48	.08	384	.36	<.010	--	.40	.070	.21	.030	.020
SEP 13...	63	60	.09	323	.21	<.010	--	.90	.070	.21	.060	.040

## 02131000 PEE DEE RIVER AT PEEDEE, SC--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DATE	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
NOV 12...	.12	200	1	35	<1	<1	1	<3	2	250	<1	<4
JAN 11...	.12	100	1	40	<1	<1	1	<3	4	170	6	<4
MAR 18...	.09	--	--	--	--	--	--	--	--	--	--	--
MAY 13...	.09	--	--	--	--	--	--	--	--	--	--	--
JUL 06...	.06	30	1	120	<1	<1	<1	<3	3	270	2	<4
SEP 13...	.12	--	--	--	--	--	--	--	--	--	--	--

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 12...	9	<.1	<10	1	<1	<1	47	<6.0	9	19	353	78
JAN 11...	15	.3	<10	1	<1	<1	38	<6.0	6	9	321	88
MAR 18...	--	--	--	--	--	--	--	--	--	65	3770	82
MAY 13...	--	--	--	--	--	--	--	--	--	36	946	92
JUL 06...	52	.1	<10	1	<1	<1	38	<6.0	43	48	312	90
SEP 13...	--	--	--	--	--	--	--	--	--	26	133	89

DATE	TIME	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)
MAR 18...	1500	<.8	5.6	2.1	3.3	2.1	3.1	.07	.22
JUL 06...	0830	1.9	5.2	3.4	1.5	2.8	1.5	.07	.01

NOTE: "K" denotes a bacteria colony count outside ideal limits.  
 ">" denotes a value greater than that listed.  
 "<" denotes a value less than that listed.



## PEE DEE RIVER BASIN

02131150 CATFISH CANAL AT SELLERS, SC

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

DRAINAGE AREA.--27.4 mi<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 (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--16 years, 28.2 ft<sup>3</sup>/s, 13.98 in/yr.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge above a base of 250 ft<sup>3</sup>/s (revised) and maximum (\*).

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Feb. 15	0345	258	5.76	Mar. 26	0945	332	7.02
Mar. 18	1145	*830	*9.04	June 8	0700	302	6.54

Minimum daily, 0.15 ft<sup>3</sup>/s Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	17	16	78	60	162	129	28	12	20	1.9	.78
2	2.8	17	16	100	101	221	108	25	9.7	10	3.8	.77
3	2.6	19	15	151	154	149	111	23	7.1	6.9	5.2	.74
4	2.4	22	17	111	104	103	90	29	5.8	5.9	3.2	.69
5	2.4	26	14	93	74	77	65	26	5.4	6.1	2.6	.60
6	2.2	19	14	78	85	97	59	21	31	15	2.6	.55
7	2.0	15	14	63	131	211	56	18	34	10	2.5	.49
8	2.1	14	13	53	98	158	85	16	266	6.1	2.2	.47
9	2.3	13	13	46	73	117	221	14	178	4.8	1.9	.44
10	2.5	12	12	59	64	87	231	13	91	4.1	1.7	.43
11	2.4	12	15	56	141	67	178	11	61	3.7	1.6	.43
12	2.2	11	123	48	124	55	119	9.8	41	4.0	1.5	.42
13	2.2	18	132	41	87	47	85	9.0	29	3.6	1.4	.40
14	2.8	21	87	37	159	41	66	8.7	22	3.1	1.2	.90
15	2.8	19	63	34	237	37	81	7.8	17	2.9	1.1	.56
16	2.6	17	61	31	162	33	186	7.1	14	2.6	1.1	.41
17	2.4	15	60	29	117	115	126	6.5	11	2.3	.96	.35
18	2.2	14	48	26	97	745	92	5.7	9.3	2.1	.97	.32
19	2.2	13	42	25	77	524	89	5.4	7.9	1.9	.85	.28
20	2.2	12	41	23	63	324	69	5.7	6.8	1.8	.78	.27
21	2.1	13	36	24	54	225	56	5.8	6.3	1.7	.69	.33
22	3.3	12	32	72	48	158	47	5.3	5.8	1.9	.64	.32
23	4.3	12	29	90	111	111	44	5.4	5.2	2.9	.62	.29
24	7.5	12	27	73	130	108	67	9.9	4.1	3.1	.68	.24
25	104	11	25	55	99	278	103	6.1	3.4	2.8	.68	.20
26	81	11	24	45	74	324	74	4.8	3.1	5.3	.65	.18
27	49	11	23	43	58	286	53	5.0	2.8	3.7	.62	.17
28	33	12	22	138	50	247	43	4.3	2.6	2.9	.70	.16
29	26	20	29	135	---	182	35	6.8	2.7	2.5	.64	.15
30	21	22	52	97	---	130	30	61	14	2.2	.58	.15
31	18	---	87	73	---	123	---	21	---	2.1	.56	---
TOTAL	397.5	462	1202	2027	2832	5542	2798	425.1	909.0	148.0	46.12	12.49
MEAN	12.8	15.4	38.8	65.4	101	179	93.3	13.7	30.3	4.77	1.49	.42
MAX	104	26	132	151	237	745	231	61	266	20	5.2	.90
MIN	2.0	11	12	23	48	33	30	4.3	2.6	1.7	.56	.15
CFSM	.47	.56	1.42	2.39	3.69	6.53	3.41	.50	1.11	.17	.05	.02
IN.	.54	.63	1.63	2.75	3.84	7.52	3.80	.58	1.23	.20	.06	.02
CAL YR 1982	TOTAL	12040.40	MEAN	33.0	MAX	252	MIN	1.4	CFSM	1.20	IN	16.35
WTR YR 1983	TOTAL	16801.21	MEAN	46.0	MAX	745	MIN	.15	CFSM	1.68	IN	22.81

## 02131309 FORK CREEK AT JEFFERSON, SC

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 south of intersection of State Highways 765 and 151, at Jefferson.

DRAINAGE AREA.--24.3 mi<sup>2</sup>.

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 26.3 ft<sup>3</sup>/s, 14.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,560 ft<sup>3</sup>/s, Feb. 24, 1979, gage height, 7.89 ft; no flow for many days in August and September, 1983.

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Feb. 15	0130	539	5.96
Mar. 18	0600	*1,430	*7.73
Apr. 9	0345	352	5.17

No flow Aug. 15-24, Aug. 28-30 and Sept. 11-13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	9.9	23	35	31	62	73	34	10	3.8	.31	.17
2	2.2	9.9	22	59	79	51	87	32	10	3.8	.35	.55
3	2.7	11	19	65	65	44	94	31	9.4	2.9	.71	.80
4	1.9	56	17	45	43	41	66	45	7.7	2.0	1.0	.72
5	1.9	45	19	39	37	40	59	35	7.1	1.6	.74	.45
6	1.8	26	20	33	65	99	56	29	7.1	1.8	.77	.31
7	1.6	20	16	29	72	107	60	27	7.7	1.9	.53	.18
8	1.8	17	13	27	49	65	109	25	21	1.5	.95	.12
9	7.1	16	13	30	42	57	200	26	15	1.3	.59	.03
10	6.4	15	12	49	40	50	119	24	8.7	1.0	.41	.01
11	4.5	14	18	36	70	47	74	23	6.5	1.0	.24	.00
12	4.0	14	137	33	52	44	63	21	5.4	.94	.14	.00
13	6.7	37	58	29	44	42	58	20	4.7	.92	.06	.00
14	23	26	39	26	263	40	55	22	4.2	.84	.03	2.9
15	10	21	34	26	240	38	73	21	3.7	.66	.00	4.3
16	7.0	17	65	24	71	39	80	20	3.5	.47	.00	1.1
17	5.3	16	49	23	60	140	59	23	3.1	.39	.00	.51
18	4.1	16	39	24	53	734	55	20	2.9	.25	.00	.32
19	3.8	16	34	24	49	142	57	17	2.7	.25	.00	.24
20	3.7	15	32	20	45	81	49	18	2.5	.26	.00	.22
21	3.7	15	30	27	43	144	46	18	2.5	.18	.00	.62
22	5.0	16	30	82	45	83	44	16	4.2	.17	.00	.87
23	4.7	16	28	59	156	66	46	15	5.1	.68	.00	.57
24	5.7	16	29	45	81	68	61	14	4.1	.90	.00	.67
25	69	15	27	39	62	88	53	11	3.0	.92	.07	1.1
26	36	14	23	34	54	84	44	12	2.2	2.4	.12	.26
27	19	13	21	33	49	104	40	26	2.0	1.7	.05	.20
28	13	13	21	38	47	89	37	17	1.8	.95	.00	.19
29	11	19	31	31	---	66	35	12	1.7	.64	.00	.17
30	11	21	30	29	---	60	34	21	2.1	.44	.00	.13
31	10	---	42	33	---	84	---	15	---	.36	.01	---
TOTAL	289.9	575.8	991	1126	2007	2899	1986	690	171.6	36.92	7.08	17.71
MEAN	9.35	19.2	32.0	36.3	71.7	93.5	66.2	22.3	5.72	1.19	.23	.59
MAX	69	56	137	82	263	734	200	45	21	3.8	1.0	4.3
MIN	1.6	9.9	12	20	31	38	34	11	1.7	.17	.00	.00
CFSM	.39	.79	1.32	1.49	2.95	3.85	2.72	.92	.24	.05	.009	.02
IN.	.44	.88	1.52	1.72	3.07	4.44	3.04	1.06	.26	.06	.01	.03
CAL YR 1982	TOTAL	10548.70	MEAN	28.9	MAX	418	MIN	.67	CFSM	1.19	IN	16.15
WTR YR 1983	TOTAL	10798.01	MEAN	29.6	MAX	734	MIN	.00	CFSM	1.22	IN	16.53

## PEE DEE RIVER BASIN

02131472 HANGING ROCK CREEK NEAR KERSHAW, SC

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 south of Kershaw, and 1.9 mi upstream from mouth.

DRAINAGE AREA.--10.4 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1980 to current year.

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

REMARKS.--Records good, except those for period of no gage-height record Aug. 10 to Sept. 26, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 822 ft<sup>3</sup>/s Mar. 17, 1983, gage height 9.19 ft; minimum daily, 0.20 ft<sup>3</sup>/s Sept. 30.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 822 ft<sup>3</sup>/s Mar. 17, gage height 9.19 ft; minimum daily, 0.20 ft<sup>3</sup>/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	4.4	14	25	23	45	64	33	15	16	2.0	4.0
2	4.5	6.4	14	43	92	37	89	33	15	11	2.1	6.0
3	4.4	7.1	12	49	62	33	99	32	14	9.6	4.2	8.0
4	4.9	23	12	34	39	31	62	41	13	8.1	6.7	5.0
5	3.9	23	12	29	32	30	54	33	13	8.7	11	4.0
6	4.0	14	12	26	48	170	51	33	17	9.5	5.7	3.5
7	3.5	11	11	24	56	121	53	30	20	7.3	3.7	3.0
8	5.4	10	11	23	39	68	176	30	25	5.7	4.8	2.5
9	8.3	9.5	9.9	25	33	52	235	33	18	5.0	5.7	2.2
10	6.3	9.1	9.3	33	33	44	109	29	14	4.5	4.0	2.0
11	5.4	8.8	13	27	53	40	73	28	12	4.4	3.0	1.8
12	6.2	8.7	122	27	42	37	62	27	11	4.4	2.5	1.6
13	12	21	41	25	35	34	56	26	9.7	4.4	2.2	1.5
14	20	21	27	23	288	33	52	26	8.5	3.8	2.0	3.0
15	10	26	23	22	167	31	75	25	8.1	3.7	1.8	6.0
16	6.2	17	44	21	75	30	78	26	7.5	3.1	1.6	10
17	5.0	6.7	34	20	55	337	54	26	7.1	2.7	1.5	6.0
18	4.5	5.5	26	20	46	570	51	24	6.5	3.4	1.4	4.0
19	4.3	4.1	23	19	41	215	49	24	8.8	3.7	1.4	3.0
20	4.3	4.0	22	18	37	108	45	30	8.7	2.7	1.3	2.0
21	4.7	3.9	20	25	35	204	42	26	7.4	3.5	1.3	4.0
22	5.9	4.8	19	82	38	102	41	24	9.7	2.3	1.2	6.0
23	4.1	7.9	18	60	119	74	41	23	8.7	1.3	1.1	4.0
24	4.2	8.6	18	41	64	66	63	23	7.2	1.5	1.0	5.0
25	22	7.5	17	33	49	79	55	20	5.6	3.0	2.0	7.0
26	37	7.4	17	29	40	77	44	18	16	8.0	5.0	5.0
27	5.6	8.0	17	29	36	102	40	17	13	4.2	4.0	4.3
28	4.4	8.4	17	31	36	85	37	16	7.4	2.5	3.0	4.2
29	4.1	13	23	27	---	62	36	17	6.6	2.4	2.5	3.1
30	3.7	13	23	25	---	54	35	20	13	1.7	2.0	.20
31	3.6	---	27	24	---	72	---	18	---	1.8	3.0	---
TOTAL	227.4	322.8	708.2	939	1713	3043	2021	811	346.5	153.9	94.7	121.90
MEAN	7.34	10.8	22.8	30.3	61.2	98.2	67.4	26.2	11.6	4.96	3.05	4.06
MAX	37	26	122	82	288	570	235	41	25	16	11	10
MIN	3.5	3.9	9.3	18	23	30	35	16	5.6	1.3	1.0	.20
CAL YR 1982	TOTAL	9824.20	MEAN 26.9	MAX 360	MIN 3.5							
WTR YR 1983	TOTAL	10502.40	MEAN 28.8	MAX 570	MIN .20							

PEE DEE RIVER BASIN

37

02132000 LYNCHES RIVER AT EFFINGHAM, SC  
(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 upstream from Seaboard Coast Line Railroad Bridge, 1 mi south of Effingham, and at mile 43.4.

DRAINAGE AREA.--1,030 mi<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 National Geodetic Vertical Datum of 1929. Prior to Sept. 7, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--54 years, 1,035 ft<sup>3</sup>/s, 13.65 in/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,400 ft<sup>3</sup>/s Mar. 24, gage height, 17.19 ft; minimum, 144 ft<sup>3</sup>/s Aug. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	424	952	500	1300	2700	2800	3310	1520	628	360	260	152
2	414	964	498	1410	2580	3340	3220	1550	660	391	234	153
3	368	783	508	1800	2640	3820	3220	1510	628	428	237	152
4	325	583	543	1920	2550	3770	3200	1460	615	420	232	152
5	296	500	593	1980	2570	3320	3000	1360	594	490	222	155
6	282	463	637	2030	2590	3050	2730	1230	584	808	226	162
7	271	460	693	2010	2600	3370	2600	1140	1060	1190	255	176
8	260	480	723	1950	2470	3410	2670	1060	1830	1340	266	180
9	256	555	714	1900	2400	3190	3230	1040	1540	1260	262	176
10	253	663	687	2070	2470	2790	4130	1030	1710	1040	262	167
11	255	760	697	2210	2760	2430	5130	1020	1600	806	243	160
12	270	766	968	2190	2800	2250	5230	968	1290	740	225	153
13	308	649	1110	2020	2630	2620	4900	911	1060	630	213	148
14	342	566	1070	1820	3080	3210	4730	926	899	537	204	156
15	345	532	1140	1660	3670	3080	5090	901	691	453	192	166
16	344	523	1310	1570	3890	2670	5090	851	533	384	185	182
17	360	544	1460	1510	3940	3000	4510	783	451	331	176	210
18	397	601	1520	1430	3780	6570	4120	731	414	297	168	266
19	445	655	1590	1300	3500	8660	3830	695	390	276	168	309
20	447	649	1800	1170	3290	8550	3280	663	369	256	163	308
21	389	602	2250	1090	3980	7340	2800	646	350	237	159	282
22	342	559	2380	1330	4420	6420	2530	648	330	247	156	260
23	314	538	2210	1510	4300	9300	2410	630	318	286	153	249
24	322	527	2020	1560	4010	10200	2340	605	311	265	151	283
25	634	512	1880	1620	3790	9360	2220	594	306	241	149	316
26	690	499	1670	1680	3330	7770	2090	582	315	232	147	311
27	626	492	1350	1740	2870	6340	1950	580	325	224	144	284
28	631	491	1090	2350	2490	5730	1780	574	309	217	150	252
29	700	500	1000	2610	---	5000	1640	545	290	221	154	228
30	791	500	1100	2700	---	4140	1550	514	302	254	153	214
31	876	---	1270	2810	---	3580	---	547	---	282	151	---
TOTAL	12977	17868	36981	56250	88100	151080	98530	27814	20702	15143	6060	6362
MEAN	419	596	1193	1815	3146	4874	3284	897	690	488	195	212
MAX	876	964	2380	2810	4420	10200	5230	1550	1830	1340	266	316
MIN	253	460	498	1090	2400	2250	1550	514	290	217	144	148
CFSM	.41	.58	1.16	1.76	3.05	4.73	3.19	.87	.67	.47	.19	.21
IN.	.47	.65	1.34	2.03	3.18	5.46	3.56	1.00	.75	.55	.22	.23
CAL YR 1982	TOTAL	433606	MEAN	1188	MAX	6680	MIN	234	CFSM	1.15	IN	15.66
WTR YR 1983	TOTAL	537867	MEAN	1474	MAX	10200	MIN	144	CFSM	1.43	IN	19.43



## PEE DEE RIVER BASIN

02132000 LYNCHES RIVER AT EFFINGHAM, SC--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.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	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 16...	1100	520	80	6.9	11.0	3.4	771	9.3	83	50	K1200	13
JAN 04...	1100	1920	72	6.3	8.5	7.4	770	9.5	80	350	910	15
MAR 15...	1030	3150	50	6.0	13.5	--	757	8.2	79	80	320	--
MAY 10...	1200	1030	64	6.0	19.5	4.0	768	6.8	73	52	K1400	14
JUL 06...	1100	830	73	5.8	25.0	25	761	5.8	70	330	K1600	15
SEP 14...	1100	157	>500	8.0	25.5	16	758	6.2	76	>6000	>1000	18

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)	ALKA- LINITY LAB (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)
NOV 16...	0	2.7	1.4	12	65	1.5	1.3	17	11	9.5	<.10	8.7
JAN 04...	7	3.8	1.4	5.0	39	.6	1.5	8.0	10	8.3	<.10	6.8
MAY 10...	0	3.2	1.5	6.5	47	.8	1.3	15	10	6.7	<.10	5.0
JUL 06...	4	3.7	1.4	7.7	50	.9	1.4	11	10	8.8	<.10	6.6
SEP 14...	0	3.8	2.1	130	88	14	16	261	24	26	<.10	8.7

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 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
NOV 16...	63	57	.09	88.5	.11	.020	.03	.40	.040	.12	.070	.030
JAN 04...	64	42	.09	332	.43	.030	.04	.70	.040	.12	.020	<.010
MAR 15...	--	--	--	--	.19	.070	.09	.60	.030	.09	.020	<.010
MAY 10...	56	45	.08	156	.23	.040	.05	.40	.060	.18	.050	.030
JUL 06...	66	47	.09	150	.34	.070	.09	.60	.060	.18	.040	.020
SEP 14...	416	377	.57	176	.54	3.50	4.5	14.0	2.10	6.4	1.90	1.60

## 02132000 LYNCHES RIVER AT EFFINGHAM, SC--Continued

## WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DATE	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED, (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
NOV 16...	.09	100	1	33	<1	<1	--	<3	2	330	<1	<4
JAN 04...	--	200	1	58	<1	<1	<1	<3	4	490	4	<4
MAY 10...	.09	100	1	150	<1	<1	4	<3	5	1100	3	6
JUL 06...	.06	40	1	130	<1	<1	<1	<3	2	370	4	<4
SEP 14...	4.9	--	--	--	--	--	--	--	--	--	--	--

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 16...	18	<.1	<10	<1	<1	<1	19	<6.0	9	2	3.4	59
JAN 04...	17	.4	<10	1	<1	<1	23	<6.0	19	8	41	46
MAR 15...	--	--	--	--	--	--	--	--	--	14	119	50
MAY 10...	66	.1	<10	6	<1	<1	23	<6.0	30	--	--	88
JUL 06...	74	.1	<10	<1	<1	<1	28	<6.0	70	39	88	80
SEP 14...	--	--	--	--	--	--	--	--	--	38	16	93

NOTE: "K" denotes a bacteria colony count outside ideal limits.  
 ">" denotes a value greater than that listed.  
 "<" denotes a value less than that listed.

## PEE DEE RIVER BASIN

02135000 LITTLE PEE DEE RIVER AT GALIVANTS FERRY, SC

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 downstream from Lake Swamp, and at mile 41.7.

DRAINAGE AREA.--2,790 mi<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 National Geodetic Vertical Datum of 1929. Prior to July 26, 1967, nonrecording gage and crest-stage gage at same site and datum.

REMARKS.--Records good, except those for periods of no gage-height record, Oct. 7-13 which are poor.

AVERAGE DISCHARGE.--42 years, 4,540 ft<sup>3</sup>/s, 15.71 in/yr.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,400 ft<sup>3</sup>/s Mar. 22-23, gage height, 12.72 ft; minimum, 324 ft<sup>3</sup>/s Aug. 29-30, gage height, 3.38 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	920	3520	1830	4320	5670	10300	15100	5920	1780	1510	510	341
2	919	3500	1810	4520	5890	10500	14100	5710	1770	2060	504	357
3	901	3390	1790	4850	6130	11000	13100	5430	1680	2650	503	377
4	859	3320	1790	5240	6310	11100	12100	5180	1570	3150	505	397
5	797	3290	1790	5390	6480	11100	11200	4850	1540	3210	489	399
6	755	3190	1830	6380	6660	11600	10400	4540	1540	3040	470	394
7	720	3160	1860	6800	6820	12200	9780	4260	1840	2820	456	383
8	680	3100	1910	7150	7210	12700	9420	4010	2230	2610	447	371
9	640	3020	1930	7280	7540	12900	9440	3770	2910	2440	440	361
10	610	2940	1940	7220	7600	12600	9650	3550	4300	2280	435	353
11	580	2880	1980	7060	7840	12300	9770	3330	5210	2120	430	349
12	560	2830	2340	6860	8170	12000	9460	3160	5360	1960	427	350
13	530	2810	2710	6620	8980	11400	9480	3020	5330	1830	436	349
14	509	2740	3250	6390	9840	10400	9930	2920	5280	1690	445	355
15	497	2630	3940	6150	10700	9490	10400	2760	5070	1540	438	359
16	487	2510	4470	5890	12200	8660	10500	2590	4680	1370	431	359
17	482	2390	4910	5610	13300	8990	10200	2420	4210	1210	427	366
18	479	2280	5330	5310	13800	12500	9760	2280	3720	1090	423	386
19	479	2200	5650	5000	14200	17600	9330	2150	3260	972	416	402
20	482	2140	5780	4660	13900	21800	8920	2030	2880	842	405	409
21	481	2100	5730	4410	13300	23500	8650	1930	2550	719	390	425
22	492	2070	5600	4480	12500	24200	8320	1840	2300	644	374	469
23	492	2030	5380	4420	12200	23600	7950	1760	2050	637	360	474
24	564	2010	5210	4520	11700	21700	7570	1690	1850	600	361	464
25	1270	1980	5050	4650	11500	19700	7200	1670	1680	572	348	466
26	1950	1960	4890	4670	11000	18100	6870	1760	1460	581	338	468
27	2590	1930	4750	4720	10400	17600	6620	1900	1260	581	331	468
28	2960	1910	4600	5040	10100	17300	6400	1890	1130	574	326	468
29	3240	1890	4480	5210	---	16900	6220	1780	1010	553	324	469
30	3430	1850	4440	5490	---	16400	6080	1680	1110	529	326	470
31	3510	---	4410	5680	---	16000	---	1690	---	516	333	---
TOTAL	33865	77570	113380	172490	271940	456140	283920	93470	82560	46900	12848	12058
MEAN	1092	2586	3657	5564	9712	14710	9464	3015	2752	1513	414	402
MAX	3510	3520	5780	7280	14200	24200	15100	5920	5360	3210	510	474
MIN	479	1850	1790	4320	5670	8660	6080	1670	1010	516	324	341
CFSM	.39	.93	1.31	1.99	3.48	5.27	3.39	1.08	.99	.54	.15	.14
IN.	.45	1.03	1.51	2.30	3.63	6.08	3.79	1.25	1.10	.63	.17	.16
CAL YR 1982 TOTAL	1301061		MEAN	3565	MAX	11300	MIN	462	CFSM	1.28	IN	17.35
WTR YR 1983 TOTAL	1657141		MEAN	4540	MAX	24200	MIN	324	CFSM	1.63	IN	22.10

PEE DEE RIVER BASIN

41

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, SC  
(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 downstream from Beaverdam Creek, 0.9 mi upstream from Seaboard Coast Line Railroad bridge, and 5.8 mi southwest of Bishopville.

DRAINAGE AREA.--96.0 mi<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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--15 years (water years 1969-83), 106 ft<sup>3</sup>/s, 14.99 in/yr.

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

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Mar. 19	2000	*1,150	*7.82
Apr. 10	1000	630	6.91

Minimum daily, 8.0 ft<sup>3</sup>/s Sept. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	51	84	131	128	182	224	135	36	68	14	10
2	31	47	93	157	139	187	216	121	36	50	14	12
3	27	50	82	191	151	184	216	112	33	31	16	13
4	24	72	74	198	178	184	214	116	28	26	18	13
5	22	66	69	189	164	182	204	117	25	59	18	13
6	21	61	73	179	175	170	183	110	26	130	25	11
7	20	58	73	163	175	193	173	106	54	100	24	11
8	20	55	66	143	162	256	201	102	116	49	21	11
9	35	50	60	129	148	335	481	97	134	31	18	9.6
10	44	48	56	156	142	299	610	89	135	24	19	8.8
11	42	46	58	176	155	242	559	82	110	21	19	8.6
12	38	45	135	186	152	201	458	75	64	21	15	8.0
13	42	61	192	183	143	172	350	69	35	18	13	8.2
14	71	77	208	167	202	150	271	67	28	17	12	36
15	86	79	216	146	273	134	241	69	24	18	11	63
16	75	79	223	126	303	122	243	61	22	18	11	56
17	68	75	204	110	319	175	241	53	21	17	10	40
18	55	69	178	98	271	578	258	49	20	19	9.0	29
19	41	62	158	89	218	989	263	47	19	25	9.4	22
20	34	58	150	83	180	941	232	49	18	29	9.1	32
21	31	55	141	89	155	548	205	47	20	19	8.8	97
22	32	53	126	139	139	356	181	47	18	17	8.6	122
23	39	52	110	169	171	284	168	43	18	23	8.4	105
24	48	51	96	197	185	251	172	37	17	29	8.2	62
25	91	49	86	214	199	247	183	34	16	29	8.4	36
26	115	47	78	200	215	246	192	31	15	33	11	28
27	115	50	74	175	203	251	195	30	16	29	11	24
28	115	51	72	163	178	261	187	30	14	24	10	21
29	109	55	79	148	---	260	170	30	14	20	11	20
30	99	57	102	138	---	246	152	33	19	17	11	19
31	72	---	119	133	---	235	---	38	---	15	10	---
TOTAL	1700	1729	3535	4765	5223	9061	7643	2126	1151	1026	411.9	949.2
MEAN	54.8	57.6	114	154	187	292	255	68.6	38.4	33.1	13.3	31.6
MAX	115	79	223	214	319	989	610	135	135	130	25	122
MIN	20	45	56	83	128	122	152	30	14	15	8.2	8.0
CFSM	.57	.60	1.19	1.60	1.95	3.04	2.66	.72	.40	.35	.14	.33
IN.	.66	.67	1.37	1.85	2.02	3.51	2.96	.82	.45	.40	.16	.37
CAL YR 1982	TOTAL	34235.0	MEAN	93.8	MAX	483	MIN	13	CFSM	.98	IN	13.27
WTR YR 1983	TOTAL	39320.1	MEAN	108	MAX	989	MIN	8.0	CFSM	1.13	IN	15.24



## WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

[illegible]

## 02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, SC--Continued

## WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	MANGANESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYBDENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELENIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRONTIUM, DIS- SOLVED (UG/L AS SR)	VANADIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDIMENT, DIS- SUS- PENDE (MG/L)	SEDIMENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 09...	43	<.1	10	<1	<1	--	6	<6.0	22	2	.35	80
JAN 11...	--	--	--	--	--	--	--	--	--	3	1.5	68
FEB 23...	--	--	--	--	--	--	--	--	--	4	1.9	58
MAY 13...	48	<.1	<10	3	<1	<1	8	<6.0	43	7	1.2	50
JUL 05...	--	--	--	--	--	--	--	--	--	10	1.7	60
SEP 13...	--	--	--	--	--	--	--	--	--	2	.04	94
DATE	TIME	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, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)			
NOV 09...	1400		1.8	1.5	1.4	<1.2	1.3	<1.2	.17	.16		

NOTE: "K" denotes a bacteria count outside ideal limits.  
 ">" denotes a value greater than that listed.  
 "<" denotes a value less than that listed.

## PEE DEE RIVER BASIN

02135500 BLACK RIVER NEAR GABLE, SC

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 downstream from Church Branch, 6.3 mi northwest of Gable, and at mile 123.1.

DRAINAGE AREA.--401 mi<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 (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.--25 years, 384 ft<sup>3</sup>/s, 13.00 in/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,950 ft<sup>3</sup>/s Mar. 19, gage height, 5.92 ft; minimum, 1.5 ft<sup>3</sup>/s Sept. 13, gage height 1.57 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	114	106	396	736	961	950	348	15	977	16	3.7
2	79	102	106	487	836	1170	918	318	18	799	33	4.7
3	63	96	112	637	1300	1290	871	297	16	356	136	5.1
4	53	89	127	812	1490	1140	797	309	13	339	96	4.6
5	46	85	137	967	1250	960	711	299	13	405	54	4.1
6	39	80	174	875	1070	1100	645	279	17	878	83	3.7
7	32	75	198	776	970	1520	606	261	45	1150	181	3.3
8	29	70	190	684	899	1540	708	242	121	907	131	3.0
9	40	66	215	611	835	1500	1220	229	268	593	64	2.7
10	43	67	230	596	775	1300	3290	214	491	391	33	2.5
11	41	76	237	586	832	1060	3730	198	316	277	21	2.2
12	38	79	356	630	887	901	2810	185	183	222	15	2.0
13	37	88	411	653	956	807	2130	201	124	180	12	1.7
14	50	96	422	639	1350	691	1640	284	88	132	9.5	20
15	55	102	502	599	2240	599	1350	203	67	94	8.0	27
16	59	97	538	541	2540	527	1470	179	54	69	6.8	14
17	68	95	574	498	2090	922	1710	145	44	48	6.0	11
18	67	93	570	455	1630	3210	1560	121	32	35	5.4	9.5
19	61	91	560	412	1280	4720	1300	106	25	30	4.9	9.3
20	56	94	528	380	1060	3860	1010	100	20	21	4.6	15
21	53	98	486	380	906	2780	814	93	17	16	4.1	36
22	49	99	437	502	790	2300	671	85	16	14	3.7	26
23	44	99	390	635	1050	1930	602	74	14	17	3.3	27
24	58	98	351	838	1240	1530	567	63	12	17	2.8	23
25	158	93	319	853	1390	1440	548	52	10	27	2.8	18
26	203	89	299	789	1220	1470	547	47	8.6	52	2.6	18
27	197	88	283	719	1010	1480	541	41	7.7	53	6.5	18
28	198	92	272	841	844	1390	507	23	6.7	38	7	19
29	181	98	291	905	---	1250	444	22	6.6	30	7.6	20
30	147	101	338	958	---	1070	390	20	31	23	5.1	20
31	130	---	371	857	---	998	---	17	---	20	4.0	---
TOTAL	2475	2710	10130	20511	33476	47416	35057	5055	2099.6	8210	79.7	374.1
MEAN	79.8	90.3	327	662	1196	1530	1169	163	70.0	265	31.6	12.5
MAX	203	114	574	967	2540	4720	3730	348	491	1150	181	36
MIN	29	66	106	380	736	527	390	17	6.6	14	2.6	1.7
CFSM	.20	.23	.82	1.65	2.98	3.82	2.92	.41	.18	.66	.08	.03
IN.	.23	.25	.94	1.90	3.11	4.40	3.25	.47	.19	.76	.09	.03
CAL YR 1982	TOTAL	132476.0	MEAN	363	MAX	2150	MIN	14	CFSM	.91	IN	12.29
WTR YR 1983	TOTAL	168493.4	MEAN	462	MAX	4720	MIN	1.7	CFSM	1.15	IN	15.63

02136000 BLACK RIVER AT KINGSTREE, SC  
(National stream-quality accounting network 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 downstream from Kingstree Swamp Canal, and at mile 86.7.

DRAINAGE AREA.--1,252 mi<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: 1928(m), drainage area. WSP 1333: 1930(m), 1931, 1936.

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

REMARKS.--Records fair.

AVERAGE DISCHARGE.--54 years, 944 ft<sup>3</sup>/s, 10.24 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 58,000 ft<sup>3</sup>/s June 14, 1973, gage height, 19.77 ft; minimum, 2.0 ft<sup>3</sup>/s Sept. 12-15, Oct. 7, 8, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,200 ft<sup>3</sup>/s Mar. 21, gage height, 14.05 ft; minimum, 28 ft<sup>3</sup>/s Sept. 16, 17, gage height, 1.80 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	317	369	179	1070	3400	4500	5240	1610	215	103	112	60
2	282	352	182	1290	2850	4730	4920	1490	198	99	118	56
3	252	337	184	1580	3000	4810	4530	1400	181	100	138	54
4	227	322	188	1910	3750	4960	4170	1330	164	198	132	58
5	207	303	192	2090	4700	4980	3810	1250	150	340	141	57
6	190	281	199	2150	5000	4930	3470	1170	140	623	166	53
7	175	262	203	2170	4800	5310	3220	1110	154	869	179	50
8	162	247	204	2150	4450	5710	3360	1050	339	946	168	45
9	156	232	208	2100	4250	6880	3480	988	801	969	168	41
10	152	219	215	2080	4050	7900	3640	914	1200	1120	169	39
11	152	208	234	2080	3900	7290	3720	843	1650	1400	180	36
12	151	198	334	2080	3750	6090	3920	768	1950	1500	182	33
13	147	195	530	1990	3650	5130	4640	693	1990	1410	172	32
14	156	189	786	1840	3700	4390	5940	634	1880	1190	175	33
15	157	183	935	1720	4400	3770	6720	588	1690	927	180	30
16	160	179	1040	1620	5700	3260	6580	555	1430	685	166	29
17	157	175	1110	1530	7000	3410	6020	532	1150	529	143	29
18	144	171	1160	1480	8600	5370	5430	524	884	446	121	29
19	133	168	1180	1400	8800	9370	4980	512	689	379	104	29
20	125	166	1180	1300	7400	14500	4510	490	556	311	104	31
21	120	165	1160	1200	6400	14000	4090	457	453	250	103	37
22	122	165	1150	1200	5500	11000	3770	421	371	207	79	51
23	119	164	1130	1550	4800	9850	3480	388	303	193	68	95
24	161	162	1110	2020	4300	9570	3190	360	249	180	60	119
25	340	160	1080	2110	4600	9200	2870	333	206	170	55	129
26	497	160	1030	2200	4300	9010	2540	333	171	158	52	138
27	583	159	971	2200	4000	8460	2260	317	145	152	96	154
28	547	160	911	2420	4200	7940	2060	279	126	144	155	170
29	484	166	859	2900	---	7040	1890	255	113	129	125	178
30	431	173	858	3400	---	6120	1740	239	107	118	88	174
31	393	---	941	3700	---	5600	---	228	---	114	69	---
TOTAL	7399	6390	21643	60530	135250	215080	120190	22061	19655	15959	3968	2069
MEAN	239	213	698	1953	4830	6938	4006	712	655	515	128	69.0
MAX	583	369	1180	3700	8800	14500	6720	1610	1990	1500	182	178
MIN	119	159	179	1070	2850	3260	1740	228	107	99	52	29
CFSM	.19	.17	.56	1.56	3.86	5.54	3.20	.57	.52	.41	.10	.06
IN.	.22	.19	.64	1.80	4.02	6.39	3.57	.66	.58	.47	.12	.06
CAL YR 1982 TOTAL	357680			MEAN 980	MAX 4210	MIN 51	CFSM .78	IN 10.63				
WTR YR 1983 TOTAL	630194			MEAN 1727	MAX 14500	MIN 29	CFSM 1.38	IN 18.72				



02136000 BLACK RIVER AT KINGSTREE, SC--Continued

## WATER-QUALITY RECORDS

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, (PER- CENT SATUR- ATION)	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)
NOV 16...	1415	178	109	6.7	11.5	2.0	771	7.4	67	K25	70	19
JAN 04...	1430	1940	84	6.0	9.0	6.6	771	8.4	72	440	K1300	--
MAR 15...	1315	3750	52	5.8	14.5	--	758	8.4	83	K12	170	--
MAY 10...	1430	922	61	5.7	20.0	2.4	768	5.9	64	37	290	16
JUL 06...	1345	644	68	5.2	25.0	12	762	5.6	68	480	K1700	19
SEP 14...	1730	33	160	6.3	25.5	1.9	761	6.0	73	250	750	23
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 AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	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)
NOV 16...	0	4.6	1.7	16	62	1.7	2.2	21	14	13	.10	12
JAN 04...	--	--	--	--	--	--	1.2	6.0	13	10	<.10	--
MAY 10...	4	3.9	1.4	5.5	40	.6	1.8	12	5.0	8.6	<.10	3.6
JUL 06...	14	5.0	1.6	4.8	33	.5	1.4	5.0	19	5.4	.10	6.0
SEP 14...	0	6.2	1.8	21	64	2.0	2.5	42	10	15	.30	13
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
NOV 16...	97	77	.13	52.4	<.10	<.010	.01	.60	.160	.49	.150	.140
JAN 04...	80	--	.11	423	.27	.030	.04	1.00	.060	.18	.040	.030
MAR 15...	--	--	--	--	.14	.040	.05	.50	.030	.09	.020	<.010
MAY 10...	73	39	.10	182	.17	.060	.08	.90	.130	.40	.110	.070
JUL 06...	72	47	.10	125	.10	<.010	--	.60	.110	.34	.070	.050
SEP 14...	109	96	.15	9.7	.19	.040	.05	1.20	.220	.67	.170	.170

## 02136000 BLACK RIVER AT KINGSTREE, SC--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DATE	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
NOV 16...	.43	200	1	40	<1	<1	<1	3	<1	490	<1	<4
JAN 04...	.09	200	1	--	--	--	<1	--	--	--	--	--
MAY 10...	.21	300	1	160	<1	1	3	<3	1	880	3	7
JUL 06...	.15	100	1	140	<1	<1	<1	<3	4	250	5	<4
SEP 14...	.52	--	--	--	--	--	--	--	--	--	--	--

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 16...	21	<.1	<10	<1	<1	<1	28	<6.0	8	2	1.3	54
JAN 04...	--	--	--	--	--	<1	--	--	--	7	37	48
MAR 15...	--	--	--	--	--	--	--	--	--	2	20	93
MAY 10...	35	.6	<10	2	<1	<1	23	<6.0	30	6	15	66
JUL 06...	43	.1	<10	1	<1	<1	33	<6.0	81	17	30	70
SEP 14...	--	--	--	--	--	--	--	--	--	6	.53	35

NOTE: "K" denotes a bacteria colony count outside ideal limits.  
 ">" denotes a value greater than that listed.  
 "<" denotes a value less than that listed.

## SANTÉE RIVER BASIN

02146000 CATAWBA RIVER NEAR ROCK HILL, SC

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 downstream from Lake Wylie Dam, 5.0 mi northeast of Rock Hill, 7.5 mi upstream from Sugar Creek, and at mile 137.6.

DRAINAGE AREA.--3,050 mi<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. Sept. 23, 1895, to July 31, 1903, nonrecording gage at Southern Railway bridge, 2.0 mi downstream, at different datum.

REMARKS.--Records fair. Flow regulated by Lake Wylie, usable capacity, 2,520,500,000 ft<sup>3</sup> and by other powerplants above station.AVERAGE DISCHARGE.--49 years, 4,555 ft<sup>3</sup>/s 20.28 in/yr.EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft<sup>3</sup>/s May 23, 1901, gage height, 24.15 ft, site and datum then in use; minimum daily, 418 ft<sup>3</sup>/s Mar. 8, 1981.EXTREMES FOR CURRENT YEAR.--Maximum discharge, 28,100 ft<sup>3</sup>/s Apr. 10, gage height, 10.86 ft; minimum daily, 528 ft<sup>3</sup>/s Nov. 22.DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1110	2050	4770	3030	8050	9990	8550	7670	4860	4330	1150	707
2	614	636	3920	1760	5300	10600	8610	10500	6690	4380	2540	641
3	576	1450	4360	5510	6800	11000	12500	9870	5870	4410	965	773
4	1090	4570	619	7150	5690	11900	12200	8140	652	5020	2930	1030
5	2720	4350	1380	11600	4170	6240	10400	9320	4840	1800	4040	1770
6	1340	800	6510	10900	8170	5950	10200	8680	4540	1110	2720	4970
7	3100	675	7360	6730	6460	4440	9620	5400	5190	3530	2170	2980
8	696	1410	11700	646	5670	6840	11600	5220	5510	6330	4610	3180
9	616	2910	11200	633	7950	11800	13200	9490	5900	6050	2280	2210
10	601	824	6220	7320	11100	11800	19300	9650	6590	3480	1570	2250
11	580	650	4510	7810	8560	12000	21400	4990	5760	5300	912	1370
12	588	641	1360	6650	9260	9220	19800	5850	6910	5670	864	2670
13	627	578	3950	5610	10500	5030	12800	3690	6390	5600	926	787
14	3050	636	9100	5810	5560	10400	11300	1420	1190	5370	830	893
15	1870	2920	8960	757	831	11800	12500	884	2670	4710	701	3720
16	942	3000	5810	619	2690	7680	13900	7890	2120	3680	535	3010
17	720	2140	8190	2730	5460	4290	11300	4410	4230	3520	1610	1540
18	4400	1690	11100	5330	5570	4200	11900	6060	4690	1760	3310	821
19	5430	1900	9930	7410	7190	5900	12000	4910	4820	4090	4810	4580
20	5440	1580	10700	7420	6470	1970	10500	7050	2900	682	2840	1400
21	1300	592	11600	4810	6230	6110	8260	9830	4500	1830	705	603
22	916	528	10200	849	7090	1500	8410	9200	2980	2910	4100	1710
23	573	4450	6060	3750	5860	6330	7470	9450	6760	2170	3650	813
24	1820	3540	1500	8660	5950	9570	11400	7010	1970	1500	2210	3260
25	7660	641	1820	9490	7200	10600	11100	7400	4350	3340	1210	575
26	7500	585	2310	10900	6210	5180	12100	9820	5330	725	699	657
27	4050	591	3660	11700	8270	12400	7900	7420	7830	661	766	3410
28	1090	1470	5150	8690	11600	14300	11100	2880	6160	1130	1580	5260
29	621	4490	5450	2750	---	11500	10500	2000	913	1910	1120	954
30	2050	5090	7070	2380	---	10500	10300	1180	1990	2160	1730	660
31	1810	---	7430	8110	---	8680	---	4540	---	658	1170	---
TOTAL	65500	57387	193899	177514	189861	259720	352120	201824	135105	99816	61253	59204
MEAN	2113	1913	6255	5726	6781	8378	11740	6510	4504	3220	1976	1973
MAX	7660	5090	11700	11700	11600	14300	21400	10500	7830	6330	4810	5260
MIN	573	528	619	619	831	1500	7470	884	652	658	535	575

CAL YR 1982	TOTAL	1421674	MEAN	3895	MAX	16900	MIN	468
WTR YR 1983	TOTAL	1853203	MEAN	5077	MAX	21400	MIN	528

## SANTÉE RIVER BASIN

49

02147000 CATAWBA RIVER NEAR CATAWBA, SC

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

DRAINAGE AREA.--3,530 mi<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 National Geodetic Vertical Datum of 1929 (levels by Bowaters Carolina Corporation). June 1906 to Dec. 21, 1948, nonrecording gage at site 2.1 mi downstream at different datum.

REMARKS.--Records good, except those for period of no gage-height record Feb. 6 to Mar. 22, which are poor. Flow regulated by Lake Wylie, usable capacity, 2,520,500,000 ft<sup>3</sup> and by other powerplants above the station.

AVERAGE DISCHARGE.--15 years, 5,713 ft<sup>3</sup>/s 21.98 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,600 ft<sup>3</sup>/s Oct. 9, 1976, gage height, 23.81 ft; minimum daily, 747 ft<sup>3</sup>/s Sept. 26, 1983.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 30,700 ft<sup>3</sup>/s Apr. 10, gage height, 13.40 ft; minimum daily, 747 ft<sup>3</sup>/s Sept. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1340	2130	5960	6000	9530	11000	10700	8500	4670	3680	1210	1310
2	908	1150	5400	3110	8740	12000	10300	12100	7300	5830	1180	864
3	786	1080	5250	8710	11600	13000	16400	10600	6890	4150	2570	927
4	820	5210	1780	8270	9040	12000	15100	9560	2750	5490	2430	1020
5	1890	7790	1520	12700	2450	8000	11600	9820	2970	3470	2990	1950
6	2810	2470	6420	12300	8800	6800	12200	9990	5300	911	4860	4020
7	1820	981	7320	10300	7400	5200	10100	6170	6380	2170	2080	3960
8	2580	1680	12800	1220	6400	7400	13400	5550	6200	7030	4660	3560
9	1120	2740	12400	1010	9000	12000	16900	9620	6260	6110	2560	1600
10	897	1640	8820	5560	13000	13500	22600	11200	6940	5360	2000	2680
11	823	928	4280	9830	9600	14000	23700	6250	6410	4000	1490	2360
12	829	890	8750	7030	10600	9000	23400	5590	7580	6470	949	2260
13	913	983	10500	6770	11000	6700	15300	5820	6910	6630	939	1890
14	1540	984	8230	6310	6000	12000	12700	2070	3340	6020	1050	903
15	4310	2770	10900	2780	1800	13000	13700	991	1610	5680	906	3600
16	901	2580	9150	950	4000	8000	17500	6060	2710	3260	790	3220
17	1120	2620	9490	2980	6200	5000	13500	7300	4500	4530	920	1220
18	3480	1810	12900	4080	6400	4800	13100	4720	5080	2340	2720	1790
19	5770	2850	11100	8190	8200	6400	13800	6060	5800	3020	4630	3000
20	5990	1690	11200	7720	7400	2400	12400	7160	4360	2750	3730	3240
21	1960	1050	12900	6560	7300	6600	9140	10600	4080	1990	2480	1230
22	1470	838	11600	2840	8200	1800	9380	10100	3090	2270	2140	1040
23	886	3370	7480	5330	6600	5790	8110	11200	8160	1820	4880	1840
24	1820	4490	2700	11300	7000	10700	12300	7900	2940	2910	2950	2970
25	6720	1640	1930	10500	8400	12600	12600	7510	3660	2980	2750	1280
26	11700	831	1910	12200	7200	9740	13100	11300	6150	1690	950	747
27	5830	840	3980	13100	10000	13600	9330	8830	7970	975	1070	2550
28	1500	943	4640	12400	13000	20800	12300	3530	7140	913	848	5060
29	905	4490	6690	3540	---	14200	11500	3080	2740	1280	1850	2440
30	1420	6310	7370	2980	---	11900	11300	1230	1710	2080	1830	1130
31	2850	---	8950	6360	---	11100	---	3680	---	2360	1150	---
TOTAL	77708	69778	234320	212930	224860	301030	407460	224091	151600	110169	67562	65661
MEAN	2507	2326	7559	6869	8031	9711	13580	7229	5053	3554	2179	2189
MAX	11700	7790	12900	13100	13000	20800	23700	12100	8160	7030	4880	5060
MIN	786	831	1520	950	1800	1800	8110	991	1610	911	790	747
CAL YR 1982 TOTAL	1725242	MEAN	4727	MAX	17800	MIN	757					
WTR YR 1983 TOTAL	2147169	MEAN	5883	MAX	23700	MIN	747					



## SANTEE RIVER BASIN

02148000 WATEREE RIVER NEAR CAMDEN, SC

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 downstream from Five and Twenty Creek, 4,000 ft upstream from Seaboard Coast Line Railroad bridge, 2.2 mi west of Camden, 7.4 mi downstream from Wateree Dam, and at mile 68.8.

DRAINAGE AREA.--5,070 mi<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 downstream 1891-1934, at site 830 ft 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 National Geodetic Vertical Datum of 1929. January 1903, to September 1910, nonrecording gage at site 1.5 mi downstream at datum 1.65 ft lower. Oct. 1, 1929 to Sept. 1, 1942, recording gage at site 830 ft upstream at same datum.

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

AVERAGE DISCHARGE.--60 years (water years 1904-10, 1929-83), 6,410 ft<sup>3</sup>/s, 17.17 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 366,000 ft<sup>3</sup>/s Aug. 26, 1908 gage height, 39.7 ft, site and datum then in use, from records of National Weather Service, from rating curve extended above 122,000 ft<sup>3</sup>/s on basis of computation, by Duke Power Co., of peak flow 382,000 ft<sup>3</sup>/s over dam at Rocky Creek Reservoir; minimum daily, 143 ft<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, datum, 117.71 ft above mean sea level, at site 1.5 mi downstream, from records of National Weather Service, discharge, 400,000 ft<sup>3</sup>/s from rating curve extended above 122,000 ft<sup>3</sup>/s as explained above.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,500 ft<sup>3</sup>/s Mar. 19, gage height, 23.16 ft; minimum daily, 334 ft<sup>3</sup>/s Nov. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	732	1350	7230	8780	12300	13700	15500	13600	5610	4220	2170	1190
2	1640	2670	8520	10600	12100	13300	15300	13700	7270	5940	2090	694
3	648	5470	7060	13400	14000	13200	15500	13600	6490	5450	1610	724
4	3740	5770	1430	12900	11700	13500	16500	10800	3390	5250	2010	2160
5	3240	7910	1430	11600	11100	13500	16500	10800	5180	6040	3630	1190
6	1560	4690	6310	10000	13100	13500	15600	12500	6360	2440	3350	4990
7	2100	717	10100	9670	13600	14500	15000	10600	6100	2020	3120	3570
8	1800	3540	12800	9280	13600	14500	15500	10200	7580	5480	4170	3260
9	629	4370	13000	9130	12900	14000	20500	12600	6080	7600	2360	2360
10	578	1160	10900	10500	13200	13800	24400	9770	6080	4990	2430	2440
11	1110	3650	7810	8260	13700	13700	25500	8690	5660	4490	1880	1240
12	1070	1660	9880	7950	13800	13600	25000	6180	9090	5120	738	3280
13	1020	429	13400	7980	13600	12900	23500	5740	7640	3960	621	1380
14	3180	562	13500	7920	14400	11800	19900	2160	4800	6090	459	3180
15	3360	2890	13400	2720	14700	11900	16800	555	3880	5380	445	4730
16	597	2630	13500	1390	14600	12300	16500	6700	2030	5370	1030	3000
17	1010	2030	13600	2150	14300	14800	17400	9150	4320	2940	2170	1380
18	5280	3940	13500	5780	13900	22300	16200	7300	4320	2450	3020	671
19	6260	3200	13500	8970	13700	29500	15500	6030	6540	3540	4050	4350
20	6610	1970	13400	10200	13700	25200	15000	12600	3530	3280	4500	2230
21	1600	663	13400	10300	13600	18800	14400	13200	4910	976	1130	835
22	693	848	13000	10800	13600	18100	14000	10900	4820	1200	3310	872
23	1680	4730	11900	11500	14200	15600	13900	9920	9080	3620	3160	798
24	1790	4280	8000	13000	13900	14600	14100	9610	3290	2680	1480	3150
25	6150	838	4890	12000	13800	14500	14300	10600	2660	2100	2110	685
26	10400	334	2680	12300	13700	14400	14100	10600	444	1920	1140	1030
27	7490	1830	5160	13000	13500	14900	13900	9750	3830	1610	1120	3610
28	1280	2490	6000	13000	13400	17000	13800	5110	11700	757	832	5290
29	2360	5260	7200	10100	---	19300	13800	2610	4010	641	3790	1890
30	1850	6060	8610	5310	---	18200	13800	3680	451	1540	973	836
31	1630	---	9170	7710	---	16300	---	2720	---	2380	813	---
TOTAL	83087	87941	294280	288200	377700	487200	501700	271975	157145	111474	65711	67015
MEAN	2680	2931	9493	9297	13490	15720	16720	8773	5238	3596	2120	2234
MAX	10400	7910	13600	13400	14700	29500	25500	13700	11700	7600	4500	5290
MIN	578	334	1430	1390	11100	11800	13800	555	444	641	445	671
CAL YR 1982	TOTAL	2401158	MEAN	6579	MAX	37500	MIN	334				
WTR YR 1983	TOTAL	2793428	MEAN	7653	MAX	29500	MIN	334				

## SANTÉE RIVER BASIN

51

02148315 WATEREE RIVER BELOW EASTOVER, SC

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

DRAINAGE AREA.--5,590 mi<sup>2</sup>, approximately.

## WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records fair. Flow regulated by powerplant at Wateree Reservoir, usable capacity, 2,794,000,000 ft<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; therefore, the daily mean discharge is not shown for Dec. 16-23, 1982, and Feb. 3 - May 4, 1983, although the discharge was in excess of 10,000 ft<sup>3</sup>/s on these days.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined; minimum daily, 722 ft<sup>3</sup>/s Aug. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2740	2360	5400	3200	7650	---	---	---	4210	2870	1900	1300
2	1550	1990	6410	4340	9110	---	---	---	4920	2760	2500	1010
3	1460	2120	7360	7220	---	---	---	---	6400	5430	2300	1200
4	1730	4030	6880	9450	---	---	---	---	6540	5600	2100	906
5	1940	4440	4360	9570	---	---	---	9550	4990	5600	2000	953
6	3290	6720	2160	9500	---	---	---	9300	4920	6290	3300	1700
7	3080	5740	4310	9190	---	---	---	9270	6300	4970	3500	2520
8	2150	3000	8040	8840	---	---	---	9180	6750	2880	3300	3690
9	2530	2590	9210	8540	---	---	---	8970	7050	4540	4000	3220
10	1880	3880	9460	8430	---	---	---	9070	6680	6700	3250	3040
11	1370	3360	9290	8610	---	---	---	8910	6550	5730	2750	2300
12	1340	2610	8430	8070	---	---	---	8230	6330	4440	2570	2150
13	1550	3000	8650	7660	---	---	---	7110	7610	5070	2060	1900
14	1680	1990	9470	7470	---	---	---	6510	7370	4600	1400	2900
15	2140	1320	9670	7400	---	---	---	4250	5910	5240	1070	2210
16	3730	1720	---	5310	---	---	---	3000	4550	5290	816	4070
17	1960	2950	---	3580	---	---	---	4720	4010	5250	722	3830
18	1240	2500	---	2580	---	---	---	7770	3770	4340	1250	2650
19	2920	3130	---	4850	---	---	---	7150	4790	3040	2290	1820
20	5130	3750	---	7560	---	---	---	6710	5990	3130	3390	2060
21	5790	2820	---	8410	---	---	---	8920	5170	3810	4070	3450
22	4050	2140	---	8720	---	---	---	9400	4360	2820	2960	2100
23	1930	1400	---	8920	---	---	---	9340	5350	1700	2020	1370
24	1070	2590	9650	9170	---	---	---	9010	7180	2340	3410	1210
25	1480	4410	8750	9450	---	---	---	8790	5360	3470	2430	1590
26	3600	2880	6730	9490	---	---	---	8790	3310	2450	1880	2130
27	4450	1550	4880	9500	---	---	---	8880	2670	2190	2150	1120
28	4020	1250	4350	9560	---	---	---	8630	2770	2360	1520	1730
29	2540	2060	3800	9590	---	---	---	6650	7870	2000	1180	4160
30	2020	3860	3200	9250	---	---	---	4710	6130	1400	1740	3420
31	2570	---	2800	7610	---	---	---	3820	---	1300	2540	---
TOTAL	78930	88160	---	241040	---	---	---	---	165810	119610	72368	67709
MEAN	2546	2939	---	7775	---	---	---	---	5527	3858	2334	2257
MAX	5790	6720	---	9590	---	---	---	---	7870	6700	4070	4160
MIN	1070	1250	---	2580	---	---	---	---	2670	1300	722	906

## SANTÉE RIVER BASIN

02148315 WATEREE RIVER BELOW EASTOVER, SC--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, 5.8 units Aug. 3, 1982.

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, 178 micromhos Nov. 6; minimum, 63 micromhos Mar. 26, 27, 28, 29.

pH: Maximum, 7.2 units Oct. 29; minimum, 6.3 units Mar. 19-21, 25, and Apr. 11, 12.

WATER TEMPERATURE: Maximum, 31.9°C July 22; minimum, 5.5°C Jan. 19.

DISSOLVED OXYGEN: Maximum, 11.2 mg/L Feb. 8; minimum, 4.9 mg/L July 14, 17.

## SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	130	121	128	154	151	152	167	161	163	130	127	128
2	128	121	125	156	153	155	165	160	163	129	126	127
3	124	120	121	159	152	155	166	163	165	152	130	139
4	135	123	128	173	158	166	164	162	163	151	140	145
5	140	128	132	177	173	175	164	160	162	140	132	136
6	142	139	140	178	170	175	159	146	153	132	125	130
7	148	140	143	167	161	164	175	144	154	125	123	124
8	146	142	144	161	149	153	174	169	171	124	122	123
9	148	143	145	151	139	147	173	170	172	123	119	121
10	145	144	144	172	141	159	176	172	175	119	116	118
11	143	133	138	170	161	165	175	171	173	117	114	116
12	137	131	134	160	153	156	174	162	165	113	110	111
13	139	133	135	164	155	161	172	160	167	111	108	110
14	137	133	135	163	153	160	173	171	172	108	105	107
15	139	130	135	152	141	145	173	171	172	108	105	106
16	143	131	139	140	127	135	175	173	174	106	102	104
17	142	130	135	142	127	134	173	170	171	104	97	103
18	130	126	128	---	---	---	170	167	168	99	96	98
19	145	120	130	165	157	161	168	164	166	101	89	97
20	153	144	148	168	164	166	164	156	160	103	101	102
21	150	141	146	166	160	164	156	154	155	104	103	103
22	142	139	141	152	147	149	153	147	150	104	100	102
23	139	134	138	148	142	146	147	142	145	101	96	99
24	134	129	132	161	137	144	141	127	136	100	95	97
25	137	131	135	164	161	162	127	123	125	102	100	101
26	152	137	142	161	155	158	129	126	127	103	100	102
27	159	153	155	155	145	150	130	127	129	104	101	103
28	161	151	156	145	138	140	130	118	125	107	105	106
29	156	150	153	153	139	146	129	124	126	107	106	106
30	151	145	147	168	154	160	129	126	128	106	95	101
31	153	146	150	---	---	---	128	126	127	98	94	96

## SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	106	96	100	86	83	84	83	71	76	82	79	81
2	106	105	105	97	86	92	91	83	87	83	78	81
3	107	103	106	98	90	94	94	89	91	84	83	84
4	102	100	100	99	93	96	91	79	86	85	84	84
5	101	93	97	103	98	100	102	89	95	85	78	83
6	98	90	93	102	101	101	100	93	97	84	82	83
7	100	99	99	103	97	101	91	89	90	88	83	85
8	99	96	97	102	94	97	89	86	88	86	81	84
9	100	98	99	105	99	101	87	85	86	85	83	84
10	100	98	99	100	92	96	86	79	82	86	81	84
11	101	99	101	94	87	89	87	81	84	86	82	84
12	101	98	100	87	84	86	89	79	85	85	83	84
13	97	96	97	87	84	86	99	88	93	91	81	86
14	96	93	94	90	85	87	100	95	97	88	81	87
15	95	88	93	104	89	94	101	97	99	90	82	87
16	88	86	87	115	105	111	96	88	93	93	88	90
17	90	88	89	115	108	111	91	77	81	100	88	91
18	91	90	90	120	102	115	80	79	79	96	89	91
19	92	91	91	100	85	90	79	76	78	93	91	92
20	93	92	92	103	92	98	78	74	76	108	90	98
21	93	91	92	105	100	103	77	73	75	111	104	107
22	92	89	91	97	77	81	76	71	74	112	104	109
23	89	85	87	79	75	76	74	72	73	109	104	106
24	84	78	81	75	69	72	77	74	76	107	100	104
25	78	76	77	69	65	67	78	76	77	106	94	99
26	76	75	76	66	63	64	80	75	77	109	101	103
27	83	77	80	64	63	63	82	71	77	108	100	103
28	83	82	83	66	63	64	80	73	77	106	100	102
29	---	---	---	90	63	77	81	69	77	111	100	104
30	---	---	---	83	71	78	83	79	81	117	110	114
31	---	---	---	82	78	81	---	---	---	117	100	110
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	111	100	105	121	113	117	147	136	140	125	120	124
2	110	102	104	131	103	112	143	135	138	122	114	119
3	103	100	102	130	113	119	133	124	130	136	123	129
4	105	100	102	121	118	120	134	124	128	132	123	128
5	106	100	103	119	107	113	128	124	124	125	115	120
6	112	104	106	118	113	115	135	124	127	135	125	132
7	112	100	104	118	108	111	138	133	135	138	125	129
8	103	99	101	108	97	101	136	130	133	135	126	130
9	100	94	96	120	103	112	137	130	133	130	125	127
10	95	89	92	125	118	121	136	130	132	137	126	131
11	95	92	94	123	118	120	131	107	126	135	126	130
12	96	92	94	123	119	120	130	124	127	138	127	133
13	100	92	97	123	120	121	131	124	129	137	127	130
14	101	94	98	127	119	122	132	124	127	137	125	131
15	101	94	98	125	120	123	130	124	127	128	117	122
16	105	100	101	126	121	123	127	124	125	131	127	128
17	106	94	100	126	122	123	135	124	129	128	126	127
18	110	94	102	125	120	121	144	124	133	128	124	126
19	106	100	102	120	118	119	141	135	137	127	125	126
20	108	100	103	124	120	122	142	134	137	135	123	127
21	103	100	101	127	121	123	146	134	139	136	129	133
22	110	100	104	130	120	126	141	134	137	133	129	132
23	111	104	108	124	122	123	139	132	133	130	119	124
24	114	110	111	133	124	127	142	133	138	130	120	124
25	112	106	110	128	125	125	137	134	136	144	129	134
26	121	105	113	125	122	123	135	125	130	154	140	146
27	121	112	117	127	121	125	135	127	130	146	138	142
28	129	106	115	128	125	127	128	124	126	154	138	141
29	121	118	119	128	121	126	129	124	126	148	144	146
30	121	118	119	131	124	129	131	121	125	148	140	146
31	---	---	---	135	124	129	132	124	128	---	---	---
YEAR	178	63	118									



## Santee River Basin

02148315 WATEREE RIVER BELOW EASTOVER, SC--Continued

pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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

## 02148315 WATEREE RIVER BELOW EASTOVER, SC--Continued

pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.1	22.6	23.4	17.7	17.5	17.6	15.4	14.8	15.1	10.0	9.7	9.9
2	24.2	22.7	23.5	18.5	17.6	18.0	15.6	14.8	15.4	10.0	9.8	9.9
3	24.0	22.9	23.5	18.8	17.6	18.2	15.8	15.3	15.6	10.0	9.8	10.0
4	24.0	22.8	23.5	18.6	17.7	18.4	15.9	15.6	15.8	9.9	9.5	9.7
5	24.3	23.0	23.7	17.5	16.3	16.9	16.5	15.7	16.1	9.5	9.2	9.4
6	24.8	23.5	24.2	16.2	14.9	15.4	16.5	16.0	16.3	9.5	9.0	9.3
7	25.0	23.7	24.5	15.3	14.6	15.0	16.3	14.1	15.5	9.7	8.9	9.3
8	24.8	24.3	24.6	14.7	13.7	14.3	14.3	13.7	14.0	9.7	9.3	9.5
9	24.7	24.1	24.4	14.4	13.4	13.9	14.6	14.1	14.4	9.5	9.2	9.3
10	24.5	23.4	24.0	15.8	13.6	14.8	14.3	13.9	14.1	9.4	9.3	9.4
11	23.3	22.1	22.7	16.2	14.7	15.6	14.1	13.6	13.9	10.0	9.4	9.7
12	22.3	21.4	21.9	16.9	15.9	16.4	13.9	12.5	13.3	9.6	8.9	9.3
13	22.8	21.8	22.3	16.7	15.8	16.3	12.4	12.0	12.3	8.9	8.3	8.7
14	23.1	22.2	22.6	15.7	14.7	15.1	12.5	11.8	12.2	8.5	8.0	8.3
15	22.4	21.3	22.0	14.8	13.5	14.4	13.2	12.3	12.7	8.7	8.0	8.4
16	22.3	21.3	21.8	13.3	12.4	12.9	13.6	13.0	13.3	8.5	7.8	8.2
17	21.2	19.7	20.4	12.3	11.8	12.0	12.9	11.9	12.4	8.0	7.2	7.6
18	19.6	18.6	19.0	---	---	---	11.9	11.2	11.5	7.6	6.9	7.3
19	19.8	17.9	18.7	14.8	14.4	14.6	11.1	10.5	10.7	6.9	5.5	6.3
20	21.6	19.9	21.0	15.1	14.6	14.9	10.5	10.0	10.2	6.6	5.9	6.3
21	21.5	21.0	21.4	15.4	14.7	14.9	10.3	9.7	10.0	6.3	5.9	6.1
22	21.1	20.0	20.7	16.2	15.7	16.0	9.7	9.3	9.5	6.4	6.2	6.3
23	19.8	17.2	18.6	16.6	15.5	16.1	9.4	8.9	9.2	6.7	6.3	6.5
24	17.0	14.8	15.8	17.1	15.7	16.5	9.7	8.8	9.4	6.7	6.1	6.4
25	14.7	14.4	14.6	15.5	14.5	14.9	10.4	9.5	10.0	6.7	6.0	6.4
26	17.5	14.6	15.5	14.4	13.9	14.1	11.4	10.2	10.8	6.5	5.9	6.3
27	18.2	17.4	17.8	14.5	13.9	14.2	11.9	10.7	11.4	6.5	6.3	6.4
28	17.9	17.0	17.5	14.4	14.0	14.2	12.4	11.3	11.8	6.7	6.1	6.4
29	17.7	16.4	17.0	15.6	14.3	15.0	12.0	11.5	11.9	6.8	6.0	6.4
30	17.1	16.2	16.7	15.1	14.3	14.9	11.4	10.1	10.7	6.8	6.2	6.6
31	17.5	16.2	16.9	---	---	---	10.2	9.5	9.7	7.8	6.7	7.3



## 02148315 WATEREE RIVER BELOW EASTOVER, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.9	6.6	6.8	8.3	8.1	8.2	8.6	8.3	8.5	9.6	9.5	9.6
2	7.0	6.8	6.9	8.1	7.7	7.9	8.6	8.2	8.5	9.7	9.5	9.6
3	7.1	6.8	7.0	7.9	7.8	7.9	8.4	8.2	8.4	9.6	9.4	9.6
4	7.5	7.0	7.3	8.0	7.6	7.9	8.4	8.1	8.4	9.4	9.4	9.5
5	7.3	6.9	7.2	7.7	7.5	7.7	8.3	8.1	8.3	9.5	9.3	9.5
6	7.0	6.7	6.9	8.0	7.6	7.8	8.1	8.0	8.1	9.4	9.3	9.4
7	7.0	6.7	6.9	8.5	8.1	8.5	8.3	7.9	8.1	9.4	9.3	9.4
8	6.9	6.8	6.9	8.5	8.4	8.5	8.4	8.1	8.3	9.6	9.3	9.5
9	6.9	6.7	6.9	8.7	8.5	8.6	8.4	8.2	8.3	9.6	9.4	9.6
10	6.9	6.7	6.8	8.8	8.3	8.7	8.2	8.1	8.2	9.7	9.6	9.7
11	7.0	6.7	7.0	8.4	8.3	8.4	8.2	8.0	8.1	9.7	9.6	9.7
12	7.3	7.0	7.3	8.3	8.1	8.2	8.2	7.9	8.1	9.7	9.5	9.6
13	7.4	7.2	7.3	8.3	8.1	8.3	8.6	8.2	8.5	9.9	9.7	9.8
14	7.3	7.1	7.2	8.2	8.0	8.2	8.6	8.6	8.6	10.1	9.9	10.1
15	7.3	7.0	7.2	8.4	8.1	8.3	8.6	8.4	8.6	10.2	10.0	10.1
16	7.1	6.9	7.0	9.0	8.4	8.7	8.4	8.4	8.5	10.0	9.8	9.9
17	7.5	7.0	7.3	9.0	9.0	9.1	8.5	8.4	8.5	10.0	9.8	9.9
18	7.8	7.5	7.7	---	---	---	8.7	8.5	8.7	10.0	9.9	10.0
19	8.2	7.4	7.9	8.7	8.4	8.6	8.9	8.7	8.9	10.8	9.9	10.5
20	7.4	7.1	7.3	8.4	8.2	8.4	9.1	8.9	9.0	10.7	10.5	10.6
21	7.2	7.1	7.2	8.4	8.1	8.3	9.1	8.9	9.0	10.7	10.5	10.7
22	7.6	7.2	7.5	8.4	8.3	8.4	9.2	9.0	9.1	10.7	10.6	10.7
23	8.0	7.6	7.8	8.4	7.9	8.2	9.2	9.2	9.2	10.7	10.7	10.8
24	8.6	8.0	8.4	8.4	7.9	8.1	9.2	9.1	9.2	10.8	10.7	10.8
25	9.0	8.7	8.9	8.8	8.2	8.7	9.0	8.8	8.9	10.7	10.7	10.8
26	8.9	7.9	8.7	8.8	8.5	8.8	9.0	8.8	8.9	10.8	10.7	10.8
27	7.8	7.7	7.8	8.8	8.6	8.7	9.1	9.0	9.1	10.8	10.7	10.8
28	8.0	7.8	8.0	8.6	8.5	8.6	9.4	9.0	9.2	10.8	10.8	10.9
29	8.3	8.0	8.2	8.8	8.5	8.7	9.4	9.1	9.3	10.8	10.8	10.9
30	8.2	8.0	8.2	8.8	8.3	8.7	9.4	9.3	9.4	10.8	10.3	10.6
31	8.4	8.2	8.3	---	---	---	9.7	9.4	9.5	10.3	10.1	10.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.8	10.3	10.5	10.0	9.8	10.0	9.0	8.7	8.9	8.3	8.0	8.3
2	10.9	10.7	10.8	10.1	9.8	10.0	9.0	8.7	8.8	8.2	7.4	8.0
3	10.6	10.4	10.6	10.1	10.0	10.1	9.0	8.8	8.9	8.0	7.7	8.0
4	10.6	10.4	10.5	10.0	9.9	10.0	9.2	8.9	9.1	7.9	7.6	7.8
5	10.6	10.3	10.5	9.9	9.8	9.9	9.3	9.1	9.2	7.6	6.1	7.1
6	10.9	10.4	10.7	9.8	9.6	9.8	9.3	9.0	9.1	7.5	6.1	7.0
7	10.9	10.9	11.0	9.6	9.4	9.6	9.0	8.8	8.9	7.8	7.3	7.6
8	11.2	10.9	11.0	9.3	9.2	9.3	8.8	8.6	8.7	7.7	7.3	7.5
9	10.9	10.8	10.9	9.2	9.1	9.2	8.7	8.4	8.6	7.5	7.3	7.5
10	10.8	10.6	10.7	9.1	9.0	9.1	8.4	8.2	8.3	7.7	7.4	7.7
11	10.6	10.6	10.7	9.1	9.1	9.2	8.3	7.8	8.0	7.7	7.2	7.4
12	10.6	10.5	10.6	9.3	9.1	9.2	8.0	7.6	7.8	7.4	6.8	7.2
13	10.6	10.5	10.6	9.3	9.2	9.3	8.1	7.8	8.0	6.9	6.1	6.8
14	10.7	10.6	10.7	9.2	9.0	9.2	8.1	7.8	7.9	7.0	6.2	6.9
15	10.8	10.6	10.7	9.0	8.9	9.0	7.8	7.6	7.7	6.7	6.0	6.2
16	10.8	10.7	10.8	9.0	8.8	8.9	7.8	7.6	7.7	6.4	5.9	6.2
17	10.6	10.6	10.7	9.0	8.9	9.0	8.1	7.8	8.0	6.9	5.9	6.3
18	10.6	10.6	10.7	9.0	8.9	9.0	8.1	8.1	8.1	7.2	6.9	7.1
19	10.6	10.5	10.6	8.9	8.5	8.8	8.3	8.1	8.2	7.1	6.9	7.1
20	10.7	10.6	10.7	8.5	7.9	8.3	8.6	8.4	8.5	7.0	6.2	6.8
21	10.7	10.7	10.7	8.1	7.8	8.0	8.6	8.5	8.6	6.9	6.0	6.5
22	10.7	10.6	10.7	8.5	8.0	8.3	8.6	8.5	8.6	6.7	6.0	6.4
23	10.6	10.4	10.6	8.8	8.4	8.6	8.6	8.4	8.6	6.6	6.2	6.4
24	10.4	10.2	10.4	8.7	8.6	8.7	8.5	8.4	8.5	6.6	6.2	6.4
25	10.2	10.1	10.2	9.0	8.7	8.9	8.5	8.4	8.5	6.7	6.1	6.5
26	10.2	10.1	10.2	9.2	9.0	9.1	8.6	8.5	8.6	6.9	6.1	6.5
27	10.2	10.1	10.2	9.1	9.0	9.1	8.7	8.5	8.6	6.7	6.5	6.7
28	10.2	10.0	10.1	9.1	8.9	9.1	8.6	8.3	8.5	6.7	6.3	6.6
29	---	---	---	9.3	9.0	9.2	8.5	8.3	8.5	6.6	6.2	6.5
30	---	---	---	9.3	9.2	9.3	8.4	8.3	8.4	6.5	6.0	6.4
31	---	---	---	9.2	8.8	9.0	---	---	---	6.4	6.1	6.3





02153780 CLARKS FORK CREEK NEAR SMYRNA, SC

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

DRAINAGE AREA.--24.1 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1980 to current year.

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

REMARKS.--Records good, except for period of missing gage-height record Dec. 12 to Jan. 11, which is fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height 11.29 ft Dec. 31, 1981, discharge not determined; minimum daily 1.1 ft<sup>3</sup>/s Sept. 20-31, 1981, and Sept. 12-13 and 20, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 1,110 ft<sup>3</sup>/s, Mar. 27, gage height, 10.54 ft; minimum daily 1.1 ft<sup>3</sup>/s Sept. 12, 13, and 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	6.7	22	25	19	28	33	30	20	18	9.0	1.8
2	4.9	6.6	20	150	127	26	61	30	20	15	13	2.3
3	4.5	7.4	15	100	41	26	74	30	19	14	8.8	3.0
4	4.3	36	13	50	27	25	44	34	20	13	7.4	3.3
5	4.6	24	14	30	24	25	40	28	22	13	8.1	3.0
6	4.6	12	24	25	88	100	38	26	19	14	8.0	2.2
7	4.4	10	16	20	68	59	42	25	21	13	13	1.7
8	15	9.5	13	17	34	45	81	28	23	12	9.0	1.5
9	13	8.8	12	20	28	33	196	28	19	12	6.3	1.4
10	7.7	9.1	11	30	27	29	208	25	18	11	5.4	1.3
11	6.7	8.6	22	25	48	29	55	25	17	11	4.7	1.6
12	6.5	9.5	200	16	31	27	43	24	17	11	4.2	1.1
13	9.0	27	40	13	27	26	38	26	17	11	3.9	1.1
14	11	13	25	13	272	26	36	25	16	11	3.4	1.6
15	7.5	11	20	13	94	26	93	24	17	11	3.3	1.9
16	6.2	9.7	70	12	37	25	58	28	16	10	3.2	1.5
17	5.8	9.3	40	12	31	269	40	25	16	9.3	3.1	1.4
18	5.7	9.3	30	12	29	187	38	23	16	9.9	3.0	1.3
19	5.7	11	25	11	28	46	35	24	16	10	2.9	1.2
20	5.8	11	20	11	26	33	34	26	17	9.9	2.8	1.1
21	6.2	11	17	20	26	39	33	53	16	8.5	2.2	1.5
22	6.7	10	15	116	27	32	32	30	28	8.0	2.1	3.1
23	6.2	9.9	14	192	71	29	34	28	18	7.2	2.1	2.3
24	6.5	9.7	13	70	37	30	53	24	16	6.7	1.9	1.8
25	21	8.8	13	41	34	36	40	23	15	6.5	2.6	1.6
26	17	8.7	12	29	29	37	34	22	15	6.9	3.5	1.6
27	9.3	8.9	12	25	28	464	33	21	14	5.8	2.9	1.6
28	7.5	9.6	13	25	27	104	32	21	14	5.1	2.7	1.5
29	7.0	20	25	23	---	52	31	21	14	4.7	2.4	1.4
30	6.6	16	20	22	---	56	31	21	16	4.5	2.0	1.3
31	6.6	---	30	19	---	56	---	20	---	4.5	1.7	---
TOTAL	238.6	362.1	836	1187	1385	2025	1640	818	532	307.5	148.6	53.0
MEAN	7.70	12.1	27.0	38.3	49.5	65.3	54.7	26.4	17.7	9.92	4.79	1.77
MAX	21	36	200	192	272	464	208	53	28	18	13	3.3
MIN	4.3	6.6	11	11	19	25	31	20	14	4.5	1.7	1.1
CAL YR 1982	TOTAL	8139.7	MEAN	22.3	MAX	369	MIN	4.3				
WTR YR 1983	TOTAL	9532.8	MEAN	26.1	MAX	464	MIN	1.1				

## SANTEE RIVER BASIN

02154500 NORTH PACOLET RIVER AT FINGERVILLE, SC

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

DRAINAGE AREA.--116 mi<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 National Geodetic Vertical Datum of 1929. From Nov. 26, 1929 to Nov. 24, 1933, recording gage at site about 400 ft downstream at datum 5.60 ft higher.

REMARKS.--Records good, except those for periods of no gage-height record, Mar. 12, 13 and July 10-17, which are poor. Some diurnal fluctuation at low and medium flow caused by mill above station.

AVERAGE DISCHARGE.--54 years, 212 ft<sup>3</sup>/s, 24.82 in/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,540 ft<sup>3</sup>/s Apr. 10, gage height 7.67 ft. No peaks above base of 1,600 ft<sup>3</sup>/s. Minimum discharge 69 ft<sup>3</sup>/s Oct. 7, gage height 3.14 ft; minimum daily 70 ft<sup>3</sup>/s Oct. 6, 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	86	254	167	201	232	316	263	202	440	97	87
2	75	88	236	175	591	218	419	257	192	620	107	88
3	72	91	207	200	975	210	507	253	195	430	105	103
4	72	213	197	179	364	205	367	265	197	300	102	118
5	73	204	196	168	280	202	333	244	197	210	112	144
6	70	136	362	164	299	419	405	236	190	220	103	137
7	70	117	243	159	320	442	362	232	188	210	111	109
8	90	110	200	155	280	626	384	233	215	218	100	94
9	105	106	180	151	250	467	574	236	183	230	98	89
10	89	103	167	150	241	334	1330	223	175	245	93	85
11	102	101	172	152	352	297	715	220	176	235	89	84
12	97	103	434	147	290	269	411	217	172	190	86	81
13	185	196	288	140	260	255	353	222	167	155	85	83
14	238	140	223	138	339	241	327	234	162	125	82	104
15	128	121	201	138	346	233	351	219	163	130	80	105
16	105	113	613	135	278	224	315	232	176	125	80	91
17	95	109	427	133	258	409	292	228	168	110	78	87
18	91	110	276	132	241	1220	302	209	177	120	83	84
19	91	134	236	128	231	810	306	231	194	119	90	81
20	91	136	216	127	222	412	286	595	182	119	100	81
21	91	134	195	120	212	545	278	509	175	119	92	145
22	90	139	182	522	221	440	272	363	169	105	84	188
23	86	129	173	525	495	343	324	333	186	107	84	114
24	84	123	167	429	331	325	597	292	171	105	84	99
25	102	114	169	349	279	335	397	262	160	109	89	92
26	127	110	177	285	250	334	331	247	158	134	91	90
27	99	110	165	254	235	644	305	244	154	113	85	88
28	93	115	179	241	227	682	289	227	160	107	84	85
29	90	271	228	233	---	422	276	222	170	103	84	83
30	89	223	191	220	---	349	268	217	260	100	84	82
31	87	---	175	210	---	341	---	207	---	97	84	---
TOTAL	3053	3985	7329	6426	8868	12485	11992	8172	5434	5750	2826	3001
MEAN	98.5	133	236	207	317	403	400	264	181	185	91.2	100
MAX	238	271	613	525	975	1220	1330	595	260	620	112	188
MIN	70	86	165	120	201	202	268	207	154	97	78	81
CFSM	.85	1.15	2.03	1.78	2.73	3.47	3.45	2.28	1.56	1.60	.79	.86
IN.	.98	1.28	2.35	2.06	2.84	4.00	3.85	2.62	1.74	1.84	.91	.96

CAL YR 1982 TOTAL 74461 MEAN 204 MAX 2600 MIN 70 CFSM 1.76 IN 23.88  
WTR YR 1983 TOTAL 79321 MEAN 217 MAX 1330 MIN 70 CFSM 1.87 IN 25.44

## Santee River Basin

61

02154950 LAKE WILLIAM C. BOWEN NEAR FINGERVILLE, SC

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

DRAINAGE AREA.--79.4 mi<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. Spillway crest is 815 ft NGVD. Water used as inflow to South Pacolet River Reservoir, capacity, 1,104,000,000 gal.

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

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 816.09 ft Apr. 10; minimum, 813.68 ft Sept. 1.

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

811 ft	5.45
812 ft	5.90
813 ft	6.35
814 ft	6.80
815 ft	7.30
816 ft	7.80

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	814.26	815.09	815.30	815.18	815.18	815.23	815.33	815.28	815.11	815.26	814.00	813.71
2	814.29	815.08	815.30	815.20	815.50	815.22	815.47	815.27	815.09	815.14	813.97	813.72
3	814.29	815.08	815.26	815.20	815.46	815.23	815.40	815.30	815.05	815.07	813.98	813.73
4	814.30	815.08	815.20	815.18	815.42	815.22	815.35	815.27	815.03	815.02	813.98	813.76
5	814.31	815.20	815.24	815.16	815.38	815.21	815.37	815.25	814.99	815.09	813.99	813.78
6	814.32	815.10	815.28	815.16	815.34	815.40	815.37	815.24	814.97	815.08	814.02	813.82
7	814.33	815.10	815.22	815.14	815.30	815.36	815.37	815.24	814.98	815.01	814.02	813.80
8	814.41	815.10	815.20	815.14	815.26	815.47	815.43	815.29	814.97	814.96	814.02	813.79
9	814.45	815.10	815.19	815.14	815.28	815.38	815.79	815.22	814.93	814.89	814.02	813.76
10	814.49	815.10	815.18	815.14	815.28	815.33	815.86	815.19	814.89	814.83	814.02	813.74
11	814.53	815.12	815.22	815.12	815.30	815.28	815.55	815.18	814.83	814.76	814.01	813.72
12	814.56	815.14	815.26	815.12	815.26	815.25	815.44	815.18	814.77	814.70	813.98	813.69
13	814.85	815.16	815.30	815.10	815.29	815.25	815.38	815.22	814.71	814.63	813.95	813.67
14	814.96	815.12	815.25	815.10	815.32	815.25	815.39	815.21	814.67	814.55	813.93	813.69
15	815.23	815.11	815.20	815.09	815.28	815.24	815.38	815.19	814.68	814.50	813.92	813.67
16	815.00	815.10	815.46	815.09	815.24	815.23	815.33	815.24	814.70	814.48	813.90	813.64
17	815.00	815.10	815.40	815.08	815.22	815.78	815.31	815.20	814.71	814.45	813.89	813.62
18	815.00	815.10	815.34	815.08	815.20	815.84	815.34	815.17	814.79	814.43	813.88	813.60
19	815.00	815.12	815.28	815.08	815.18	815.53	815.31	815.29	814.83	814.40	813.86	813.57
20	815.00	815.14	815.22	815.08	815.18	815.44	815.29	815.70	814.86	814.37	813.84	813.56
21	815.00	815.16	815.20	815.15	815.17	815.47	815.29	815.51	814.88	814.35	813.91	813.62
22	815.00	815.16	815.20	815.22	815.39	815.39	815.29	815.36	814.90	814.31	813.93	813.63
23	815.00	815.14	815.20	815.30	815.45	815.34	815.46	815.28	814.92	814.27	813.91	813.61
24	815.00	815.12	815.18	815.38	815.37	815.37	815.45	815.24	814.92	814.23	813.90	813.59
25	815.10	815.12	815.18	815.34	815.31	815.35	815.36	815.22	814.92	814.29	813.88	813.56
26	815.10	815.10	815.16	815.30	815.28	815.38	815.33	815.18	814.91	814.30	813.87	813.54
27	815.10	815.10	815.16	815.28	815.27	815.69	815.31	815.16	814.91	814.26	813.87	813.52
28	815.10	815.14	815.16	815.24	815.27	815.51	815.29	815.14	814.93	814.21	813.84	813.49
29	815.10	815.24	815.16	815.22	---	815.40	815.29	815.13	814.93	814.16	813.80	813.46
30	815.10	815.24	815.18	815.22	---	815.36	815.28	815.11	815.11	814.10	813.76	813.44
31	815.10	---	815.18	815.20	---	815.36	---	815.10	---	814.04	813.73	---
MAX	815.23	815.24	815.46	815.38	815.50	815.84	815.86	815.70	815.11	815.26	814.02	813.82
MIN	814.26	815.08	815.16	815.08	815.17	815.21	815.28	815.10	814.67	814.04	813.73	813.44
(+)	7.35	7.42	7.39	7.40	7.44	7.48	7.44	7.35	7.36	6.82	6.68	6.55
(*)	21.46	3.61	1.50	0.50	2.21	2.00	-2.06	-4.49	0.52	-26.95	-6.99	-6.70

CAL YR 1982 \* 0.17 MAX 816.09 MIN 814.20

WTR YR 1983 \* -1.57 MAX 815.86 MIN 813.44

(+) 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, SC

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

DRAINAGE AREA.--212 mi<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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Some regulation by South Pacolet River Reservoir and Lake William C. Bowen (see preceding page). Some diurnal fluctuation caused by mill on North Pacolet River. About 39.7 ft<sup>3</sup>/s per day diverted above station for City of Spartanburg water supply during water year.

AVERAGE DISCHARGE.--54 years, 352 ft<sup>3</sup>/s, 22.55 in/yr.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,140 ft<sup>3</sup>/s Apr. 10, gage height, 5.44 ft; minimum daily, 84 ft<sup>3</sup>/s Aug. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	126	436	230	353	340	654	474	309	1020	107	94
2	128	129	417	281	950	232	731	423	304	604	116	91
3	116	130	364	362	1750	282	957	423	310	366	115	105
4	87	273	356	336	824	427	758	475	320	255	112	120
5	89	349	347	321	604	434	657	362	322	302	120	152
6	88	203	584	293	611	645	752	364	335	334	110	143
7	88	155	416	227	641	793	706	326	354	278	120	115
8	105	147	356	242	572	1040	722	379	384	267	107	97
9	123	147	330	238	404	854	1010	378	319	286	112	93
10	103	125	312	237	414	644	2710	330	289	348	103	89
11	118	110	312	241	658	600	1820	271	284	187	96	87
12	113	110	678	230	583	547	997	263	279	184	94	85
13	285	110	549	213	479	465	780	260	272	177	92	101
14	441	110	501	211	650	383	691	266	277	187	89	128
15	218	109	416	210	649	360	724	248	284	202	90	132
16	145	108	979	207	520	331	639	306	304	191	89	119
17	122	108	947	203	369	669	593	362	219	150	89	110
18	102	108	605	183	361	2290	581	336	228	156	94	107
19	100	108	484	167	363	1900	569	399	252	176	109	106
20	102	108	479	172	349	993	542	1220	241	163	100	107
21	102	150	287	162	338	1100	431	1460	231	183	85	172
22	98	195	255	828	344	937	455	813	217	177	94	240
23	95	197	225	996	803	720	560	687	282	173	115	144
24	127	167	290	887	708	664	1080	632	276	112	84	127
25	128	164	302	739	569	681	827	591	198	145	97	120
26	169	169	256	604	504	679	670	545	203	148	97	116
27	136	219	276	496	422	1190	583	379	203	122	93	116
28	113	218	333	406	380	1520	434	351	214	115	91	114
29	100	441	395	392	---	964	457	349	204	112	86	109
30	98	399	312	378	---	735	450	342	211	108	91	109
31	108	---	241	364	---	691	---	314	---	106	97	---
TOTAL	4084	5192	13040	11056	16172	24110	23540	14328	8125	7334	3094	3548
MEAN	132	173	421	357	578	778	785	462	271	237	99.8	118
MAX	441	441	979	996	1750	2290	2710	1460	384	1020	120	240
MIN	87	108	225	162	338	232	431	248	198	106	84	85
CFSM	.62	.82	1.99	1.68	2.73	3.67	3.70	2.18	1.28	1.12	.47	.56
IN.	.72	.91	2.29	1.94	2.84	4.23	4.13	2.51	1.43	1.29	.54	.62
CAL YR 1982	TOTAL	109641	MEAN 300	MAX 3730	MIN 87	CFSM 1.42	IN 19.24					
WTR YR 1983	TOTAL	133623	MEAN 366	MAX 2710	MIN 84	CFSM 1.73	IN 23.45					

## 02156050 LAWSONS FORK CREEK AT DEWEY PLANT NEAR INMAN, SC

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 mi southeast of Inman and 3.8 mi upstream from the confluence with Meadow Creek.

DRAINAGE AREA.--6.46 mi<sup>2</sup>.

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

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

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 213 ft<sup>3</sup>/s May 23, 1980, gage height, 7.86 ft; minimum daily, 2.0 ft<sup>3</sup>/s Oct. 8, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 115 ft<sup>3</sup>/s May. 20, gage height, 5.60 ft; minimum daily, 3.0 ft<sup>3</sup>/s Aug. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	4.1	19	7.3	7.8	9.7	12	9.8	7.3	25	5.8	3.2
2	4.0	4.1	9.2	9.0	38	8.6	32	9.5	6.6	7.5	4.7	4.2
3	4.0	4.2	8.5	11	14	8.3	19	11	6.5	6.2	4.3	4.4
4	4.0	8.5	6.8	9.0	10	8.1	14	11	6.9	7.0	4.3	4.2
5	3.9	5.2	15	8.0	8.3	8.0	13	9.3	6.3	9.4	4.2	4.3
6	3.7	4.3	14	7.4	23	25	16	9.0	6.1	7.7	4.3	5.2
7	3.7	4.1	7.6	7.0	18	12	12	8.8	7.0	5.5	4.4	3.6
8	6.7	4.0	6.6	6.8	12	16	23	9.2	7.1	5.3	4.3	3.5
9	4.5	3.9	6.4	6.5	10	11	46	8.4	6.5	5.2	4.2	3.9
10	4.4	3.8	7.1	6.3	14	9.7	50	8.5	6.2	5.1	4.2	3.5
11	4.9	3.9	13	6.4	21	8.9	19	8.2	6.1	5.0	4.1	3.4
12	4.3	4.5	47	6.3	12	8.2	15	7.6	6.0	4.9	4.0	3.2
13	16	6.6	12	6.2	10	7.9	14	8.2	5.9	4.9	4.0	3.4
14	6.9	4.7	9.2	6.4	29	7.8	12	10	5.7	4.9	4.0	3.9
15	4.9	4.5	9.4	6.4	17	7.7	18	8.5	5.9	4.8	4.0	3.5
16	4.5	4.2	38	6.3	13	7.3	12	16	6.3	4.7	4.0	3.4
17	4.4	4.2	13	6.4	11	55	12	8.5	5.9	4.6	4.0	3.5
18	4.4	4.8	9.9	6.0	9.9	53	15	7.6	5.8	4.6	4.0	3.3
19	4.3	5.6	8.5	5.9	9.4	20	12	14	6.6	4.6	3.6	3.1
20	4.3	5.2	7.8	5.9	8.9	15	11	59	5.8	4.5	3.5	3.2
21	4.3	4.8	7.1	7.6	8.4	20	10	34	5.4	4.5	3.4	4.4
22	4.2	4.7	7.1	30	16	13	10	15	11	4.5	3.3	3.6
23	4.2	5.1	7.0	33	33	12	25	11	7.0	4.4	3.3	3.5
24	4.2	4.9	6.8	27	14	15	23	9.7	6.0	4.4	3.0	3.4
25	6.2	4.7	6.6	18	11	19	14	8.9	5.5	12	3.2	3.7
26	5.0	4.7	6.6	13	9.9	16	12	8.2	5.3	8.9	3.2	3.7
27	4.4	5.0	6.8	12	9.3	73	11	7.7	5.2	4.7	3.3	3.5
28	4.3	7.1	7.6	11	9.3	25	9.9	7.5	8.5	4.5	3.3	3.6
29	4.4	22	8.4	9.8	---	16	9.7	7.6	5.6	4.3	3.2	3.3
30	4.2	8.4	7.0	9.0	---	14	9.5	7.2	12	4.1	3.2	3.6
31	4.1	---	6.7	8.3	---	15	---	6.9	---	4.0	3.2	---
TOTAL	151.3	165.8	345.7	319.2	407.2	545.2	511.1	365.8	198.0	191.7	119.5	110.2
MEAN	4.88	5.33	11.2	10.3	14.5	17.6	17.0	11.8	6.60	6.18	3.85	3.67
MAX	16	22	47	33	38	73	50	59	12	25	5.8	5.2
MIN	3.7	3.8	6.4	5.9	7.8	7.3	9.5	6.9	5.2	4.0	3.0	3.1
CAL YR 1982	TOTAL	3440.3	MEAN	9.43	MAX	99	MIN	3.7				
WTR YR 1983	TOTAL	3430.7	MEAN	9.40	MAX	73	MIN	3.0				

## SANTÉE RIVER BASIN

02156450 NEALS CREEK NEAR CARLISLE, SC

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

DRAINAGE AREA.--12.3 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--October 1980 to current year, discharge below 300 ft<sup>3</sup>/s only.

GAGE.--Water-stage recorder. Altitude of gage is 320 ft (from topographic map).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.71 ft Dec. 31, 1981, discharge not determined; minimum daily discharge, 0.81 ft<sup>3</sup>/s Sept. 30, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.87 ft Mar. 18, discharge not determined; minimum daily discharge, 0.81 ft<sup>3</sup>/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	3.1	38	18	15	17	30	8.5	6.1	12	2.3	1.6
2	2.5	3.2	24	118	85	13	46	8.4	5.9	5.3	2.9	3.4
3	2.5	4.5	14	75	39	11	45	8.7	4.9	4.4	2.9	2.5
4	2.4	21	11	30	23	11	28	13	4.9	5.5	2.7	2.2
5	2.5	11	10	21	18	10	23	8.8	4.6	41	2.3	2.1
6	2.3	6.0	19	18	83	61	21	8.1	4.6	39	2.1	2.2
7	2.5	4.5	11	16	60	68	21	7.9	6.3	7.7	2.1	1.8
8	6.8	3.8	9.4	13	29	42	55	9.7	8.5	3.7	5.7	1.6
9	8.0	3.4	8.7	14	21	27	66	14	5.5	2.6	3.2	1.6
10	3.6	3.3	8.3	15	21	20	56	9.2	5.0	2.3	2.7	1.7
11	3.7	3.5	15	13	47	18	32	8.7	5.0	2.5	2.6	1.6
12	3.7	4.2	161	12	26	15	24	8.2	4.8	2.6	6.1	1.2
13	13	9.0	26	11	20	14	20	8.2	4.6	2.5	3.0	1.3
14	11	5.1	17	11	222	13	18	11	4.5	2.6	2.5	1.9
15	4.8	4.7	15	10	64	12	23	8.0	4.4	2.6	2.2	1.5
16	3.3	4.5	59	9.8	28	11	18	8.4	5.6	2.5	2.0	1.1
17	2.6	4.7	28	9.5	21	269	16	7.3	4.3	2.5	1.9	1.0
18	2.5	4.9	19	9.2	16	265	15	6.6	7.5	2.5	1.9	.96
19	2.5	5.0	17	9.8	14	45	14	8.2	7.8	2.4	1.8	.87
20	2.8	4.7	15	8.4	12	23	13	13	4.8	2.2	1.8	.96
21	3.4	5.1	13	18	11	91	13	37	4.4	2.2	1.7	1.6
22	3.1	4.9	12	136	15	33	12	14	4.6	2.1	1.6	1.7
23	2.8	4.8	11	145	71	23	12	11	4.5	2.1	1.5	1.3
24	2.8	4.6	11	52	31	31	16	8.4	4.2	1.9	1.4	1.1
25	5.3	4.3	10	28	21	70	12	7.4	4.1	1.9	3.0	1.1
26	4.1	4.4	9.9	20	16	59	11	7.1	4.0	2.4	2.3	1.1
27	3.1	4.6	9.6	18	13	93	9.8	6.7	4.0	2.0	2.0	1.0
28	3.0	4.7	9.7	27	14	48	9.3	6.3	3.9	1.9	1.8	.99
29	3.0	11	18	19	---	29	8.9	6.2	4.1	1.9	1.6	.84
30	3.0	9.2	15	18	---	22	8.6	6.4	4.3	2.1	1.2	.81
31	3.0	---	22	16	---	39	---	5.8	---	2.2	1.3	---
TOTAL	122.2	171.7	666.6	938.7	1056	1503	696.6	300.2	151.7	171.1	74.1	44.63
MEAN	3.94	5.72	21.5	30.3	37.7	48.5	23.2	9.68	5.06	5.52	2.39	1.49
MAX	13	21	161	145	222	269	66	37	8.5	41	6.1	3.4
MIN	2.3	3.1	8.3	8.4	11	10	8.6	5.8	3.9	1.9	1.2	.81
CAL YR 1982	TOTAL	4690.50	MEAN	12.9	MAX	268	MIN	2.3				
WTR YR 1983	TOTAL	5896.53	MEAN	16.2	MAX	269	MIN	.81				

## Santee River Basin

65

02156500 BROAD RIVER NEAR CARLISLE, SC

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 upstream from Sandy River, 2.0 mi downstream from Seaboard Coast Line Railroad bridge, 2.5 mi east of Carlisle, 5.0 mi downstream from Neals Shoals Dam, and at mile 226.0.

DRAINAGE AREA.--2,790 mi<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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff.

AVERAGE DISCHARGE.--45 years, 4,043 ft<sup>3</sup>/s, 19.68 in/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,600 ft<sup>3</sup>/s, Mar. 18, gage height, 14.21 ft, no other peaks above base of 25,000 ft<sup>3</sup>/s; minimum discharge, 332 ft<sup>3</sup>/s July 28; minimum daily, 905 ft<sup>3</sup>/s Oct. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1070	1080	4160	3040	3630	4110	7780	5050	3290	3040	1670	1360
2	1070	1320	4210	4160	6480	3680	6890	4730	3170	5420	1590	1460
3	1060	1560	4020	6120	18300	3700	9800	4640	3440	4700	1970	1500
4	976	2060	3360	4710	15900	3790	10400	4960	3180	3510	2040	1610
5	1140	2990	3110	3540	8310	4070	7800	5320	3220	2650	1930	1630
6	905	2710	3890	3040	7150	4660	6720	4570	3940	3820	1620	1790
7	936	1750	4970	2960	9740	10900	6680	4010	3260	2780	1950	1810
8	1400	1680	4720	2800	8560	10800	8000	4170	3680	2910	1910	2040
9	1610	1630	3570	2880	6460	9070	10200	4600	4020	2660	2220	1750
10	1480	1770	3170	2590	5580	7070	12300	4420	3280	2470	1650	1250
11	1210	1690	3500	2460	6340	5980	17000	3820	3290	2130	1770	1130
12	939	1500	9280	2460	7740	5590	13300	3920	3000	2170	1710	1230
13	2170	1980	12200	2370	6150	5120	8920	3860	2540	2360	1120	1480
14	1950	2360	6750	2340	8490	4830	7530	3830	2530	2020	1280	1250
15	2910	1820	4980	2420	15700	4140	6920	4140	2640	1510	1760	2090
16	2060	1930	5660	2150	10200	4120	8790	3750	2720	2180	1520	1740
17	1210	1930	12500	2410	6700	6280	7230	4240	2970	2510	1470	1530
18	1350	1910	8100	2290	5500	24500	6390	4370	2650	1770	1470	1430
19	1120	1670	5580	2190	4870	23800	5900	3840	3080	1760	1610	1560
20	1270	2220	4750	2050	4630	12900	5850	3900	2800	1690	1600	1170
21	1530	1970	4260	2270	4040	10100	5440	7390	2930	1940	1350	1340
22	1260	1610	3680	6260	3870	9350	5480	7890	2640	1830	1180	1570
23	1280	2230	2890	13000	6130	7890	5360	6820	3150	1820	1410	2880
24	1180	1910	2850	14800	8450	6520	6800	6160	3200	2080	1240	1740
25	1510	1750	2720	10500	6730	6950	11100	5500	3110	1660	1470	1240
26	1650	1730	2910	7790	5580	7810	8130	4880	2920	2360	1770	1540
27	1900	1930	2510	6180	4790	8230	6620	4430	2380	1910	1680	1340
28	1570	1790	3100	5500	4310	13100	6000	4260	2320	1550	1740	1200
29	1590	2450	3130	4930	---	14400	5370	3860	2630	1760	1330	1500
30	1440	3730	3200	4080	---	9350	5280	3670	2920	1280	1520	1290
31	1240	---	3450	3690	---	7820	---	3650	---	1790	1320	---
TOTAL	43986	58660	147180	137980	210330	260630	239980	144650	90900	74040	49870	46450
MEAN	1419	1955	4748	4451	7512	8407	7999	4666	3030	2388	1609	1548
MAX	2910	3730	12500	14800	18300	24500	17000	7890	4020	5420	2220	2880
MIN	905	1080	2510	2050	3630	3680	5280	3650	2320	1280	1120	1130
CFSM	.51	.70	1.70	1.60	2.69	3.01	2.87	1.67	1.09	.86	.58	.56
IN.	.59	.78	1.96	1.84	2.80	3.48	3.20	1.93	1.21	.99	.66	.62

CAL YR 1982 TOTAL 1286286 MEAN 3524 MAX 33300 MIN 790 CFSM 1.26 IN 17.15  
WTR YR 1983 TOTAL 1504656 MEAN 4122 MAX 24500 MIN 905 CFSM 1.48 IN 20.06



## SANTEE RIVER BASIN

02156500 BROAD RIVER NEAR CARLISLE, SC-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 239 micromhos Aug. 24, 1983; minimum, 17 micromhos Feb. 16, 1983.

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, 239 micromhos Aug. 24; minimum, 34 micromhos Jan. 26.

pH: Maximum, 8.1 units Aug. 24; minimum, 6.3 units Dec. 12, 13, 19, and 20.

WATER TEMPERATURE: Maximum, 32.6°C Aug. 23; minimum, 2.0°C Jan. 21.

DISSOLVED OXYGEN: Maximum, 13.1 mg/L Feb. 16; minimum, 5.1 mg/L Aug. 24, 25.

## SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	89	85	87	74	66	68	62	61	62
2	---	---	---	124	84	92	67	64	65	66	53	58
3	---	---	---	127	90	111	72	67	69	54	53	54
4	---	---	---	93	87	90	73	70	71	55	53	55
5	100	95	98	111	80	91	73	68	70	57	54	55
6	105	100	103	100	79	86	72	68	70	61	57	58
7	105	99	102	79	74	76	72	66	70	62	60	61
8	100	90	96	74	70	72	65	62	63	66	60	65
9	92	89	90	77	71	75	69	63	65	67	66	67
10	92	87	89	82	76	79	74	70	72	70	66	67
11	99	94	95	81	77	79	79	75	76	67	66	67
12	97	92	95	84	79	80	69	48	62	66	64	65
13	92	89	90	86	79	83	61	54	59	65	61	63
14	91	80	86	89	84	86	59	55	58	76	61	69
15	82	77	79	90	87	88	62	59	61	78	68	72
16	79	70	74	89	77	82	66	52	59	73	71	72
17	74	67	70	82	72	79	50	39	42	77	71	75
18	70	65	67	77	70	74	42	40	41	78	71	74
19	77	70	72	74	70	71	50	42	44	73	66	69
20	80	74	77	77	70	73	59	50	55	71	62	67
21	87	75	81	82	77	79	61	58	60	72	61	66
22	86	84	85	84	75	79	61	59	60	63	49	57
23	87	79	83	82	75	78	65	59	62	55	49	53
24	87	81	85	84	70	78	68	65	66	48	43	44
25	90	86	87	77	70	74	73	68	70	45	40	43
26	92	89	90	77	70	72	69	67	68	40	34	37
27	92	87	90	79	74	75	68	63	65	45	40	42
28	90	85	87	82	77	80	64	56	60	50	45	49
29	87	77	82	82	75	78	70	57	61	56	50	53
30	81	77	79	76	70	72	62	61	62	62	56	59
31	84	80	82	---	---	---	65	61	62	62	59	61

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	64	59	62	62	58	59	45	42	44	59	58	58
2	65	47	58	62	58	60	47	40	44	67	64	65
3	59	48	54	64	62	63	46	41	43	67	65	66
4	57	48	53	66	61	64	45	42	43	67	65	66
5	61	57	59	66	64	65	46	45	45	63	56	60
6	61	43	48	71	57	62	49	46	47	64	59	60
7	50	45	47	62	50	53	52	47	50	67	64	65
8	50	47	49	51	45	47	50	36	43	67	65	66
9	52	50	51	47	46	46	---	---	---	---	---	---
10	50	38	44	51	47	48	---	---	---	---	---	---
11	49	41	46	54	51	52	---	---	---	64	60	62
12	54	49	53	54	42	46	---	---	---	68	63	65
13	53	50	52	47	37	40	---	---	---	69	64	66
14	54	43	48	53	42	47	---	---	---	71	67	69
15	44	40	42	57	53	55	---	---	---	71	67	69
16	42	39	40	---	---	---	---	---	---	66	64	65
17	43	40	42	49	41	46	---	---	---	66	61	63
18	42	37	41	46	40	44	---	---	---	61	59	60
19	50	37	41	44	39	42	52	50	51	64	60	62
20	51	48	49	42	40	41	54	50	53	68	64	65
21	61	51	57	44	41	43	56	50	53	68	59	63
22	62	53	59	45	42	44	---	---	---	58	53	56
23	57	48	53	45	44	45	---	---	---	54	51	52
24	49	43	47	48	40	44	---	---	---	51	50	51
25	47	40	44	43	37	40	---	---	---	54	51	52
26	49	43	46	44	39	42	44	40	42	59	54	57
27	60	50	55	45	43	44	50	44	47	62	59	60
28	63	60	61	45	41	43	54	49	52	66	62	63
29	---	---	---	44	42	43	58	53	55	63	60	61
30	---	---	---	45	41	43	57	55	56	65	62	63
31	---	---	---	41	35	37	---	---	---	63	57	59
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	59	58	58	79	63	69	94	85	88	102	95	97
2	64	63	63	77	54	67	86	77	81	104	95	99
3	64	61	63	53	48	50	86	81	84	101	90	96
4	68	64	65	50	48	48	86	84	85	101	96	99
5	72	66	69	53	48	50	86	75	78	108	98	102
6	70	64	66	---	---	---	85	77	81	106	100	103
7	65	60	62	---	---	---	89	81	84	107	90	99
8	62	60	61	---	---	---	92	79	83	89	79	84
9	68	61	63	---	---	---	89	79	83	81	73	77
10	67	61	63	---	---	---	85	80	81	77	70	74
11	68	64	66	57	56	57	83	80	81	77	73	75

## SANTEE RIVER BASIN

02156500 BROAD RIVER NEAR CARLISLE, SC--Continued

pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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

## Santee River Basin

69

02156500 BROAD RIVER NEAR CARLISLE, SC--Continued

pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
		JUNE		JULY		AUGUST		SEPTEMBER
1	6.9	6.8	6.8	6.7	6.7	6.6	6.9	6.8
2	6.7	6.7	6.7	6.5	6.8	6.7	6.9	6.8
3	6.8	6.7	6.5	6.5	6.8	6.7	6.9	6.8
4	6.9	6.7	6.6	6.5	6.8	6.7	6.9	6.8
5	6.9	6.8	6.7	6.6	6.7	6.7	6.9	6.8
6	6.9	6.8	---	---	6.8	6.7	6.9	6.8
7	6.8	6.8	---	---	6.9	6.7	7.0	6.8
8	6.9	6.8	---	---	6.8	6.7	7.0	6.8
9	7.3	6.8	---	---	6.7	6.6	6.9	6.8
10	7.3	6.8	---	---	6.8	6.7	7.0	6.7
11	6.9	6.8	6.9	6.9	6.7	6.7	7.0	6.8
12	7.0	6.8	7.0	6.9	6.7	6.6	7.2	6.8
13	6.9	6.8	7.0	6.9	6.8	6.6	6.9	6.8
14	7.0	6.8	7.1	6.8	6.8	6.6	6.9	6.8
15	7.0	6.9	7.3	6.8	6.8	6.7	7.0	6.8
16	7.0	6.9	6.8	6.7	6.9	6.7	7.0	6.9
17	6.9	6.8	6.7	6.7	6.8	6.7	7.0	6.8
18	6.9	6.8	6.9	6.7	6.8	6.7	6.9	6.9
19	6.9	6.8	6.9	6.7	6.8	6.7	7.1	6.9
20	6.8	6.8	6.9	6.7	6.8	6.7	7.0	6.9
21	6.9	6.8	7.0	6.7	7.0	6.7	6.9	6.8
22	6.9	6.8	7.0	6.7	7.1	6.8	7.0	6.9
23	7.0	6.9	7.1	6.7	6.9	6.7	6.9	6.9
24	6.9	6.8	6.9	6.7	8.1	6.7	6.9	6.8
25	6.9	6.3	6.9	6.7	6.8	6.7	6.9	6.8
26	6.9	6.8	6.9	6.8	6.8	6.7	6.9	6.8
27	7.0	6.8	6.9	6.7	6.7	6.7	7.0	6.8
28	6.9	6.8	6.8	6.7	---	---	6.9	6.8
29	6.9	6.8	6.7	6.6	---	---	7.0	6.7
30	6.9	6.8	6.8	6.6	6.9	6.8	7.0	6.8
31	---	---	6.7	6.6	6.9	6.8	---	---
YEAR	8.1	6.3	---	---	---	---	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22.7	20.1	21.6	17.2	15.0	16.1	13.0	12.4	12.7	10.2	9.7	9.8
2	23.2	20.7	22.0	17.7	16.0	16.8	13.8	12.8	13.4	9.7	9.5	9.7
3	23.2	21.1	22.3	18.7	16.5	17.7	14.9	13.4	14.3	10.0	9.6	9.8
4	23.9	22.0	22.9	19.1	18.0	18.8	16.0	14.7	15.5	9.6	8.7	9.2
5	23.9	22.5	23.2	18.1	15.8	17.0	17.1	16.0	16.6	8.7	8.0	8.4
6	24.6	22.4	23.5	15.7	13.9	14.8	16.7	15.6	16.2	9.0	7.9	8.4
7	24.6	22.5	23.6	14.1	12.4	13.4	15.5	13.7	14.9	9.1	7.7	8.4
8	23.7	23.1	23.6	13.7	11.8	12.6	13.8	12.5	13.2	9.2	7.7	8.4
9	24.0	23.0	23.4	13.6	11.0	12.2	12.4	10.9	11.8	8.2	7.9	8.1
10	23.5	22.7	23.0	13.5	11.1	12.3	10.9	9.8	10.2	8.5	8.0	8.3
11	22.7	21.4	21.9	13.6	11.7	12.6	9.8	9.3	9.5	9.4	8.4	8.8
12	21.7	21.0	21.3	15.0	12.7	14.0	10.1	8.8	9.7	9.2	8.0	8.6
13	21.2	21.0	21.1	15.0	13.7	14.2	9.6	8.3	8.9	8.7	7.0	7.8
14	22.2	20.7	21.3	14.0	13.0	13.6	8.0	6.7	7.3	7.9	6.2	7.1
15	21.6	20.1	20.8	13.7	11.7	12.7	8.1	6.7	7.2	7.7	6.4	7.1
16	20.9	18.5	19.9	12.9	10.6	11.6	9.6	8.1	8.9	7.1	5.7	6.4
17	19.7	17.6	18.6	12.0	11.0	11.4	11.1	9.5	10.4	6.5	4.7	5.6
18	18.2	16.7	17.4	11.9	11.1	11.6	10.1	9.2	9.8	5.7	4.0	4.9
19	18.5	16.1	17.5	12.6	11.9	12.3	8.7	7.5	8.1	5.0	3.0	4.0
20	18.7	16.7	17.8	13.2	12.5	12.9	7.5	6.8	7.1	3.6	2.6	3.2
21	19.2	17.4	18.4	14.2	13.0	13.6	6.9	6.0	6.5	2.5	2.0	2.3
22	18.2	17.5	17.8	15.5	13.6	14.4	6.9	5.7	6.4	3.0	2.1	2.7
23	17.4	16.0	16.9	15.5	14.1	14.9	7.1	5.9	6.5	4.5	3.0	4.0
24	16.0	14.6	15.1	16.7	15.0	15.7	8.4	6.5	7.4	6.5	4.1	5.6
25	14.7	14.0	14.4	15.4	13.5	14.5	10.0	8.0	9.0	7.9	6.0	7.0
26	15.2	13.4	14.2	14.4	13.7	14.0	11.2	9.6	10.5	8.7	6.5	7.6
27	15.1	13.0	13.9	14.1	13.5	13.8	12.9	11.0	12.0	7.7	7.3	7.5
28	15.4	12.9	14.0	13.6	13.0	13.2	14.0	12.6	13.4	7.8	6.7	7.4
29	15.5	12.9	14.1	14.0	12.6	13.1	14.2	13.6	14.0	8.0	6.0	7.0
30	16.2	13.1	14.7	13.1	12.0	12.6	13.5	11.7	12.7	8.8	7.0	8.0
31	16.7	14.0	15.4	---	---	---	11.6	10.0	10.9	9.7	7.9	8.8





02156500 BROAD RIVER NEAR CARLISLE, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.4	7.4	7.8	9.1	8.1	8.5	9.9	9.5	9.7	10.4	9.8	10.2
2	8.2	7.2	7.7	8.6	8.1	8.3	9.7	9.2	9.5	10.4	10.1	10.3
3	8.2	7.2	7.6	8.7	7.6	8.0	9.2	8.4	8.8	10.3	9.4	10.0
4	8.1	6.9	7.4	8.7	7.4	7.7	8.6	8.1	8.4	10.5	9.6	10.2
5	7.8	6.9	7.4	9.2	7.5	8.2	8.2	7.8	8.0	11.1	10.5	10.8
6	8.6	7.4	7.9	10.1	8.4	9.0	8.4	8.0	8.3	11.2	10.9	11.1
7	8.7	7.5	8.0	10.8	9.0	9.4	8.9	8.3	8.6	11.2	11.0	11.1
8	7.8	7.3	7.6	10.7	9.5	9.8	9.3	9.0	9.2	11.1	10.9	11.1
9	7.5	7.3	7.5	11.3	9.5	9.9	9.8	9.3	9.6	11.1	11.0	11.1
10	7.4	7.2	7.3	10.3	9.8	10.1	10.2	9.8	10.1	11.1	10.8	11.0
11	7.6	7.3	7.5	12.1	9.6	10.2	10.2	10.0	10.2	10.8	10.2	10.7
12	8.2	7.5	7.8	11.1	9.1	9.8	10.5	9.6	10.0	10.4	10.1	10.3
13	7.8	7.4	7.8	9.4	9.0	9.2	11.1	10.5	10.9	10.5	10.1	10.3
14	7.5	7.4	7.5	10.4	9.0	9.5	11.2	10.8	11.0	10.6	10.1	10.4
15	7.6	7.2	7.5	10.3	9.5	10.0	11.1	10.8	11.0	10.7	10.2	10.6
16	8.4	7.6	8.0	10.1	9.3	9.7	11.0	10.3	10.6	10.8	10.4	10.7
17	8.5	8.2	8.4	9.8	9.4	9.7	10.8	10.5	10.7	11.0	10.4	10.8
18	8.9	8.4	8.8	9.8	9.4	9.6	10.5	10.3	10.5	11.5	11.0	11.2
19	9.0	8.5	8.9	9.7	9.4	9.6	10.8	10.6	10.7	12.0	11.4	11.7
20	8.6	8.1	8.4	9.6	9.2	9.4	11.0	10.8	10.9	12.4	11.9	12.2
21	8.4	7.9	8.3	9.5	8.9	9.2	11.1	10.8	11.0	12.7	12.3	12.5
22	8.4	7.9	8.2	9.2	8.8	9.1	11.2	10.8	10.9	12.6	12.0	12.4
23	8.4	7.8	8.1	9.0	8.7	8.9	11.0	10.8	10.9	12.5	10.9	11.7
24	8.6	8.0	8.3	8.9	8.3	8.6	10.9	10.6	10.8	13.1	12.2	12.7
25	8.7	8.3	8.6	9.2	8.5	8.9	10.7	10.3	10.5	12.3	11.9	12.2
26	9.0	8.6	8.8	9.3	8.8	9.2	10.3	9.7	10.0	12.3	11.4	12.0
27	9.9	8.4	8.9	9.6	9.2	9.5	9.6	9.3	9.4	11.3	10.8	11.1
28	9.7	8.4	8.8	9.8	9.4	9.7	9.2	8.9	9.1	11.2	10.7	11.0
29	9.7	8.4	8.9	10.0	9.6	9.9	9.0	8.8	8.9	11.3	10.8	11.1
30	9.8	8.4	8.9	10.2	9.6	10.0	9.1	8.9	9.1	10.8	10.5	10.7
31	9.1	8.3	8.6	---	---	---	9.8	9.1	9.6	10.6	10.4	10.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.4	9.8	10.2	12.5	11.7	12.2	10.0	9.7	9.9	---	---	---
2	9.9	8.6	9.2	12.1	11.6	11.9	9.9	9.1	9.5	8.4	8.0	8.3
3	11.8	8.6	9.4	11.8	11.0	11.4	10.0	9.2	9.6	8.1	7.7	8.0
4	10.8	8.6	10.1	11.4	10.2	10.8	10.2	9.8	10.0	8.0	7.7	7.9
5	11.0	10.4	10.8	10.3	9.9	10.2	10.1	9.8	10.0	8.2	7.9	8.1
6	11.2	10.7	11.1	10.1	9.0	9.6	9.9	9.6	9.8	8.6	8.2	8.4
7	11.6	10.9	11.4	9.8	8.9	9.3	9.6	9.3	9.4	8.4	8.1	8.3
8	11.4	10.8	11.2	10.1	8.0	8.9	9.3	8.9	9.1	8.4	8.1	8.3
9	11.4	11.2	11.3	8.5	8.1	8.4	---	---	---	---	---	---
10	11.6	11.2	11.5	8.7	8.3	8.6	---	---	---	---	---	---
11	11.5	11.3	11.5	8.9	8.3	8.6	---	---	---	8.2	7.6	7.9
12	11.8	11.4	11.7	9.6	8.7	9.5	---	---	---	7.7	7.2	7.5
13	11.7	11.5	11.7	10.7	9.6	10.1	---	---	---	7.4	7.1	7.2
14	11.7	11.4	11.7	10.5	9.6	10.1	---	---	---	7.4	7.1	7.3
15	13.0	11.6	12.3	10.4	9.8	10.0	---	---	---	7.4	7.0	7.2
16	13.1	8.4	11.4	---	---	---	---	---	---	7.4	7.1	7.3
17	11.8	7.9	9.8	10.5	9.4	9.8	---	---	---	7.7	7.1	7.4
18	12.6	11.6	12.2	10.3	9.4	9.6	---	---	---	7.7	7.2	7.6
19	12.3	11.2	11.9	10.1	9.7	9.9	10.3	9.7	10.1	7.3	6.9	7.2
20	12.2	11.4	11.9	9.4	9.0	9.2	10.0	9.5	9.8	7.0	6.8	7.0
21	11.1	9.9	10.9	9.5	9.0	9.2	9.6	9.3	9.4	7.1	6.8	7.0
22	11.5	10.7	11.1	9.8	9.4	9.6	---	---	---	7.8	7.2	7.5
23	10.9	10.6	10.8	10.3	9.9	10.1	---	---	---	7.8	7.5	7.8
24	11.0	10.6	10.9	10.8	9.8	10.5	---	---	---	7.7	7.1	7.4
25	11.4	10.8	11.3	11.0	10.6	10.7	---	---	---	7.3	7.2	7.3
26	11.5	10.9	11.3	11.0	10.6	10.8	9.0	8.4	8.7	7.3	7.2	7.3
27	11.4	11.1	11.3	10.5	10.1	10.2	9.0	8.3	8.7	7.3	7.2	7.3
28	11.5	11.2	11.4	10.8	9.8	10.5	8.5	8.0	8.2	7.4	7.2	7.3
29	---	---	---	9.6	8.5	8.9	8.2	7.8	8.0	7.4	7.2	7.4
30	---	---	---	9.3	8.8	9.0	8.1	7.7	7.9	7.3	7.0	7.2
31	---	---	---	9.9	9.2	9.5	---	---	---	7.2	6.9	7.1



SANTEE RIVER BASIN

73

02157000 NORTH TYGER RIVER NEAR FAIRMONT, SC

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

DRAINAGE AREA.--44.4 mi<sup>2</sup>.

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

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

REMARKS.--Records good, except those below 30 ft<sup>3</sup>/s, which are fair.

AVERAGE DISCHARGE.--33 years, 65.9 ft<sup>3</sup>/s, 20.16 in/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 562 ft<sup>3</sup>/s Mar. 27, gage height, 3.51 ft, no peaks above base of 700 ft<sup>3</sup>/s; minimum daily, 13 ft<sup>3</sup>/s Aug. 21, 30, 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	29	116	47	56	73	103	73	52	74	30	14
2	21	29	95	61	167	65	144	71	51	48	33	19
3	18	32	75	68	111	60	132	72	49	41	29	24
4	17	48	69	56	85	58	105	82	51	39	27	26
5	16	41	76	52	73	57	98	70	49	53	25	23
6	15	34	100	49	119	133	109	65	47	66	23	26
7	21	32	74	48	129	102	98	64	50	44	23	23
8	33	31	64	46	100	102	126	67	54	38	22	20
9	32	30	57	45	84	89	192	69	47	36	21	19
10	29	29	53	43	85	78	380	60	45	34	19	18
11	33	29	67	43	120	73	172	57	43	33	18	17
12	32	32	281	42	91	67	133	58	41	32	17	16
13	55	49	118	41	79	64	115	58	40	31	16	19
14	55	36	89	41	160	60	105	65	38	29	15	22
15	38	34	78	40	131	58	124	57	38	28	17	24
16	33	32	211	39	99	57	103	104	38	27	16	21
17	31	32	117	39	86	213	92	76	39	26	16	20
18	29	34	92	38	77	377	98	63	38	26	15	20
19	29	42	80	37	71	177	93	74	42	25	15	19
20	29	38	72	37	67	130	84	256	40	25	14	19
21	30	36	66	43	64	138	80	189	38	24	13	26
22	29	35	60	116	76	106	77	120	40	22	19	22
23	29	36	57	138	203	92	121	99	44	22	17	18
24	27	36	55	126	115	97	165	83	40	21	14	18
25	34	36	53	110	94	107	113	74	36	28	16	17
26	35	36	52	90	82	105	97	68	35	38	17	17
27	31	37	50	80	74	367	89	63	34	29	16	16
28	30	42	52	74	71	237	83	59	45	26	15	16
29	29	98	55	67	---	147	79	57	40	24	14	15
30	29	70	49	63	---	120	75	55	41	24	13	15
31	29	---	48	59	---	118	---	52	---	22	13	---
TOTAL	923	1155	2581	1878	2769	3727	3585	2480	1285	1035	578	589
MEAN	29.8	38.5	83.3	60.6	98.9	120	120	80.0	42.8	33.4	18.6	19.6
MAX	55	98	281	138	203	377	380	256	54	74	33	26
MIN	15	29	48	37	56	57	75	52	34	21	13	14
CFSM	.67	.87	1.88	1.37	2.23	2.70	2.70	1.80	.96	.75	.42	.44
IN.	.77	.97	2.16	1.57	2.32	3.12	3.00	2.08	1.08	.87	.48	.49
CAL YR 1982	TOTAL	23301	MEAN 63.8	MAX 1000	MIN 13	CFSM 1.44	IN 19.52					
WTR YR 1983	TOTAL	22585	MEAN 61.9	MAX 380	MIN 13	CFSM 1.39	IN 18.92					



## Santee River Basin

02160105 TYGER RIVER NEAR DELTA, SC

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 downstream from Seaboard Coast Line Railroad, 0.8 mi southeast of Delta, and at mile 9.0.

DRAINAGE AREA.--759 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--10 years, 1,131 ft<sup>3</sup>/s, 20.24 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,300 ft<sup>3</sup>/s Oct. 11, 1976, gage height, 26.31 ft (from floodmarks); minimum daily, 120 ft<sup>3</sup>/s Oct. 9, 10, 1981.

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Mar. 18	2400	*7,540	*14.69

Minimum discharge, 199 ft<sup>3</sup>/s, Aug. 23, 24, and 25, gage height, 3.43 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	269	320	1090	806	985	1110	1860	984	713	770	275	333
2	254	316	1190	1610	1970	1080	1710	951	706	776	303	340
3	248	321	1130	2500	3780	1000	1950	930	698	657	438	395
4	235	423	941	1720	2700	937	1940	1020	670	534	382	427
5	221	528	836	1240	1790	904	1530	1030	649	728	336	422
6	216	561	1050	1020	1840	1780	1330	934	661	2180	309	382
7	214	519	1180	926	2560	3450	1320	880	671	1050	290	340
8	232	469	960	857	2270	2600	1600	870	752	739	288	331
9	306	439	806	806	1770	1780	2480	982	737	586	307	308
10	350	413	727	802	1430	1580	3850	1000	649	520	285	282
11	328	400	730	769	1820	1380	4590	871	592	487	263	336
12	324	389	2630	765	1990	1220	3600	815	565	440	386	353
13	383	459	3960	725	1590	1100	2430	794	561	420	379	316
14	470	551	3010	676	3070	1030	1670	892	535	404	277	296
15	700	553	1530	649	5820	965	1530	893	513	382	252	312
16	560	488	1560	627	4790	905	1710	839	495	364	244	322
17	450	457	2280	609	2190	2390	1560	977	490	347	236	279
18	400	434	2100	575	1560	6760	1310	1120	519	342	235	256
19	350	431	1560	558	1320	6990	1230	961	513	348	230	245
20	340	467	1200	548	1180	4390	1210	1020	632	328	219	234
21	320	504	1030	591	1080	2610	1120	1910	591	321	215	236
22	330	476	911	2190	1030	1970	1060	2360	520	299	207	279
23	320	464	836	3500	2140	1740	1040	2250	508	290	204	277
24	340	447	785	4050	2780	1620	1330	1650	518	288	199	276
25	370	425	745	3180	2170	1850	2180	1230	496	272	225	275
26	390	410	714	2240	1540	2220	1830	1040	467	275	323	258
27	390	402	687	1690	1250	2480	1430	954	446	391	324	248
28	370	402	670	1610	1120	5300	1240	892	433	391	304	237
29	350	490	760	1470	---	4940	1100	826	459	336	273	231
30	340	762	820	1210	---	2800	1020	788	519	309	251	223
31	330	---	850	1080	---	2000	---	753	---	289	235	---
TOTAL	10700	13720	39278	41599	59535	72881	53760	33416	17278	15863	8694	9049
MEAN	345	457	1267	1342	2126	2351	1792	1078	576	512	280	302
MAX	700	762	3960	4050	5820	6990	4590	2360	752	2180	438	427
MIN	214	316	670	548	985	904	1020	753	433	272	199	223
CFSM	.46	.60	1.67	1.77	2.80	3.10	2.36	1.42	.76	.68	.37	.40
IN.	.52	.67	1.93	2.04	2.92	3.57	2.63	1.64	.85	.78	.43	.44
CAL YR 1982	TOTAL	360010	MEAN	986	MAX	12000	MIN	214	CFSM	1.30	IN	17.64
WTR YR 1983	TOTAL	375773	MEAN	1030	MAX	6990	MIN	199	CFSM	1.36	IN	18.42

WATER-QUALITY RECORDS

DISSOLVED OXYGEN: October 1973 to current year.

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

DISSOLVED OXYGEN: Maximum, 12.0 mg/L Jan. 20, 21; minimum, 5.3 mg/L Oct. 9.

[illegible]



02160105 TYGER RIVER NEAR DELTA, SC--Continued

pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

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



## SANTÉE RIVER BASIN

02160105 TYGER RIVER NEAR DELTA, SC--Continued

pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
JUNE			JULY		AUGUST		SEPTEMBER	
1	6.9	6.8	6.9	6.8	7.1	7.0	7.2	7.0
2	6.9	6.9	6.8	6.8	---	---	7.2	7.1
3	7.0	6.9	6.9	6.8	---	---	7.1	7.1
4	7.0	6.9	6.9	6.8	---	---	7.1	7.1
5	7.0	6.9	6.9	6.2	---	---	7.1	7.1
6	7.0	6.9	6.4	6.2	---	---	7.1	7.1
7	6.9	6.9	6.7	6.4	---	---	7.1	7.1
8	6.9	6.9	6.8	6.7	---	---	7.1	7.0
9	7.0	6.9	6.8	6.8	---	---	---	---
10	7.0	6.9	6.9	6.8	---	---	---	---
11	7.0	7.0	6.9	6.8	---	---	---	---
12	7.0	7.0	7.0	6.9	---	---	---	---
13	7.0	7.0	7.0	6.9	---	---	---	---
14	7.0	6.8	7.0	6.9	---	---	---	---
15	7.0	7.0	7.0	7.0	---	---	7.2	7.1
16	7.0	7.0	7.1	7.0	---	---	7.2	7.2
17	7.0	7.0	7.1	7.0	---	---	7.2	7.2
18	7.0	7.0	7.1	7.0	---	---	7.2	7.2
19	7.0	7.0	7.1	7.0	---	---	7.2	7.2
20	7.0	6.9	7.0	7.0	---	---	7.2	7.2
21	6.9	6.9	7.0	7.0	---	---	7.2	7.1
22	7.0	6.9	7.1	7.0	---	---	7.2	7.1
23	7.0	6.9	7.1	7.0	---	---	7.3	7.2
24	7.0	6.9	7.1	7.0	---	---	7.2	7.2
25	7.0	7.0	7.1	7.0	7.2	7.2	7.2	7.2
26	7.0	6.9	7.1	7.1	7.2	7.1	7.2	7.2
27	7.0	6.9	7.1	7.0	7.2	7.1	7.2	7.2
28	7.0	6.9	7.0	7.0	7.2	7.1	7.2	7.1
29	7.0	6.9	7.1	7.0	7.2	7.2	7.2	7.1
30	6.9	6.9	7.1	7.0	7.2	7.2	7.2	7.1
31	---	---	7.1	7.0	7.2	7.2	---	---
YEAR	7.3	6.1						

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	21.8	19.0	20.4	16.2	14.0	15.0	12.4	11.5	12.0	---	---	---
2	21.6	19.5	20.6	17.4	15.1	16.2	13.8	12.1	13.2	---	---	---
3	21.8	20.0	20.7	17.8	16.1	17.0	15.6	13.8	14.8	---	---	---
4	21.8	20.0	21.1	18.0	16.7	17.6	16.7	15.0	16.0	---	---	---
5	21.8	20.0	20.7	16.5	12.4	14.4	17.2	16.2	16.8	7.5	7.1	7.3
6	21.8	20.0	20.8	12.4	10.5	11.4	16.7	14.4	15.5	7.8	6.7	7.3
7	21.6	20.0	20.5	11.0	8.9	9.9	14.3	12.1	13.4	8.2	6.3	7.3
8	21.8	21.0	21.5	10.8	8.3	9.6	12.4	10.4	11.5	8.1	6.7	7.5
9	21.6	20.0	20.9	11.3	8.6	10.0	11.3	10.0	10.6	7.3	6.7	7.1
10	21.8	20.0	20.8	12.2	9.6	10.9	10.1	9.0	9.5	8.2	7.2	7.6
11	21.3	19.0	20.1	12.4	10.3	11.5	9.8	9.1	9.5	8.9	7.4	8.4
12	19.3	16.5	18.4	15.0	12.1	13.7	10.5	9.5	10.1	8.2	7.0	7.7
13	20.1	19.1	19.6	14.8	12.3	13.9	9.3	7.0	8.1	6.8	5.3	5.9
14	21.2	19.5	20.1	12.0	10.2	10.8	6.9	5.4	6.2	5.8	4.1	5.1
15	---	---	---	10.8	9.4	10.1	8.4	6.0	6.8	6.4	5.1	5.7
16	---	---	---	9.4	7.4	8.7	10.5	8.5	9.7	5.6	4.3	4.9
17	---	---	---	10.1	8.6	9.4	9.8	8.7	9.3	4.8	3.2	4.1
18	---	---	---	11.2	10.0	10.6	8.5	6.8	7.4	4.0	2.4	3.4
19	---	---	---	12.4	11.3	11.8	6.7	5.4	6.1	2.8	1.5	2.3
20	---	---	---	13.1	12.1	12.6	6.5	5.4	6.1	2.1	1.6	1.8
21	---	---	---	14.6	13.1	13.7	6.7	5.4	6.1	2.1	1.5	1.7
22	---	---	---	15.1	13.4	14.3	6.3	5.2	5.7	---	---	---
23	---	---	---	15.4	13.6	14.5	6.4	4.9	5.7	---	---	---
24	---	---	---	16.1	14.3	15.2	8.2	5.4	7.1	---	---	---
25	---	---	---	14.0	11.8	12.4	10.6	8.0	9.4	---	---	---
26	---	---	---	11.8	11.4	11.6	12.2	10.5	11.3	---	---	---
27	---	---	---	12.8	11.8	12.3	13.3	11.6	12.5	---	---	---
28	12.7	12.1	12.3	12.4	11.4	11.9	14.4	13.0	13.8	7.6	5.0	6.7
29	13.5	10.7	12.0	13.1	11.0	11.9	14.5	14.0	14.2	7.2	3.9	4.8
30	13.8	10.4	12.3	11.7	10.4	11.3	---	---	---	9.3	3.0	7.6
31	14.8	11.9	13.3	---	---	---	---	---	---	9.3	3.3	6.6

## 79

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	12.3	8.5	10.4	10.2	7.4	9.0	13.1	10.3	11.7	21.3	19.1	20.3
2	14.7	12.1	13.7	11.4	8.8	10.2	13.8	12.0	12.9	22.2	20.2	21.2
3	13.5	9.9	11.7	12.3	9.6	11.1	13.3	11.8	12.4	22.1	20.6	21.3
4	9.7	8.0	9.1	13.4	10.6	12.1	13.8	10.4	12.2	21.0	19.3	20.2
5	7.9	6.3	7.3	14.6	12.0	13.4	13.8	12.2	13.1	20.0	18.0	19.1
6	6.6	5.7	6.2	16.3	14.4	15.4	16.1	13.2	14.6	20.1	17.3	18.8
7	7.3	5.9	6.6	16.0	15.4	15.7	17.3	15.4	16.6	20.4	17.3	19.1
8	7.4	6.0	6.9	17.0	15.4	16.1	17.0	16.1	16.6	19.9	18.6	19.3
9	7.0	5.3	6.6	16.1	14.4	15.2	16.7	15.9	16.3	20.6	18.5	19.6
10	7.8	6.8	7.2	14.6	12.0	13.2	17.0	15.3	16.2	20.4	17.8	19.3
11	8.2	7.1	7.6	11.8	10.4	11.3	16.6	15.1	15.8	20.8	18.3	19.6
12	8.0	6.6	7.4	11.9	9.4	10.9	16.4	14.3	15.3	22.1	19.1	20.7
13	7.6	6.4	7.1	12.2	9.7	11.1	17.2	14.6	15.9	21.0	20.1	20.5
14	8.8	6.2	7.4	12.3	10.2	11.3	17.0	16.1	16.7	22.2	19.5	20.9
15	8.7	7.2	7.9	13.9	10.4	12.4	17.6	16.6	17.1	22.6	20.9	21.8
16	8.0	5.0	6.8	14.0	13.0	13.6	16.8	15.4	16.0	22.9	20.7	21.9
17	9.9	7.4	8.8	13.3	11.0	11.8	15.6	13.5	14.7	21.9	20.2	21.2
18	9.6	7.3	8.9	11.6	11.0	11.3	14.6	11.9	13.3	19.9	18.7	19.4
19	9.8	7.9	8.9	13.5	11.5	12.2	12.2	10.6	11.5	19.1	18.6	18.8
20	9.9	7.8	9.1	---	---	---	12.6	9.9	11.3	20.3	18.5	19.6
21	10.0	7.8	9.1	14.1	12.4	13.7	13.5	10.0	12.1	20.8	19.8	20.4
22	10.8	8.8	9.9	12.8	11.2	12.1	13.6	11.6	12.8	21.9	20.7	21.4
23	12.0	9.8	11.1	11.8	10.2	10.9	13.7	12.9	13.4	22.7	21.5	22.1
24	11.2	10.1	10.8	10.3	7.4	9.1	13.7	13.2	13.5	22.0	21.2	21.7
25	11.1	9.9	10.8	9.8	9.1	9.5	14.9	12.1	13.5	21.7	20.4	21.1
26	9.7	8.3	9.0	10.2	7.4	8.9	16.5	13.2	14.8	21.9	19.9	21.0
27	8.3	6.9	7.8	11.7	9.6	10.6	17.7	14.9	16.4	21.3	19.7	20.5
28	7.9	6.9	7.6	12.3	10.4	11.4	18.9	16.0	17.6	21.0	18.8	20.1
29	---	---	---	12.8	10.4	11.7	20.0	17.3	18.8	21.3	19.5	20.4
30	---	---	---	12.2	11.0	11.7	20.4	18.2	19.5	22.6	19.8	21.3
31	---	---	---	11.8	11.1	11.4	---	---	---	23.0	20.7	21.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	21.0	20.5	20.8	26.4	24.7	25.6	27.4	26.0	26.6	25.6	24.6	25.1
2	21.5	19.1	20.4	27.1	25.0	26.2	---	---	---	24.8	23.9	24.3
3	21.7	19.6	20.8	28.4	25.7	27.1	---	---	---	24.9	23.6	24.2
4	23.4	21.0	22.2	28.7	26.3	27.4	---	---	---	25.9	23.6	24.8
5	24.4	21.7	23.1	28.1	24.3	26.6	---	---	---	27.2	24.4	25.8
6	23.9	22.6	23.2	24.6	23.8	24.2	---	---	---	28.1	25.3	26.7
7	22.9	21.4	22.2	25.5	23.8	24.7	---	---	---	28.2	25.3	26.7
8	22.6	20.8	21.7	25.4	23.4	24.4	---	---	---	28.2	25.4	26.8
9	22.8	21.0	22.0	25.5	22.7	24.2	---	---	---	---	---	---
10	23.1	20.7	22.0	26.3	23.4	25.0	---	---	---	---	---	---
11	23.2	20.4	21.9	27.3	24.4	25.8	---	---	---	---	---	---
12	24.0	20.6	22.1	28.2	25.4	26.8	---	---	---	---	---	---
13	23.7	20.7	22.3	28.7	25.7	27.2	---	---	---	---	---	---
14	22.8	20.8	22.0	29.2	26.2	27.7	---	---	---	---	---	---
15	24.5	21.3	23.0	29.6	26.8	28.2	---	---	---	24.3	22.8	23.6
16	25.6	22.6	24.2	29.9	26.8	28.4	---	---	---	24.2	21.7	22.9
17	25.8	23.4	24.5	29.6	27.1	28.4	---	---	---	24.6	21.1	22.9
18	25.6	23.0	24.4	29.3	26.9	28.0	---	---	---	25.3	22.0	23.7
19	26.3	23.9	25.1	29.8	26.5	28.1	---	---	---	25.8	22.5	24.1
20	25.2	24.0	24.7	29.9	26.7	28.4	---	---	---	25.2	23.4	24.3
21	26.3	23.6	25.0	30.1	27.0	28.6	---	---	---	25.0	23.0	24.2
22	25.9	24.8	25.4	31.0	27.6	29.3	---	---	---	22.7	19.0	21.1
23	26.5	23.9	24.9	31.2	28.1	29.6	32.0	28.9	30.4	20.1	16.9	18.5
24	26.0	23.2	24.7	30.7	27.6	29.2	30.4	27.5	28.8	19.8	16.8	18.2
25	26.7	23.4	25.2	30.0	27.8	28.6	27.5	25.4	26.4	19.0	15.8	17.4
26	27.2	24.5	26.0	29.1	26.5	27.7	27.6	24.7	26.1	18.3	15.7	17.0
27	27.5	25.3	26.4	27.8	25.6	26.6	28.5	25.3	26.9	19.0	15.0	17.0
28	27.4	25.5	26.4	27.6	24.6	26.1	28.7	26.0	27.3	19.9	16.0	18.1
29	27.3	25.4	26.2	27.7	25.0	26.4	29.1	25.6	27.3	19.7	17.8	18.7
30	27.3	25.6	26.4	27.3	24.3	25.9	28.5	25.3	26.8	19.3	17.0	18.2
31	---	---	---	28.2	25.4	26.8	27.2	25.0	26.1	---	---	---
YEAR	32.0	1.5	16.9									

## SANTEE RIVER BASIN

02160105 TYGER RIVER NEAR DELTA, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.7	6.0	6.3	7.5	7.3	7.4	10.0	9.2	9.7	---	---	---
2	6.8	6.3	6.7	7.4	7.1	7.4	9.3	8.9	9.2	---	---	---
3	7.2	6.6	6.9	7.3	7.0	7.2	8.9	8.0	8.4	---	---	---
4	7.3	6.9	7.2	7.2	6.6	6.9	8.3	8.0	8.2	---	---	---
5	7.7	6.3	7.1	8.1	6.8	7.5	8.3	8.1	8.2	11.4	10.6	10.9
6	6.7	6.2	6.5	8.7	8.1	8.6	9.2	8.2	8.5	10.5	9.8	10.2
7	6.9	6.3	6.7	9.7	8.7	9.3	9.3	8.8	9.1	10.1	9.7	10.0
8	6.9	6.3	6.7	10.2	9.7	10.1	9.8	9.4	9.7	10.0	9.7	9.9
9	5.7	5.3	5.5	10.2	9.5	9.9	10.0	9.8	9.9	10.2	9.9	10.1
10	5.9	5.4	5.8	9.8	9.3	9.7	10.5	9.9	10.3	10.3	10.1	10.2
11	6.2	5.6	5.9	9.8	9.1	9.5	10.5	10.2	10.5	11.0	10.3	10.7
12	6.3	5.8	6.1	9.2	8.4	8.9	10.1	9.9	10.1	10.8	10.4	10.7
13	6.4	6.0	6.3	8.8	8.4	8.6	10.7	10.0	10.3	11.3	10.7	11.1
14	6.5	6.0	6.3	10.2	9.4	9.9	11.3	10.6	11.1	11.5	11.0	11.3
15	---	---	---	10.4	9.8	10.2	11.4	10.8	11.2	11.2	11.0	11.2
16	---	---	---	10.2	9.8	10.1	10.8	9.8	10.3	11.4	11.1	11.4
17	---	---	---	10.0	9.5	9.9	10.0	9.5	9.9	11.9	11.3	11.7
18	---	---	---	9.7	9.3	9.5	10.3	9.5	9.9	11.4	11.2	11.4
19	---	---	---	9.5	9.0	9.3	10.7	10.0	10.5	11.9	11.3	11.7
20	---	---	---	9.0	8.8	9.0	11.4	10.5	10.9	12.0	11.7	11.9
21	---	---	---	8.8	8.7	8.8	11.6	10.8	11.2	12.0	11.8	12.0
22	---	---	---	8.7	8.6	8.7	11.9	11.0	11.7	---	---	---
23	---	---	---	8.9	8.6	8.8	11.7	11.2	11.5	---	---	---
24	---	---	---	8.7	8.4	8.6	11.8	10.8	11.4	---	---	---
25	---	---	---	9.8	8.7	9.4	10.8	10.0	10.5	---	---	---
26	---	---	---	9.9	9.6	9.8	10.1	9.6	9.9	---	---	---
27	---	---	---	9.8	9.6	9.7	9.7	9.5	9.7	---	---	---
28	8.9	8.8	8.9	9.9	9.6	9.8	9.6	9.0	9.4	10.1	7.2	8.2
29	8.7	8.0	8.5	10.0	9.6	9.9	9.0	8.8	8.9	9.2	8.1	8.6
30	8.3	7.8	8.1	10.0	9.7	9.9	---	---	---	9.8	8.8	9.3
31	8.0	7.4	7.8	---	---	---	---	---	---	10.6	9.6	10.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.0	8.7	9.6	11.1	9.6	10.4	9.5	9.1	9.3	8.7	8.3	8.6
2	9.3	7.9	8.5	9.7	9.1	9.5	9.3	8.7	9.1	8.5	8.1	8.2
3	9.1	8.0	8.5	9.2	8.6	9.0	9.7	8.8	9.3	8.3	7.2	7.7
4	10.1	9.2	9.8	8.7	8.1	8.5	9.8	9.2	9.6	7.2	6.8	7.0
5	10.9	10.2	10.7	8.1	7.4	7.9	9.6	9.4	9.6	7.1	6.5	6.8
6	11.6	10.3	11.3	7.4	6.1	6.9	9.6	8.9	9.2	6.7	6.2	6.5
7	11.7	11.2	11.6	6.8	6.0	6.3	8.9	8.0	8.6	8.8	5.9	6.6
8	11.3	11.1	11.2	8.6	6.7	7.8	8.1	7.8	8.0	9.1	7.5	8.2
9	11.3	11.0	11.3	9.1	8.7	8.9	7.9	7.6	7.8	7.6	7.1	7.3
10	11.3	10.8	11.1	9.7	9.1	9.4	8.1	7.4	7.7	7.6	7.2	7.5
11	10.8	10.6	10.8	10.2	9.7	10.0	8.5	7.9	8.3	8.7	7.6	8.0
12	10.8	10.4	10.7	10.4	9.9	10.3	9.0	8.3	8.7	8.8	8.0	8.6
13	10.9	10.5	10.7	10.4	9.9	10.2	8.8	8.4	8.7	8.0	7.8	8.0
14	10.9	9.9	10.4	10.3	9.9	10.1	8.3	7.9	8.1	7.9	7.6	7.8
15	11.1	9.9	10.7	10.2	9.3	9.9	8.0	7.6	7.9	7.8	7.3	7.6
16	12.0	10.9	11.5	9.4	9.1	9.3	8.1	7.7	7.9	7.6	7.2	7.5
17	11.5	10.4	11.0	9.8	9.3	9.6	8.7	8.0	8.4	7.6	7.2	7.5
18	10.6	10.3	10.5	9.4	8.7	9.1	9.1	8.4	8.7	7.5	7.2	7.4
19	10.4	9.8	10.2	8.9	8.5	8.7	10.2	9.1	9.9	7.5	7.4	7.5
20	10.6	9.6	10.1	---	---	---	10.1	9.6	9.9	7.5	7.0	7.3
21	10.6	10.1	10.4	9.5	9.0	9.3	10.1	9.7	10.0	7.0	6.6	6.8
22	10.2	9.8	10.1	10.0	9.5	9.9	9.7	9.3	9.6	7.1	6.6	6.8
23	10.0	9.1	9.5	10.8	9.8	10.3	9.3	9.0	9.2	7.5	6.7	7.1
24	9.4	8.8	9.2	10.5	10.1	10.3	8.9	8.4	8.7	7.2	6.8	7.0
25	10.0	8.5	9.3	11.3	10.9	11.0	8.5	8.2	8.4	7.5	6.6	7.1
26	10.6	9.8	10.3	11.1	10.7	10.9	9.0	8.2	8.6	7.5	6.9	7.2
27	11.2	10.4	10.9	10.9	9.8	10.5	9.1	8.5	8.8	7.4	7.0	7.3
28	11.4	10.9	11.1	9.8	9.1	9.6	8.7	8.3	8.6	7.6	7.1	7.4
29	---	---	---	9.6	9.0	9.4	8.5	8.3	8.4	7.3	7.1	7.3
30	---	---	---	9.7	9.4	9.6	8.7	8.3	8.5	7.3	7.0	7.2
31	---	---	---	9.4	8.9	9.3	---	---	---	7.4	7.0	7.2





## SANTEE RIVER BASIN

02160700 ENOREE RIVER AT WHITMIRE, SC

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 downstream from Seaboard Coast Line Railroad, 0.5 mi northeast of Whitmire, and at mile 19.2.

DRAINAGE AREA.--444 mi<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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--10 years, 600 ft<sup>3</sup>/s, 18.35 in/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 3,710 ft<sup>3</sup>/s Mar. 28, gage height, 23.36 ft, no peaks above base 4,000 ft<sup>3</sup>/s; minimum 130 ft<sup>3</sup>/s, Oct. 6, gage height 14.55 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	199	645	439	561	676	1120	614	444	570	193	163
2	162	199	686	946	1390	670	1030	593	444	469	218	177
3	159	199	635	1820	1960	612	1210	573	437	358	292	199
4	152	246	491	1180	1500	575	1100	621	428	327	243	293
5	157	292	424	787	1050	552	900	642	413	327	217	396
6	147	345	507	645	1100	1310	826	573	405	398	201	301
7	148	292	609	573	1500	2020	844	541	411	314	188	255
8	169	246	475	520	1300	1250	1050	525	470	285	200	259
9	197	230	414	485	1000	1090	1820	553	457	281	228	217
10	246	224	353	470	850	907	2650	537	415	254	194	201
11	224	223	353	448	1050	762	2950	500	385	258	185	184
12	218	221	1740	435	1200	689	2040	482	368	251	212	181
13	269	260	2300	416	950	631	1190	476	362	274	276	168
14	305	329	1250	395	1500	593	991	549	346	259	205	185
15	534	331	1000	388	3000	571	932	715	339	251	175	189
16	353	267	856	385	2500	554	1070	565	338	248	173	198
17	268	241	1470	369	1090	1550	888	784	338	246	173	180
18	227	242	1010	363	871	3160	800	717	388	241	172	166
19	217	231	674	351	757	2560	786	550	394	236	168	152
20	212	245	585	346	684	1280	796	588	445	229	164	153
21	198	287	519	367	635	1190	715	1450	405	228	154	157
22	201	263	470	1340	616	1110	679	1500	372	220	151	179
23	200	249	439	1990	1310	945	660	1000	355	228	143	208
24	196	245	422	2440	1840	860	982	770	344	218	136	210
25	200	237	407	1700	1350	1080	1570	639	324	203	148	177
26	213	234	411	1130	896	1360	1040	566	316	215	160	167
27	232	223	383	865	755	1730	836	525	296	250	219	155
28	231	219	384	890	679	3450	746	492	290	263	212	153
29	201	243	426	777	---	3180	689	483	366	227	171	146
30	200	453	474	661	---	1440	642	471	385	206	168	143
31	199	---	470	605	---	1170	---	461	---	193	150	---
TOTAL	6809	7715	21282	24526	33894	39527	33552	20055	11480	8527	5889	5912
MEAN	220	257	687	791	1211	1275	1118	647	383	275	190	197
MAX	534	453	2300	2440	3000	3450	2950	1500	470	570	292	396
MIN	147	199	353	346	561	552	642	461	290	193	136	143
CAL YR 1982 TOTAL	203135		MEAN 557	MAX 4710	MIN 147							
WTR YR 1983 TOTAL	219168		MEAN 600	MAX 3450	MIN 136							

02160700 ENOREE RIVER AT WHITMIRE, SC--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, 105 micromhos Oct. 23; minimum, 31 micromhos Jan. 22.

pH: Maximum, 7.2 units several days in November, December, January; minimum, 6.4 units Sept. 11.

WATER TEMPERATURE: Maximum, 30.2°C July 23; minimum, 1.4°C Jan. 21.

DISSOLVED OXYGEN: Maximum, 13.2 mg/L Jan. 21; minimum, 4.1 mg/L Sept. 11, 12, 13.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	62	58	60	67	63	65	62	54	58	57	54	55
2	65	60	62	68	65	67	61	57	58	54	42	48
3	65	62	63	67	65	66	57	54	55	44	40	41
4	66	64	65	69	65	66	77	58	61	49	41	43
5	69	65	67	94	63	70	64	62	62	51	49	50
6	69	64	67	78	65	68	62	56	60	53	51	52
7	67	64	66	66	60	63	58	54	56	56	52	54
8	67	61	64	63	55	57	58	53	55	58	55	56
9	69	65	67	63	57	59	60	56	57	58	55	56
10	69	67	68	67	57	62	60	55	57	60	56	58
11	68	63	65	91	60	63	61	50	58	63	56	58
12	63	59	61	68	64	66	45	38	42	62	56	59
13	60	57	58	65	62	64	37	35	35	59	50	56
14	59	55	57	64	58	60	39	36	38	52	49	50
15	56	45	51	61	56	58	43	39	40	58	51	52
16	46	44	45	59	54	55	46	43	45	53	51	52
17	48	43	45	59	55	57	43	39	40	54	51	52
18	53	47	50	63	58	60	40	38	39	52	50	51
19	61	50	54	63	61	62	42	40	41	50	48	49
20	62	59	60	63	62	62	47	43	44	49	47	48
21	93	60	69	65	62	63	47	45	45	50	43	46
22	102	93	95	65	64	64	48	41	43	43	31	35
23	105	81	97	65	63	64	48	41	44	36	32	33
24	75	63	65	71	64	66	49	43	46	34	32	33
25	63	60	62	68	63	65	51	49	50	38	34	36
26	69	60	62	67	64	65	55	51	52	42	38	39
27	66	57	60	69	65	67	61	53	57	46	42	43
28	61	56	58	69	64	66	63	59	61	45	43	44
29	62	57	59	71	61	64	65	61	63	51	44	46
30	62	56	59	65	57	61	61	57	59	55	47	50
31	63	59	61	---	---	---	60	55	57	57	52	54

02160700 ENOREE RIVER AT WHITMIRE, SC--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	59	49	53	60	50	55	57	42	47	76	50	61
2	52	39	45	57	50	53	49	46	48	95	53	71
3	55	36	44	58	52	54	56	47	49	64	51	54
4	53	37	40	57	53	55	49	41	45	56	50	54
5	53	47	50	62	55	57	56	45	52	56	51	53
6	53	43	48	65	41	52	56	45	51	66	53	56
7	46	37	41	49	42	47	64	47	54	57	51	54
8	49	41	45	51	48	49	65	57	61	55	53	54
9	49	45	47	58	50	53	55	51	53	63	53	56
10	53	48	50	67	52	56	51	33	42	55	52	54
11	51	49	50	59	53	56	47	38	42	60	53	55
12	55	50	53	58	55	56	45	35	40	59	55	56
13	56	47	52	67	53	56	46	41	42	55	54	55
14	49	36	42	55	53	54	49	44	47	57	55	56
15	48	35	39	66	53	55	49	46	47	54	52	53
16	48	41	45	57	54	55	53	43	45	53	51	52
17	59	48	52	56	33	44	54	42	49	52	41	48
18	53	49	51	42	34	37	54	42	48	40	37	38
19	54	51	53	55	42	47	48	41	42	45	40	43
20	55	52	54	64	50	53	43	38	40	51	45	47
21	66	55	58	55	51	53	44	41	42	47	36	42
22	60	53	58	61	52	56	47	42	45	37	35	36
23	52	50	51	54	48	50	47	45	46	43	36	40
24	52	47	49	56	47	52	46	40	44	45	42	43
25	51	46	49	53	45	47	40	36	38	46	44	45
26	50	46	49	47	43	45	48	37	40	52	47	49
27	51	47	48	53	43	45	61	43	50	59	49	53
28	55	49	51	44	34	36	51	48	49	60	49	52
29	---	---	---	47	34	38	51	48	50	52	50	51
30	---	---	---	47	44	46	57	48	51	54	50	52
31	---	---	---	56	46	48	---	---	---	63	52	53
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	53	50	52	66	54	60	68	64	66	75	71	73
2	58	57	58	73	66	69	81	67	72	73	69	70
3	59	56	57	84	69	76	66	60	62	76	73	74
4	62	56	58	86	72	77	64	58	60	74	66	69
5	60	56	58	---	---	---	74	58	64	67	62	65
6	85	57	60	---	---	---	78	66	69	67	62	64
7	60	54	58	---	---	---	84	68	73	73	63	67
8	58	53	55	77	63	69	86	68	75	69	66	67
9	57	51	54	74	69	71	92	72	77	71	64	67
10	60	54	58	75	70	72	80	68	72	76	67	

02160700 ENOREE RIVER AT WHITMIRE, SC--Continued

PH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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



02160700 ENOREE RIVER AT WHITMIRE, SC--Continued

pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.5	17.8	19.2	15.9	13.8	14.8	12.4	11.8	12.2	9.3	9.0	9.2
2	21.3	18.2	19.7	17.0	15.1	15.9	13.7	12.5	13.1	9.7	9.1	9.5
3	21.5	18.9	20.2	17.7	16.0	16.8	15.2	13.7	14.6	9.9	9.6	9.7
4	21.9	19.6	20.7	17.8	16.6	17.5	16.6	15.0	15.9	9.5	8.0	8.9
5	22.6	20.3	21.4	16.4	13.0	14.7	17.2	16.2	16.7	8.0	7.6	7.8
6	22.8	20.4	21.5	12.7	11.0	11.9	16.9	14.8	15.9	8.1	7.2	7.6
7	22.1	20.1	21.2	11.5	9.4	10.5	14.7	13.0	14.0	8.2	7.1	7.6
8	21.6	21.3	21.5	11.2	8.7	9.9	12.9	11.3	12.2	8.4	7.4	7.8
9	22.4	21.2	21.8	11.5	8.8	10.1	11.7	10.6	11.1	7.9	7.4	7.7
10	22.3	21.2	21.9	12.3	9.7	11.0	10.6	9.8	10.1	8.5	7.6	8.1
11	21.1	19.4	20.2	12.5	10.4	11.6	10.2	9.6	9.9	9.2	8.3	8.7
12	19.3	19.0	19.2	15.0	12.2	13.7	10.8	9.9	10.5	8.8	7.4	8.2
13	19.9	19.1	19.5	14.8	12.5	14.0	9.8	7.7	8.9	7.2	5.8	6.5
14	21.0	19.5	20.1	12.3	10.7	11.2	7.6	6.5	6.9	6.3	4.9	5.7
15	19.4	17.7	18.6	11.3	9.7	10.5	8.2	6.6	7.2	7.0	5.6	6.2
16	18.3	16.4	17.3	10.0	8.2	9.2	9.9	8.4	9.4	6.4	5.1	5.7
17	16.3	14.6	15.4	10.5	9.1	9.9	9.8	8.9	9.6	5.5	4.1	4.8
18	14.8	13.2	14.1	11.5	10.5	11.0	8.8	7.3	8.1	5.0	3.7	4.3
19	15.7	13.5	14.6	12.5	11.5	12.1	7.2	6.4	6.7	3.8	2.6	3.2
20	17.1	14.7	15.9	13.1	12.4	12.8	6.7	6.0	6.4	2.8	2.4	2.7
21	18.0	16.4	17.2	14.5	13.1	13.8	6.8	5.9	6.3	2.3	1.4	1.7
22	17.6	15.8	16.8	15.1	13.6	14.3	6.5	5.6	6.0	2.9	1.6	2.2
23	15.7	13.8	14.8	15.6	13.9	14.6	6.8	5.5	6.1	4.4	3.0	3.8
24	13.7	12.0	12.8	16.3	14.5	15.3	8.2	6.3	7.3	5.6	4.4	5.1
25	12.6	11.8	12.2	14.3	12.2	12.9	10.5	8.1	9.4	6.0	5.4	5.8
26	14.2	11.9	12.9	12.2	11.9	12.1	12.0	10.3	11.2	6.4	5.5	6.0
27	13.5	11.1	12.3	13.1	12.1	12.6	13.1	11.7	12.4	6.6	6.1	6.4
28	13.3	10.8	12.1	13.0	11.9	12.4	14.0	12.8	13.5	7.7	6.6	7.1
29	13.5	10.9	12.1	13.2	11.5	12.2	14.3	13.3	14.0	7.8	6.9	7.4
30	13.7	10.8	12.3	11.9	11.2	11.6	13.2	10.8	12.1	8.8	7.5	8.2
31	14.4	11.9	13.2	---	---	---	10.7	9.3	10.0	9.5	8.3	8.8

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	10.3	8.7	9.4	9.9	8.1	9.1	12.3	10.6	11.5	20.7	19.0	19.9
2	12.9	10.4	12.1	11.3	8.9	10.1	13.4	12.1	12.8	21.5	20.1	20.7
3	12.8	10.0	11.4	12.3	10.0	11.1	13.1	12.0	12.5	21.6	20.2	20.9
4	9.9	8.1	9.0	13.4	11.0	12.1	13.1	11.0	12.2	20.7	19.2	19.9
5	8.0	6.7	7.3	14.3	12.4	13.4	13.4	12.5	13.0	19.5	18.0	18.8
6	6.6	5.8	6.1	15.9	14.3	15.2	15.3	13.2	14.2	19.4	17.3	18.3
7	6.7	5.8	6.3	16.0	15.8	15.9	17.0	15.3	16.3	19.8	17.2	18.5
8	6.5	5.7	6.1	16.7	15.6	16.1	17.0	16.4	16.8	19.4	18.5	18.9
9	6.1	5.3	5.8	15.9	14.7	15.3	16.8	16.2	16.6	20.2	18.4	19.2
10	6.6	6.2	6.5	14.6	12.3	13.4	16.8	15.7	16.4	19.9	17.7	18.8
11	6.8	6.4	6.6	12.2	10.9	11.5	16.5	15.5	16.1	20.5	18.1	19.3
12	6.7	6.0	6.4	12.1	10.2	11.1	16.1	14.9	15.6	21.5	19.0	20.3
13	6.6	6.1	6.5	12.4	10.2	11.2	16.7	15.1	16.0	20.6	19.8	20.3
14	6.7	5.6	6.2	12.4	10.7	11.5	16.9	16.4	16.7	21.6	19.4	20.5
15	7.7	6.1	6.9	13.9	11.2	12.6	17.6	16.8	17.1	21.5	20.8	21.1
16	8.4	7.2	7.8	14.3	13.4	13.8	16.9	15.6	16.3	22.1	20.8	21.4
17	10.0	8.4	9.1	13.5	11.4	12.2	15.7	14.4	15.1	21.4	20.0	20.8
18	10.0	8.8	9.4	12.1	11.3	11.7	14.7	12.6	14.0	19.7	18.7	19.2
19	10.3	8.8	9.5	14.0	11.9	12.9	12.8	11.3	12.1	18.9	18.3	18.7
20	10.6	8.9	9.6	14.1	13.2	13.8	12.6	10.6	11.6	19.7	18.3	19.1
21	10.6	8.8	9.6	14.2	13.2	13.9	13.4	11.1	12.2	20.1	19.4	19.7
22	11.2	9.6	10.5	13.1	11.8	12.6	13.5	12.2	12.9	20.9	20.2	20.5
23	12.0	10.9	11.5	12.0	10.8	11.4	13.7	13.1	13.5	22.2	20.9	21.6
24	11.8	11.4	11.6	10.7	7.4	9.1	13.8	13.3	13.7	22.0	21.1	21.7
25	11.6	10.3	11.2	9.2	6.8	8.0	14.3	12.6	13.5	21.6	20.4	21.0
26	10.1	8.7	9.4	9.8	8.1	9.0	15.7	13.5	14.7	21.6	20.1	20.9
27	8.6	7.7	8.2	11.2	9.8	10.6	17.3	14.9	16.1	21.6	19.9	20.6
28	8.1	7.8	8.0	12.0	10.7	11.4	18.2	16.2	17.2	21.0	19.0	20.1
29	---	---	---	12.3	10.7	11.6	19.2	17.4	18.2	21.3	19.8	20.5
30	---	---	---	12.1	11.3	11.7	19.7	18.4	19.0	22.5	20.2	21.4
31	---	---	---	11.7	11.1	11.4	---	---	---	23.3	21.1	22.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	22.0	21.1	21.5	26.5	25.2	25.9	26.8	25.3	26.2	25.7	24.6	25.2
2	20.7	20.2	20.5	27.6	25.6	26.6	25.4	24.6	25.0	24.9	24.1	24.5
3	21.2	19.4	20.4	28.6	26.2	27.4	25.7	24.2	24.9	25.0	23.7	24.3
4	22.9	20.5	21.7	28.6	26.6	27.5	27.3	24.4	25.8	25.4	23.7	24.6
5	23.6	21.4	22.6	---	---	---	27.8	25.3	26.7	26.0	24.2	25.1
6	23.7	22.3	22.9	---	---	---	28.5	26.1	27.2	27.2	24.8	25.9
7	22.8	21.5	22.2	---	---	---	28.4	25.7	27.0	27.2	25.1	26.2
8	22.2	20.9	21.5	26.5	24.2	25.3	27.9	25.8	26.9	27.3	25.4	26.3
9	22.4	20.9	21.7	26.1	23.3	24.8	28.3	25.9	27.0	27.0	25.1	26.1
10	22.9	20.5	21.7	26.6	23.8	25.0	28.7	26.0	27.3	26.4	25.1	25.9
11	22.9	20.1	21.6	27.0	26.1	26.6	28.4	26.0	27.3	27.3	25.4	26.3
12	23.1	20.2	21.7	27.8	25.3	26.7	28.1	26.1	27.1	27.2	25.7	26.4
13	23.3	20.3	21.8	28.1	25.6	26.9	27.3	25.7	26.4	26.4	25.0	25.6
14	22.7	20.5	21.7	28.5	26.1	27.3	25.7	23.6	24.7	24.9	23.6	24.3
15	23.8	20.9	22.4	29.2	26.8	27.9	25.7	22.6	24.1	23.8	22.4	23.1
16	24.9	22.2	23.6	29.5	26.8	28.1	26.0	22.9	24.4	23.2	22.1	22.7
17	25.1	23.0	24.1	29.0	27.0	28.0	26.7	23.5	25.0	23.3	21.3	22.5
18	24.9	22.9	24.0	28.8	26.9	27.7	27.3	23.8	25.5	24.3	21.9	23.0
19	25.4	23.5	24.5	29.2	26.4	27.7	28.3	25.1	26.6	24.4	22.4	23.4
20	24.8	24.0	24.4	29.0	26.5	27.8	29.4	26.1	27.6	24.2	23.2	23.7
21	25.6	23.5	24.6	29.2	26.8	28.1	29.7	26.3	27.8	24.3	23.2	23.9
22	25.4	24.4	25.0	29.9	27.3	28.6	29.8	27.0	28.2	22.9	20.0	21.5
23	26.2	24.4	25.1	30.2	28.0	29.0	30.2	26.7	28.3	19.8	17.9	19.0
24	25.8	23.4	24.6	29.6	27.4	28.5	29.6	27.1	28.0	19.5	17.3	18.3
25	26.5	23.5	25.1	29.3	27.5	28.3	27.2	25.2	26.1	18.7	16.2	17.4
26	27.0	24.7	25.9	28.3	26.3	27.2	27.4	24.6	25.8	17.8	16.0	16.9
27	27.2	25.4	26.4	27.2	25.2	26.2	27.6	25.2	26.4	18.3	15.4	16.9
28	27.2	25.7	26.5	26.9	24.3	25.7	28.0	25.7	26.8	19.0	16.2	17.7
29	27.1	25.8	26.3	27.4	24.8	26.1	28.0	25.5	26.8	18.2	17.8	18.0
30	27.0	25.6	26.2	26.5	24.1	25.5	27.8	25.3	26.5	18.4	17.5	18.1
31	---	---	---	27.8	25.1	26.5	27.3	24.9	26.0	---	---	---

YEAR	30.2	1.4	16.8
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## SANTEE RIVER BASIN

02160700 ENOREE RIVER AT WHITMIRE, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.8	8.1	8.6	9.3	8.8	9.2	10.2	10.0	10.2	10.9	10.8	10.9
2	8.6	8.0	8.4	8.9	7.9	8.7	10.1	9.4	10.0	10.9	10.7	10.8
3	8.5	7.6	8.3	8.5	7.6	8.2	9.8	9.3	9.6	10.8	10.7	10.8
4	8.3	7.9	8.2	7.9	7.6	7.8	9.4	8.7	9.2	11.1	10.7	11.0
5	8.1	7.7	8.0	9.0	7.9	8.6	9.1	8.5	9.0	11.1	10.8	11.0
6	8.1	7.6	7.9	9.7	8.4	9.5	9.2	7.9	9.0	10.9	10.8	10.9
7	8.0	7.4	7.8	10.1	9.1	10.0	10.0	9.3	9.7	10.9	10.8	10.9
8	7.6	7.2	7.4	10.5	10.0	10.2	10.7	8.9	10.3	11.0	10.8	11.0
9	7.3	7.2	7.3	10.4	9.2	10.2	11.0	10.8	11.0	11.2	10.9	11.2
10	7.2	7.1	7.2	10.2	9.4	10.0	11.4	11.0	11.3	11.2	11.1	11.2
11	7.8	7.3	7.6	10.0	9.4	9.8	11.5	11.1	11.4	11.2	11.0	11.2
12	8.0	7.8	7.9	9.6	8.6	9.3	10.9	10.3	10.6	11.5	11.0	11.3
13	7.9	7.4	7.8	9.2	8.4	9.0	11.5	10.7	11.1	12.0	11.5	11.9
14	7.5	7.4	7.5	10.0	9.2	9.8	11.8	10.8	11.5	12.2	11.8	12.1
15	7.9	7.5	7.7	10.3	9.6	10.1	11.7	11.4	11.7	12.0	11.6	11.8
16	8.3	7.9	8.1	10.7	9.6	10.4	11.3	10.1	10.8	12.0	11.2	11.9
17	8.9	8.3	8.7	10.6	9.8	10.4	10.5	10.3	10.5	12.3	11.9	12.2
18	9.4	8.9	9.2	10.2	9.1	9.9	11.0	10.6	10.8	12.5	11.9	12.3
19	9.4	8.8	9.2	9.8	9.0	9.6	11.3	10.0	11.1	13.0	12.4	12.8
20	8.8	8.4	8.7	9.4	9.0	9.3	11.2	10.6	11.2	13.0	12.9	13.0
21	8.4	8.1	8.3	9.2	8.6	9.0	11.4	11.0	11.2	13.2	13.0	13.2
22	8.4	8.1	8.3	8.9	8.3	8.8	11.5	11.3	11.4	13.0	12.4	12.9
23	8.9	8.5	8.8	8.8	8.3	8.7	11.5	11.2	11.4	12.7	12.0	12.4
24	9.4	8.9	9.2	8.6	8.3	8.5	11.1	10.5	10.9	12.0	11.7	11.9
25	9.6	9.2	9.4	9.4	8.6	9.2	10.7	10.0	10.4	11.6	11.5	11.6
26	9.4	9.2	9.3	9.7	8.6	9.5	10.1	9.6	9.9	11.8	11.4	11.6
27	9.7	9.4	9.6	9.7	9.4	9.6	9.6	9.3	9.6	11.5	11.2	11.4
28	10.0	9.6	9.8	9.6	9.5	9.6	9.5	8.4	9.3	11.4	11.2	11.3
29	10.0	9.6	9.8	10.0	9.2	9.7	9.4	8.9	9.3	11.4	11.0	11.2
30	10.0	9.6	9.8	10.1	9.7	9.9	10.3	9.5	9.9	11.1	9.9	10.9
31	9.8	9.3	9.6	---	---	---	10.8	10.3	10.6	10.7	10.6	10.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.6	10.0	10.5	10.9	10.6	10.8	9.4	9.2	9.4	7.8	7.7	7.8
2	10.0	8.3	9.2	10.6	10.4	10.6	9.3	9.1	9.2	7.6	7.5	7.6
3	9.3	8.3	8.9	10.4	10.1	10.3	9.6	9.1	9.4	7.5	7.2	7.4
4	10.3	9.3	9.9	10.2	9.8	10.1	9.8	9.5	9.7	7.5	7.2	7.4
5	10.9	10.3	10.7	9.8	9.4	9.7	9.6	9.2	9.5	7.7	7.5	7.6
6	11.3	10.9	11.2	9.4	8.9	9.3	9.4	8.9	9.3	7.7	7.7	7.7
7	11.6	11.3	11.5	9.0	8.7	8.9	9.0	8.2	8.7	7.8	7.5	7.7
8	11.7	11.3	11.5	8.9	8.6	8.8	8.6	8.3	8.6	7.6	7.5	7.6
9	11.8	11.5	11.7	9.1	8.6	8.9	8.7	8.5	8.7	7.6	7.5	7.6
10	11.7	11.4	11.5	9.6	9.1	9.4	8.6	8.5	8.6	7.7	7.5	7.6
11	11.4	11.3	11.4	10.1	9.7	10.0	8.6	8.3	8.6	7.6	7.4	7.5
12	11.7	11.3	11.5	10.3	8.9	10.2	8.6	8.5	8.6	7.5	7.2	7.4
13	11.5	11.4	11.6	10.3	10.1	10.2	8.7	8.4	8.6	7.3	7.2	7.3
14	11.6	11.3	11.5	10.2	10.1	10.2	8.4	8.3	8.4	7.3	7.0	7.2
15	11.4	11.1	11.3	10.1	9.7	10.0	8.3	8.1	8.3	7.1	6.9	7.0
16	11.1	10.8	10.9	9.7	9.5	9.6	8.5	8.1	8.4	6.9	6.8	6.9
17	10.8	10.5	10.7	10.2	9.5	9.9	8.8	8.5	8.7	7.4	6.9	7.2
18	10.6	10.3	10.5	10.0	9.7	9.9	9.1	8.5	8.9	7.5	7.2	7.4
19	10.6	10.4	10.6	9.7	9.2	9.5	9.6	9.1	9.5	7.6	6.7	7.5
20	10.7	10.5	10.6	9.5	9.1	9.4	9.7	9.3	9.7	7.6	7.4	7.6
21	10.9	10.6	10.8	9.3	9.2	9.3	9.6	9.4	9.6	7.3	6.9	7.2
22	10.8	10.5	10.7	9.7	9.3	9.6	9.5	9.3	9.4	6.9	6.6	6.9
23	10.5	10.1	10.3	10.0	9.6	9.8	9.3	9.0	9.2	6.9	6.5	6.8
24	10.1	9.9	10.1	10.6	9.8	10.2	9.1	8.8	9.0	7.0	6.6	6.9
25	10.4	9.8	10.2	10.9	10.5	10.8	9.2	9.0	9.2	7.1	7.0	7.1
26	11.2	10.4	10.9	10.6	10.2	10.5	9.1	8.8	9.0	7.5	7.0	7.2
27	11.6	11.1	11.4	10.2	9.6	10.0	8.8	8.4	8.8	7.3	7.1	7.3
28	11.5	10.9	11.3	9.6	8.9	9.4	8.7	8.2	8.5	7.9	7.3	7.7
29	---	---	---	9.0	8.6	9.0	8.1	8.0	8.1	7.8	7.3	7.5
30	---	---	---	9.1	8.7	9.0	8.0	7.9	8.0	7.8	7.3	7.5
31	---	---	---	9.2	9.0	9.2	---	---	---	7.5	7.0	7.3

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

[illegible]



## SANTEE RIVER BASIN

02160775 HELLERS CREEK NEAR POMARIA, SC

LOCATION.--Lat 34°21'38", long 81°29'32", Newberry County, Hydrologic Unit 03050106, at Road 55 bridge 7.8 mi northwest of Pomaria and 9.2 mi northeast of Newberry.

DRAINAGE AREA.--8.16 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1980 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 375 ft (from topographic map).

REMARKS.--Records fair, except those for periods of no gage-height record, Oct. 1 to Nov. 15, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 756 ft<sup>3</sup>/s Mar. 17, 1983, gage height, 8.02 ft; minimum daily, 0.85 ft<sup>3</sup>/s Aug. 17, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 756 ft<sup>3</sup>/s Mar. 17, gage height, 8.02 ft; minimum daily, 0.85 ft<sup>3</sup>/s Aug. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	2.0	10	11	3.6	12	16	5.8	3.3	2.3	3.1	1.7
2	1.4	4.0	5.6	41	105	10	20	5.6	3.3	2.5	4.0	2.5
3	1.3	11	4.7	31	24	9.0	17	5.4	3.1	2.4	2.3	2.0
4	1.4	5.0	4.2	13	13	8.5	13	7.0	3.0	2.3	2.0	1.6
5	1.3	3.0	5.8	10	10	8.0	11	5.5	2.9	2.3	1.7	1.4
6	1.6	2.5	9.8	8.4	40	97	9.5	5.0	3.0	4.3	1.7	1.5
7	4.0	2.1	5.6	7.0	26	27	11	4.8	3.3	3.4	1.7	1.3
8	4.4	1.9	4.6	6.0	13	22	66	4.7	3.9	2.9	1.8	1.1
9	2.0	1.8	4.0	9.5	11	17	37	4.5	3.4	2.7	1.8	1.0
10	2.1	1.9	3.7	13	13	15	23	4.2	3.2	2.6	1.6	.90
11	2.2	2.5	5.5	9.3	23	13	12	4.0	2.9	2.5	1.5	1.1
12	6.5	6.0	87	7.2	13	10	9.3	3.8	2.8	3.4	1.6	1.2
13	5.6	4.5	14	6.0	12	9.0	8.7	3.6	2.6	3.0	1.3	2.4
14	3.0	3.5	8.4	5.4	132	8.5	8.8	3.9	2.5	2.6	1.1	2.4
15	1.6	2.9	6.6	4.9	39	8.0	11	3.7	2.5	2.5	.95	1.4
16	1.4	2.8	17	4.4	18	22	9.7	4.3	2.3	2.3	.87	1.2
17	1.3	2.8	9.8	4.2	14	259	8.3	4.0	2.3	2.2	.85	1.0
18	1.5	2.8	6.5	3.9	12	93	7.8	3.6	2.2	2.2	1.0	1.2
19	1.8	2.7	5.9	3.6	10	20	7.4	3.9	2.2	2.1	1.3	1.9
20	2.0	2.7	5.3	3.4	9.0	12	7.2	4.1	2.1	2.1	1.2	1.2
21	1.7	2.7	4.7	18	14	31	7.1	3.8	3.9	2.1	1.2	1.0
22	1.6	2.7	4.3	74	26	17	6.9	3.5	3.2	2.0	1.1	.95
23	2.1	2.7	4.0	44	60	13	6.9	11	3.0	2.0	1.0	.88
24	3.0	2.7	3.7	16	20	14	8.3	5.7	2.9	1.8	5.1	.86
25	2.0	2.6	3.6	7.8	14	19	7.9	4.7	2.7	1.8	3.7	1.2
26	1.8	2.5	3.6	5.2	11	17	6.8	4.2	2.6	1.7	2.0	1.5
27	1.7	2.6	3.6	4.6	10	30	6.9	3.8	2.5	1.7	1.4	1.6
28	1.6	2.8	3.7	18	11	19	6.6	3.5	2.5	1.6	1.3	2.2
29	1.5	5.2	9.5	8.1	---	15	6.3	3.4	2.3	1.6	1.2	2.9
30	1.5	7.7	8.5	6.0	---	13	5.9	3.3	2.2	1.6	1.2	2.8
31	1.6	---	18	4.5	---	18	---	3.1	---	1.6	1.1	---
TOTAL	67.9	102.6	291.2	408.4	706.6	886.0	383.3	141.4	84.6	72.1	53.67	45.89
MEAN	2.19	3.42	9.39	13.2	25.2	28.6	12.8	4.56	2.82	2.33	1.73	1.53
MAX	6.5	11	87	74	132	259	66	11	3.9	4.3	5.1	2.9
MIN	1.3	1.8	3.6	3.4	3.6	8.0	5.9	3.1	2.1	1.6	.85	.86
CAL YR 1982	TOTAL	3966.20	MEAN	10.9	MAX	212	MIN	1.3				
WTR YR 1983	TOTAL	3243.66	MEAN	8.89	MAX	259	MIN	.85				

## SANTÉE RIVER BASIN

91

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, SC

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 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, 116 micromhos Oct. 19, 1981; minimum, 32 micromhos Jan. 6, 1982.

pH: Maximum, 9.1 units June 20, 1978; minimum, 6.2 units July 27, 1982 and Aug. 21-24, 1983.

WATER TEMPERATURE: Maximum, 33.0°C July 31, 1980; minimum, 1.0°C Jan. 15, 1982.

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, 110 micromhos Aug. 27; minimum, 37 micromhos Mar. 20.

pH: Maximum, 8.7 units June 25, 26; minimum, 6.2 units Aug. 21-24.

WATER TEMPERATURE: Maximum, 32.0°C Aug. 29; minimum, 2.2°C Jan. 23.

DISSOLVED OXYGEN: Maximum, 12.4 mg/L Feb. 8; minimum, 3.1 mg/L Aug. 24, 25.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	78	76	77	89	79	81	90	85	85	82	72	78
2	86	74	77	85	79	81	85	80	84	80	74	78
3	97	73	79	90	80	82	85	75	83	80	67	77
4	98	71	76	90	82	82	85	75	81	80	79	79
5	76	70	72	97	82	84	84	79	81	79	57	77
6	87	69	72	82	82	82	82	80	81	77	62	74
7	80	69	72	97	82	86	84	79	83	77	65	74
8	73	67	70	95	82	85	84	75	82	77	69	74
9	73	70	72	---	---	---	84	84	84	77	70	75
10	90	68	76	82	82	82	84	84	84	77	75	76
11	88	71	75	87	82	82	84	74	82	77	77	77
12	94	72	76	89	82	84	84	77	82	77	77	77
13	84	73	75	90	82	83	84	55	78	77	77	77
14	86	74	76	95	82	86	84	55	76	77	75	77
15	89	74	77	97	84	87	84	57	77	77	77	77
16	80	75	76	92	84	85	84	82	83	80	77	77
17	85	75	77	97	84	87	84	84	84	80	77	77
18	85	75	77	95	84	86	84	82	83	78	77	77
19	78	75	76	94	84	86	82	72	81	81	77	78
20	81	76	77	90	82	84	82	62	77	83	78	79
21	79	76	77	92	82	84	82	65	79	78	76	77
22	79	76	77	92	82	83	82	82	82	77	72	77
23	79	76	77	85	82	83	82	70	80	77	61	73
24	82	77	78	90	84	86	82	69	78	76	54	72
25	88	77	79	92	82	85	82	75	80	77	76	76
26	86	77	78	85	84	84	82	77	81	77	70	77
27	86	78	79	85	84	84	82	82	82	76	53	70
28	86	78	80	92	84	86	80	72	78	77	75	76
29	84	78	79	92	84	86	80	74	78	77	60	75
30	89	78	80	90	84	86	82	74	80	78	61	72
31	94	79	83	---	---	---	82	72	78	77	65	72

## SANTÉE RIVER BASIN

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, SC--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	79	74	77	69	67	68	65	52	58	62	62	62
2	77	76	77	67	67	67	62	52	59	62	60	62
3	77	69	76	67	67	67	62	55	60	63	60	61
4	77	76	76	67	64	66	62	52	59	62	60	60
5	76	46	67	67	65	67	65	50	62	62	60	60
6	76	49	67	67	67	67	65	64	65	60	60	60
7	76	51	69	67	54	64	65	64	65	65	60	61
8	73	47	65	67	65	66	65	62	64	67	60	63
9	69	65	68	67	50	63	65	55	62	67	60	61
10	70	52	65	67	65	66	62	52	59	60	60	60
11	70	70	70	65	52	61	62	47	58	65	60	61
12	70	65	69	65	55	62	62	60	62	65	60	61
13	69	54	64	65	62	64	62	60	62	65	60	61
14	73	54	64	65	59	63	62	62	62	70	60	63
15	73	46	68	65	65	65	62	60	61	70	65	66
16	72	71	72	65	65	65	60	60	60	72	65	67
17	72	72	72	65	65	65	62	55	59	70	65	66
18	72	71	72	65	64	65	62	55	60	70	65	65
19	72	57	69	65	64	65	62	57	61	65	65	65
20	72	60	67	65	37	56	62	57	61	65	65	65
21	71	63	68	65	42	59	62	55	60	67	65	65
22	71	68	70	64	62	64	62	60	61	67	65	65
23	70	68	69	64	45	59	62	62	62	65	60	64
24	70	66	69	65	45	59	62	62	62	65	55	61
25	70	55	67	65	50	61	62	62	62	65	55	62
26	70	69	69	65	64	65	62	55	61	65	55	61
27	69	59	65	64	50	59	62	50	60	65	60	62
28	69	59	66	62	50	59	62	52	60	60	60	60
29	---	---	---	65	57	63	62	55	60	65	60	61
30	---	---	---	67	60	66	62	60	61	67	60	63
31	---	---	---	67	47	63	---	---	---	67	60	62
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	67	60	64	69	58	65	75	60	63	90	70	77
2	67	65	65	72	58	65	75	60	63	75	75	75
3	65	60	63	72	61	65	75	60	62	75	75	75
4	65	60	64	66	55	60	70	60	63	85	75	76
5	70	65	66	65	55	59	70	60	61	95	75	81
6	72	65	66	60	54	59	70	60	63	90	75	79
7	72	65	66	59	49	56	80	60	66	95	70	79
8	67	65	65	58	53	57	80	60	66	90	70	77
9	70	65	66	58	52	57	75	60	65	85	70	78
10	70	65	66	57	56	56	75	60	66	85	70	77
11	72	65	66	56	55	56	65	60	64	80	70	77
12	75	65	68	---	---	---	80	60	65	80	75	79
13	72	65	67	---	---	---	65	60	61	85	75	80
14	75	65	67	---	---	---	75	60	66	75	70	73
15	75	65	67	---	---	---	80	60	69	85	70	74
16	75	65	66	---	---	---	65	65	65	85	75	77
17	70	60	65	---	---	---	70	61	65	80	70	73
18	75	60	66	---	---	---	81	65	68	90	70	79
19	65	60	64	---	---	---	71	61	66	95	75	78
20	75	65	67	---	---	---	87	67	72	90	75	77
21	75	60	67	---	---	---	82	63	71	80	70	76
22	75	65	67	---	---	---	83	63	71	85	70	78
23	70	60	65	---	---	---	79	64	72	81	70	76
24	70	65	66	---	---	---	80	65	73	96	80	83
25	70	60	65	---	---	---	80	70	74	91	76	82
26	75	60	67	70	60	62	75	65	72	86	71	81
27	75	60	68	75	60	63	110	65	79	86	81	81
28	70	60	66	80	60	63	105	70	80	86	81	82
29	70	60	67	65	60	60	100	70	81	87	81	82
30	70	58	65	60	60	60	85	75	77	82	80	82
31	---	---	---	75	60	63	85	70	77	---	---	---
YEAR	110	37	71									

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, SC--Continued

pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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

DAY	FEBRUARY		MARCH		APRIL		MAY	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.9	6.8	7.0	6.9	6.9	6.6	6.8	6.7
2	6.9	6.9	7.0	6.9	6.8	6.6	7.1	6.7
3	6.9	6.8	6.9	6.9	6.8	6.7	6.8	6.7
4	7.0	6.9	6.9	6.8	6.8	6.7	7.9	6.7
5	7.0	6.4	6.9	6.8	7.1	6.6	8.2	6.8
6	7.0	6.6	6.9	6.8	7.1	6.9	8.2	7.7
7	7.0	6.6	6.9	6.5	6.9	6.8	7.5	6.8
8	7.0	6.6	7.0	6.9	7.3	6.8	7.1	6.8
9	7.0	6.9	6.9	6.6	7.0	6.6	7.5	6.8
10	7.0	6.7	6.9	6.9	6.8	6.6	7.6	6.9
11	7.0	7.0	7.0	6.7	6.8	6.5	7.8	6.8
12	7.0	6.9	7.0	6.8	6.9	6.7	8.2	6.7
13	7.0	6.8	7.0	6.9	6.9	6.8	8.4	6.8
14	7.1	6.8	7.0	6.8	6.9	6.8	8.3	6.8
15	6.9	6.5	6.9	6.8	6.9	6.8	6.9	6.7
16	7.0	6.9	7.0	6.9	7.1	6.9	7.0	6.7
17	7.0	6.9	7.1	7.0	6.9	6.7	7.3	6.8
18	7.0	6.9	7.0	6.9	6.9	6.7	7.2	6.8
19	6.9	6.6	7.1	6.8	6.9	6.8	7.1	6.9
20	7.0	6.6	7.0	6.3	6.9	6.8	7.0	6.8
21	7.1	6.7	6.8	6.4	6.9	6.8	7.1	6.7
22	7.3	6.8	6.9	6.8	7.1	6.8	6.9	6.6
23	7.0	6.8	7.0	6.6	7.0	6.8	8.0	6.6
24	7.0	6.8	7.0	6.6	6.9	6.8	8.2	6.6
25	7.0	6.6	7.0	6.8	6.9	6.8	8.0	6.7
26	7.0	6.9	7.0	6.9	7.0	6.8	8.6	6.6
27	7.0	6.7	6.9	6.7	6.9	6.7	8.2	6.7
28	7.0	6.7	6.9	6.7	6.8	6.7	7.8	6.8
29	---	---	7.0	6.8	6.8	6.7	6.9	6.6
30	---	---	7.1	6.8	7.0	6.7	7.1	6.7
31	---	---	7.0	6.5	---	---	7.8	6.7



## SANTÉE RIVER BASIN

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, SC--Continued

pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.2	24.2	24.6	19.9	16.9	19.0	15.5	13.4	15.3	12.7	10.2	12.1
2	25.9	23.2	24.5	20.2	18.0	19.2	16.5	12.4	15.1	12.5	9.4	11.6
3	25.0	22.4	24.0	19.2	17.7	18.8	15.7	12.7	15.1	12.5	9.0	11.5
4	25.0	22.9	24.0	19.0	18.2	18.7	15.7	13.5	15.0	12.2	11.7	11.9
5	25.5	23.9	24.4	18.4	17.0	18.2	15.5	14.7	15.2	11.7	8.4	11.3
6	25.0	23.5	24.3	18.2	17.9	18.1	15.9	15.0	15.4	11.5	7.5	10.8
7	24.2	23.9	24.1	18.7	13.7	17.2	15.7	15.0	15.4	11.4	7.4	10.4
8	24.4	24.0	24.2	18.5	12.7	16.8	15.7	14.2	15.3	11.5	7.9	10.0
9	24.4	24.0	24.1	---	---	---	15.5	15.2	15.4	11.5	7.5	10.1
10	24.4	23.7	24.1	18.2	17.5	17.9	15.4	15.0	15.2	11.4	7.2	10.4
11	23.9	22.9	23.6	18.4	15.4	17.6	15.2	10.7	14.2	11.2	10.9	11.1
12	23.7	22.0	23.5	17.9	14.5	17.2	14.5	9.9	13.7	10.9	8.0	10.3
13	23.5	22.4	23.4	17.5	14.5	17.1	14.4	9.2	13.1	10.7	8.4	10.3
14	23.9	22.0	23.3	17.2	13.5	16.1	14.5	7.5	12.5	10.5	10.4	10.5
15	23.2	21.2	22.8	17.0	13.0	16.1	14.4	6.7	12.3	10.5	7.0	9.8
16	23.2	22.2	22.9	17.0	14.0	16.3	14.0	13.7	13.9	10.5	6.2	8.9
17	22.9	19.7	21.9	16.5	12.2	15.6	14.0	13.7	13.8	10.4	7.0	9.6
18	22.2	19.0	21.6	16.2	12.7	15.6	14.0	13.4	13.6	10.0	9.7	9.9
19	22.7	20.9	22.1	16.2	12.2	15.3	13.4	10.7	12.9	10.1	6.0	9.3
20	22.5	19.0	21.4	16.0	12.5	15.2	13.0	6.5	11.5	9.6	3.9	8.1
21	22.0	19.5	21.5	16.9	12.4	15.5	12.7	6.5	11.8	9.1	8.8	9.0
22	21.7	20.7	21.3	16.7	12.7	15.8	12.7	12.5	12.6	8.9	4.6	8.7
23	21.0	19.7	20.6	16.7	15.7	16.0	13.7	6.7	12.0	9.0	2.2	7.0
24	20.2	17.7	19.7	16.0	15.0	15.7	12.7	6.0	10.8	9.8	3.2	8.1
25	19.7	15.5	18.8	16.0	14.4	15.6	13.0	8.7	11.7	9.3	8.7	9.0
26	20.0	16.4	19.3	15.9	15.7	15.8	13.5	8.9	12.4	9.9	8.2	9.2
27	20.2	16.4	19.1	16.0	15.7	15.9	14.0	12.0	13.0	9.6	5.9	8.6
28	20.4	16.9	19.0	16.0	13.0	15.2	14.4	11.5	12.6	9.9	9.0	9.5
29	19.2	18.0	18.9	15.7	12.9	15.0	13.2	12.0	12.5	9.0	6.4	8.6
30	20.5	16.7	19.1	15.5	13.5	15.2	13.0	12.2	12.8	8.9	6.5	8.1
31	19.9	15.4	18.2	---	---	---	12.9	12.0	12.6	10.0	7.4	8.7

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	10.0	8.5	9.2	9.9	9.5	9.7	12.0	11.2	11.5	19.5	15.0	16.8
2	9.2	8.5	8.8	9.7	9.4	9.5	11.9	11.0	11.5	20.5	15.0	16.8
3	8.7	8.4	8.5	10.0	9.5	9.7	12.5	11.2	11.6	20.2	14.2	15.9
4	8.9	8.4	8.6	10.7	9.2	9.8	14.0	11.2	12.2	20.2	15.5	18.2
5	9.4	8.0	8.9	12.2	9.2	10.2	15.7	11.7	13.2	19.2	16.0	17.8
6	9.0	7.4	8.6	13.5	9.2	10.6	14.7	12.4	13.7	20.0	19.0	19.2
7	8.9	6.2	8.2	15.7	10.2	11.5	12.7	11.7	12.1	19.7	16.5	18.4
8	9.5	6.0	8.7	11.9	10.7	11.2	14.7	11.7	13.2	20.2	16.5	18.2
9	10.5	9.0	9.7	14.9	10.5	11.6	14.0	11.7	12.4	19.7	17.2	18.9
10	9.9	6.9	9.2	11.0	10.0	10.5	15.2	11.5	12.7	22.7	17.0	19.0
11	9.7	9.4	9.6	12.7	10.9	11.7	16.0	11.7	13.0	19.0	16.7	18.1
12	10.0	8.5	9.4	11.7	10.9	11.5	13.5	12.2	13.1	20.2	17.0	18.3
13	9.2	6.7	8.2	11.7	11.0	11.5	13.7	12.7	13.3	22.7	18.0	20.9
14	12.0	6.5	8.7	11.5	10.5	11.2	13.2	12.5	12.8	21.7	16.7	19.1
15	9.0	6.0	7.7	11.4	11.2	11.2	13.7	12.5	13.0	21.7	17.0	18.7
16	8.7	8.0	8.1	13.0	11.4	12.4	15.0	13.5	14.2	21.7	17.5	18.9
17	9.2	8.4	8.9	12.9	12.7	12.8	16.0	13.0	14.5	21.5	18.0	20.4
18	9.0	8.7	8.9	12.7	11.9	12.6	15.2	12.7	13.7	21.5	19.5	20.0
19	10.5	8.4	8.9	12.9	10.9	11.9	13.7	13.0	13.3	19.7	19.0	19.4
20	10.7	8.5	9.4	12.7	11.7	12.2	13.2	12.0	13.0	20.0	19.0	19.4
21	11.9	8.5	9.5	13.2	10.4	11.3	14.5	12.0	13.1	20.5	18.5	19.7
22	11.7	8.7	9.9	11.5	10.5	11.1	15.5	12.5	13.8	20.7	18.5	19.7
23	10.7	8.4	9.7	12.2	11.0	11.7	14.2	13.0	13.5	22.2	18.5	20.6
24	10.5	8.7	9.8	11.4	10.6	11.0	13.7	13.0	13.4	24.5	19.7	22.5
25	10.7	9.5	10.1	12.7	8.0	11.0	13.7	13.0	13.4	23.7	20.5	22.5
26	10.4	9.5	10.0	12.2	10.6	11.3	14.2	13.0	13.7	23.7	19.7	22.0
27	10.2	8.7	9.4	10.6	8.6	10.0	14.5	13.5	13.8	24.0	20.5	22.8
28	9.9	8.5	9.5	10.6	10.0	10.3	15.7	13.0	13.9	23.5	21.0	22.5
29	---	---	---	13.1	10.1	11.2	16.5	13.0	14.2	22.0	20.0	20.9
30	---	---	---	13.2	11.5	12.5	18.5	14.2	15.7	22.7	20.7	21.9
31	---	---	---	12.2	11.7	12.0	---	---	---	24.2	19.7	22.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	23.7	20.0	23.2	28.9	24.9	26.8	29.1	27.4	28.5	30.0	28.0	28.9
2	23.2	21.2	22.7	29.4	25.4	27.8	29.9	26.9	28.1	29.0	28.0	28.7
3	23.0	20.0	22.1	29.8	24.9	27.8	29.9	27.4	28.5	28.5	28.0	28.5
4	23.2	20.0	21.8	29.3	24.8	27.3	29.9	27.4	28.5	28.5	27.0	28.2
5	26.0	20.7	23.4	29.3	24.8	27.1	30.4	27.4	28.5	28.5	27.0	28.1
6	25.0	21.0	23.3	29.8	24.7	28.4	29.4	27.8	28.6	29.5	28.0	28.7
7	25.2	21.7	23.9	30.2	25.7	28.0	29.3	27.8	28.8	29.0	27.9	28.6
8	27.2	21.2	25.0	29.7	25.2	27.1	30.3	27.8	28.7	30.7	27.6	28.5
9	26.2	20.5	25.0	28.7	25.1	26.5	31.5	28.0	28.9	29.0	27.3	28.3
10	25.7	21.5	24.5	29.7	25.2	27.2	31.0	28.0	29.3	28.2	27.2	27.9
11	26.2	20.7	24.5	31.1	25.6	27.8	29.0	28.0	28.2	28.4	27.3	27.8
12	26.0	21.7	24.0	---	---	---	31.0	27.5	29.2	31.1	26.7	28.7
13	28.0	22.0	25.6	---	---	---	30.5	28.5	29.8	29.4	27.8	28.8
14	27.0	22.2	25.0	---	---	---	30.0	28.0	28.8	28.3	27.0	27.8
15	29.5	22.0	25.4	---	---	---	29.5	27.0	28.5	27.5	25.5	27.0
16	28.5	22.0	24.5	---	---	---	29.5	28.0	28.5	28.5	25.5	27.2
17	27.5	22.0	24.9	---	---	---	29.5	27.5	28.4	27.5	27.0	27.1
18	27.5	24.0	26.3	---	---	---	31.0	27.5	28.3	28.0	25.5	26.9
19	28.0	24.0	26.0	---	---	---	30.0	28.0	28.7	27.0	25.5	26.7
20	28.0	22.0	25.5	---	---	---	30.5	28.0	29.2	27.5	26.0	27.0
21	28.5	22.5	25.2	---	---	---	31.0	28.0	29.0	27.0	26.0	26.9
22	28.0	24.0	26.7	---	---	---	30.0	28.0	29.0	26.5	24.5	26.2
23	29.0	24.0	27.3	---	---	---	31.0	28.0	29.2	26.5	25.0	26.0
24	28.5	23.0	26.3	---	---	---	31.5	28.0	29.8	26.0	22.0	25.1
25	31.0	23.0	26.1	---	---	---	31.0	29.5	30.1	26.0	21.5	24.8
26	30.0	24.0	26.4	31.6	27.6	29.9	31.0	29.0	29.8	25.5	22.5	25.0
27	27.5	23.5	25.8	30.7	27.6	29.6	30.5	29.0	29.5	26.0	22.0	25.1
28	27.5	24.0	26.0	29.8	27.7	29.2	31.5	29.0	30.0	25.5	22.5	25.0
29	27.5	23.9	25.8	30.4	27.8	29.5	32.0	29.0	30.0	25.0	21.5	24.3
30	29.4	23.9	26.4	30.4	27.9	29.3	30.0	28.5	29.2	25.0	24.0	24.4
31	---	---	---	30.0	28.0	28.9	29.5	28.0	28.8	---	---	---
YEAR	32.0	2.2	18.4									

## SANTEE RIVER BASIN

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.0	6.2	6.6	9.5	8.1	8.7	9.1	8.2	8.5	8.5	7.2	7.9
2	7.8	6.3	6.6	9.0	8.1	8.5	9.4	8.4	8.7	8.9	7.9	8.3
3	7.1	6.3	6.8	8.6	7.8	8.2	9.8	8.2	8.6	9.1	7.8	8.8
4	7.4	6.4	6.8	8.3	7.7	7.9	9.0	8.1	8.5	9.5	8.8	9.2
5	8.4	6.7	7.3	8.5	7.9	8.1	9.0	8.1	8.5	9.8	8.7	8.9
6	8.0	6.9	7.6	8.1	7.8	8.0	8.5	8.0	8.3	10.2	8.8	9.2
7	7.9	6.7	7.3	8.7	7.7	8.1	8.7	8.3	8.6	10.8	8.9	9.4
8	7.9	6.8	7.4	9.5	7.7	8.2	8.8	8.4	8.6	11.1	9.0	9.9
9	7.3	6.3	6.8	---	---	---	8.8	8.3	8.6	11.0	9.4	10.0
10	7.5	6.6	7.2	8.2	7.8	8.0	8.7	8.4	8.6	10.8	8.7	9.4
11	7.1	6.7	6.9	8.7	7.8	8.1	9.8	8.3	8.7	9.3	8.8	9.1
12	7.1	6.7	6.9	9.5	7.8	8.2	10.0	8.4	8.8	10.6	8.9	9.4
13	7.0	6.6	6.8	9.5	8.0	8.4	9.4	8.2	8.7	10.1	9.1	9.3
14	7.2	6.6	6.8	9.4	8.0	8.5	10.6	8.2	9.0	9.2	9.1	9.2
15	7.5	6.5	6.8	9.6	8.1	8.5	11.3	6.9	9.3	10.7	9.0	9.5
16	7.0	6.5	6.8	8.8	8.1	8.3	8.9	8.4	8.7	11.0	9.4	10.0
17	7.8	6.8	7.2	9.6	8.2	8.6	8.9	8.4	8.6	10.6	9.2	9.7
18	8.0	6.9	7.2	10.1	8.3	8.7	8.7	8.5	8.6	10.1	9.2	9.6
19	7.5	7.1	7.3	9.9	8.3	8.7	9.5	8.4	8.7	10.3	8.9	9.4
20	8.2	7.1	7.5	9.7	8.3	8.7	10.9	7.6	8.9	10.8	9.0	9.6
21	8.2	7.1	7.4	9.8	8.3	8.8	10.6	8.0	8.8	9.4	8.7	8.9
22	7.8	7.3	7.6	9.7	8.3	8.7	8.7	8.6	8.7	10.5	8.9	9.1
23	7.9	7.4	7.6	10.1	8.1	8.4	11.0	8.5	9.0	11.1	9.0	9.7
24	8.3	7.5	7.8	8.7	8.0	8.4	12.1	8.4	9.5	11.1	9.1	9.6
25	8.8	7.6	7.9	8.7	8.4	8.6	10.9	7.1	8.5	9.5	9.1	9.4
26	8.6	7.6	8.0	8.6	8.4	8.6	9.7	7.7	8.4	10.2	9.4	9.7
27	8.6	7.7	8.1	8.7	8.3	8.6	9.7	8.9	9.3	11.0	9.7	10.2
28	8.5	7.7	8.1	9.5	8.6	8.9	10.1	8.8	9.3	10.8	10.0	10.2
29	8.4	7.8	8.0	9.6	8.4	8.8	9.0	6.6	7.1	10.6	9.4	9.8
30	8.7	7.9	8.2	9.3	8.1	8.6	7.2	6.8	7.0	10.6	9.1	9.6
31	9.3	7.9	8.6	---	---	---	7.4	7.0	7.2	10.1	9.5	9.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.4	9.9	10.2	11.1	10.8	11.1	10.5	10.0	10.3	8.9	7.8	8.4
2	10.6	10.3	10.5	10.8	10.5	10.7	10.8	10.1	10.4	9.2	7.6	8.7
3	11.6	10.6	11.2	10.7	10.5	10.6	10.1	9.7	10.0	9.0	7.9	8.7
4	11.6	11.3	11.5	10.8	10.5	10.6	10.3	9.9	10.2	10.0	7.8	9.2
5	12.0	10.6	11.1	10.6	10.1	10.5	10.6	10.0	10.5	10.4	8.5	9.5
6	10.9	10.2	10.5	11.0	10.0	10.7	10.2	9.8	10.0	10.4	9.3	9.8
7	11.8	10.6	11.3	10.5	8.6	10.1	10.0	9.8	10.0	9.1	8.0	8.8
8	12.4	8.2	9.1	11.0	10.3	10.6	10.2	9.7	10.0	8.6	7.9	8.3
9	8.4	8.1	8.3	10.9	9.4	10.3	10.0	9.1	9.8	9.0	7.9	8.5
10	9.2	8.1	8.4	10.5	10.3	10.4	9.8	8.7	9.5	8.9	8.1	8.4
11	8.3	8.1	8.2	10.3	9.3	10.0	9.9	8.5	9.6	9.4	8.1	8.7
12	8.5	8.1	8.3	10.2	9.7	10.1	10.1	9.9	10.0	10.1	7.8	8.9
13	9.4	8.1	8.6	10.2	10.0	10.2	10.2	9.9	10.1	9.9	8.0	9.3
14	11.2	8.3	10.0	10.2	9.9	10.2	10.1	10.0	10.1	9.8	7.9	8.7
15	11.7	10.7	11.0	10.3	10.1	10.2	10.3	10.0	10.2	8.3	7.8	8.2
16	10.9	10.7	10.8	10.3	10.1	10.2	10.2	9.6	9.9	8.3	7.4	8.1
17	10.9	10.8	10.9	10.2	10.0	10.2	9.8	8.9	9.4	8.8	7.6	8.4
18	11.0	10.7	10.9	10.4	10.0	10.2	9.9	9.0	9.5	8.7	7.8	8.4
19	11.5	10.8	11.0	10.2	10.0	10.1	10.2	9.6	10.1	8.7	8.2	8.5
20	11.3	10.9	11.1	10.3	9.9	10.2	10.2	9.7	9.9	8.4	7.8	8.2
21	11.2	10.7	10.9	10.3	9.6	10.2	10.5	9.7	10.0	8.4	7.5	8.0
22	11.4	10.8	11.0	10.2	10.0	10.2	10.1	9.7	9.9	7.8	7.0	7.5
23	11.4	11.0	11.2	10.2	9.9	10.1	10.0	9.6	9.9	9.7	6.9	8.4
24	11.7	11.0	11.4	10.5	9.8	10.1	9.8	9.3	9.5	9.2	7.4	8.4
25	11.6	10.7	11.4	10.5	9.6	10.0	9.8	9.6	9.7	9.0	7.4	8.4
26	11.4	11.3	11.4	10.1	9.7	9.9	9.8	9.4	9.7	9.8	7.3	8.5
27	11.6	11.0	11.4	11.4	10.1	10.5	9.6	8.8	9.1	8.9	7.0	8.3
28	11.4	11.0	11.1	10.8	9.9	10.3	9.4	8.7	9.0	8.4	7.6	8.1
29	---	---	---	10.3	9.8	10.1	9.1	8.4	8.9	7.9	7.1	7.5
30	---	---	---	10.6	10.2	10.4	9.2	8.0	8.8	8.1	7.2	7.7
31	---	---	---	10.6	10.1	10.3	---	---	---	8.6	7.3	8.1





## SANTEE RIVER BASIN

02160991 BROAD RIVER NEAR JENKINSVILLE, SC

LOCATION.--Lat 34°15'38", long 81°19'50", Fairfield County, Hydrologic Unit 03050106, on left bank 100 ft below dam, 0.3 mi upstream from Mayo Creek, 2.5 mi west of Jenkinsville, and at mile 201.4.

DRAINAGE AREA.--4,750 mi<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, 102 micromhos Nov. 6, 7; minimum, 34 micromhos Mar. 18.

pH: Maximum, 7.8 units June 26; minimum, 6.1 units Feb. 15, 16, 17.

WATER TEMPERATURE: Maximum, 31.5°C Aug. 23; minimum, 2.6°C Jan. 23.

DISSOLVED OXYGEN: Maximum, 13.5 mg/L Jan. 22, 23, 24, 25; minimum, 4.2 mg/L Aug. 24.

## SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	85	83	84	90	81	87	89	87	87	76	74	75
2	83	81	82	82	80	81	87	84	86	75	74	74
3	82	80	81	82	81	81	84	80	83	75	65	71
4	85	81	83	---	---	---	84	78	80	76	61	66
5	81	78	79	95	85	90	83	79	82	67	60	64
6	82	77	79	102	94	98	84	81	83	65	63	64
7	82	79	80	102	95	98	84	78	82	69	65	67
8	81	79	80	97	88	93	80	77	78	71	70	70
9	79	77	77	89	85	86	80	72	76	74	71	72
10	79	77	78	87	85	86	78	72	74	78	74	75
11	95	78	85	87	85	86	79	77	78	78	77	77
12	86	82	83	87	86	86	78	65	73	79	78	78
13	86	84	84	87	86	86	76	58	64	78	78	78
14	86	82	83	89	87	88	73	57	62	78	78	78
15	90	83	85	91	89	89	65	61	62	78	78	78
16	92	85	87	89	88	88	67	64	65	79	78	78
17	90	87	89	90	88	88	80	67	71	83	79	81
18	88	83	85	89	87	88	67	61	63	84	80	83
19	82	80	81	90	87	89	66	60	62	81	78	79
20	83	80	81	87	86	86	68	64	65	81	78	80
21	82	81	81	90	87	88	68	66	67	79	76	77
22	81	81	81	96	88	93	78	67	70	77	71	75
23	82	79	80	88	86	86	80	71	77	72	55	62
24	81	79	80	90	86	87	77	71	72	55	48	52
25	82	80	80	90	88	88	80	76	78	59	47	50
26	81	80	80	97	88	93	79	77	77	57	48	52
27	81	80	80	97	91	93	81	79	80	56	50	52
28	85	79	81	93	91	91	82	78	80	69	54	59
29	90	85	87	92	90	91	80	77	79	63	55	57
30	89	86	88	90	88	88	80	75	78	60	57	58
31	90	88	88	---	---	---	81	75	78	62	57	59

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	63	61	62	66	63	64	53	51	52	61	60	61
2	65	49	60	66	62	64	59	54	55	62	61	62
3	67	43	51	67	62	63	58	56	57	63	62	62
4	66	39	46	68	64	65	61	52	55	64	63	63
5	50	41	46	69	68	68	57	49	52	63	61	62
6	50	46	48	69	66	68	52	50	50	63	61	62
7	61	47	53	64	53	57	55	51	53	65	63	64
8	62	46	50	53	50	52	58	55	56	68	64	65
9	61	46	50	54	48	50	55	51	52	70	65	68
10	53	48	50	64	51	54	52	48	50	69	65	67
11	56	51	53	65	54	58	52	42	47	66	65	65
12	62	54	56	58	57	57	44	39	41	65	64	65
13	55	52	53	60	58	59	49	43	46	65	64	65
14	60	53	55	61	60	60	53	48	50	67	65	66
15	54	36	41	61	59	60	56	53	54	71	67	68
16	52	37	42	60	58	58	61	56	58	71	66	69
17	45	40	42	61	50	58	58	55	56	69	66	67
18	60	46	52	47	34	38	62	56	58	68	66	67
19	56	51	53	45	35	38	60	57	58	67	64	65
20	59	55	57	42	37	39	62	56	58	65	64	64
21	61	59	60	55	41	44	62	56	58	70	65	67
22	64	61	62	64	44	51	62	59	61	70	59	66
23	64	57	62	62	47	52	62	61	62	64	58	61
24	62	51	55	60	50	56	63	62	62	60	55	58
25	54	52	53	58	49	52	63	57	61	59	55	57
26	62	54	58	50	48	49	62	51	55	59	57	57
27	60	57	58	48	46	47	60	51	54	62	59	61
28	64	59	60	49	39	44	60	52	54	65	63	64
29	---	---	---	54	36	45	58	55	56	68	65	67
30	---	---	---	60	45	49	60	58	59	68	67	67
31	---	---	---	65	49	56	---	---	---	70	67	68
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	78	66	70	71	68	69	72	69	71	81	75	78
2	74	66	69	70	68	68	---	---	---	77	73	75
3	70	66	68	72	68	70	---	---	---	77	73	75
4	73	68	70	69	61	66	---	---	---	79	75	76
5	71	67	69	63	58	60	---	---	---	92	80	83
6	75	68	71	64	60	62	---	---	---	92	79	86
7	71	68	69	63	56	61	---	---	---	84	79	81
8	73	70	72	62	58	61	---	---	---	89	82	83
9	71	70	70	62	61	62	80	70	74	84	82	83
10	71	67	70	62	61	62	75	69	71	83	81	82
11	72	67	70	62	62	62	69	68	68	82	80	82
12	73	68	71	62	60	61	73	68	70	83	81	82
13	72	69	70	60	59	59	74	68	71	84	81	82
14	74	72	73	60	59	59	72	70	71	83	78	79
15	76	72	73	60	59	59	73	70	71	83	78	79
16	73	70	71	61	59	60	82	72	75	95	85	87
17	73	69	70	60	60	60	77	73	75	96	83	89
18	76	72	73	66	60	62	75	72	73	85	83	84
19	73	69	70	64	60	61	77	73	75	90	84	87
20	74	70	72	66	61	62	80	73	76	88	85	86
21	78	71	73	64	61	62	77	73	74	90	82	86
22	75	70	72	64	62	62	83	72	75	86	81	82
23	75	69	71	67	62	63	81	73	76	86	83	84
24	72	70	71	66	63	64	82	74	76	90	86	88
25	70	69	69	71	65	67	81	73	78	88	86	87
26	71	70	70	75	65	69	81	71	75	96	85	88
27	74	70	72	82	63	71	74	72	73	94	91	92
28	74	70	71	80	64	70	88	74	79	96	94	95
29	75	70	71	66	64	65	92	77	85	93	87	90
30	72	68	70	73	66	71	87	76	79	87	85	86
31	---	---	---	72	70	71	82	75	77	---	---	---
YEAR	102	34	69									

## SANTÉE RIVER BASIN

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	JUNE		JULY		AUGUST		SEPTEMBER	
1	6.7	6.4	6.9	6.7	6.7	6.6	6.5	6.5
2	6.6	6.4	7.0	6.8	---	---	6.6	6.5
3	6.7	6.5	6.9	6.7	---	---	6.8	6.6
4	6.7	6.5	6.7	6.6	---	---	6.7	6.6
5	6.7	6.6	6.7	6.6	---	---	6.8	6.6
6	6.8	6.6	6.8	6.7	---	---	6.7	6.6
7	6.7	6.7	6.8	6.7	---	---	6.7	6.6
8	6.8	6.7	6.7	6.6	---	---	6.7	6.6
9	6.8	6.7	6.8	6.7	6.7	6.6	6.7	6.6
10	6.9	6.8	6.9	6.7	6.6	6.5	6.8	6.6
11	6.8	6.8	6.8	6.6	6.7	6.5	6.7	6.5
12	6.8	6.7	6.7	6.7	6.8	6.5	6.7	6.5
13	6.9	6.6	6.8	6.6	6.8	6.6	6.6	6.5
14	6.9	6.8	6.7	6.6	6.8	6.6	6.8	6.6
15	6.9	6.7	6.8	6.6	6.7	6.6	6.9	6.8
16	6.9	6.8	6.7	6.5	6.8	6.6	6.9	6.8
17	7.0	6.8	6.8	6.6	6.7	6.6	6.9	6.7
18	7.0	6.8	6.8	6.6	6.8	6.6	6.8	6.7
19	7.1	6.7	6.7	6.6	7.0	6.6	6.7	6.7
20	7.1	6.8	6.7	6.6	6.6	6.5	6.7	6.6
21	7.0	6.7	6.8	6.5	6.6	6.4	6.7	6.7
22	6.8	6.7	6.9	6.5	6.6	6.4	6.8	6.7
23	6.9	6.7	6.7	6.5	6.5	6.4	6.8	6.7
24	7.0	6.7	6.7	6.6	6.6	6.4	6.9	6.8
25	7.1	6.7	6.7	6.5	6.6	6.5	6.9	6.8
26	7.8	6.8	6.8	6.6	6.7	6.5	6.9	6.8
27	7.0	6.7	6.8	6.6	6.9	6.5	6.9	6.8
28	6.8	6.7	6.8	6.6	6.8	6.5	6.9	6.9
29	6.7	6.6	6.7	6.6	6.7	6.5	6.9	6.9
30	6.8	6.7	6.8	6.7	6.6	6.5	6.9	6.9
31	---	---	6.8	6.6	6.6	6.5	---	---
YEAR	7.8	6.1	---	---	---	---	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.6	24.0	24.3	18.6	16.4	17.4	15.4	13.4	14.8	11.7	10.6	11.5
2	25.4	23.7	24.4	19.5	18.6	18.9	14.8	13.5	14.0	10.6	9.6	10.2
3	24.5	23.8	24.2	19.4	18.6	18.9	14.9	13.8	14.4	11.0	9.5	10.0
4	24.6	23.4	23.9	---	---	---	15.6	14.4	14.9	12.1	9.2	10.2
5	24.8	24.0	24.4	18.4	17.7	18.0	16.0	14.8	15.6	10.0	8.6	9.4
6	24.6	24.1	24.3	17.7	16.5	17.0	16.1	15.3	15.6	9.2	8.1	8.7
7	24.6	23.8	24.3	16.5	15.5	16.0	15.4	14.8	15.1	9.4	8.3	8.8
8	24.5	24.1	24.3	17.1	14.4	15.8	14.8	14.1	14.4	9.3	8.2	8.9
9	24.7	24.1	24.4	18.1	16.5	17.3	14.4	12.9	13.8	8.1	7.8	8.0
10	24.4	24.0	24.3	17.6	17.0	17.3	13.6	12.3	12.8	7.9	7.7	7.8
11	24.0	22.6	23.2	17.7	16.7	17.2	13.4	11.3	12.6	9.5	7.8	8.6
12	23.1	22.8	23.0	17.9	16.8	17.2	11.2	9.9	10.4	10.2	8.2	9.2
13	23.2	22.7	23.0	17.2	16.4	16.9	12.5	9.2	10.2	10.3	9.4	9.7
14	23.4	22.8	23.0	16.2	15.3	15.7	11.5	7.5	9.0	10.1	9.1	9.6
15	23.0	22.1	22.5	15.7	15.0	15.4	9.4	7.9	8.3	9.1	8.1	8.7
16	22.3	20.9	21.6	15.9	15.4	15.6	10.2	8.7	9.4	7.9	6.9	7.4
17	21.3	20.4	20.8	15.6	15.0	15.4	12.7	9.3	10.4	7.6	6.3	6.9
18	20.3	19.4	20.0	15.6	15.0	15.4	10.5	9.1	9.7	7.9	5.7	6.3
19	21.3	20.2	20.8	15.5	14.6	14.9	10.0	8.2	8.8	8.9	6.3	8.0
20	21.4	20.5	20.9	15.9	15.6	15.7	9.1	7.8	8.4	8.1	4.8	6.1
21	21.9	20.4	21.0	15.4	14.2	14.8	8.4	6.8	7.6	7.7	5.1	6.5
22	21.0	19.6	20.3	15.5	13.4	14.1	10.9	6.6	7.7	5.1	2.7	4.1
23	19.5	18.0	19.0	16.7	15.6	16.1	11.2	7.8	10.4	4.0	2.6	3.3
24	17.8	16.1	17.0	16.7	15.6	16.3	10.6	7.8	8.6	4.6	3.2	3.8
25	17.5	15.8	16.4	15.6	14.8	15.2	12.2	9.8	11.1	6.6	4.4	5.3
26	18.3	17.6	17.9	14.9	14.3	14.5	11.1	10.1	10.6	7.1	5.4	6.1
27	18.6	17.4	18.1	14.8	14.3	14.5	13.0	11.1	12.2	6.5	5.9	6.1
28	18.6	17.3	18.1	14.5	13.9	14.3	13.4	12.6	13.0	9.4	6.1	7.3
29	18.0	16.6	17.1	15.2	13.8	14.5	13.5	12.5	13.1	7.8	6.7	7.2
30	18.0	16.5	17.0	15.1	14.7	15.0	12.5	12.0	12.3	8.2	7.1	7.6
31	17.7	16.4	17.1	---	---	---	12.5	11.7	12.2	8.4	7.5	7.9



02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	9.7	8.1	8.9	10.0	8.6	9.2	12.8	11.5	12.0	21.1	19.0	20.0
2	12.2	9.9	11.0	10.6	9.0	9.7	12.9	11.8	12.3	20.9	16.2	19.1
3	12.1	9.2	11.0	12.2	9.6	10.4	12.8	12.5	12.7	20.0	16.4	17.7
4	---	---	---	12.6	10.3	11.1	12.9	11.9	12.4	19.9	16.5	18.2
5	---	---	---	13.3	10.9	12.2	13.4	12.1	12.8	20.7	17.7	19.2
6	---	---	---	15.6	13.1	14.3	14.6	12.8	13.7	21.1	19.2	20.1
7	8.6	6.8	7.7	16.2	14.7	15.8	15.1	14.4	14.7	21.2	19.4	20.4
8	8.5	6.0	7.0	16.3	15.5	15.8	15.7	14.4	15.4	21.1	20.1	20.6
9	8.5	6.0	6.9	16.0	14.4	15.5	16.3	15.7	16.1	20.5	19.2	19.7
10	7.0	6.4	6.7	14.6	11.3	13.4	16.8	15.8	16.3	21.5	19.2	20.0
11	7.1	6.2	6.6	12.7	11.4	12.2	16.5	14.4	15.9	21.1	18.6	19.8
12	8.2	6.2	6.8	12.8	11.4	11.9	16.5	15.2	15.8	21.4	19.2	20.2
13	6.5	6.1	6.3	12.9	11.4	11.8	16.4	15.4	15.8	21.3	19.1	20.1
14	7.5	5.8	6.4	12.5	11.4	11.8	16.6	15.8	16.2	22.2	20.0	20.9
15	7.6	6.2	6.8	13.0	11.6	12.2	16.9	16.3	16.6	22.7	20.8	22.0
16	7.8	6.7	7.3	13.0	12.3	12.8	16.5	15.6	16.1	22.8	19.8	21.4
17	8.7	7.5	8.0	12.8	12.1	12.6	17.0	15.6	16.1	22.0	19.3	20.5
18	9.5	8.4	8.8	11.9	11.5	11.7	15.7	13.4	14.5	21.6	19.5	20.5
19	10.1	8.8	9.3	12.8	11.4	12.1	13.9	12.6	13.3	20.9	19.3	19.8
20	10.3	9.0	9.5	13.5	12.3	12.9	13.9	12.3	12.9	20.8	19.6	20.0
21	10.4	9.2	9.7	13.8	11.4	13.3	13.8	12.0	12.9	21.5	19.8	20.8
22	10.5	9.6	10.1	13.0	10.8	12.3	13.9	12.7	13.2	22.4	20.7	21.5
23	11.2	9.7	10.5	12.6	11.8	12.2	13.9	13.3	13.7	21.9	19.8	20.9
24	11.2	9.8	10.8	11.6	9.9	11.0	14.0	13.4	13.8	23.3	21.6	22.2
25	11.3	10.4	11.0	11.7	8.8	10.0	14.4	13.0	13.7	23.6	22.0	22.6
26	10.4	9.8	10.0	10.0	8.7	9.3	14.7	13.2	14.1	24.9	22.3	23.1
27	9.8	9.5	9.7	11.1	9.5	10.3	15.7	14.2	15.0	23.5	21.5	22.4
28	9.5	8.5	8.9	12.1	10.8	11.4	17.6	14.4	16.0	24.0	22.0	22.8
29	---	---	---	12.3	10.9	11.6	19.3	15.0	17.5	23.8	22.4	23.1
30	---	---	---	12.4	11.7	12.0	20.2	17.3	18.8	24.8	22.4	23.5
31	---	---	---	12.1	11.7	12.0	---	---	---	24.7	22.4	23.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	22.0	21.1	21.5	28.4	25.6	26.4	29.5	28.7	29.1	29.6	28.7	29.4
2	---	---	---	29.9	25.9	27.0	---	---	---	28.8	27.7	28.2
3	---	---	---	29.2	27.0	27.7	---	---	---	29.0	27.6	28

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.4	6.1	6.3	7.4	7.0	7.3	8.9	8.3	8.6	9.9	9.4	9.6
2	6.9	6.1	6.5	7.3	7.1	7.3	8.9	8.6	8.7	10.3	9.7	10.1
3	6.5	6.2	6.5	7.2	6.9	7.1	8.7	8.3	8.6	10.4	9.8	10.2
4	6.8	5.7	6.3	---	---	---	8.6	8.4	8.5	11.4	9.7	10.4
5	6.5	6.1	6.3	7.7	7.3	7.6	8.7	8.1	8.5	12.0	11.2	11.7
6	6.4	5.8	6.2	7.7	7.6	7.7	8.6	8.3	8.5	12.0	11.3	11.7
7	6.2	5.5	5.9	8.0	7.6	7.8	8.6	8.3	8.5	11.6	11.1	11.4
8	6.0	5.7	5.9	8.2	7.5	7.9	8.8	8.4	8.8	11.8	11.0	11.4
9	6.2	5.7	5.9	8.6	7.3	8.0	9.5	8.8	9.2	11.9	11.4	11.7
10	5.8	5.5	5.7	7.8	7.3	7.6	9.9	9.3	9.6	11.8	11.1	11.5
11	5.7	5.4	5.6	7.6	7.2	7.5	10.2	9.2	9.7	11.6	10.6	11.3
12	5.7	5.4	5.6	8.0	7.3	7.7	10.8	9.8	10.4	11.4	10.5	11.0
13	5.8	5.5	5.7	8.4	7.6	8.1	10.3	9.3	10.0	10.7	10.2	10.5
14	5.8	5.5	5.7	8.6	7.9	8.4	11.1	9.6	10.6	10.8	10.1	10.5
15	6.1	5.5	5.8	8.6	7.6	8.4	11.4	10.7	11.2	11.3	10.6	11.0
16	6.3	5.6	6.0	8.6	8.1	8.4	11.1	10.4	10.8	11.7	11.3	11.5
17	6.4	6.1	6.3	8.5	8.1	8.4	10.6	9.2	10.2	11.8	11.2	11.6
18	6.5	5.9	6.3	8.5	8.3	8.4	10.9	10.2	10.6	12.1	11.0	11.9
19	6.3	6.1	6.2	8.8	8.4	8.7	11.1	10.4	10.8	12.0	10.6	11.1
20	6.3	6.0	6.2	8.4	7.9	8.2	11.0	10.6	10.9	12.2	10.9	11.8
21	6.5	6.1	6.4	8.7	8.1	8.4	11.7	10.8	11.3	12.3	10.9	11.6
22	6.6	6.1	6.4	9.2	8.2	8.8	11.7	9.5	10.9	13.5	12.3	12.9
23	7.2	6.5	6.9	8.5	8.1	8.3	10.9	9.1	9.7	13.5	12.8	13.3
24	7.6	7.1	7.4	8.9	8.3	8.5	11.1	10.1	10.8	13.5	13.2	13.5
25	7.7	7.2	7.6	8.9	8.7	8.9	11.0	9.2	9.8	13.5	12.2	12.9
26	7.2	6.9	7.2	9.1	8.7	9.0	10.5	9.6	10.0	12.8	12.0	12.6
27	7.2	6.9	7.1	8.9	8.5	8.8	9.5	9.1	9.3	12.5	12.1	12.3
28	7.3	6.8	7.1	8.9	8.6	8.8	9.9	8.9	9.3	12.4	11.4	11.9
29	7.5	7.2	7.4	9.0	8.7	8.9	9.9	9.3	9.7	11.8	11.2	11.6
30	7.5	7.3	7.4	8.7	8.3	8.5	9.8	9.3	9.5	11.9	11.2	11.7
31	7.5	7.2	7.4	---	---	---	9.6	9.3	9.5	11.2	10.5	11.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.4	10.0	10.3	10.8	10.4	10.7	10.4	10.2	10.4	8.6	8.1	8.3
2	10.4	9.1	10.0	11.1	10.3	10.7	10.4	9.9	10.2	9.0	7.9	8.4
3	10.5	8.9	9.7	10.9	10.3	10.6	10.1	9.7	9.9	9.1	8.1	8.7
4	10.7	7.0	9.6	10.9	10.1	10.7	10.0	9.7	9.9	8.6	7.9	8.3
5	8.6	6.9	7.6	10.5	9.6	10.2	10.0	9.6	9.9	8.3	7.6	8.0
6	10.3	8.3	9.6	10.0	9.3	9.8	9.8	9.2	9.6	8.3	7.6	7.9
7	11.7	10.4	11.1	9.2	8.5	8.8	9.7	9.4	9.6	8.7	8.0	8.3
8	11.8	11.1	11.5	9.2	8.7	8.9	9.5	9.2	9.4	8.6	7.9	8.3
9	11.5	10.8	11.3	9.3	8.8	9.1	9.1	8.8	9.0	8.7	7.7	8.2
10	11.2	10.7	11.1	10.2	9.3	9.6	8.9	8.7	8.9	8.7	8.0	8.4
11	11.0	10.7	10.9	10.3	9.5	10.0	9.0	8.6	8.8	8.6	7.6	8.1
12	11.0	10.5	10.9	10.1	9.8	9.9	8.7	8.1	8.4	7.7	6.9	7.4
13	11.1	10.9	11.1	10.2	9.9	10.1	8.4	7.9	8.1	7.6	7.0	7.4
14	11.3	11.0	11.1	10.2	9.8	10.1	8.0	7.3	7.6	7.5	7.2	7.3
15	11.5	11.0	11.3	10.1	9.8	10.0	7.4	6.8	7.2	7.5	6.3	7.0
16	11.5	10.9	11.2	10.3	10.0	10.2	7.3	6.8	7.0	6.7	6.1	6.4
17	10.9	10.4	10.7	10.7	10.0	10.3	9.4	6.8	8.1	7.2	6.4	6.8
18	10.5	10.2	10.4	10.2	9.6	9.9	9.8	9.2	9.5	7.4	6.8	7.1
19	10.4	10.2	10.4	10.2	9.7	9.9	9.9	9.4	9.7	7.4	6.9	7.3
20	10.4	10.1	10.3	10.8	9.4	10.0	10.2	9.6	9.9	7.5	7.0	7.3
21	10.4	10.1	10.4	10.0	9.3	9.7	10.2	9.8	10.1	7.6	7.3	7.5
22	10.4	10.1	10.3	10.1	9.6	9.9	10.2	9.8	10.1	7.6	7.2	7.5
23	10.5	10.1	10.4	10.0	9.6	9.9	9.9	9.3	9.7	8.5	7.1	7.7
24	10.3	9.7	10.0	10.3	9.9	10.1	9.5	9.2	9.4	7.5	6.6	7.0
25	10.0	9.7	9.9	10.8	10.1	10.4	9.6	9.2	9.4	7.2	6.6	6.9
26	10.2	9.9	10.2	11.0	10.7	10.9	9.5	9.2	9.4	7.0	6.6	6.8
27	10.3	10.0	10.2	10.9	10.6	10.8	9.3	9.0	9.2	7.3	7.0	7.2
28	10.7	10.2	10.5	10.7	10.4	10.6	9.6	8.7	9.1	7.2	6.8	7.1
29	---	---	---	10.7	10.1	10.4	9.4	8.7	9.1	7.9	6.9	7.4
30	---	---	---	10.4	10.0	10.3	9.0	8.6	8.8	7.5	6.9	7.3
31	---	---	---	10.5	10.1	10.4	---	---	---	7.1	6.6	6.9



## Santee River Basin

105

02161000 BROAD RIVER AT ALSTON, SC

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 downstream from Parr Shoals Dam, and at mi 200.2.

DRAINAGE AREA.--4,790 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1980 to current year.

REVISED RECORDS.--WRD SC-82-1: 1982(M).

GAGE.--Water-stage recorder. Altitude of gage is 210 ft (from topographic map).

REMARKS.--Records good. Regulation at low and median flow by powerplants above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,400 ft<sup>3</sup>/s Jan. 5, 1982, gage height 19.95 ft; minimum daily, 462 ft<sup>3</sup>/s, Nov. 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 44,900 ft<sup>3</sup>/s Mar. 18, gage height 16.78 ft; minimum daily, 1,190 ft<sup>3</sup>/s, Dec. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1340	1300	10200	6080	6380	8300	9530	6300	5890	5050	1460	1210
2	1350	1400	4700	8240	13200	6460	10100	4910	3270	5450	1980	1840
3	1330	1800	7090	13700	29100	6210	15900	5840	5240	5360	2940	2310
4	1750	3530	5420	16200	25700	6180	17000	5270	6080	5120	1770	2660
5	1980	4530	5300	6640	13800	6330	13800	7640	2880	5800	1960	2410
6	1800	4690	5320	6090	11400	8540	10200	8840	3490	5440	1890	3170
7	1300	4410	7990	5660	18300	18600	10900	5730	5090	5410	2190	3020
8	1440	1960	6220	5500	17900	21500	17400	6100	5900	5360	2780	2030
9	2530	2070	7820	5800	12500	16400	21200	6280	5960	4450	1940	2090
10	1720	2230	6050	5100	9590	15200	20400	6110	5980	2650	3340	2240
11	3360	2030	5950	3150	11900	8850	30500	5840	5950	2660	2700	1800
12	2380	2930	16700	4580	14200	7030	27200	5700	3110	2730	2690	1290
13	2500	2780	23800	3590	9600	6940	18600	5550	2840	3140	2650	1290
14	4200	2760	14300	3540	12600	6650	14000	5520	2700	2580	1510	1880
15	3730	3250	8920	3520	32100	6820	11800	5630	2510	2620	1290	2750
16	3650	2950	11200	3590	31600	6610	13400	5640	3410	1290	2320	2790
17	2200	2680	19800	2830	14500	14400	8530	5860	4150	1150	1350	2800
18	2000	2650	19000	4580	11000	40800	9410	5460	3910	3710	1300	2210
19	1800	3750	6550	5670	7810	43200	8220	9120	3510	4680	2200	1290
20	1600	2790	5850	2840	6500	28300	10600	5850	4610	1930	1870	1320
21	1500	2910	6260	4270	6520	19500	9010	12400	4900	1520	1530	1480
22	1400	3420	6300	11300	6480	16300	8560	10600	4590	2660	2800	1900
23	1300	3460	6080	19400	13600	12300	7120	14000	3710	2000	1330	1870
24	1300	2680	6440	26300	20000	13900	6810	10300	3570	1880	1300	1830
25	1600	2500	6340	24400	13100	10400	15400	8640	3390	1930	2750	1860
26	1900	2300	1190	12600	9510	14300	15900	6860	3430	2970	1710	3060
27	2770	2200	3510	12400	7960	12800	11800	5750	4220	3970	1700	2070
28	3830	2100	5520	15300	8750	24800	11500	5770	3150	4040	2510	1960
29	3330	2000	5370	10200	---	31200	7950	5690	2720	2620	2310	1910
30	2000	3400	5810	6120	---	20300	6090	5920	3430	1250	2750	1890
31	1500	---	6050	6500	---	14400	---	6080	---	1250	1540	---
TOTAL	66390	83460	257050	265690	395600	473520	398830	215200	123590	102670	64360	62230
MEAN	2142	2782	8292	8571	14130	15270	13290	6942	4120	3312	2076	2074
MAX	4200	4690	23800	26300	32100	43200	30500	14000	6080	5800	3340	3170
MIN	1300	1300	1190	2830	6380	6180	6090	4910	2510	1150	1290	1210
CAL YR 1982	TOTAL	2217690	MEAN	6076	MAX	51700	MIN	1160				
WTR YR 1983	TOTAL	2508590	MEAN	6873	MAX	43200	MIN	1150				



## SANTEE RIVER BASIN

02161500 BROAD RIVER AT RICHTEX, SC

LOCATION.--Lat 34°11'05", long 81°11'48", Richland County, Hydrologic Unit 03050106, on right bank 0.8 mi west of Richtex, 1.2 mi upstream from Little River, 10.2 mi downstream from Parr Shoals Dam, and at mile 191.2.

DRAINAGE AREA.--4,850 mi<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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Regulation at low and medium flow by powerplants above station.

AVERAGE DISCHARGE.--58 years, 6,226 ft<sup>3</sup>/s, 17.43 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 228,000 ft<sup>3</sup>/s Oct. 3, 1929, gage height, 30.7 ft (from floodmarks), on basis of computation of flow over Parr Shoals Dam; minimum daily, 149 ft<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 and maximum (\*).

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Feb. 4	1130	41,400	11.20	Mar. 29	1130	40,600	11.11
Feb. 15	1315	38,900	10.78	Apr. 11	2330	37,600	10.58
Mar. 19	0430	*48,400	*12.41				

Minimum daily, 1,230 ft<sup>3</sup>/s Sept. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1350	1690	9560	6010	6180	8390	9410	6170	5970	4690	1410	1230
2	1370	1940	5450	7770	12800	6550	9690	4970	3610	5340	2130	1850
3	1340	1940	7020	13200	29200	6310	15600	5830	5050	5230	2790	2100
4	1690	3000	5380	17100	27200	6260	18500	5320	6040	5220	2160	2810
5	2100	4080	5250	6680	13800	6400	14400	7680	3490	5420	2040	2670
6	1900	4210	5240	5970	11300	8630	11100	8760	3670	5350	2030	2630
7	1420	4040	7920	5580	18100	18800	10300	5740	4910	5250	2210	3260
8	1290	2180	7010	5390	18500	21800	18500	6030	5810	5220	2910	2310
9	2530	2000	7010	5640	12800	16600	22600	6260	5850	4630	2230	1840
10	1860	2200	6330	5080	9390	15400	21000	6130	5860	3100	2950	2370
11	3050	2020	5880	3350	11800	8500	30700	5910	5810	2960	3080	2090
12	2640	2560	14200	4490	13900	6880	29600	5760	3770	3070	2840	1280
13	2460	2930	26900	3910	9710	6480	19300	5640	2990	3330	2800	1290
14	3940	2770	16400	3720	12300	6220	14000	5630	3070	3010	1830	1760
15	3400	3020	9070	3710	32800	6360	11600	5720	2810	2970	1310	2810
16	3790	3100	10600	3760	33200	6180	13000	5760	3550	1720	2160	2860
17	2180	2730	19200	3280	15600	14700	8990	5870	4140	1280	1620	2890
18	1980	2720	19600	4240	11100	42900	8580	5530	4190	3180	1310	2510
19	2020	3220	7250	5480	7400	46700	8250	9090	3520	4600	1840	1300
20	2000	3190	5770	3400	6480	30500	10100	5980	4540	2430	1910	1330
21	1940	2720	6080	4190	6280	20400	8670	12000	4790	1630	1580	1420
22	1940	3260	6190	10700	6270	17700	8440	10700	4630	2370	3020	2010
23	1910	3380	5960	19500	12600	11400	7040	13800	3860	2510	1500	1990
24	1940	2880	6270	27400	20300	13800	6590	10500	3760	2040	1370	1940
25	1930	2720	6250	25700	13400	11900	14400	8660	3580	2150	2780	1960
26	1930	2710	1820	12900	9600	14400	16600	6980	3620	2820	1530	2810
27	2210	2720	3160	12100	8050	12900	11500	5750	4160	3860	1750	2340
28	3840	2670	5540	14900	8880	24200	11200	5770	3540	3930	2200	2100
29	3340	2670	5240	10300	---	32500	8350	5680	3000	2990	2470	2030
30	2010	3220	5750	5970	---	20800	5980	5830	3430	1280	2330	2000
31	1900	---	6010	6270	---	14800	---	6030	---	1260	1870	---
TOTAL	69200	84690	259310	268190	398940	485360	403990	215480	127020	105040	65960	63810
MEAN	2232	2823	8365	8651	14250	15660	13470	6951	4234	3388	2128	2127
MAX	3940	4210	26900	27400	33200	46700	30700	13800	6040	5420	3080	3260
MIN	1290	1890	1820	3280	6180	6180	5980	4970	2810	1260	1310	1230
CFS*	.46	.58	1.73	1.78	2.94	3.23	2.78	1.43	.87	.70	.44	.44
IN.	.53	.65	1.99	2.06	3.06	3.72	3.10	1.65	.97	.81	.51	.49
CAL YR 1982	TOTAL	2352000	MEAN	6444	MAX	53900	MIN	1110	CFSM	1.33	IN	18.04
WTR YR 1983	TOTAL	2546990	MEAN	6978	MAX	46700	MIN	1230	CFSM	1.44	IN	19.54

02161700 WEST FORK LITTLE RIVER NEAR SALEM CROSSROADS, SC

LOCATION.--Lat 34°27'08", long 81°15'45", Fairfield County, Hydrologic Unit 03050106, at Road 346 bridge, 3.0 mi northeast of Salem Crossroads and 12.0 mi northwest of Winnsboro.

DRAINAGE AREA.--25.5 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1980 to current year. Records for October 1980 to September 1982 are unreliable below 700 ft<sup>3</sup>/s and should not be used.

GAGE.--Water-stage recorder. Altitude of gage is 327 ft (from topographic map).

REMARKS.--Records poor. No gage-height record Oct. 1 to Jan. 10.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,710 ft<sup>3</sup>/s Jan. 4, 1982, gage height, 8.54 ft; no flow July 5-11, 1982, many days in July to Sept. 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,520 ft<sup>3</sup>/s Mar. 17, gage height, 8.35 ft; no flow many days in July to September.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	6.4	35	210	25	43	53	11	7.1	.37	.00	.00
2	6.0	15	31	110	189	33	71	11	7.2	.72	.00	.00
3	4.5	37	18	64	96	27	77	10	6.5	.36	.00	.00
4	4.6	12	16	40	46	24	46	19	6.5	3.6	.00	.00
5	4.8	9.4	30	31	36	23	37	12	6.3	9.5	4.3	.00
6	4.2	7.6	33	27	127	203	33	9.8	6.3	9.4	1.4	.00
7	5.0	7.2	17	24	149	111	45	9.8	6.6	3.8	5.5	.00
8	8.0	6.8	13	22	65	58	222	11	7.9	3.3	8.0	.00
9	9.0	7.0	16	24	46	44	226	11	6.3	3.1	3.0	.00
10	6.5	8.0	20	27	48	35	132	9.1	6.3	2.4	.65	.00
11	5.0	13	310	29	123	30	73	8.5	6.3	1.1	.12	.00
12	10	17	70	24	62	26	52	8.3	6.3	.63	1.3	.00
13	26	11	40	21	44	23	41	8.2	5.5	.34	1.6	.00
14	17	8.0	30	20	363	22	34	11	4.7	.28	.10	.00
15	8.0	8.5	110	19	194	21	41	8.5	4.7	.26	.00	.00
16	5.5	9.0	60	17	70	20	39	9.3	4.9	.14	.00	.00
17	4.7	9.5	36	16	52	728	28	8.3	4.4	.14	.00	.00
18	4.7	10	31	15	43	735	26	7.3	4.6	.14	.00	.00
19	5.2	11	28	15	37	118	24	8.1	4.9	.14	.00	.00
20	6.0	9.5	25	14	30	59	21	9.2	4.5	.14	.00	.00
21	7.0	10	22	38	27	121	19	8.5	4.1	.10	.00	.00
22	6.2	9.5	20	269	28	60	18	7.8	3.6	.00	.00	.00
23	5.8	9.0	19	164	146	42	18	12	3.4	.00	.00	.00
24	11	8.6	18	95	78	40	23	9.8	3.2	.00	.00	.00
25	8.0	8.4	17	54	51	81	20	7.8	2.9	.00	.00	.00
26	6.5	8.6	17	40	40	92	16	7.3	1.5	.00	1.6	.00
27	5.7	9.0	16	33	33	111	14	6.9	.92	.00	.19	.00
28	5.5	13	18	61	31	82	13	6.7	.54	.00	.00	.00
29	5.5	25	22	43	---	49	13	6.9	.42	.00	.00	.00
30	5.6	70	27	34	---	42	12	7.2	.30	.00	.00	.00
31	5.8	---	40	28	---	61	---	6.6	---	.00	.00	---
TOTAL	219.3	394.0	1205	1628	2279	3164	1487	287.9	138.68	39.96	27.76	.00
MEAN	7.07	13.1	38.9	52.5	81.4	102	49.6	9.29	4.62	1.29	.90	.000
MAX	26	70	310	269	363	735	226	19	7.9	9.5	8.0	.00
MIN	2.0	6.4	13	14	25	20	12	6.6	.30	.00	.00	.00
CAL YR 1982	TOTAL	6711.79	MEAN	18.4	MAX	360	MIN	.00				
WTR YR 1983	TOTAL	10870.60	MEAN	29.8	MAX	735	MIN	.00				

## SANTEE RIVER BASIN

02162010 CEDAR CREEK NEAR BLYTHEWOOD, SC

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 above Williams Branch, 8.0 mi southwest of Blythewood, and at mile 6.9.

DRAINAGE AREA.--48.9 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Altitude of gage is 240 ft (from topographic map).

REMARKS.--Records fair.

AVERAGE DISCHARGE.--16 years (water years 1968-83), 49.3 ft<sup>3</sup>/s 13.69 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft<sup>3</sup>/s July 4, 1968, gage height, 18.42 ft; minimum daily, 0.66 ft<sup>3</sup>/s Oct. 5, 6, 1968.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Feb. 14	1445	1,520	8.75	Mar. 17	2000	*4,000	*16.22
Feb. 23	0315	1,010	7.11	Mar. 21	0745	1,250	7.85
Mar. 6	1400	1,340	8.13	Apr. 8	2045	3,350	14.42

Minimum daily, 1.4 ft<sup>3</sup>/s Sept. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	5.2	12	36	26	129	125	31	11	47	3.4	3.0
2	5.4	5.4	13	129	338	76	239	29	11	14	4.3	5.4
3	5.6	5.9	11	148	130	55	176	29	11	10	7.1	5.8
4	5.8	13	11	52	52	44	87	49	10	13	8.2	5.6
5	5.6	17	11	36	35	40	65	33	11	27	7.9	5.4
6	5.4	7.7	12	34	104	513	56	29	29	75	6.0	4.0
7	5.2	5.8	12	27	117	209	188	26	16	17	6.0	1.5
8	5.5	5.4	9.5	25	53	98	1270	25	19	11	6.5	1.4
9	6.2	5.2	8.3	23	38	73	827	25	15	9.4	5.9	2.2
10	7.0	5.5	8.5	27	37	59	309	23	11	8.7	5.2	2.0
11	5.8	5.6	9.7	25	156	51	128	23	9.9	8.2	4.6	1.8
12	6.0	6.0	139	23	66	45	82	22	9.1	7.7	4.6	6.7
13	6.4	15	30	21	43	38	65	21	8.2	7.3	5.4	2.6
14	8.0	15	20	20	786	35	55	21	7.6	7.2	4.1	21
15	15	10	17	20	278	32	74	20	7.5	7.1	3.4	14
16	7.0	7.4	64	20	113	24	95	20	7.0	6.8	11	7.3
17	5.8	6.8	30	20	72	1810	54	21	6.8	6.5	4.6	4.7
18	5.4	6.9	21	19	58	1310	46	19	5.3	6.8	3.5	5.5
19	5.0	7.1	18	19	48	197	44	19	5.1	14	3.5	5.1
20	4.9	7.4	18	18	37	95	40	19	5.4	7.6	3.8	4.4
21	5.0	7.3	17	55	34	525	38	18	5.8	4.8	3.4	3.9
22	4.9	7.5	16	334	73	125	36	18	6.5	8.2	2.8	3.7
23	4.7	7.3	15	119	481	72	36	17	6.4	4.9	2.7	3.5
24	4.6	7.5	15	69	124	66	93	16	6.2	3.6	2.6	3.4
25	4.7	7.6	15	44	72	143	88	16	6.0	4.8	2.4	3.3
26	6.9	6.4	15	41	51	126	49	15	5.8	6.5	2.7	3.3
27	6.2	5.8	15	36	42	380	41	14	6.5	2.3	5.3	3.2
28	5.2	5.8	16	76	40	206	37	13	6.6	2.5	4.2	3.2
29	5.0	7.7	30	46	---	97	34	13	6.1	2.8	3.7	3.3
30	5.2	14	34	35	---	72	32	13	67	3.1	2.9	3.5
31	5.2	---	54	29	---	189	---	12	---	3.2	2.9	---
TOTAL	183.8	240.2	717.0	1626	3504	6934	4509	669	338.8	358.0	144.6	143.7
MEAN	5.93	8.01	23.1	52.5	125	224	150	21.6	11.3	11.5	4.66	4.79
MAX	15	17	139	334	786	1810	1270	49	67	75	11	21
MIN	4.6	5.2	8.3	18	26	24	32	12	5.1	2.3	2.4	1.4
CFSM	.12	.16	.47	1.07	2.56	4.58	3.07	.44	.23	.24	.10	.10
IN.	.14	.18	.55	1.24	2.67	5.27	3.43	.51	.26	.27	.11	.11
CAL YR 1982	TOTAL	16879.9	MEAN	46.2	MAX	1290	MIN	4.6	CFSM	.95	IN	12.84
WTR YR 1983	TOTAL	19368.1	MEAN	53.1	MAX	1810	MIN	1.4	CFSM	1.09	IN	14.73

## SANTÉE RIVER BASIN

109

02162093 SMITH BRANCH AT NORTH MAIN STREET, COLUMBIA, SC

LOCATION.--Lat 34°01'38", long 81°02'31", Richland County, Hydrologic Unit 03050106, on left bank, 15 ft upstream from culvert opening at North Main Street in Columbia.

DRAINAGE AREA.--5.67 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Altitude of gage is 200 ft (from topographic map).

REMARKS.--Records good, except period of no gage-height record Oct. 27-31 and Nov. 1-22, which is poor.

AVERAGE DISCHARGE.--7 years, 9.28 ft<sup>3</sup>/s, 22.66 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,950 ft<sup>3</sup>/s July 4, 1983, gage height, 11.00 ft; minimum, 0.46 ft<sup>3</sup>/s Aug. 1, 2, 4, 5, 11-14, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1950 ft<sup>3</sup>/s July 4, gage height, 11.00 ft; minimum daily, 0.88 ft<sup>3</sup>/s Aug. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	1.9	3.2	7.1	3.9	31	12	4.5	2.6	4.5	1.4	4.3
2	2.2	2.5	2.4	50	53	6.4	24	4.4	1.6	2.5	1.6	8.8
3	2.4	10	2.4	11	5.7	5.3	11	17	1.6	63	1.6	1.4
4	2.8	3.0	2.4	6.0	4.5	4.9	9.2	6.4	1.5	214	1.4	1.3
5	2.8	2.5	2.8	5.9	4.1	4.7	8.8	4.4	1.5	27	1.6	1.3
6	2.5	2.2	3.5	5.1	20	132	20	4.2	5.0	4.0	1.4	1.4
7	2.2	2.1	2.1	4.9	5.5	15	37	4.3	18	2.4	1.4	1.3
8	5.0	2.1	2.2	4.6	4.4	8.8	209	4.8	3.2	2.0	1.6	1.4
9	2.0	2.4	2.4	12	5.3	7.3	86	4.3	1.7	2.0	1.1	1.6
10	1.8	2.2	2.5	4.7	19	6.5	29	3.6	1.6	1.7	1.1	1.4
11	1.9	3.0	23	4.2	10	6.0	14	3.5	1.5	2.5	1.2	1.4
12	2.0	6.5	56	4.0	4.6	5.8	11	3.6	1.4	1.6	1.1	1.4
13	33	2.5	4.1	3.9	23	5.4	9.4	3.7	1.4	1.5	.90	27
14	4.4	2.2	3.3	4.0	83	5.3	9.3	3.4	1.2	19	.88	38
15	2.2	2.1	4.4	4.0	9.3	5.3	19	3.0	1.3	1.8	.97	1.8
16	2.1	2.0	25	4.1	6.7	5.7	8.1	3.4	1.2	1.5	1.1	1.8
17	2.1	2.1	3.8	4.3	5.9	301	6.8	2.8	1.3	1.5	1.2	1.7
18	2.2	2.0	3.3	4.3	5.1	32	7.7	2.8	1.3	11	1.2	1.5
19	2.2	2.1	4.9	4.0	4.9	13	6.1	3.0	1.3	2.0	1.3	1.5
20	2.2	2.5	3.5	4.2	4.6	18	5.7	3.1	1.3	1.7	1.2	2.5
21	14	2.3	3.4	58	4.5	30	5.4	2.8	1.3	1.8	1.2	3.7
22	2.1	2.1	3.3	15	69	9.6	5.4	2.7	1.2	1.7	1.3	1.5
23	1.8	2.2	3.4	9.5	19	8.8	32	2.6	1.2	1.8	1.3	1.4
24	2.9	2.3	3.5	5.8	6.6	24	21	2.5	1.4	3.1	6.9	1.4
25	5.0	2.2	3.5	4.9	5.3	14	7.6	2.7	1.3	20	1.4	1.3
26	2.1	2.4	3.5	4.0	4.8	9.6	5.8	2.6	1.3	2.1	1.3	1.4
27	1.9	2.4	3.7	14	4.8	40	5.2	2.3	1.3	1.8	1.3	1.4
28	1.8	2.8	6.5	7.7	25	12	5.1	2.3	1.3	1.8	1.3	1.4
29	1.8	3.7	32	4.0	---	9.9	4.9	2.2	1.4	1.8	1.2	1.3
30	1.9	19	13	3.9	---	9.8	4.7	2.1	4.5	1.5	1.3	1.4
31	2.0	---	8.9	3.8	---	41	---	2.1	---	1.5	1.5	---
TOTAL	117.3	99.3	241.9	282.9	421.5	828.1	640.2	117.1	67.7	406.1	45.25	119.0
MEAN	3.78	3.31	7.80	9.13	15.1	26.7	21.3	3.78	2.26	13.1	1.46	3.97
MAX	33	19	56	58	83	301	209	17	18	214	6.9	38
MIN	1.8	1.9	2.1	3.8	3.9	4.7	4.7	2.1	1.2	1.5	.88	1.3
CAL YR 1982	TOTAL	3220.30	MEAN	8.82	MAX	107	MIN	1.8				
WTR YR 1983	TOTAL	3386.35	MEAN	9.28	MAX	301	MIN	.88				



LOCATION.--Lat 35°07'12", long 82°32'16", Greenville County, Hydrologic Unit 03050109, at Road 41 bridge, 3.9 mi north of Cleveland, and 5.0 mi east of Caesars Head.

DRAINAGE AREA.--21.0 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1980 to current year, discharge below 720 ft<sup>3</sup>/s only.

GAGE.--Water-stage recorder. Altitude of gage is 1,078 ft (from topographic map).

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.71 ft during period Jan. 21 - Feb. 2, 1983 (from indicator); minimum daily discharge, 10 ft<sup>3</sup>/s, Oct. 3, 8, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.71 ft during period Jan. 21 - Feb. 2, 1983 (from indicator); minimum daily discharge, 15 ft<sup>3</sup>/s, Aug. 30-31, Sept. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	23	95	83	73	76	98	83	76	57	26	15
2	20	23	78	88	330	71	168	81	74	46	27	17
3	20	26	83	82	150	82	134	80	71	43	26	28
4	20	50	75	75	115	89	117	78	70	47	27	47
5	20	31	191	72	102	75	126	76	67	44	28	28
6	20	27	140	69	115	194	146	74	66	38	38	31
7	22	27	97	66	102	122	132	72	66	36	31	22
8	38	26	79	64	94	128	179	76	64	36	26	19
9	25	26	70	62	89	105	215	70	60	35	25	19
10	30	25	64	67	100	95	220	68	58	34	23	18
11	31	25	69	62	112	91	163	66	57	36	22	17
12	26	50	95	59	95	86	144	67	55	34	22	19
13	161	51	71	57	89	82	132	76	54	32	21	23
14	47	36	64	56	95	79	132	79	51	31	20	25
15	32	32	91	55	88	76	134	66	51	31	20	19
16	28	31	184	52	85	74	117	82	54	31	20	18
17	26	30	103	51	82	100	100	66	55	29	22	17
18	25	34	88	49	79	122	100	64	51	29	20	17
19	25	42	80	47	75	100	97	172	50	28	19	16
20	25	39	74	47	72	95	95	359	50	28	18	28
21	25	48	67	88	70	159	90	217	47	28	17	121
22	24	47	64	380	108	102	95	184	47	26	17	35
23	23	40	60	200	146	89	115	150	47	26	16	25
24	23	37	60	120	103	89	140	122	45	26	16	22
25	28	34	91	100	91	86	120	108	43	34	20	20
26	25	33	82	90	82	89	105	103	42	28	19	19
27	27	34	75	86	78	202	97	94	42	26	17	19
28	23	49	157	82	78	142	93	88	45	25	17	18
29	23	122	140	82	---	117	89	86	43	25	16	17
30	23	66	103	78	---	107	86	82	59	24	15	17
31	23	---	91	74	---	110	---	78	---	23	15	---
TOTAL	929	1164	2881	2643	2898	3234	3779	3167	1660	1016	666	756
MEAN	30.0	38.8	92.9	85.3	104	104	126	102	55.3	32.8	21.5	25.2
MAX	161	122	191	380	330	202	220	359	76	57	38	121
MIN	20	23	60	47	70	71	86	64	42	23	15	15
WTR YR 1983	TOTAL	24793	MEAN	67.9	MAX	380	MIN	15				

## SANTÉE RIVER BASIN

111

02162525 HAMILTON CREEK NEAR EASLEY, SC

LOCATION.--Lat 34°50'10", long 82°33'09", Pickens County, Hydrologic Unit 03050109, on Route 135, 4.6 mi northeast of Easley and 0.6 mi upstream of Georges Creek.

DRAINAGE AREA.--1.60 mi<sup>2</sup>.

PERIOD OF RECORD.--February 1981 to current year, discharge below 25 ft<sup>3</sup>/s only.

GAGE.--Water-stage recorder. Altitude of gage is 890 ft (from topographic map).

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.11 ft May 20, 1982; minimum daily discharge, 0.54 ft<sup>3</sup>/s Oct. 7, 8, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20 ft<sup>3</sup>/s Feb. 22, gage height, 2.62 ft; minimum daily, 0.95 ft<sup>3</sup>/s Aug. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.6	3.7	2.6	2.6	3.8	3.3	2.1	2.4	2.8	1.7	1.0
2	1.0	1.7	2.6	3.1	4.8	3.7	3.5	2.0	2.3	2.2	1.7	1.3
3	1.0	1.7	2.4	3.5	3.3	3.6	3.2	2.0	2.3	2.0	1.5	2.4
4	1.1	2.7	2.3	3.0	3.1	3.5	3.1	1.9	2.3	1.9	1.5	2.0
5	1.2	1.8	2.8	2.7	3.1	3.8	3.2	1.9	2.3	1.8	1.4	1.7
6	1.2	1.8	2.4	2.6	3.8	4.5	3.4	1.8	2.3	1.7	1.4	1.6
7	1.4	1.8	2.3	2.5	3.3	3.7	3.3	2.0	2.3	1.6	1.5	1.4
8	1.9	1.8	2.1	2.5	3.2	3.5	3.7	2.4	2.3	1.6	1.5	1.4
9	1.5	1.8	2.0	2.4	3.2	3.3	4.9	2.7	2.2	1.5	1.4	1.3
10	1.5	1.7	2.3	2.3	3.4	3.2	4.0	2.6	2.2	1.4	1.4	1.2
11	1.7	1.7	3.8	2.3	3.4	3.1	3.7	2.4	2.2	1.5	1.3	1.2
12	1.6	2.3	7.0	2.3	3.2	3.0	3.4	2.4	2.2	1.6	1.4	2.2
13	3.4	1.9	4.1	2.2	3.0	2.8	3.3	2.6	2.2	1.8	1.3	1.7
14	1.6	1.8	4.0	2.1	3.0	2.8	3.1	2.7	2.2	1.7	1.3	1.4
15	1.6	1.5	4.4	2.1	2.9	2.7	3.0	2.4	2.1	1.6	1.3	1.3
16	1.5	1.5	5.4	2.1	2.8	2.7	2.8	3.0	2.6	1.6	1.2	1.2
17	1.4	1.6	4.1	2.0	2.7	3.3	2.8	2.7	2.3	1.5	1.2	1.1
18	1.3	1.8	3.7	2.0	2.6	3.1	2.9	2.7	2.3	1.5	1.2	1.0
19	1.2	2.1	3.5	1.9	2.6	2.9	2.8	3.1	2.3	1.4	1.1	1.4
20	1.1	1.8	3.3	1.8	2.5	3.0	2.7	3.9	2.2	1.4	1.1	2.2
21	1.1	1.9	3.1	2.7	2.9	4.8	2.6	3.4	2.1	1.6	1.0	3.5
22	1.2	1.9	3.0	4.8	5.2	3.2	2.8	3.0	2.1	1.5	.95	1.4
23	1.3	1.8	2.9	4.6	7.1	3.1	3.4	2.9	2.0	1.5	1.0	1.3
24	1.5	1.6	2.9	3.7	5.7	3.5	2.9	2.7	2.0	1.4	1.1	1.3
25	1.7	1.5	3.0	3.2	4.9	3.5	2.8	2.6	1.9	1.6	2.2	1.2
26	1.5	1.6	3.3	2.8	4.3	3.5	2.5	2.5	1.9	1.7	1.7	1.1
27	1.5	1.8	3.2	2.8	4.0	7.0	2.4	2.5	1.9	1.5	1.4	1.1
28	1.4	2.0	3.2	2.7	3.9	4.5	2.3	2.5	2.3	1.5	1.1	1.0
29	1.4	3.2	3.0	2.7	---	4.0	2.2	2.5	2.0	1.5	1.0	.98
30	1.5	2.4	2.7	2.8	---	3.6	2.1	2.4	2.0	1.5	1.1	.96
31	1.5	---	2.6	2.6	---	3.5	---	2.3	---	1.4	1.0	---
TOTAL	44.9	56.1	101.1	83.4	100.5	110.2	92.1	78.6	65.7	50.8	40.95	43.84
MEAN	1.45	1.87	3.26	2.69	3.59	3.55	3.07	2.54	2.19	1.64	1.32	1.46
MAX	3.4	3.2	7.0	4.8	7.1	7.0	4.9	3.9	2.6	2.8	2.2	3.5
MIN	1.0	1.5	2.0	1.8	2.5	2.7	2.1	1.8	1.9	1.4	.95	.96
CAL YR 1982	TOTAL 933.80	MEAN 2.56	MAX 18	MIN 1.0								
WTR YR 1983	TOTAL 868.19	MEAN 2.38	MAX 7.1	MIN .95								

## Santee River Basin

02163500 SALUDA RIVER NEAR WARE SHOALS, SC

LOCATION.--Lat 34°23'12", long 82°13'20", Greenwood County, Hydrologic Unit 03050109, on right bank 2.0 mi southeast of Ware Shoals, 2.5 mi downstream from Ware Shoals Dam, 5.0 mi upstream from Turkey Creek, and at mile 83.7.

DRAINAGE AREA.--581 mi<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 (by barometer).

REMARKS.--Records fair. Some regulation at low and medium flow by powerplants upstream. Capacity of reservoirs insufficient to affect monthly figures of runoff. About 41,750,000 gal per day or 63.7 ft<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.--45 years, 1,021 ft<sup>3</sup>/s, 23.86 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,700 ft<sup>3</sup>/s Sept. 14, 1973, gage height, 22.85 ft, from rating curve extended above 14,000 ft<sup>3</sup>/s on basis of computation of peak flow over dam; minimum, 3 ft<sup>3</sup>/s Sept. 18, 1939; minimum daily, 11 ft<sup>3</sup>/s Oct. 12, 19, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,390 ft<sup>3</sup>/s Apr. 10, gage height, 9.24 ft, no peaks above base of 5,000 ft<sup>3</sup>/s; minimum daily, 234 ft<sup>3</sup>/s Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	310	425	1230	872	899	1110	1630	1150	1220	685	482	468
2	296	408	1420	1440	1200	1060	1560	1240	1330	707	581	435
3	260	601	1200	1540	2300	973	1720	1160	1300	854	516	390
4	234	443	1070	1250	2200	939	1820	1180	1150	744	541	462
5	239	496	1050	987	1490	931	1610	1110	954	784	741	571
6	244	445	1100	886	1430	1350	1520	1140	675	1030	648	817
7	283	535	1360	844	1600	1910	1880	1000	688	912	380	692
8	546	618	1370	754	1830	2010	2080	996	1170	568	506	463
9	295	506	1000	765	1440	1870	2690	1120	955	603	518	491
10	322	489	894	823	1190	1730	4110	1060	878	441	525	492
11	575	395	719	716	1300	1390	3210	1040	895	477	543	461
12	563	565	2560	711	1480	1100	2420	1130	801	680	527	404
13	509	607	2120	659	1470	856	2030	1180	856	386	674	340
14	923	477	1560	699	1770	1030	1800	1140	876	396	463	434
15	1250	603	1120	614	1680	987	1780	1130	798	523	391	617
16	805	604	1270	673	1240	952	1630	1250	780	548	427	477
17	691	679	2070	674	1210	1110	1470	1590	719	505	470	481
18	745	564	1680	583	996	1390	1480	1370	887	585	423	449
19	832	430	1270	722	869	1440	1410	1190	860	652	422	373
20	428	576	1060	662	1040	1370	1380	1380	917	498	405	251
21	311	545	933	658	944	1510	1340	3430	936	541	331	303
22	490	677	782	854	970	1940	1090	2820	708	570	307	659
23	352	683	785	2550	2290	1660	1210	2290	885	528	360	906
24	234	387	744	2370	2880	1390	1820	2020	736	480	364	625
25	448	414	722	1780	1940	1520	2110	1770	676	493	377	409
26	521	393	733	1290	1480	1500	1700	1610	757	541	373	400
27	421	635	686	1130	1120	3040	1480	1400	701	539	639	480
28	348	622	886	1050	1190	3300	1370	1190	817	556	579	393
29	415	755	931	942	---	2540	1290	1090	734	551	382	425
30	435	692	1220	834	---	1900	1180	1110	808	503	388	369
31	369	---	1140	999	---	1730	---	1100	---	421	427	---
TOTAL	14694	16269	36685	31331	41448	47538	53820	43386	26467	18301	14710	14537
MEAN	474	542	1183	1011	1480	1533	1794	1400	882	590	475	485
MAX	1250	755	2560	2550	2880	3300	4110	3430	1330	1030	741	906
MIN	234	387	686	583	869	856	1090	996	675	386	307	251
CAL YR 1982	TOTAL	320238	MEAN 877	MAX 7780	MIN 234							
WTR YR 1983	TOTAL	359186	MEAN 984	MAX 4110	MIN 234							

## Santee River Basin

113

02165000 REEDY RIVER NEAR WARE SHOALS, SC

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 northeast of Ware Shoals, 6.0 mi downstream from Boyd Mill Dam, and at mile 8.7.

DRAINAGE AREA.--236 mi<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 National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, at site 4.1 mi upstream at datum 26.76 ft higher.

REMARKS.--Records poor. 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.--44 years, 352 ft<sup>3</sup>/s, 20.25 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft<sup>3</sup>/s Sept. 14, 1973, gage height 15.40 ft; minimum, 2.7 ft<sup>3</sup>/s July 6, 1967, gage height 0.42 ft; minimum daily, 4.8 ft<sup>3</sup>/s Sept. 9, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,100 ft<sup>3</sup>/s Mar. 28, gage height 8.60, no peak discharges above base of 2,500 ft<sup>3</sup>/s minimum daily, 15 ft<sup>3</sup>/s Aug. 19, 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	98	452	325	294	398	590	373	237	436	348	17
2	79	110	636	505	382	394	528	325	335	296	191	57
3	97	157	448	590	996	360	700	319	381	19	192	247
4	107	212	330	480	640	338	532	412	227	63	99	270
5	112	303	293	440	415	325	481	479	280	214	22	285
6	118	294	338	370	457	485	461	364	335	211	23	210
7	124	227	490	325	748	971	489	245	405	204	122	165
8	131	209	410	295	679	673	660	289	355	196	237	241
9	223	254	320	305	489	637	1170	389	312	172	222	156
10	241	276	250	312	425	469	1520	387	310	170	215	17
11	243	233	910	300	462	408	1690	426	285	104	131	71
12	263	159	810	285	573	376	854	326	300	33	20	244
13	224	221	640	272	423	351	620	218	315	114	18	159
14	319	363	490	250	726	335	529	221	290	112	228	103
15	410	299	400	245	1060	324	512	290	270	99	226	182
16	254	267	620	265	654	319	570	388	255	18	223	19
17	176	261	780	250	475	364	489	675	305	207	132	69
18	223	257	700	230	417	765	453	539	295	248	16	243
19	261	226	490	262	380	815	450	435	320	103	15	186
20	223	160	410	260	355	497	359	474	330	179	15	92
21	142	216	350	250	335	482	376	982	206	117	191	146
22	121	257	290	300	341	685	361	992	257	19	227	108
23	126	260	285	640	621	466	385	560	262	19	135	253
24	132	220	275	980	1420	438	732	478	225	248	16	252
25	204	166	265	610	741	556	872	390	177	254	55	206
26	252	164	260	482	502	639	549	377	176	88	210	21
27	247	164	255	409	429	1250	456	393	176	343	19	19
28	245	170	330	396	398	1820	412	233	178	368	146	100
29	217	274	405	363	---	1160	347	220	194	20	235	268
30	139	531	455	329	---	679	358	212	316	19	231	845
31	106	---	390	307	---	558	---	190	---	240	140	---
TOTAL	5834	7008	13777	11632	15837	18337	18505	12601	8309	4933	4300	5251
MEAN	188	234	444	375	566	592	617	406	277	159	139	175
MAX	410	531	910	980	1420	1820	1690	992	405	436	348	845
MIN	75	98	250	230	294	319	347	190	176	18	15	17
CFSM	.80	.99	1.88	1.59	2.40	2.51	2.61	1.72	1.17	.67	.59	.74
IN.	.92	1.10	2.17	1.83	2.50	2.89	2.92	1.99	1.31	.78	.68	.83

CAL YR 1982 TOTAL 140414 MEAN 385 MAX 4860 MIN 10 CFSM 1.63 IN 22.13  
WTR YR 1983 TOTAL 126324 MEAN 346 MAX 1820 MIN 15 CFSM 1.47 IN 19.91



## Santee River Basin

02166500 LAKE GREENWOOD NEAR CHAPPELLE, SC

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 upstream from Wilson Creek and 2.4 mi west of Chappells.

DRAINAGE AREA.--1,170 mi<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> between elevations 420.0 ft (limit of drawdown) and 440.0 ft (normal operating level) NGVD. Dead storage is about 3,500,000,000 ft<sup>3</sup>. Figures given herein represent usable contents. Elevation of spillway crest is 415.0 ft and elevation of top of 1-1/2 ft flashboards on top of spillway gates is 441.5 ft NGVD. Water is used for generation of power.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 442.02 ft Mar. 5, 1952; minimum elevation since normal reservoir level was first reached, 424.42 ft Oct. 16, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 439.96 ft May 23; minimum, 431.94 ft Feb. 1.

Capacity table (elevation, in feet) and usable contents  
(in billions of cubic feet)  
(prepared from capacity curve drawn by D. T. Duncan, Engineer)

431.0 ft	3.70 ft <sup>3</sup>
433.0 ft	4.51 ft <sup>3</sup>
436.0 ft	5.82 ft <sup>3</sup>
439.0 ft	7.18 ft <sup>3</sup>
442.0 ft	8.56 ft <sup>3</sup>

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	433.48	438.61	438.64	437.16	432.04	433.37	437.45	438.24	439.10	439.12	439.07	439.04
2	438.50	438.69	438.54	437.46	432.02	433.75	437.13	438.29	439.12	439.08	439.05	438.99
3	438.51	438.81	438.58	437.40	432.04	433.88	436.83	438.47	439.08	439.18	439.02	438.97
4	438.51	438.66	438.86	437.04	432.02	433.68	436.53	438.48	439.13	439.12	439.02	438.97
5	438.52	438.48	438.98	436.52	432.03	433.80	436.58	438.53	439.11	439.22	439.07	438.99
6	438.52	438.54	438.61	435.92	432.02	434.48	436.69	438.56	438.97	439.16	439.07	438.90
7	438.53	438.61	438.40	435.35	432.01	434.42	436.77	438.73	438.94	439.12	439.02	438.87
8	438.52	438.48	438.17	435.16	432.01	434.70	437.37	438.75	439.11	439.07	439.04	438.87
9	438.58	438.55	438.01	434.98	432.00	434.78	437.87	438.77	439.08	439.03	439.03	438.84
10	438.61	438.48	437.89	434.95	432.02	434.40	438.70	439.01	439.13	439.01	439.07	438.86
11	438.75	438.50	437.83	434.78	432.01	433.91	439.05	439.17	439.12	438.93	439.00	438.86
12	438.51	438.60	438.36	434.58	432.04	433.31	438.96	439.15	439.12	439.01	439.00	438.83
13	438.78	438.60	438.38	434.45	432.07	433.58	438.64	439.10	439.11	439.02	439.02	438.81
14	438.98	438.63	438.06	434.32	432.37	433.91	438.41	439.27	439.15	438.99	439.06	438.84
15	439.07	438.48	437.53	434.08	432.55	434.20	438.12	439.31	439.12	439.03	438.99	438.75
16	439.16	438.50	437.21	434.01	432.20	434.52	437.75	439.26	439.19	438.98	439.01	438.74
17	439.12	438.48	437.09	433.72	432.07	434.90	437.30	439.23	439.09	439.02	439.01	438.72
18	438.76	438.46	437.33	433.61	432.02	435.51	437.44	439.11	439.06	439.05	439.02	438.73
19	438.66	438.52	437.47	433.47	432.01	436.08	437.54	439.20	439.18	439.04	438.99	438.71
20	438.59	438.57	437.18	433.19	432.04	436.58	437.65	439.16	439.11	439.04	438.93	438.68
21	438.56	438.54	437.36	433.30	432.13	436.87	437.77	439.62	439.12	439.05	438.93	438.70
22	438.59	438.55	437.34	433.20	432.47	437.19	437.54	439.85	439.13	438.99	438.89	438.68
23	438.62	438.47	437.36	433.76	432.84	436.81	437.61	439.95	439.10	439.01	438.90	438.72
24	438.58	438.45	437.33	433.87	433.05	436.48	437.59	439.87	439.08	439.04	438.93	438.64
25	438.41	438.47	437.36	433.62	432.85	436.38	437.83	439.83	439.12	439.06	438.96	438.62
26	438.37	438.52	437.40	433.15	432.92	436.88	437.90	439.48	439.10	439.01	439.00	438.58
27	438.42	438.60	437.21	432.68	433.00	437.77	437.86	439.10	439.15	439.05	439.07	438.52
28	438.47	438.76	437.18	432.33	433.16	438.30	438.00	439.14	439.16	439.11	439.06	438.51
29	438.53	438.70	437.09	432.24	---	438.37	438.11	439.11	439.13	439.00	439.03	438.51
30	438.54	438.77	437.27	432.34	---	438.11	438.22	439.21	439.19	439.02	439.04	438.54
31	438.58	---	437.09	432.00	---	437.83	---	439.10	---	439.05	439.07	---
MAX	439.16	438.81	438.98	437.46	433.16	438.37	439.05	439.95	439.19	439.22	439.07	439.04
MIN	438.37	438.45	437.09	432.00	432.00	433.31	436.53	438.24	438.94	438.93	438.89	438.51
(+)	6.99	7.07	6.31	4.09	4.58	6.64	6.82	7.23	7.27	7.20	7.21	6.97
(*)	187	31	-284	-829	-203	769	69	153	15	-26	4	-93

CAL YR 1982 \* -11 MAX 440.07 MIN 432.74

WTR YR 1983 \* 15 MAX 439.95 MIN 432.00

(+) CONTENTS, IN BILLION OF CUBIC FEET, AT END OF MONTH.

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

SANTEE RIVER BASIN

115

02166970 NINETY-SIX CREEK NEAR NINETY-SIX, SC

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 southeast of Ninety-Six and 10.1 mi southeast of Greenwood.

DRAINAGE AREA.--17.4 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1980 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 425 ft.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,100 ft<sup>3</sup>/s Apr. 8, 1983, gage height, 10.28 ft; minimum daily, 0.11 ft<sup>3</sup>/s Sept. 30, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,100 ft<sup>3</sup>/s Apr. 8, gage height 10.28 ft; minimum daily, 0.11 ft<sup>3</sup>/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.66	1.8	21	26	11	65	30	7.6	4.9	6.4	.77	.23
2	.63	1.9	14	236	331	37	37	7.3	5.1	5.9	.99	.40
3	.63	2.5	11	144	53	30	26	7.4	4.9	4.8	1.6	.72
4	.60	14	9.2	22	18	29	16	11	4.9	4.7	1.0	.53
5	.60	11	15	13	14	27	12	8.1	13	3.9	.83	.35
6	.57	5.4	48	9.5	213	663	11	7.1	14	4.3	.71	.31
7	.60	4.4	15	7.8	115	88	12	6.7	24	3.3	.68	.29
8	.60	4.1	9.8	6.5	24	24	250	6.9	13	2.9	.61	.26
9	.57	4.1	7.3	9.1	18	16	426	51	8.2	2.7	.58	.24
10	.57	3.9	5.0	16	18	12	151	11	6.7	2.4	.55	.23
11	.60	4.0	22	9.8	40	10	27	8.5	6.2	2.2	.48	.21
12	1.6	4.5	536	7.3	22	11	16	6.6	5.9	2.1	.45	.20
13	1.4	24	28	5.9	18	10	13	5.3	5.7	2.0	.41	.19
14	1.1	9.4	11	5.4	527	10	11	7.9	5.6	1.8	.37	.26
15	1.5	6.3	8.8	5.3	210	10	59	5.8	5.7	1.7	.37	.26
16	1.6	4.9	108	4.7	33	8.9	26	17	5.6	1.6	.34	.20
17	2.4	4.3	18	4.6	25	135	13	9.8	5.3	1.4	.34	.17
18	23	4.4	9.4	4.9	21	194	12	6.4	5.6	3.4	.32	.16
19	7.9	4.6	8.1	4.5	20	28	11	6.8	6.2	1.8	.30	.14
20	1.3	4.3	8.3	4.5	19	19	9.7	8.0	5.7	1.6	.29	.19
21	1.4	4.0	6.0	47	19	168	9.1	6.8	5.6	1.4	.26	.28
22	1.3	3.9	4.9	367	80	24	8.8	6.2	5.6	1.2	.25	.25
23	1.3	3.4	4.5	313	558	18	20	6.6	6.1	1.1	.24	.20
24	1.3	3.0	4.3	102	70	24	45	5.9	5.6	.99	.22	.17
25	1.4	2.5	4.1	28	36	58	17	5.6	5.1	.92	.29	.16
26	1.9	2.4	3.8	18	29	30	11	5.3	4.7	1.1	.34	.16
27	1.8	3.4	3.6	18	28	141	9.5	5.1	4.4	.97	.29	.14
28	1.8	3.4	3.8	78	29	43	8.6	5.0	4.5	.83	.28	.14
29	1.8	28	240	20	---	21	8.1	5.1	4.9	.78	.24	.12
30	1.8	19	43	13	---	17	7.8	5.2	5.5	.73	.21	.11
31	1.8	---	110	11	---	58	---	5.0	---	.68	.20	---
TOTAL	66.03	196.8	1340.9	1561.8	2599	2028.9	1313.6	268.0	208.2	71.60	14.81	7.27
MEAN	2.13	6.56	43.3	50.4	92.8	65.4	43.8	8.65	6.94	2.31	.48	.24
MAX	23	28	536	367	558	663	426	51	24	6.4	1.6	.72
MIN	.57	1.8	3.6	4.5	11	8.9	7.8	5.0	4.4	.68	.20	.11
CAL YR 1982	TOTAL	8147.27	MEAN	22.3	MAX	810	MIN	.51				
WTR YR 1983	TOTAL	9676.91	MEAN	26.5	MAX	663	MIN	.11				

## SANTEE RIVER BASIN

02167000 SALUDA RIVER AT CHAPPELLE, SC

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 downstream from dam at Lake Greenwood, 9.8 mi upstream from Little River, and at mile 52.3.

DRAINAGE AREA.--1,360 mi<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 National Geodetic Vertical Datum of 1929. Oct. 1, 1926 to Sept. 30, 1939, nonrecording or recording gage at site 300 ft downstream at datum 363.79 ft above mean sea level. Oct. 1, 1939 to Oct. 7, 1964, recording gage at present site and at datum 363.89 ft above mean sea level.

REMARKS.--Records poor. Flow regulated by Lake Greenwood (see sta. 02166500).

AVERAGE DISCHARGE.--57 years, 1,965 ft<sup>3</sup>/s, 19.62 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63,700 ft<sup>3</sup>/s, Oct. 2, 1929, gage height 32.5 ft, present datum, from rating curve extended above 27,000 ft<sup>3</sup>/s on basis of velocity-area studies; minimum, 8 ft<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 (present site and datum), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,900 ft<sup>3</sup>/s Apr. 9, gage height, 15.72 ft; minimum 45 ft<sup>3</sup>/s Sept. 29; minimum daily, 171 ft<sup>3</sup>/s Oct. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	303	334	2550	2170	1410	1650	4790	1330	1320	2020	744	269
2	468	208	3000	2860	4190	860	4730	1720	2010	1730	1220	898
3	340	299	2250	5480	4970	1950	4760	1720	1430	737	935	966
4	301	1450	224	5130	4330	1550	4650	1950	1950	824	776	792
5	354	2180	1230	4740	2870	1350	2730	1340	1170	999	630	370
6	171	480	3530	4600	3770	4500	2200	1820	2020	918	559	1770
7	529	366	2210	4540	4480	7400	2390	688	1110	1320	672	1020
8	832	1420	1360	1830	3880	2450	4730	1770	1150	1210	520	620
9	556	470	1220	2100	3180	2700	7720	1680	1540	1050	607	880
10	371	1030	590	1900	2340	4600	6750	428	1020	816	488	600
11	353	549	2500	2200	2690	4400	5460	504	1270	989	583	700
12	1460	566	4300	2000	2670	4500	4970	2100	1080	438	657	1700
13	727	873	5700	1650	2820	1700	4770	1860	587	590	686	1490
14	771	913	4200	1720	5290	740	4590	1240	1360	740	316	283
15	1120	1450	4600	2100	6490	640	4800	1000	1290	680	744	891
16	837	662	4900	1500	5400	780	4870	2290	802	940	396	807
17	913	900	4830	2200	3800	1850	4720	2370	1630	560	476	469
18	2180	820	2270	1400	2430	1500	3250	3080	860	860	410	609
19	2020	470	1660	1600	1980	1150	3110	1060	1360	740	539	535
20	1120	410	2590	2300	1740	850	3110	2890	993	700	560	691
21	642	880	1440	1500	1860	2050	2790	3130	1610	551	320	610
22	354	940	1540	2000	2000	1500	2580	3210	1080	636	533	756
23	402	1300	1370	2600	3400	4550	4780	3230	814	529	412	951
24	428	600	1300	5800	5200	4590	4780	3230	1400	235	373	1070
25	1410	463	1260	5000	4500	4630	2740	2550	820	781	436	646
26	1110	356	1070	4600	3000	1120	2910	3620	708	668	402	507
27	487	361	1980	4400	2100	2780	2540	4360	1010	512	334	772
28	352	370	1480	4200	2300	5190	1180	1670	712	639	567	445
29	352	1370	2850	2500	---	4960	1870	1370	1360	799	572	519
30	363	2050	2170	1400	---	4680	1760	1640	1240	381	411	681
31	313	---	2840	3000	---	4780	---	1870	---	358	448	---
TOTAL	21939	24540	75014	91020	95090	87950	117030	62720	36706	24950	17326	23317
MEAN	708	818	2420	2936	3396	2837	3901	2023	1224	805	559	777
MAX	2180	2180	5700	5800	6490	7400	7720	4360	2020	2020	1220	1770
MIN	171	208	224	1400	1410	640	1180	428	587	235	316	269
CAL YR 1982	TOTAL	628637	MEAN	1722	MAX	20800	MIN	171				
WTR YR 1983	TOTAL	677602	MEAN	1856	MAX	7720	MIN	171				

## 02168500 LAKE MURRAY NEAR COLUMBIA, SC

LOCATION.--Lat 34°03'07", long 81°13'15", Lexington County, Hydrologic Unit 03050109, in intake tower 500 ft upstream from dam on Saluda River and 10.0 mi upstream from confluence of Saluda and Broad Rivers at Columbia.

DRAINAGE AREA.--2,420 mi<sup>2</sup>, approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 0.64 ft 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> between gage heights 300.0 ft (limit of drawdown) and 360.0 ft (maximum normal lake level). Dead storage, 21,800,000,000 ft<sup>3</sup>. Figures given herein represent usable contents. Gage height of one spillway crest (completed in 1946), 330 ft with top of gages 362 ft; gage height of other spillway crest, 340 ft with top of gages 365 ft. Water is used for generation of power.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 361.51 ft Apr. 10, 1936; minimum gage height since generation of power was started 320.96 ft Dec. 23, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 358.96 ft June 6; minimum gage height, 351.61 ft Sept. 30.

Capacity table (gage height, in feet),  
and usable contents (in billions of cubic feet)  
(Prepared by Lexington Water Power Co. from topographic map, contour survey,  
and study of change in reservoir elevation due to inflow)

350 ft	50.77 ft <sup>3</sup>
352 ft	54.30 ft <sup>3</sup>
356 ft	61.91 ft <sup>3</sup>
358 ft	66.00 ft <sup>3</sup>
360 ft	70.30 ft <sup>3</sup>

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	355.03	353.87	354.29	355.75	354.91	355.18	357.03	357.67	358.78	357.88	355.78	352.39
2	355.03	353.87	354.32	355.74	355.15	355.11	357.28	357.44	358.80	357.91	355.78	352.44
3	354.99	353.86	354.39	355.69	355.16	354.98	357.48	357.49	358.83	357.94	355.79	352.46
4	354.82	353.94	354.41	355.54	355.24	354.96	357.39	357.52	358.86	357.90	355.67	352.50
5	354.48	353.98	354.47	355.40	355.38	355.08	357.41	357.55	358.88	357.86	355.55	352.51
6	354.22	353.95	354.58	355.41	355.58	355.80	357.39	357.55	358.85	357.81	355.57	352.25
7	353.99	353.92	354.64	355.53	355.41	356.20	357.47	357.51	358.91	357.80	355.56	352.18
8	353.89	353.92	354.66	355.63	355.43	356.35	357.98	357.55	358.90	357.82	355.54	352.21
9	353.73	353.94	354.67	355.73	355.36	356.46	358.28	357.55	358.88	357.83	355.54	352.21
10	353.80	353.95	354.67	355.80	355.33	356.26	358.20	357.56	358.88	357.83	355.28	352.21
11	353.59	353.97	354.99	355.90	355.19	356.19	357.99	357.59	358.88	357.84	354.93	352.16
12	353.40	354.05	355.32	355.39	355.31	356.34	357.69	357.66	358.88	357.68	354.58	351.88
13	353.63	354.01	355.36	355.05	355.48	356.42	357.86	357.69	358.84	357.63	354.48	351.98
14	353.67	354.06	355.44	355.02	355.79	356.39	357.71	357.73	358.76	357.48	354.40	352.09
15	353.67	354.07	355.64	355.06	356.23	356.28	357.87	357.76	358.53	357.35	354.42	352.03
16	353.67	354.06	355.93	355.14	356.35	356.22	358.03	357.81	358.28	357.21	354.42	352.07
17	353.67	354.07	355.75	355.09	356.59	356.71	358.10	357.86	358.14	357.23	354.12	352.07
18	353.70	354.11	355.48	354.54	356.61	356.82	357.82	357.94	357.88	357.05	353.75	352.05
19	353.74	354.14	355.32	354.26	356.57	356.86	357.53	358.00	357.92	356.77	353.39	352.05
20	353.86	354.14	355.23	353.84	356.63	356.86	357.24	358.09	357.92	356.44	353.32	352.09
21	353.87	354.14	355.17	354.03	356.31	356.90	357.08	358.11	357.85	356.21	353.10	352.12
22	353.86	354.20	354.78	354.37	356.04	356.52	357.10	358.21	357.86	355.80	352.79	352.08
23	353.79	354.25	354.80	354.70	356.06	356.30	357.30	358.17	357.87	355.82	352.68	352.08
24	353.83	354.28	354.77	355.06	355.98	356.08	357.45	358.26	357.86	355.84	352.68	352.03
25	353.85	354.28	354.79	355.24	355.86	356.08	357.51	358.39	357.88	355.89	352.69	352.03
26	353.89	354.27	354.86	355.35	355.74	356.08	357.52	358.55	357.83	355.89	352.70	352.03
27	353.89	354.27	354.97	355.11	355.66	356.32	357.59	358.70	357.69	355.83	352.71	351.98
28	353.89	354.29	355.13	355.00	355.47	356.50	357.62	358.75	357.69	355.83	352.71	351.89
29	353.89	354.34	355.30	354.88	---	356.70	357.65	358.78	357.69	355.81	352.36	351.67
30	353.87	354.44	355.43	355.04	---	356.78	357.65	358.81	357.78	355.81	352.30	351.61
31	353.87	---	355.58	354.99	---	356.39	---	358.76	---	355.79	352.36	---
MAX	355.03	354.44	355.93	355.90	356.63	356.90	358.28	358.81	358.91	357.94	355.79	352.51
MIN	353.40	353.86	354.29	353.84	354.91	354.96	357.03	357.44	357.69	355.79	352.30	351.61
(+)	57.77	58.86	61.08	59.92	60.86	63.71	65.28	67.62	65.54	61.49	54.97	53.61
(*)	-833	421	829	-433	389	1,066	606	874	802	-1,512	-2,434	-525
CAL YR 1982	*	54	MAX 358.86	MIN 353.40								
WTR YR 1983	*	-203	MAX 358.91	MIN 351.61								

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.  
(\*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.



## SANTEE RIVER BASIN 02169000

## 02169000 SALUDA RIVER NEAR COLUMBIA, SC

LOCATION.--Lat 34°00'50", long 81°05'17", Richland County, Hydrologic Unit 03050109, on left bank 0.4 mi upstream from site of Old Saluda Mill, 1.6 mi upstream from confluence with Broad River and 3.3 mi west of State Capital in Columbia, and at mile 1.67.

DRAINAGE AREA.--2,520 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1925 to current year.

GAGE.--Water-stage recorder. Datum of gage is 149.46 ft National Geodetic Vertical Datum of 1929. Prior to Sept. 1, 1929, at same site at datum 150.46 ft above mean sea level.

REMARKS.--Records good. Flow regulated by Lake Murray (see sta 02168500) and Lake Greenwood (see sta 02166500).

AVERAGE DISCHARGE.--58 years, 2,900 ft<sup>3</sup>/s, 15.63 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,000 ft<sup>3</sup>/s Oct. 2, 1929, gage height, 15.22 ft, from rating curve extended above 36,000 ft<sup>3</sup>/s on basis of discharge measurements made at Wise Ferry Bridge near Chapin; minimum, 11 ft<sup>3</sup>/s July 13, 1930; minimum daily, 12 ft<sup>3</sup>/s July 13, 1930, caused by construction work above station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,000 ft<sup>3</sup>/s Apr. 8, gage height, 8.54 ft; minimum, 372 ft<sup>3</sup>/s June 5; minimum daily, 402 ft<sup>3</sup>/s June 3-5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	434	428	5820	523	4980	10700	3790	1220	1030	949	1090	475
2	433	428	3470	6970	6240	5690	2690	7840	504	758	699	489
3	430	430	1590	9890	10600	5210	1590	4100	402	619	799	470
4	903	820	817	11300	7850	2620	7860	906	402	1820	2810	468
5	7520	920	465	10500	949	576	4230	1310	402	2530	3750	476
6	9610	1750	471	4910	3580	1250	3870	1820	1250	1750	583	5090
7	5580	1210	1780	2980	10900	3270	3160	1780	975	455	487	2680
8	2450	669	1510	1270	7560	5490	11300	848	1020	448	496	1430
9	2430	435	2020	756	5170	2300	18600	1310	1260	446	683	784
10	1480	469	2170	2340	6680	9010	18000	1220	541	441	4210	483
11	3130	464	595	2260	8990	7430	16300	880	441	501	8840	592
12	4720	714	1660	11900	1390	1430	10500	643	441	3370	7200	5540
13	559	786	5910	8810	1800	886	7020	718	3360	2430	4400	1390
14	707	635	6590	4940	9500	2610	9210	1070	1130	3660	1080	1110
15	959	547	1560	801	5400	3450	4120	634	3810	2840	461	941
16	448	1030	1550	781	8420	2200	1920	992	5110	3120	463	965
17	431	522	7380	3490	1620	8920	3670	1100	5780	1550	4520	496
18	428	428	10800	9850	3230	12000	10700	781	7140	4200	7580	489
19	428	423	8340	10800	1940	5260	8780	473	1030	6440	9410	498
20	424	424	4730	10900	1440	2390	8850	754	1430	7180	2450	502
21	440	428	4100	5610	9760	8890	7180	1150	2870	7060	4610	516
22	466	428	7580	3820	10000	11500	1510	1510	801	8340	6880	518
23	474	486	3890	1960	9430	9990	644	3250	732	1690	4060	517
24	456	713	618	2000	10400	11800	664	835	708	1030	1110	508
25	452	512	451	3920	9570	8080	2000	727	786	1340	492	503
26	931	433	448	3760	7790	4320	3200	655	1640	817	449	1050
27	437	434	448	10000	4160	3580	1160	533	3020	742	454	1220
28	821	434	450	11400	8400	4880	1400	964	1410	638	452	1910
29	889	444	871	8190	---	2680	1410	1040	640	638	5420	3800
30	669	785	1570	1840	---	4760	1810	898	509	640	2340	1920
31	428	---	738	2680	---	5800	---	1640	---	654	1130	---
TOTAL	49967	18629	90392	171151	177749	168972	177138	43601	50574	69096	89408	37830
MEAN	1612	621	2916	5521	6348	5451	5905	1406	1686	2229	2884	1261
MAX	9610	1750	10800	11900	10900	12000	18600	7840	7140	8340	9410	5540
MIN	424	423	448	523	949	576	644	473	402	441	449	468
CAL YR 1982	TOTAL	1013748	MEAN	2777	MAX	19400	MIN	408				
WTR YR 1983	TOTAL	1144507	MEAN	3136	MAX	18600	MIN	402				

## SANTÉE RIVER BASIN

119

02169500 CONGAREE RIVER AT COLUMBIA, SC

LOCATION.--Lat 33°59'35", long 81°03'00", Lexington County, Hydrologic Unit 03050110, on right bank at Columbia, 1,000 ft downstream from Gervais Street Bridge, 1.4 mi downstream from confluence of Broad and Saluda Rivers, and at mile 174.8.

DRAINAGE AREA.--7,850 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 1,000 ft 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 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 58 ft<sup>3</sup>/s above station for municipal supply.

AVERAGE DISCHARGE.--44 years, 9,329 ft<sup>3</sup>/s, 16.13 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 155,000 ft<sup>3</sup>/s Oct. 11, 1976, gage height, 29.74 ft; minimum, 588 ft<sup>3</sup>/s Jan. 19, 1942, gage height, 0.94 ft; minimum daily, 662 ft<sup>3</sup>/s Oct. 18, 1954.

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--Maximum flood since at least October 1891, discharge 364,000 ft<sup>3</sup>/s, Aug. 27, 1908, gage height, 39.8 ft, present datum, at site 1,000 ft upstream, from records of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 66,200 ft<sup>3</sup>/s Mar. 18, gage height, 19.65 ft; minimum, 690 ft<sup>3</sup>/s, Oct. 21, gage height, 1.60 ft; minimum daily, 1,260 ft<sup>3</sup>/s July 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1820	2240	11000	6690	10700	20300	14500	7210	6900	5680	2410	1840
2	1480	2290	10100	12600	16700	12900	11900	11500	5000	6290	2740	1670
3	1480	1980	6810	20700	36700	11200	15500	9810	4680	6060	3120	2820
4	1780	3220	6540	29100	41700	8570	25000	6660	6470	6990	5040	3290
5	8010	4820	5290	20400	16300	6830	20900	8400	4990	8060	5430	3320
6	10200	5650	5250	11200	13900	10500	15700	9860	6420	7360	3280	6310
7	6410	5000	7450	8550	25800	19800	13100	7490	5960	5840	2260	6220
8	3340	3370	8640	6780	29100	28700	26700	6700	6990	5850	3490	4230
9	4020	2290	7360	6030	20100	20700	48900	7300	7210	5670	3370	2690
10	3320	2120	8250	7390	15300	24200	42800	7220	6600	4280	5640	2490
11	4840	2510	6140	5900	20500	18100	47500	6650	6270	3170	11100	3090
12	7090	2400	11500	14500	15100	9320	44700	6350	5020	6030	9280	6320
13	2690	3900	30000	12400	12200	7590	29700	6150	4540	5600	6950	2970
14	4060	2800	27200	8560	20900	8770	25100	6540	5560	6580	3650	2470
15	4500	1780	10800	4730	37100	9720	17400	6210	8050	5430	1270	3310
16	4560	3880	10900	4680	45000	8320	14000	6490	9510	5450	2140	3940
17	2780	2910	21100	6920	24300	22400	13900	6730	9070	2430	5890	3530
18	1980	2800	31200	11400	14800	60000	16400	6040	10900	5730	7450	3480
19	2460	3350	18300	15700	8950	59700	18300	7280	4860	10300	9560	2190
20	2300	3750	9840	13600	8610	40800	17900	8180	5710	9730	4900	1850
21	2350	2820	9140	8920	15000	33100	16400	9670	7470	8010	5840	1820
22	1990	3530	11800	12600	16100	34200	9830	12100	5810	9120	8570	2080
23	2120	3520	9760	20300	19600	21900	8170	15100	4990	4890	6280	2570
24	2240	3570	6490	27700	31500	26400	7580	12500	4640	3110	2070	2490
25	2150	2970	6430	30300	27000	22600	12500	9140	4340	3310	2500	2480
26	2660	3070	3990	20200	18300	18400	20600	7930	5080	3350	2630	3220
27	2220	2650	2170	19300	12200	17600	11800	6220	6760	4530	2180	4100
28	4490	3210	5310	25500	14700	25600	11400	6610	5810	4850	2280	3590
29	3920	2850	5970	21800	---	37100	11100	6720	3740	4510	6800	5660
30	3160	3470	7190	8730	---	28100	7770	6500	3590	2220	4640	3910
31	1740	---	6890	8620	---	23400	---	7940	---	1260	3930	---
TOTAL	108160	94720	328810	431800	588160	696820	597050	249200	182940	171690	146690	99950
MEAN	3489	3157	10610	13930	21010	22480	19900	8039	6098	5538	4732	3332
MAX	10200	5650	31200	30300	45000	60000	48900	15100	10900	10300	11100	6320
MIN	1480	1780	2170	4680	8610	6830	7580	6040	3590	1260	1270	1670
CAL YR 1982 TOTAL	3325212			9110		77600		902				
WTR YR 1983 TOTAL	3695990			10130		60000		1260				

## SANTEE RIVER BASIN

02169570 GILLS CREEK AT COLUMBIA, SC

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 downstream from Lake Katherine, and at mile 7.7.

DRAINAGE AREA.--59.6 mi<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 National Geodetic Vertical Datum of 1929. Apr. 1, 1964 to Aug. 6, 1966, crest-stage gage at same site and datum.

REMARKS.--Records good. Some possible interruption of natural flow by private lakes upstream.

AVERAGE DISCHARGE.--17 years, 76.2 ft<sup>3</sup>/s, 17.36 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,880 ft<sup>3</sup>/s Feb. 24, 1979, gage height, 8.66 ft; minimum daily, 1.6 ft<sup>3</sup>/s Aug. 1, 1983.

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Mar. 6	1200	687	5.61	Apr. 9	2300	908	6.16
Mar. 18	0800	*1,150	*6.59	July 5	0500	514	5.05

Minimum daily, 1.6 ft<sup>3</sup>/s, Aug. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	24	72	91	72	170	152	35	23	17	1.6	6.5
2	24	24	59	133	155	145	153	36	22	23	1.8	8.0
3	22	25	50	172	127	121	151	47	22	31	2.1	7.4
4	20	84	42	146	111	104	153	55	20	58	2.0	7.2
5	20	99	40	105	89	93	167	56	19	455	2.0	7.2
6	19	103	44	80	90	395	151	60	33	258	2.1	6.9
7	19	87	39	66	85	431	182	53	51	98	2.0	26
8	22	64	36	57	81	337	381	53	48	54	5.5	9.4
9	21	44	32	55	73	217	728	54	41	33	2.7	14
10	21	37	30	61	75	135	721	49	46	24	3.0	12
11	20	39	46	61	87	104	417	46	36	21	3.2	18
12	20	47	199	56	99	92	291	44	30	22	3.4	21
13	35	48	169	49	99	82	223	43	28	21	3.5	24
14	48	44	116	45	265	68	217	44	27	23	3.5	59
15	52	60	83	42	230	63	183	42	25	23	3.7	33
16	53	52	102	44	201	57	164	43	24	16	4.0	34
17	48	46	87	44	148	390	147	42	23	15	3.9	30
18	40	44	75	57	117	991	127	39	22	21	4.1	25
19	34	52	67	76	121	497	79	38	21	16	4.3	22
20	32	54	60	102	101	280	86	39	20	14	6.2	21
21	31	52	53	125	77	245	88	38	19	13	4.7	21
22	31	44	47	150	114	203	77	36	18	7.3	4.8	20
23	29	41	43	125	227	162	52	35	17	3.3	4.8	18
24	28	36	43	100	176	140	118	32	16	3.5	4.7	17
25	31	32	42	75	126	144	126	30	14	6.2	4.8	16
26	31	29	39	68	99	143	54	28	14	4.7	4.7	15
27	61	30	38	70	92	160	92	28	14	2.8	5.6	15
28	64	31	37	85	97	163	132	27	13	2.3	5.9	14
29	57	33	87	100	---	154	90	25	13	2.1	5.6	13
30	39	51	103	80	---	158	68	24	14	2.0	5.2	12
31	26	---	106	78	---	158	---	24	---	1.8	5.1	---
TOTAL	1021	1456	2086	2598	3434	6602	5770	1245	733	1292.0	120.5	552.6
MEAN	32.9	48.5	67.3	83.8	123	213	192	40.2	24.4	41.7	3.89	18.4
MAX	64	103	199	172	265	991	728	60	51	455	6.2	59
MIN	19	24	30	42	72	57	52	24	13	1.8	1.6	6.5
CFSM	.55	.81	1.13	1.41	2.06	3.57	3.22	.67	.41	.70	.07	.31
IN.	.64	.91	1.30	1.62	2.14	4.12	3.60	.78	.46	.81	.08	.34

CAL YR 1982	TOTAL	28772.0	MEAN 78.8	MAX 727	MIN 11	CFSM 1.32	IN 17.96
WTR YR 1983	TOTAL	26910.1	MEAN 73.7	MAX 991	MIN 1.6	CFSM 1.24	IN 16.80

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 downstream from Rock Branch, 11.6 mi northwest of St. Matthews, and at mile 8.2.

DRAINAGE AREA.--10.0 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Datum of gage is 164.21 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for period of no gage-height record Mar. 8 to Apr. 28, which is poor.

AVERAGE DISCHARGE.--17 years, 13.8 ft<sup>3</sup>/s, 18.74 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft<sup>3</sup>/s July 29, 1971 from rating extended above 210 ft<sup>3</sup>/s, gage height 6.66 ft; minimum daily, 4.5 ft<sup>3</sup>/s May 25, 26, July 15, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 88 ft<sup>3</sup>/s Dec. 31, gage height, 3.66 ft, no peak above base of 100 ft<sup>3</sup>/s; minimum daily, 6.5 ft<sup>3</sup>/s Aug. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	7.6	7.8	12	12	46	20	16	9.9	9.4	7.8	8.7
2	7.8	7.8	7.3	19	28	25	19	16	9.9	13	8.4	9.3
3	7.9	7.9	8.7	17	19	20	17	18	9.7	9.2	10	9.0
4	8.0	17	9.0	13	15	18	17	21	9.6	8.7	8.8	8.3
5	7.9	13	8.3	12	14	18	17	17	10	9.0	9.0	7.9
6	7.6	9.4	10	11	17	32	38	16	12	9.4	16	7.6
7	7.7	8.6	8.9	11	15	28	29	15	20	8.4	17	7.3
8	8.3	8.3	9.9	11	14	22	48	15	24	7.9	9.6	7.2
9	9.5	8.0	11	13	13	20	42	23	13	7.7	8.9	7.8
10	8.5	9.1	9.7	15	16	18	30	17	11	7.4	8.6	9.4
11	8.6	8.5	13	13	20	17	25	15	9.9	7.2	8.2	7.8
12	8.5	8.0	29	12	16	17	23	15	9.6	7.2	8.1	7.4
13	11	11	19	11	18	16	21	14	9.3	7.2	8.2	9.6
14	14	8.8	15	11	51	16	22	14	9.1	7.1	7.6	32
15	9.7	8.3	13	11	28	16	32	14	8.8	7.2	7.3	13
16	8.5	7.9	21	11	21	16	24	14	8.3	7.1	7.1	9.7
17	7.9	7.8	16	11	19	54	21	13	8.3	7.2	7.0	9.0
18	7.6	7.8	13	11	17	47	23	12	8.4	8.0	6.9	8.7
19	7.6	7.8	12	10	17	26	21	13	8.0	8.0	6.9	8.5
20	7.7	7.7	12	9.7	17	22	19	13	8.4	7.4	6.8	9.6
21	8.9	9.3	11	16	15	25	19	13	8.6	7.1	6.7	20
22	9.4	8.5	11	21	17	20	19	12	8.6	6.9	6.6	12
23	8.1	7.6	11	16	29	19	24	12	8.5	8.3	6.5	9.6
24	8.1	8.5	11	13	19	20	24	11	8.0	9.4	8.8	9.1
25	8.9	8.2	10	12	17	19	20	11	7.7	8.5	37	8.8
26	8.3	7.6	10	12	15	26	18	11	8.9	9.9	25	8.6
27	7.7	8.3	10	14	15	21	18	11	11	7.9	12	8.5
28	7.6	7.9	10	18	18	19	17	10	8.8	7.2	9.7	8.5
29	7.5	8.9	16	14	---	18	16	10	8.7	7.1	8.6	8.4
30	7.5	8.4	15	14	---	27	16	10	9.1	7.7	8.2	9.2
31	7.5	---	15	13	---	22	---	9.9	---	8.8	7.9	---
TOTAL	261.6	263.5	383.6	407.7	532	730	699	431.9	305.1	252.5	315.2	300.5
MEAN	8.44	8.78	12.4	13.2	19.0	23.5	23.3	13.9	10.2	8.15	10.2	10.0
MAX	14	17	29	21	51	54	48	23	24	13	37	32
MIN	7.5	7.6	7.3	9.7	12	16	16	9.9	7.7	6.9	6.5	7.2
CFSM	.84	.88	1.24	1.32	1.90	2.35	2.33	1.39	1.02	.82	1.02	1.00
IN.	.97	.98	1.43	1.52	1.98	2.72	2.60	1.61	1.13	.94	1.17	1.12
CAL YR 1982 TOTAL	3986.7											
WTR YR 1983 TOTAL	4882.6											
		MEAN 10.9	MAX 36	MIN 5.5	CFSM 1.09	IN 14.83						
		MEAN 13.4	MAX 54	MIN 6.5	CFSM 1.34	IN 18.16						



## SANTEE RIVER BASIN

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, SC

LOCATION.--Lat 33°23'14", long 80°08'25", Berkeley County, Hydrologic Unit 03050201, on right bank 0.6 mi upstream from bridge on State Highway 45 and 7.0 mi 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 National Geodetic Vertical Datum of 1929 (levels by South Carolina Public Service Authority). Auxiliary water-stage recorder 3.9 mi 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.--40 years, 14,903 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 40,300 ft<sup>3</sup>/s Mar. 17, 1983; minimum daily (normal operation), 61 ft<sup>3</sup>/s Sept. 24, 1956; maximum daily reverse flow, 12,100 ft<sup>3</sup>/s Feb. 9, 1947 (caused by unusual operation of gates).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4550	6080	7870	21500	29100	30300	27500	27300	15800	6370	6160	7060
2	4310	8040	8780	28800	29700	27500	27000	27300	14400	7720	8760	2300
3	2930	5480	9120	20400	29900	26800	28800	28300	11000	5570	4930	1970
4	3890	9550	10800	21300	25000	27200	26400	25800	13400	14500	4490	2740
5	3280	8830	11400	22600	26100	35100	27200	25000	13200	6630	5940	3730
6	4630	6590	14700	23900	28600	29300	26700	26300	11500	5160	6120	6850
7	6820	7180	12300	22900	28800	29300	29200	23300	5640	9160	6050	7790
8	8580	7860	21000	26000	28900	26700	28300	22900	11100	8740	7340	7480
9	6490	8800	14200	27300	30000	29500	29300	22500	12000	9000	7590	8450
10	4590	11200	22700	26600	33900	27600	28900	28000	10400	9180	8290	5310
11	4660	12100	23800	25600	31900	29600	27500	19200	12400	8570	7700	5990
12	4500	8860	23500	26400	31400	26300	26500	21000	12600	8990	13000	4880
13	6370	10400	30000	22200	35200	27100	26600	18400	12500	7840	11300	4440
14	10600	11700	21400	22100	33700	28400	26100	15300	13100	11700	8100	7670
15	8310	11200	21700	26500	30400	27900	32400	14400	12200	10400	5640	2850
16	8500	9850	24500	21000	31700	27900	26000	15700	12100	10200	2180	3470
17	5080	5540	24100	22600	32200	40300	27000	9750	12700	8460	3490	5600
18	4980	5320	24400	19900	30700	25800	29800	8950	12200	8640	6930	4530
19	3270	4320	27300	17900	32500	19800	29200	9730	12400	9550	9330	3600
20	4870	4830	25600	17700	32200	17800	27800	10700	11900	7270	10500	6160
21	5490	5630	27000	23300	31500	28600	27600	12900	11900	9720	9520	12000
22	4470	4650	27600	17900	31800	23900	25800	13400	13200	11500	7660	3680
23	6080	3540	28300	17300	29500	28000	29400	16800	11000	8360	10100	1620
24	12300	5550	27500	17000	27300	37800	28700	17300	11900	10800	7810	2090
25	28800	8470	27000	19000	30500	27600	24500	17900	10900	6180	7840	2890
26	1470	10800	24500	20200	25500	27700	25400	19000	10300	7210	4830	3690
27	5400	4560	24800	26400	26800	29100	26100	17800	10600	5940	3910	2120
28	5690	4730	21800	25800	29500	31300	27200	16900	7850	7220	2740	2640
29	6270	3920	23000	27400	---	28300	29400	18000	8870	7000	3530	4260
30	6140	8070	24300	25500	---	27200	27300	16800	8280	5940	2580	4460
31	5550	---	20200	28000	---	29100	---	16800	---	6300	7290	---
TOTAL	198870	223650	655170	711000	844300	878800	829600	583430	347340	259820	211650	142320
MEAN	6415	7455	21130	22940	30150	28350	27650	18820	11580	8381	6827	4744
MAX	28800	12100	30000	28800	35200	40300	32400	28300	15800	14500	13000	12000
MIN	1470	3540	7870	17000	25000	17800	24500	8950	5640	5160	2180	1620
CAL YR 1982 TOTAL	5103840			MEAN 13980		MAX 33600	MIN 1470					
WTR YR 1983 TOTAL	5885950			MEAN 16130		MAX 40300	MIN 1470					

## 02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, SC--Continued

## WATER-QUALITY RECORDS

LOCATION.--Lat 32°23'25", long 80°08'25", Berkeley County, Hydrologic Unit 03050201, at auxiliary water-stage recorder 3.9 miles downstream from base gage, 7.0 miles southwest of Pineville.

PERIOD OF RECORD.--December 1971 to current year.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	BAROMETRIC PRESSURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, SATURATION (%)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECA, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS NONCARBONATE (MG/L AS CaCO3)
NOV 16...	1630	94	7.5	14.0	3.1	771	7.9	76	K6	230	18	0
JAN 04...	1700	110	7.2	9.5	18	771	10.2	88	K7	200	18	0
MAR 15...	1515	74	6.8	14.5	--	754	9.8	97	K3	180	--	--
MAY 10...	1645	70	6.8	21.0	6.5	765	9.1	102	K5	150	18	0
JUL 06...	1520	85	6.8	29.0	2.5	759	7.5	98	K16	1800	20	0
SEP 15...	0915	95	6.7	25.0	2.6	763	7.5	91	340	280	19	0

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM DIS-SOLVED (MG/L AS Mg)	SODIUM DIS-SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM DIS-SOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	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)
NOV 16...	4.1	1.9	11	54	1.2	1.8	22	11	8.4	.10	9.0	77
JAN 04...	4.2	1.8	13	58	1.4	2.2	20	14	10	.10	11	80
MAY 10...	4.4	1.7	6.1	40	.6	1.6	18	10	6.0	<.10	7.2	54
JUL 06...	4.8	1.8	8.5	46	.9	1.6	22	8.4	7.4	.10	5.8	62
SEP 15...	4.5	1.9	9.7	50	1.0	1.7	25	8.9	8.4	.10	10	62

	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SGLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)
NOV 16...	61	.10	<.10	<.010	.01	.30	.020	.06	.010	<.010	--
JAN 04...	69	.11	.30	.050	.06	.80	.050	.15	.030	.020	.06
MAR 15...	--	--	.33	.040	.05	.30	.040	.12	.030	.010	.03
MAY 10...	48	.07	.14	<.010	--	.40	.040	.12	.020	<.010	--
JUL 06...	52	.08	<.10	.060	.08	.40	.020	.06	<.010	<.010	--
SEP 15...	60	.08	<.10	.050	.06	.80	.040	.12	.020	.020	.06

DATE	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ARSENIC, DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM, DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM, DIS-SOLVED (UG/L AS LI)
NOV 16...	70	1	74	<1	<1	<1	<3	<1	13	<1	<4
JAN 04...	50	1	36	<1	<1	<1	<3	4	220	3	5
MAY 10...	80	1	65	<1	<1	5	<3	71	280	4	10
JUL 06...	10	1	91	<1	<1	<1	<3	2	16	3	6

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, SC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 16...	2	<.1	<10	<1	<1	<1	38	<6.0	23	6	76
JAN 04...	5	.2	<10	2	--	<1	36	<6.0	7	12	81
MAR 15...	--	--	--	--	--	--	--	--	--	6	94
MAY 10...	4	<.1	<10	6	<1	<1	36	<6.0	<3	8	88
JUL 06...	1	.2	<10	1	<1	<1	42	<6.0	30	1	100
SEP 15...	--	--	--	--	--	--	--	--	--	6	85

NOTE: "K" denotes a bacteria colony count outside ideal limits.  
 ">" denotes a value greater than that listed.  
 "<" denotes a value less than that listed.

## 02171000 LAKE MARION NEAR PINEVILLE, SC

LOCATION.--Lat 33°27'00", long 80°09'50", Berkeley County, Hydrologic Unit 03050111, at right upstream end of spillway, 2.8 mi upstream from old Santee Canal, 5.4 mi upstream from Dead River, and 8.0 mi west of Pineville.

DRAINAGE AREA.--14,700 mi<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> between elevations 60.0 ft (limit of drawdown) and 76.8 ft (maximum normal lake elevation). Dead storage, about 15,250,000,000 ft<sup>3</sup>. Figures given herein represent usable contents. Elevation of spillway crest 63.0 ft; top of spillway gates, 76.8 ft. 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 Feb. 28, 1964 (distorted due to high westerly winds); minimum, 61.36 ft Oct. 17, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 76.75 ft Mar. 17; minimum, 72.02 ft Jan. 21.

Capacity table (elevation, in feet), and  
usable contents, (in billions of cubic feet)  
(Prepared from volume curve drawn by Harza Engineering Co.)

71.0 ft	24.31 ft <sup>3</sup>
72.0 ft	27.75 ft <sup>3</sup>
74.0 ft	35.41 ft <sup>3</sup>
76.0 ft	44.13 ft <sup>3</sup>
77.0 ft	48.88 ft <sup>3</sup>

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.84	75.07	73.93	73.70	74.35	76.55	76.56	76.26	75.35	75.06	74.60	74.17
2	74.80	74.99	74.00	73.74	74.49	76.47	76.65	76.17	75.25	75.07	74.66	74.20
3	74.75	74.94	74.13	73.63	74.51	76.47	76.48	76.12	75.18	75.08	74.72	74.18
4	74.74	74.99	74.22	73.58	74.36	76.47	76.46	76.04	75.12	75.31	74.65	74.17
5	74.73	74.80	74.30	73.60	74.40	76.39	76.43	75.96	75.20	75.23	74.66	74.12
6	74.78	74.82	74.27	73.65	74.68	76.52	76.38	75.85	75.23	75.03	74.64	74.08
7	74.87	74.89	74.13	73.78	75.01	76.50	76.47	75.79	75.38	75.11	74.67	74.03
8	74.94	74.94	74.11	73.85	75.09	76.42	76.49	75.75	75.37	75.14	74.63	73.98
9	74.99	74.87	74.06	73.95	75.18	76.42	76.47	75.68	75.41	75.16	74.56	73.97
10	74.98	74.71	74.07	73.85	75.43	76.44	76.42	75.60	75.47	75.15	74.49	73.97
11	75.00	74.57	74.10	73.66	75.54	76.45	76.39	75.59	75.42	75.16	74.42	73.95
12	74.98	74.46	74.18	73.47	75.62	76.45	76.42	75.58	75.42	75.14	74.35	73.92
13	75.09	74.34	74.07	73.29	75.76	76.51	76.44	75.53	75.42	75.14	74.28	73.90
14	75.05	74.30	74.09	73.21	75.96	76.53	76.54	75.49	75.39	75.09	74.30	73.98
15	75.01	73.99	74.10	73.15	76.01	76.52	76.46	75.43	75.33	75.09	74.28	73.94
16	74.88	73.90	74.28	72.93	76.04	76.42	76.28	75.37	75.29	75.07	74.27	73.99
17	74.84	73.91	74.37	72.71	76.14	76.70	76.45	75.23	75.29	75.07	74.20	74.02
18	74.87	73.98	74.41	72.37	76.34	76.27	76.61	75.29	75.27	75.06	74.14	74.04
19	74.83	73.98	74.58	72.17	76.60	75.77	76.60	75.40	75.27	75.02	74.10	74.04
20	74.88	74.04	74.63	72.09	76.69	75.52	76.52	75.44	75.26	75.06	74.04	74.24
21	74.92	74.09	74.75	72.29	76.64	76.00	76.49	75.46	75.24	75.10	74.06	74.31
22	74.94	74.10	74.84	72.43	76.68	76.15	76.45	75.47	75.23	75.09	74.04	74.18
23	74.93	74.13	74.85	72.53	76.61	76.29	76.52	75.52	75.20	75.13	74.00	74.15
24	75.00	74.10	74.84	72.68	76.60	76.65	76.42	75.54	75.17	75.13	74.14	74.10
25	74.94	74.03	74.80	72.85	76.49	76.50	76.29	75.61	75.12	75.08	74.12	74.11
26	74.91	73.96	74.70	73.06	76.38	76.41	76.25	75.69	75.00	75.00	74.12	74.10
27	74.96	73.89	74.51	73.46	76.41	76.60	76.26	75.70	74.95	74.92	74.13	74.09
28	74.99	73.94	74.26	73.71	76.59	76.67	76.25	75.67	74.94	74.85	74.11	74.08
29	75.04	73.97	74.12	73.96	---	76.55	76.27	75.66	74.98	74.81	74.09	74.12
30	75.07	73.90	73.98	74.16	---	76.44	76.29	75.58	75.05	74.78	74.11	74.16
31	75.10	---	73.84	74.32	---	76.50	---	75.49	---	74.69	74.20	---
MAX	75.10	75.07	74.85	74.32	76.69	76.70	76.65	76.26	75.47	75.31	74.72	74.31
MIN	74.73	73.89	73.84	72.09	74.35	75.52	76.25	75.23	74.94	74.69	74.00	73.90
(+)	40.09	35.02	34.78	36.77	46.93	46.50	45.50	41.84	39.86	38.33	36.26	36.09
(*)	422	-1,956	-90	743	4,200	-161	-386	-1,366	-764	-571	-773	-66

CAL YR 1982 \* 66 MAX 76.59 MIN 73.84  
WTR YR 1983 \* 91 MAX 76.70 MIN 72.09

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.  
(\*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.



## SANTEE RIVER BASIN

02171500 SANTEE RIVER NEAR PINEVILLE, SC

LOCATION.--Lat 33°27'15", long 80°09'25", Berkeley County, Hydrologic Unit 03050112, on right bank 2.4 mi downstream from Lake Marion Dam, 3.0 mi upstream from Dead River, 6.7 mi west of Pineville, and at mile 85.0.

DRAINAGE AREA.--14,700 mi<sup>2</sup>, approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 23.00 ft 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 upstream or temporary water-stage recorder operated by Corps of Engineers, at site 200 ft upstream, at different datum.

REMARKS.--Records good except those for discharges above 9,000 ft<sup>3</sup>/s, 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, of Little River, just below dam, made during water year 1983 are given below.

Dec. 1 - 19.9 ft<sup>3</sup>/s  
June 6 - 24.4 ft<sup>3</sup>/s  
Sept. 27 - 23.1 ft<sup>3</sup>/s

AVERAGE DISCHARGE.--41 years, 2,278 ft<sup>3</sup>/s, 2.11 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 155,000 ft<sup>3</sup>/s Sept. 23, 1945, gage height, 31.1 ft (from floodmarks), from rating curve extended above 13,000 ft<sup>3</sup>/s by computation of flow over spillway at Lake Marion; minimum daily, 9.0 ft<sup>3</sup>/s Feb. 23, 1947 (caused by repair work at spillway).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 32,300 ft<sup>3</sup>/s Apr. 16, gage height, 24.73 ft; minimum daily, 387 ft<sup>3</sup>/s Oct. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	451	573	562	577	820	9500	17400	680	541	505	603	598
2	465	575	571	611	900	10000	18800	619	506	501	607	604
3	471	576	575	613	1100	9200	20700	659	500	501	609	593
4	471	591	554	591	1200	8070	16100	932	506	510	604	598
5	469	731	547	582	1050	7310	11700	604	518	519	620	601
6	470	594	540	565	970	6080	14500	576	509	5520	627	598
7	387	581	554	543	920	5030	10700	563	520	4330	620	588
8	411	578	556	560	850	6590	12600	591	524	1700	596	583
9	464	573	552	600	800	6960	16700	567	508	649	597	576
10	462	570	552	660	770	7810	18000	571	508	604	577	551
11	469	568	552	720	820	7000	20900	564	505	600	598	567
12	466	563	583	800	900	6600	25000	557	502	607	599	510
13	463	687	584	790	1020	5700	26600	558	502	609	583	545
14	474	587	571	740	1200	4000	28400	555	499	617	610	537
15	471	583	549	680	1350	1610	31800	560	497	625	607	540
16	478	581	545	650	1600	958	28300	597	494	612	607	541
17	452	576	566	620	2200	3860	20000	522	496	601	609	580
18	464	569	570	600	3000	22100	13600	498	494	598	611	558
19	514	569	462	610	4400	27400	10900	493	494	590	608	568
20	569	568	547	620	5000	25000	13300	512	494	610	595	621
21	536	564	522	650	4900	26100	13100	528	491	615	591	635
22	561	562	554	740	4800	26000	12700	531	487	621	593	611
23	572	561	549	940	4500	25300	12700	539	479	622	597	629
24	608	560	547	990	3700	24000	14100	526	476	609	600	672
25	730	575	544	920	4300	22300	10200	518	485	606	612	606
26	614	570	545	840	6000	22000	3230	521	485	613	583	600
27	575	566	547	760	8000	18800	1490	524	483	607	597	593
28	575	570	553	930	8400	15700	1200	519	487	610	595	588
29	577	561	552	1100	---	15400	935	524	512	610	590	593
30	579	557	573	970	---	17100	779	530	508	610	582	590
31	573	---	588	890	---	17400	---	528	---	610	587	---
TOTAL	15841	17439	17166	22462	75470	410878	446434	17566	15010	28141	18614	17574
MEAN	511	581	554	725	2695	13250	14880	567	500	908	600	586
MAX	730	731	588	1100	8400	27400	31800	932	541	5520	627	672
MIN	387	557	462	543	770	958	779	493	476	501	577	510
CAL YR 1982	TOTAL	1174238	MEAN	3217	MAX	59100	MIN	387				
WTR YR 1983	TOTAL	1102595	MEAN	3021	MAX	31800	MIN	387				

## SANTÉE RIVER BASIN

127

02171560 SANTÉE RIVER NEAR RUSSELLVILLE, SC

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 northeast of Russellville, and at mile 63.7.

DRAINAGE AREA.--14,800 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1978 to current year.

GAGE.--Water stage recorder. Datum of gage is 10.59 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for periods of estimated discharge (Mar. 4-10, Mar. 31-Apr. 7, Apr. 20-27), 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.

AVERAGE DISCHARGE.--5 years, 2,685 ft<sup>3</sup>/s, 2.46 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,400 ft<sup>3</sup>/s Apr. 1, 1980, gage height, 24.45 ft; minimum daily, 398 ft<sup>3</sup>/s Oct. 8, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 47,000 ft<sup>3</sup>/s Apr. 16, gage height, 23.13 ft; minimum daily, 398 ft<sup>3</sup>/s Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	463	630	619	828	1050	11800	14000	1150	616	553	671	584
2	466	626	626	930	1060	13100	13000	1020	612	547	673	604
3	476	630	630	1150	1200	13200	12000	950	584	546	683	606
4	479	630	637	1200	1470	10900	11200	1050	576	563	671	598
5	479	692	615	1120	1240	8900	10800	1110	587	683	663	601
6	473	703	623	1040	1090	8500	11000	874	604	969	669	600
7	469	640	590	961	1030	6200	11800	806	598	6460	676	589
8	398	623	608	888	1020	6300	13500	777	665	4330	658	578
9	442	611	612	880	968	6600	13800	779	658	2000	639	575
10	476	612	608	918	891	6900	15100	756	643	1160	627	560
11	476	612	626	961	965	7490	15900	748	620	945	619	546
12	482	612	689	988	1100	8160	16900	728	602	871	638	550
13	479	647	725	968	1080	7880	20100	717	590	822	627	503
14	495	696	739	865	1350	6590	26600	709	580	792	611	530
15	495	640	710	817	1820	3620	33300	704	571	765	626	511
16	492	630	692	787	1710	2000	43300	702	563	752	623	509
17	479	630	671	765	2890	1940	42400	721	556	726	619	532
18	466	626	685	735	4690	9030	29700	640	558	708	622	550
19	473	619	661	725	5370	15300	19200	617	552	695	626	536
20	559	623	601	717	5660	21300	15800	607	548	690	615	577
21	580	623	633	743	5840	26600	14600	627	547	705	600	708
22	573	615	637	988	5820	28400	13800	633	544	713	596	659
23	590	615	654	1210	4780	30000	13200	637	540	723	599	634
24	633	615	650	1210	5020	30000	12800	632	528	707	599	664
25	703	608	647	1110	5830	30100	12900	613	527	694	613	640
26	765	623	644	1050	8760	25900	9170	639	532	693	627	602
27	675	623	640	1010	10200	23000	4360	641	531	688	599	587
28	644	623	644	1170	11000	20700	2470	632	532	680	599	577
29	637	633	668	1340	---	18200	1760	621	539	677	595	572
30	633	619	703	1270	---	16700	1390	625	553	675	586	576
31	630	---	787	1140	---	15300	---	621	---	676	580	---
TOTAL	16580	18937	20274	30484	94924	440610	475850	23086	17256	33208	19449	17458
MEAN	535	631	654	983	3390	14210	15860	745	575	1071	627	582
MAX	765	703	787	1340	11000	30100	43300	1150	665	6460	683	708
MIN	398	608	590	717	891	1940	1390	607	527	546	580	503
CAL YR 1982	TOTAL	1214859	MEAN	3328	MAX	66600	MIN	398				
WTR YR 1983	TOTAL	1208116	MEAN	3310	MAX	43300	MIN	398				

## SANTEE RIVER BASIN

02171620 CRAWL CREEK NEAR PINEVILLE, SC

LOCATION.--Lat 33°26'18", long 79°59'47", Berkeley County, Hydrologic Unit 03050112, at bridge on State Highway 6, 1.0 mi upstream from U.S. Highway 52, 2.5 mi east of Pineville, and at mile 3.1.

PERIOD OF RECORD.--Water years 1975 to current year.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT									
13...	1015	102	6.9	21.0	75	14	7.3	10	1.0
NOV									
19...	1300	100	6.7	17.5	45	15	8.9	10	1.0
DEC									
15...	1400	99	6.7	13.0	280	85	8.7	137	4.0
JAN									
12...	1200	75	6.1	9.0	110	700	9.0	658	2.5
FEB									
18...	1145	55	6.0	10.5	80	22	10.9	10	1.5
MAR									
29...	1115	65	6.1	14.0	75	18	10.1	22	3.0
APR									
20...	1100	82	6.1	10.5	60	15	10.8	12	1.5
MAY									
26...	1211	108	6.0	25.0	60	50	7.1	42	5.0
JUN									
23...	1230	156	6.5	27.5	--	--	7.9	18	.5
JUL									
27...	1215	330	7.6	28.0	17	19	6.7	--	2.0
AUG									
31...	1150	200	7.1	28.0	3	30	6.9	42	.5
SEP									
27...	1300	144	7.3	19.5	2	9.5	9.3	--	4.5

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT									
13...	1000	510	490	50	20	30	5.8	6	56
NOV									
19...	1200	670	530	30	0	30	5.7	6	100
DEC									
15...	1800	1500	320	70	10	60	14	117	91
JAN									
12...	5000	4700	290	300	140	160	34	861	97
FEB									
18...	630	370	260	20	0	20	--	9	88
MAR									
29...	640	240	400	30	0	30	9.4	12	86
APR									
20...	860	380	480	30	10	20	8.2	15	64
MAY									
26...	1900	1500	370	200	40	160	12	102	77
JUN									
23...	--	--	--	--	--	--	3.2	15	75
JUL									
27...	450	430	20	50	30	20	3.6	27	82
AUG									
31...	800	740	60	80	50	30	2.5	33	86
SEP									
27...	340	270	70	40	0	40	2.7	20	80

NOTE: ">" denotes a value greater than that listed.  
"<" denotes a value less than that listed.

## Santee River Basin

129

02171650 Santee River Below St. Stephens, SC

## WATER-QUALITY RECORDS

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 east of St. Stephens, 600 ft downstream from Mattassee Lake, and at mile 52.0.

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	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 13...	1215	--	100	7.0	24.0	22	9.0	7.0	7	2.0
NOV 19...	1430	--	105	6.8	16.0	18	7.0	8.9	6	1.5
DEC 15...	1220	--	104	7.0	11.5	30	6.7	9.1	5	.5
JAN 12...	1345	--	110	6.9	9.5	80	34	8.9	17	1.0
FEB 18...	1520	4000	90	6.4	9.0	60	42	10.3	30	2.5
MAR 29...	1340	--	83	6.2	14.0	55	15	9.0	4	.5
APR 20...	1230	--	72	6.0	8.5	50	15	8.4	2	1.0
MAY 26...	1700	670	100	6.0	25.0	30	19	6.7	13	4.0
JUN 23...	1515	580	89	6.2	28.0	20	5.4	6.7	4	3.0
JUL 27...	1620	750	95	6.5	30.0	20	2.4	7.3	--	3.5
AUG 31...	1500	--	95	6.4	30.5	4	1.2	5.8	2	2.0
SEP 27...	1830	--	95	6.6	22.0	1	1.4	7.7	--	6.0

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)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 13...	940	730	210	140	30	110	3.4	7	--	93
NOV 19...	870	620	250	100	10	90	3.6	2	--	86
DEC 15...	870	530	340	70	10	60	6.2	4	--	92
JAN 12...	1600	1000	600	160	30	130	6.8	12	--	91
FEB 18...	3400	3100	260	290	210	80	--	97	1050	64
MAR 29...	500	310	190	20	10	10	5.3	9	--	72
APR 20...	620	320	300	10	0	10	5.8	6	--	58
MAY 26...	1700	790	910	200	30	170	4.2	19	--	93
JUN 23...	780	360	420	100	0	100	3.1	8	--	74
JUL 27...	660	370	290	130	40	90	3.2	4	--	73
AUG 31...	600	420	180	140	80	60	3.2	6	--	81
SEP 27...	500	350	150	70	20	50	3.1	6	--	57

NOTE: ">" denotes a value greater than that listed.  
"<" denotes a value less than that listed.



## SANTEE RIVER BASIN

02171680 WEDBOO CREEK NEAR JAMESTOWN, SC

LOCATION.--Lat 33°19'50", long 79°48'10", Berkeley County, Hydrologic Unit 03050112, on right downstream wingwall of culvert on South Carolina Highway 45, 1.4 mi southeast of Alvin, 3.3 mi upstream from mouth, and 7.5 mi northwest of Jamestown.

DRAINAGE AREA.--17.4 mi<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 (from topographic map).

REMARKS.--Records fair, except those for period of no gage-height record Nov. 19 to Jan. 4, which are poor.

AVERAGE DISCHARGE.--15 years, 12.4 ft<sup>3</sup>/s, 9.71 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 928 ft<sup>3</sup>/s Aug. 26, 1971, gage height, 5.96 ft; maximum gage-height, 8.82 ft (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 and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Jan. 5	1200	113	3.89	Mar. 1	2030	101	3.81
Jan. 22	1530	157	4.14	Mar. 7	2100	221	4.42
Jan. 28	1800	128	3.99	Mar. 17	2100	*840	*5.84
Feb. 2	2330	147	4.09	Mar. 25	0830	213	4.39
Feb. 11	1300	113	3.89	Apr. 18	1700	176	4.23
Feb. 14	1530	250	4.53				

Minimum daily, 0.40 ft<sup>3</sup>/s, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	5.5	1.6	25	46	75	62	7.6	.91	1.5	.63	.82
2	1.9	5.6	1.7	40	73	91	51	6.4	.86	1.6	.74	1.5
3	1.4	5.3	1.8	60	130	66	46	5.6	.84	1.6	.86	1.1
4	1.2	7.7	1.9	80	90	46	36	8.0	.78	1.6	.87	.87
5	1.1	12	1.9	110	60	34	28	6.4	.86	5.8	.85	.75
6	1.1	9.5	2.1	77	52	41	23	4.5	1.0	3.6	1.0	.67
7	1.1	7.9	2.4	54	57	165	20	3.5	1.8	2.1	6.0	.60
8	1.1	6.6	2.7	41	47	188	19	3.1	3.0	1.4	5.0	.57
9	1.6	5.6	3.3	32	37	122	23	3.1	1.6	.90	1.9	.63
10	1.5	4.6	34	28	34	78	40	2.7	1.4	.71	1.0	.68
11	1.4	4.1	4.6	26	98	50	38	2.4	1.2	.63	.84	.61
12	1.3	4.2	4.0	23	92	37	28	2.2	1.1	.66	.81	1.7
13	1.2	5.2	3.5	19	72	28	21	1.8	1.1	.63	.81	2.1
14	5.7	4.8	5.6	16	198	22	17	1.7	1.1	.58	.68	1.4
15	3.8	4.3	16	15	187	18	26	1.5	1.1	.54	.63	1.0
16	2.3	3.5	15	13	117	17	81	1.5	1.1	.48	.63	.78
17	1.4	3.1	13	12	109	356	90	1.4	1.1	.43	.63	.67
18	1.1	3.0	12	11	115	627	160	1.3	1.1	.44	.64	.58
19	.91	2.3	10	9.2	83	303	133	1.4	1.1	.45	.57	.52
20	.90	1.9	8.8	8.1	58	173	51	1.4	1.2	.45	.55	.75
21	.79	1.8	8.0	14	43	110	22	1.3	1.2	.47	.54	4.5
22	.76	1.7	7.2	118	34	71	16	1.1	1.3	.47	.51	5.1
23	.84	1.6	27	141	75	44	17	1.0	1.3	1.0	.49	1.5
24	15	1.5	5.8	105	80	53	27	.94	1.2	.85	.51	.83
25	43	1.5	5.2	73	64	196	25	.82	1.3	.81	1.6	.62
26	34	1.4	4.6	53	51	157	20	.95	1.3	.72	1.6	.52
27	22	1.4	4.5	42	38	109	16	.99	1.4	.68	.89	.45
28	14	1.5	5.2	95	31	94	13	.92	1.4	.60	.71	.44
29	9.9	1.5	8.0	112	---	67	11	1.1	1.4	.54	.64	.43
30	7.9	1.6	12	82	---	46	9.4	1.4	1.5	.57	.60	.40
31	6.4	---	17	61	---	45	---	1.0	---	.62	.58	---
TOTAL	189.10	122.2	250.4	1595.3	2171	3529	1169.4	79.02	37.55	33.43	34.31	33.09
MEAN	6.10	4.07	8.08	51.5	77.5	114	39.0	2.55	1.25	1.08	1.11	1.10
MAX	43	12	34	141	198	627	160	8.0	3.0	5.8	6.0	5.1
MIN	.76	1.4	1.6	8.1	31	17	9.4	.82	.78	.43	.49	.40
CFSM	.35	.23	.46	2.96	4.45	6.55	2.24	.15	.07	.06	.06	.06
IN.	.40	.26	.54	3.41	4.64	7.54	2.50	.17	.08	.07	.07	.07

CAL YR 1982 TOTAL 5669.52 MEAN 15.5 MAX 419 MIN .68 CFSM .89 IN 12.12  
WTR YR 1983 TOTAL 9243.80 MEAN 25.3 MAX 627 MIN .40 CFSM 1.45 IN 19.76

## SANTÉE RIVER BASIN

131

## 02171700 SANTÉE RIVER NEAR JAMESTOWN, SC

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 below Wittee Branch, 0.10 mi upstream from Seaboard Coastline Railroad, 1.5 mi northeast of Jamestown, and at mile 36.4.

DRAINAGE AREA.--15,044 mi<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 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 gage height, 32.0 ft Apr. 15, 1936; minimum, 0.61 ft Nov. 21, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.39 ft Apr. 19; minimum, 1.00 ft July 22.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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	3.25	1.55	3.20	1.62	2.95	1.33	3.76	2.05	4.10	2.72	7.70	
2	3.26	1.73	3.42	1.66	2.82	1.30	4.23	2.28	4.26	3.00	7.92	
3	3.57	1.88	3.60	1.68	3.07	1.37	4.71	3.68	3.64	2.64	8.14	
4	3.39	1.73	3.66	1.75	3.00	1.47	4.55	3.63	2.74	2.44	8.21	
5	3.19	1.54	2.79	1.40	3.19	1.49	4.32	3.40	3.10	2.50	8.14	
6	3.23	1.47	3.29	1.52	2.83	1.52	3.74	2.86	3.66	2.48	7.81	
7	3.34	1.47	3.33	1.59	2.72	1.37	3.72	2.60	3.00	2.24	7.78	
8	3.19	1.49	3.27	1.70	3.20	1.53	3.14	2.20	2.90	2.04	7.46	
9	3.05	1.36	2.93	1.58	3.11	1.75	3.60	2.20	3.04	2.04	7.11	
10	3.46	1.42	3.14	1.55	3.26	1.61	3.74	2.24	3.44	2.04	6.85	
11	3.63	1.86	3.17	1.73	3.43	1.76	3.26	2.04	3.80	2.50	6.72	
12	3.60	1.79	3.24	1.70	3.29	1.76	2.50	1.70	3.30	2.32	6.73	
13	3.46	1.83	2.53	1.29	3.54	1.72	3.60	1.84	3.84	2.48	6.84	
14	3.24	1.57	3.43	1.48	3.78	2.07	3.44	2.00	4.70	3.42	6.77	
15	3.34	1.73	3.22	1.70	3.85	2.05	2.70	1.74	4.54	3.60	6.40	
16	3.09	1.59	3.59	1.68	3.27	1.86	2.84	1.60	4.44	3.60	5.17	
17	3.19	1.55	3.75	1.94	3.11	1.53	2.90	1.64	4.38	3.60	7.06	
18	3.18	1.49	3.54	1.87	3.26	1.67	2.78	1.60	5.30	---	8.62	
19	3.18	1.52	3.61	1.74	3.39	1.75	2.64	1.50	5.64	---	9.20	
20	3.07	1.47	3.65	1.86	2.64	1.43	3.00	1.60	5.70	---	9.41	
21	2.81	1.37	3.46	1.79	2.80	1.46	3.88	2.40	5.82	---	9.76	
22	2.83	1.29	3.27	1.67	3.11	1.72	4.34	3.18	5.80	---	10.56	
23	3.21	1.57	3.20	1.75	2.75	1.66	3.92	2.84	5.84	---	12.94	
24	2.94	1.71	2.71	1.51	2.41	1.48	3.68	2.70	5.60	---	14.50	
25	2.68	1.62	3.01	1.34	2.28	1.34	3.68	2.54	5.78	---	15.23	
26	2.79	1.59	2.96	1.67	2.47	1.31	3.74	2.44	6.50	---	15.53	
27	3.43	1.84	2.49	1.35	2.65	1.37	4.08	2.44	7.10	---	15.54	
28	3.53	1.96	3.15	1.47	2.87	1.39	4.30	2.74	7.50	---	15.39	
29	3.44	1.89	2.94	1.51	2.90	1.44	4.50	3.04	---	---	15.09	
30	3.29	1.78	2.53	1.26	3.21	1.40	4.54	3.18	---	---	14.61	
31	3.16	1.68	---	---	3.84	1.93	4.24	2.94	---	---	14.00	
MEAN	3.23	1.62	3.20	1.61	3.06	1.58	3.68	2.41			9.78	

## Santee River Basin

02171700 Santee River Near Jamestown, SC--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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	13.40	---	3.66	2.88	2.77	1.55	2.83	1.57	2.22	1.31	3.13	1.41
2	12.82	---	3.16	2.41	2.69	1.35	2.53	1.37	2.21	1.23	3.47	1.60
3	12.30	---	2.86	2.12	2.70	1.54	2.32	1.27	2.44	1.27	3.35	1.52
4	11.84	---	2.36	1.84	2.57	1.44	2.22	1.19	2.59	1.28	3.17	1.40
5	11.50	---	2.48	1.78	2.40	1.33	---	1.37	2.64	1.29	3.15	1.34
6	11.33	---	2.58	1.89	2.75	1.46	---	---	2.64	1.31	2.82	1.38
7	11.30	---	2.71	1.84	3.04	1.54	---	---	2.84	1.42	3.14	1.48
8	11.24	---	2.67	1.71	3.33	1.55	5.24	---	2.54	1.50	3.10	1.52
9	11.08	---	3.02	1.47	3.93	2.01	4.43	3.25	3.08	1.57	3.32	1.58
10	10.83	---	3.14	1.82	3.51	2.04	3.39	2.18	3.10	1.51	3.23	1.61
11	10.57	---	2.88	1.64	3.92	1.96	4.01	2.00	2.85	1.41	2.84	1.36
12	10.30	---	2.39	1.53	3.94	1.89	3.89	1.83	2.46	1.30	2.47	1.14
13	10.22	---	2.85	1.65	3.73	1.71	3.66	1.70	2.52	1.20	2.37	1.02
14	10.51	---	3.17	1.50	3.44	1.53	3.38	1.75	3.02	1.51	2.32	1.04
15	10.89	---	2.75	1.41	3.18	1.75	3.11	1.60	3.24	1.60	3.37	1.24
16	14.06	---	2.76	1.58	3.30	1.63	3.36	1.72	3.24	1.56	3.31	1.70
17	15.60	---	2.86	1.40	3.13	1.67	3.34	1.76	3.10	1.50	3.04	1.41
18	16.32	---	3.64	1.78	3.11	1.64	2.97	1.49	2.93	1.38	2.71	1.28
19	16.39	---	3.60	2.02	2.96	1.60	2.61	1.29	2.47	1.14	2.78	1.24
20	16.14	---	3.09	1.69	2.99	1.48	2.28	1.10	2.79	1.22	2.88	1.37
21	15.38	---	2.63	1.47	2.97	1.45	2.12	1.01	2.71	1.24	2.85	1.54
22	14.34	---	2.65	1.45	3.39	1.53	1.41	1.00	2.30	1.23	2.44	1.35
23	13.26	---	2.64	1.39	3.33	1.71	2.17	1.13	2.66	1.09	2.98	1.50
24	12.38	---	2.78	1.30	2.58	1.43	2.82	1.24	2.35	1.20	3.00	1.57
25	11.54	---	2.71	1.59	3.04	1.21	2.65	1.40	2.75	1.39	3.06	1.55
26	10.82	---	3.22	1.59	2.64	1.37	2.76	1.48	3.12	1.69	3.30	1.71
27	10.11	---	3.24	1.52	3.08	1.31	3.27	1.70	3.26	1.57	3.45	1.62
28	8.50	---	3.16	1.70	2.63	1.16	3.27	1.70	2.85	1.42	3.68	1.82
29	6.12	4.22	3.40	1.57	2.30	1.10	3.14	1.63	2.44	1.26	3.79	1.95
30	4.46	3.15	2.94	1.41	2.30	1.32	2.93	1.66	2.80	1.25	3.83	1.98
31	---	---	2.74	1.44	---	---	2.53	1.43	3.10	1.43	---	---
MEAN			2.93	1.69	3.06	1.54			2.75	1.36	3.08	1.47

NOTE.--Daily maximum gage height only Feb. 18 to Apr. 29.

## 02171730 SANTÉE RIVER NEAR HONEY HILL, SC

LOCATION.--Lat 33°14'43", long 79°31'20", Berkeley County, Hydrologic Unit 03050112, near right bank 1.7 mi downstream from Echaw Creek, 4.9 mi northeast of Honey Hill, and at mile 25.0.

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 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 gage height, 26.61 ft Mar. 24, 1975; minimum, 11.77 ft Jan. 25, 1979 and Mar. 17, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.96 ft Apr. 20; minimum, 12.50 ft July 21.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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	16.49	13.67	16.42	13.52	16.33	13.03	16.84	13.72	16.92	14.32	18.56	17.62
2	16.65	13.96	16.61	13.65	16.24	12.92	17.08	13.90	17.12	14.70	18.48	17.62
3	16.72	14.18	16.77	13.69	16.44	13.06	17.45	14.93	16.48	13.34	18.48	17.72
4	16.58	13.94	16.81	13.85	16.37	13.26	17.35	15.05	15.18	13.38	18.48	17.66
5	16.46	13.63	16.11	13.14	16.49	13.34	17.12	14.62	15.82	13.92	18.35	17.41
6	16.45	13.53	16.47	13.29	16.03	13.35	16.64	14.24	16.48	14.54	18.11	17.43
7	16.58	13.58	16.51	13.56	16.07	13.21	16.66	14.42	15.92	13.76	18.11	17.50
8	16.48	13.64	16.44	13.81	16.39	13.98	16.08	13.70	15.76	13.26	18.11	17.41
9	16.39	13.49	16.13	13.60	16.36	13.91	16.60	14.02	15.94	13.46	17.92	17.13
10	16.69	13.56	16.34	13.54	16.51	13.65	16.74	14.18	16.36	13.64	17.70	16.84
11	16.79	14.22	16.36	13.93	16.66	13.81	16.30	13.76	16.76	14.24	17.66	16.62
12	16.79	14.08	16.43	13.81	16.60	13.74	15.50	13.20	16.16	13.58	17.60	16.49
13	16.63	14.16	15.84	13.08	16.67	13.52	16.60	13.52	16.82	14.00	17.80	16.58
14	16.53	13.71	16.63	13.52	16.82	14.05	16.50	13.84	17.64	15.50	17.72	16.57
15	16.58	13.95	16.38	13.86	16.84	14.06	16.00	13.44	17.16	14.90	17.42	15.87
16	16.37	13.77	16.76	13.88	16.42	13.70	15.98	13.20	16.96	15.04	17.05	15.24
17	16.48	13.68	16.81	14.28	16.35	13.20	16.02	13.40	17.04	15.06	18.27	16.14
18	16.47	13.66	16.68	14.16	16.45	13.62	15.94	13.36	17.20	15.46	19.06	18.59
19	16.44	13.71	16.70	13.99	16.53	13.75	15.76	13.30	17.30	16.00	19.27	18.84
20	16.35	13.63	16.75	14.23	15.92	13.35	16.18	13.70	17.34	15.98	19.29	18.89
21	16.04	13.40	16.56	14.17	16.02	13.31	16.90	14.90	17.44	15.93	19.48	18.89
22	16.06	13.35	16.43	13.97	16.20	13.87	17.30	14.62	17.40	16.08	19.21	18.94
23	16.38	13.93	16.36	14.08	15.86	13.44	16.76	14.74	17.48	15.99	20.37	---
24	16.06	14.07	15.81	13.72	15.54	13.39	16.50	14.02	17.42	15.60	21.43	---
25	15.76	13.67	16.13	13.28	15.48	13.00	16.52	13.68	17.62	15.94	21.94	---
26	15.78	13.30	16.17	13.87	15.75	12.99	16.60	13.80	17.80	15.94	22.38	---
27	16.44	13.76	15.71	13.17	15.95	13.08	16.98	13.96	18.30	16.70	22.59	---
28	16.58	14.13	16.39	13.43	16.24	13.07	17.22	14.44	18.78	17.30	22.60	---
29	16.55	14.00	16.18	13.33	16.28	13.10	17.32	14.50	---	---	22.51	---
30	16.37	13.78	16.00	12.83	16.41	12.93	17.44	14.74	---	---	22.33	---
31	16.34	13.65	---	---	16.99	13.78	17.10	14.56	---	---	22.08	---
MEAN	16.43	13.77	16.39	13.67	16.30	13.43	16.64	14.05	16.95	14.91		



## Santee River Basin

02171730 Santee River Near Honey Hill, SC--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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	21.81	---	16.37	13.66	15.94	13.30	16.10	13.49	15.43	12.98	16.43	13.50
2	21.47	---	15.99	13.38	15.91	13.68	15.76	13.28	15.52	12.80	16.70	13.94
3	21.17	---	15.75	13.27	15.84	13.50	15.50	13.05	15.78	12.86	16.60	13.64
4	20.75	---	15.25	13.00	15.76	13.37	15.47	12.89	15.98	12.81	16.50	13.34
5	20.46	---	15.41	13.47	15.69	13.12	15.91	12.92	16.09	12.76	16.51	13.27
6	20.28	---	15.53	13.41	15.99	13.38	16.28	13.35	16.13	12.75	16.52	13.34
7	20.17	---	15.70	13.59	16.28	13.31	17.52	13.75	16.30	12.97	16.47	13.52
8	20.14	19.97	15.71	13.36	16.54	13.20	17.68	15.55	16.53	13.01	16.36	13.61
9	20.04	19.83	16.16	13.24	17.06	14.07	17.35	14.56	16.11	13.30	16.61	13.74
10	19.87	19.58	16.31	13.69	17.06	14.03	17.03	13.82	16.52	13.23	16.48	13.77
11	19.63	19.33	16.07	13.24	16.49	13.95	16.53	13.97	16.29	13.13	16.13	13.39
12	19.62	19.28	16.08	13.07	17.08	13.86	16.99	13.80	15.83	12.71	15.83	13.03
13	19.94	19.23	16.41	13.39	16.93	13.61	16.82	13.69	15.94	12.76	15.72	12.88
14	19.64	19.33	15.56	13.07	16.67	13.36	16.57	13.60	16.36	13.53	15.77	12.99
15	19.87	19.59	16.01	12.92	16.48	13.61	16.35	13.65	16.48	13.73	16.59	13.46
16	21.13	---	16.06	12.99	16.57	13.73	16.54	13.86	16.47	13.72	16.55	14.18
17	21.79	---	15.92	13.56	16.38	13.66	16.53	13.91	16.34	13.66	16.33	13.68
18	22.51	---	16.80	14.13	16.33	13.64	16.26	13.51	16.22	13.45	16.07	13.41
19	22.93	---	16.74	14.22	16.22	13.53	15.90	13.17	15.82	12.94	16.16	13.31
20	22.96	---	16.29	13.59	16.29	13.38	15.57	12.72	16.14	13.15	16.24	13.48
21	22.80	---	15.86	13.22	16.30	13.35	15.49	12.50	16.09	13.19	16.14	13.66
22	22.35	---	15.92	13.17	16.66	13.57	15.63	12.50	16.03	13.19	16.11	13.35
23	21.79	---	15.94	13.08	16.58	13.75	16.23	12.85	15.80	12.89	16.27	13.60
24	21.39	---	16.11	13.03	16.34	13.37	16.01	13.03	16.00	13.12	16.26	13.73
25	20.78	---	16.50	13.47	16.02	13.01	16.01	13.32	16.02	13.50	16.27	13.65
26	20.06	---	16.44	13.37	15.46	13.33	15.70	13.50	16.38	13.90	16.56	13.94
27	19.42	---	15.64	13.34	16.38	13.17	16.55	13.84	16.41	13.82	16.68	13.89
28	18.06	16.73	16.41	13.69	15.97	12.90	16.52	13.83	16.12	13.53	16.87	14.21
29	16.53	15.01	16.59	13.45	15.62	12.87	16.40	13.71	15.81	13.23	16.98	14.40
30	16.75	14.13	16.15	13.27	15.62	13.15	16.20	13.54	16.11	13.22	17.02	14.40
31	---	---	15.94	13.45	---	---	15.77	13.23	16.35	13.56	---	---
MEAN			16.05	13.38	16.28	13.46	16.30	13.50	16.11	13.21	16.39	13.61

NOTE.--Daily maximum gage height only Mar. 23-Apr. 7, Apr. 16-27.

02171800 NORTH SANTEE RIVER NEAR NORTH SANTEE, SC

LOCATION.--Lat 33°12'27", long 79°23'05", Georgetown County, Hydrologic Unit 03050112, near left bank at Hopsewee Plantation, 0.10 mi upstream from U.S. Highway 17, 1.3 mi southwest of North Santee, and at mile 13.0.

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 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 gage height, 9.93 ft Mar. 25, 1975; minimum, 0.03 ft Jan. 25, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.25 ft Mar. 27; minimum, 1.32 ft July 21.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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	6.81	2.55	6.77	2.11	6.77	1.57	7.15	2.02	7.00	2.52	7.40	3.52
2	6.99	2.81	7.02	2.27	6.72	1.45	7.24	2.23	7.14	3.04	7.12	3.30
3	7.01	3.02	7.16	2.32	6.93	1.69	7.32	2.79	6.34	1.36	6.96	3.44
4	6.93	2.71	7.18	2.49	6.77	1.91	7.20	3.15	4.94	1.54	7.46	3.26
5	6.84	2.36	6.52	1.74	6.89	2.16	6.96	2.84	5.62	2.40	6.63	3.13
6	6.80	2.30	6.79	2.13	6.34	2.17	6.48	2.72	6.48	2.46	6.45	3.45
7	6.96	2.43	6.78	2.44	6.44	2.14	6.60	2.14	5.88	2.32	6.28	3.30
8	6.77	2.50	6.70	2.70	6.62	2.88	6.04	2.70	5.78	1.94	6.30	3.34
9	6.73	2.44	6.40	2.34	6.65	2.65	6.68	3.34	5.96	2.06	6.51	3.49
10	1.03	2.67	6.64	2.66	6.77	3.39	6.82	2.88	6.54	2.28	6.43	3.17
11	7.03	3.33	6.67	2.81	6.98	2.69	6.48	2.40	6.80	2.56	7.42	3.06
12	7.09	3.08	6.72	2.58	6.89	2.57	5.68	1.78	6.12	1.84	6.56	2.77
13	6.93	3.07	6.13	1.78	6.97	2.44	6.74	2.32	6.70	2.36	6.93	2.88
14	6.91	2.48	7.01	2.55	7.04	2.84	6.68	2.54	7.56	3.56	6.81	3.06
15	6.94	2.78	6.65	2.69	7.03	2.86	6.16	2.06	6.96	2.82	6.72	2.77
16	6.69	2.52	7.10	2.91	6.59	2.32	6.26	1.92	6.78	2.94	7.46	2.83
17	6.83	2.61	7.12	3.29	6.67	2.00	6.30	2.28	6.72	3.08	8.05	4.76
18	6.79	2.56	6.95	3.25	6.71	2.69	6.20	2.18	6.74	3.14	7.43	4.68
19	6.74	2.66	6.99	3.15	6.78	2.85	6.06	2.36	6.76	3.10	6.80	3.61
20	6.70	2.66	6.99	3.49	6.20	2.42	6.40	3.00	6.70	3.12	6.55	3.98
21	6.33	2.50	6.73	3.49	6.27	2.45	7.08	4.22	6.90	2.96	7.50	3.18
22	6.34	2.61	6.64	3.26	6.40	2.98	7.38	3.26	6.82	3.28	5.55	3.13
23	6.60	3.32	6.53	3.29	5.99	2.38	6.72	2.38	6.94	2.90	6.35	3.78
24	6.18	3.01	5.92	2.39	5.72	2.00	6.42	1.90	6.98	2.34	7.72	5.27
25	5.83	2.52	6.34	3.10	5.78	1.84	6.52	2.54	7.24	2.96	7.19	4.74
26	5.91	2.37	6.44	2.14	6.13	2.31	6.68	1.90	7.32	2.58	7.98	5.56
27	6.55	3.17	6.01	2.07	6.35	1.81	7.19	2.22	7.70	3.28	8.25	6.58
28	6.73	3.16	6.71	2.45	6.68	1.73	7.32	2.78	8.00	3.94	7.88	6.54
29	6.77	2.88	6.51	1.94	6.69	1.67	7.36	2.48	---	---	8.05	6.55
30	6.57	2.53	6.50	1.38	6.82	1.36	7.46	2.78	---	---	8.13	6.53
31	6.66	2.23	---	---	7.41	2.34	7.14	2.60	---	---	8.00	6.66
MEAN	6.71	2.70	6.69	2.57	6.61	2.28	6.73	2.54	6.69	2.67	7.12	4.07

02171800 NORTH SANTEE RIVER NEAR NORTH SANTEE, SC--Continued

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

[illegible]

## 02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH SANTEE, SC

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 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 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 gage height, 22.99 ft Mar. 17, 1983; minimum, 14.23 ft Jan. 9, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.99 ft Mar. 17; minimum, 15.97 ft Aug. 12.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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	21.67	17.29	21.61	16.79	21.67	16.26	22.03	16.60	21.82	17.00	22.10	17.30
2	21.81	17.50	21.90	16.92	21.60	16.11	22.12	16.66	22.07	17.50	21.66	17.24
3	21.81	17.56	22.00	16.97	21.80	16.34	22.09	17.17	19.92	16.00	21.45	17.40
4	21.73	17.26	22.09	17.14	21.63	16.60	21.91	17.61	19.69	16.16	20.87	17.24
5	21.70	17.08	21.32	16.46	21.71	16.86	21.63	17.39	20.31	17.02	21.13	17.19
6	21.66	17.03	21.60	16.85	21.09	16.86	21.17	17.29	21.19	17.12	20.91	17.55
7	21.78	17.13	21.57	17.15	21.16	16.81	21.37	16.66	20.59	16.64	20.81	17.26
8	21.59	17.18	21.41	17.38	21.32	17.60	20.75	17.31	20.55	16.70	20.86	17.53
9	21.55	17.14	21.07	17.06	21.38	17.33	21.49	17.47	20.72	17.08	20.98	17.44
10	21.86	17.41	21.37	17.33	21.54	17.38	21.66	17.79	21.34	16.94	20.94	17.60
11	21.83	17.97	21.41	17.45	21.82	17.40	21.26	17.05	21.61	17.08	21.13	17.22
12	21.92	17.73	21.47	17.28	21.67	17.12	20.50	16.49	20.85	16.40	21.11	17.01
13	21.70	17.75	20.91	16.45	21.78	17.13	21.60	17.06	21.46	16.84	21.46	17.09
14	21.73	17.06	21.84	17.33	21.84	17.53	21.45	17.18	22.41	17.80	21.40	17.21
15	21.75	17.45	21.35	17.34	21.80	17.51	20.94	16.77	21.72	17.24	21.30	17.01
16	21.48	17.15	21.91	17.65	21.29	17.01	21.08	16.63	21.55	17.38	22.28	17.20
17	21.69	17.28	21.94	17.97	21.47	16.69	21.08	17.04	21.41	17.46	22.99	18.86
18	21.66	17.27	21.71	17.91	21.45	17.42	20.96	16.86	21.39	17.56	22.11	18.17
19	21.53	17.33	21.78	17.85	21.62	17.58	20.78	17.06	21.11	17.46	20.70	17.19
20	21.45	17.37	21.72	18.18	20.92	17.14	21.10	17.68	21.23	17.50	21.32	17.64
21	21.04	17.25	21.46	18.23	20.98	17.24	21.83	18.74	21.47	17.32	22.18	16.79
22	21.04	17.35	21.31	18.00	21.05	17.69	22.18	17.82	21.45	17.58	19.92	16.66
23	21.33	18.02	21.21	18.04	20.65	17.09	21.42	17.02	21.56	16.66	20.74	17.23
24	20.80	17.71	20.59	17.13	20.39	16.66	21.13	16.46	21.64	17.44	21.63	18.51
25	20.50	17.26	20.99	17.81	20.51	16.58	21.33	16.42	22.01	17.22	21.70	17.49
26	20.62	17.07	21.15	16.84	20.87	16.51	21.42	17.08	22.07	16.66	22.19	17.77
27	21.22	17.85	20.70	16.77	21.17	16.81	21.99	16.68	22.46	17.26	22.42	18.26
28	21.49	17.87	21.47	17.62	21.55	16.40	22.23	17.20	22.81	17.84	21.78	17.59
29	21.51	17.55	21.27	16.64	21.52	16.34	22.24	16.88	---	---	21.99	17.54
30	21.29	17.18	21.31	16.03	21.73	16.01	22.41	17.12	---	---	22.23	17.79
31	21.42	16.89	---	---	22.34	17.01	22.04	17.02	---	---	22.14	18.26
MEAN	21.49	17.39	21.45	17.29	21.40	16.94	21.52	17.10	21.37	17.10	21.50	17.49



## SANTÉE RIVER BASIN

02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH SANTEE, SC--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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	21.78	17.86	---	---	20.91	17.15	21.12	17.46	20.22	16.74	21.38	17.20
2	21.53	18.30	---	---	20.84	17.51	20.60	16.97	20.31	16.33	21.73	17.06
3	20.09	17.34	---	---	20.70	17.59	20.36	16.74	20.63	16.45	21.69	17.02
4	20.60	17.52	---	---	20.26	17.00	20.40	16.50	20.96	16.36	21.69	16.72
5	20.70	17.72	---	---	20.52	16.61	21.00	16.57	21.17	16.17	21.77	16.48
6	20.79	17.58	---	---	20.83	16.93	21.22	16.69	21.27	16.07	21.83	16.48
7	20.61	17.60	---	---	21.27	16.75	22.02	17.12	21.46	16.09	21.74	16.60
8	20.95	17.57	---	---	21.67	16.39	22.15	17.18	21.77	16.03	21.68	16.73
9	20.90	17.56	---	---	22.37	17.44	22.09	16.77	21.75	16.42	21.82	17.05
10	20.94	17.11	---	---	22.31	17.18	22.20	16.60	21.47	16.29	21.57	17.04
11	21.23	16.89	21.25	---	22.40	17.13	22.24	17.00	20.94	16.29	21.16	16.78
12	21.70	17.29	21.33	16.17	22.22	16.95	22.07	16.88	20.44	15.97	20.88	16.54
13	21.91	17.41	21.74	16.51	21.90	16.68	21.74	16.87	20.98	16.03	20.78	16.56
14	22.05	17.44	21.28	16.22	20.68	16.58	20.98	16.90	21.23	17.05	20.83	16.71
15	21.90	17.35	21.44	16.12	21.69	16.94	21.42	16.89	21.44	17.33	21.56	17.99
16	21.78	17.12	20.33	16.19	21.63	17.10	21.54	17.18	21.41	17.58	21.48	18.10
17	21.78	17.62	21.01	16.93	21.39	17.00	21.50	17.32	21.31	17.17	21.33	17.61
18	21.53	17.55	22.06	17.56	21.27	17.00	21.22	17.05	21.17	17.01	21.07	17.30
19	21.56	17.53	21.75	17.12	21.19	16.92	20.90	16.74	20.83	16.70	21.19	17.14
20	21.43	17.26	21.30	16.80	20.69	16.83	20.63	16.19	21.23	16.91	21.30	17.17
21	21.19	17.61	20.89	16.59	21.49	16.94	20.61	16.50	21.14	16.94	21.15	17.22
22	21.34	17.47	21.04	16.51	21.92	17.22	20.95	16.22	21.10	16.86	21.16	16.71
23	22.26	17.79	21.11	16.35	21.73	17.06	21.35	16.50	20.93	16.62	21.27	17.17
24	21.62	17.41	21.39	16.36	21.49	16.94	21.07	16.69	21.11	16.70	21.25	17.21
25	21.44	16.66	21.75	16.80	21.21	16.82	21.02	16.92	21.36	17.11	21.29	17.30
26	21.68	17.02	21.68	16.67	21.57	16.96	21.53	17.28	21.30	17.03	21.52	17.61
27	21.40	16.66	21.61	16.82	21.07	17.00	21.39	17.56	21.11	17.11	21.67	17.69
28	---	16.66	21.77	17.16	20.58	16.70	21.18	17.49	20.86	17.20	21.84	18.00
29	---	---	21.17	17.06	19.69	16.74	20.67	17.47	20.74	16.86	21.97	18.29
30	---	---	20.17	17.00	20.68	16.86	20.98	17.20	21.11	16.98	22.09	18.18
31	---	---	20.57	17.05	---	---	---	16.74	21.24	17.28	---	---
MEAN			21.27	16.70	21.27	16.96		16.91	21.10	16.70	21.46	17.19
YEAR	21.37	17.11										

02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH Santee, SC--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: The maximum specific conductance for the period of daily record has been revised to 63,800 micromhos for June 28, 1980. This value supercedes previously published values.

MINIMUM: Less than 100 micromhos several days March 1979, April 1980, January, February, March, April 1981, January, February, 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 56,000 micromhos Sept. 30.

MINIMUM: 100 micromhos several days March, April.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26400	18800	22980	25000	13700	18350	24800	13600	18450	44000	23500	31320
2	27200	19400	23690	28600	15100	20250	28100	13600	19970	42900	22300	30540
3	27400	21000	24720	29500	15800	21140	28200	17700	22970	37500	15900	27160
4	25900	21800	24450	30800	16600	21360	27600	18600	22660	30700	14400	21460
5	26400	21800	23990	22500	14400	18150	27600	17900	22230	24600	11100	17940
6	27200	21900	24320	22500	13400	16300	27400	17000	20950	17500	6100	13200
7	25800	22300	24080	22800	13800	17200	23900	16800	20000	16200	5700	10900
8	25700	20900	23470	21800	14500	18120	26700	15900	21070	13900	4900	9845
9	25100	19500	23200	20800	14700	17800	23800	16100	20170	24100	10200	15910
10	24900	19400	22670	22800	15300	18450	---	---	---	24200	13000	17120
11	24800	18700	23010	24200	16000	19830	---	---	---	17600	12000	14150
12	34500	21200	29220	23000	16100	19470	---	---	---	13200	9200	11370
13	34300	26600	31550	20100	14900	17150	33100	24200	28960	27600	9400	16600
14	34800	26000	30790	25800	15100	19140	38200	24100	30960	25400	12500	19080
15	34600	27300	31570	22000	15300	19250	37900	22200	30070	22700	13900	17070
16	32700	27500	30540	26000	16700	20310	32400	15100	24720	22400	8700	15360
17	33400	28400	30840	24200	17000	20800	30900	19000	24150	23800	12300	17420
18	33300	27200	30840	23900	17400	20380	32900	20900	26650	22900	12200	17020
19	33400	28200	31120	24100	15400	19900	33000	21200	26460	23500	10100	16170
20	32700	29000	31060	23500	15200	19750	29500	20100	23990	24100	15600	18750
21	31500	27200	29850	24900	14800	20200	29100	20400	24070	30200	19200	24620
22	31100	28000	29410	22500	14700	19290	32100	21600	25800	30500	20300	26470
23	31500	26800	29250	23400	17300	20310	30400	15300	22850	29100	13300	22430
24	28200	19700	23620	21300	15900	18050	24600	10200	17220	20700	10500	15580
25	20800	13800	17010	21800	14900	17530	19900	9600	14850	20100	5000	14220
26	16300	8000	12810	21900	15500	17950	23400	13700	16510	30100	9000	17550
27	17700	10200	13450	19900	15300	17260	26700	15900	19330	40800	14400	23720
28	23200	11800	15850	27500	15600	19420	33100	16000	22450	36900	16200	24690
29	21800	11700	16610	22600	14700	18290	38100	17200	24710	44400	11100	24480
30	22400	13500	18030	24700	11300	17370	46600	16700	28950	42500	13200	25170
31	21700	14200	17500	---	---	---	46200	19700	31770	33700	6200	22120

02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH SANTEE, SC

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	30300	11400	21140	10200	2000	5329	400	100	208	6200	1700	2625
2	29200	11000	20220	4300	500	2512	400	100	216	4400	2100	2908
3	24200	3400	12640	2800	600	1808	500	100	287	5700	2600	3800
4	8600	1900	5320	2100	400	1187	500	100	279	7200	3300	5075
5	15100	5000	8475	1800	400	916	800	100	375	10400	5400	7083
6	20600	10300	13280	1800	300	808	700	200	420	14300	8000	11030
7	15300	8700	11520	1700	200	720	800	200	433	17500	10700	12820
8	14400	7100	10440	1700	300	837	700	200	383	17200	10600	13680
9	15700	10000	12630	2400	400	1066	800	200	379	22400	11600	14930
10	20900	11700	15400	3800	400	1341	700	200	391	30200	13400	20710
11	18500	10100	12760	7500	800	2587	900	100	579	30400	15900	22050
12	10400	2700	7795	7300	1000	2920	4000	400	1500	35300	16000	22750
13	17600	3000	10470	7200	1600	3783	2700	300	1562	42100	18600	26080
14	31400	9800	16300	4400	1400	3041	1800	400	1241	34300	16500	26870
15	13400	5900	9954	4000	1500	2666	1500	300	895	38800	15100	26440
16	9500	3700	7087	11600	1900	4429	1600	300	820	38200	18800	28160
17	6500	1900	4412	25800	3300	10760	1700	100	637	37300	26600	31510
18	4400	600	2545	14100	600	4516	1200	100	595	45400	26500	34670
19	3400	400	1991	3200	400	1425	600	100	312	43200	28700	33140
20	3900	200	1695	2100	200	950	500	100	233	37300	28500	32490
21	5300	400	1750	1600	200	954	300	100	200	34700	22800	31290
22	5000	500	1816	1500	200	750	400	100	208	35800	24400	31260
23	3200	800	1912	1300	200	579	300	100	170	37100	26200	31390
24	12100	300	3287	1100	100	570	400	100	216	44000	28900	32760
25	8400	3100	4879	1000	200	454	500	100	250	46800	30300	35980
26	17600	700	5870	900	100	408	2200	100	508	44300	30800	36200
27	26700	3400	9212	800	100	395	1500	200	712	43500	30200	36070
28	21200	4700	9125	700	100	354	1500	300	845	44900	31000	36950
29	---	---	---	600	100	308	2900	1000	1566	42800	30700	36450
30	---	---	---	400	100	262	6600	1200	2133	40100	30000	34440
31	---	---	---	400	100	241	---	---	---	36900	30400	32950
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	36500	30000	32350	40500	31200	34590	34200	29200	31270	32600	28000	29570
2	36500	29100	32110	37000	31500	33730	32200	27500	30180	32200	27900	29610
3	35700	29900	31820	35400	30700	32730	33600	28300	30110	30400	26900	28900
4	34100	29900	31360	33900	30800	31770	36000	28000	30410	33100	13200	28550
5	32200	28700	30320	34900	28900	31260	38800	29500	31170	32200	24100	29210
6	34800	29900	31260	40000	30100	32580	39600	29700	32300	34900	15900	29140
7	38900	30000	32570	50400	30600	36100	---	---	---	33600	27700	30420
8	46100	29300	34030	46500	28300	36350	---	---	---	33600	28400	30630
9	46800	30600	37240	45900	17700	30980	---	---	---	33700	28500	30950
10	46400	31900	37850	45900	19000	28840	---	---	---	34100	29400	31380
11	46900	31600	39410	46400	22700	30860	---	---	---	32100	28400	30520
12	47200	31400	39660	46200	27000	32030	---	---	---	34700	26400	29660
13	45800	30300	39090	46300	28300	32700	---	---	---	29900	26900	29020
14	45400	32000	38140	42100	28200	32690	---	---	---	29000	13300	26430
15	44700	33000	38290	38300	29200	33020	---	---	---	31800	27300	28460
16	44700	29900	38170	41300	30000	35150	39700	32700	36080	31960	19720	24710
17	41700	30400	36690	40900	31000	35880	38100	23800	34550	30960	27140	28630
18	40200	30600	36070	38300	30800	34430	36200	26700	33330	29160	25200	28040
19	39500	29000	35100	35000	29400	32100	34400	30000	31620	29300	26780	27900
20	39000	28700	34140	30900	21400	29160	35400	16100	30610	29160	13100	26950
21	39000	31200	34310	32000	21500	28120	34700	29800	31620	27720	12670	25860
22	45300	30600	35470	38000	24000	29010	33400	28500	31070	27280	8064	24760
23	42700	30600	36030	44200	28200	33200	32700	21100	29580	28720	24550	26600
24	41200	31100	35820	38800	29800	33200	33400	29200	30830	28800	14180	26820
25	38900	31000	34800	38300	30600	33940	35500	29500	31600	30020	26560	27950
26	43000	31700	35210	43500	30200	34130	35500	29400	31940	32110	26560	28700
27	39600	30900	34680	41500	31400	36220	34400	27500	32170	33400	26920	29310
28	39000	28400	34380	41600	32000	36390	33500	28800	31270	34840	27210	30220
29	37000	30500	32520	40200	32100	36070	31900	28700	30340	35560	27570	31120
30	37000	31000	32950	39500	30900	34890	31000	28900	29690	35850	27930	31600
31	---	---	---	37200	30100	33010	32600	27700	29730	---	---	---
YEAR	50400	100	20706									

02171910 SOUTH SANTEE RIVER AT AIC WATERWAY NEAR McCLELLANVILLE, SC

LOCATION.--Lat 33°08'45", long 79°19'22", Charleston County, Hydrologic Unit 03050112, near right bank in Santee Gun Club, 1.3 mi downstream from Pleasant Creek, 9.0 mi northeast of McClellanville, and at mile 5.1.

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 above National Geodetic Vertical Datum of 1929 (National Ocean Survey benchmark).

REMARKS.--Tidal gage heights.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 26.44 ft Nov. 6, 1975; minimum, 15.13 ft Jan. 25, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 23.57 ft Mar. 17; minimum recorded, 16.24 ft Feb. 3.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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	22.21	17.44	22.10	16.98	22.24	16.45	22.60	16.80	22.38	17.16	22.56	17.50
2	22.35	17.70	22.46	17.15	22.18	16.37	22.70	16.91	22.66	17.74	22.04	17.34
3	22.35	17.84	22.59	17.18	22.38	16.59	22.65	17.36	20.36	16.24	21.90	17.52
4	22.10	17.54	22.66	17.36	22.17	16.79	22.42	17.78	20.12	16.40	21.30	17.42
5	22.25	17.23	21.88	16.67	22.25	17.07	22.07	17.56	20.70	17.20	21.53	17.40
6	22.22	17.19	22.13	17.03	21.62	17.08	22.64	17.33	21.66	17.34	21.30	17.76
7	22.30	17.29	22.05	17.32	21.66	17.02	22.83	16.99	21.02	16.90	21.13	17.53
8	---	---	21.92	17.56	21.83	17.80	22.24	17.50	21.02	16.94	21.19	17.77
9	---	---	21.58	17.25	21.87	17.36	22.97	17.70	21.22	17.29	21.37	17.63
10	---	---	21.86	17.52	22.07	17.56	22.21	18.06	21.80	17.14	21.32	17.79
11	---	---	21.91	17.66	22.38	18.14	21.80	17.26	22.06	17.32	21.52	17.35
12	22.39	---	22.00	17.47	22.28	16.26	20.96	16.72	21.34	16.64	21.50	17.17
13	22.25	17.91	21.49	16.65	22.32	17.36	22.05	17.28	21.92	17.10	21.88	17.24
14	22.27	17.31	22.38	17.47	22.38	17.69	21.24	17.37	22.96	18.02	21.82	17.36
15	22.27	17.64	21.90	17.53	22.36	17.65	21.41	16.99	22.06	17.48	21.74	17.15
16	21.99	17.34	22.47	17.83	21.83	17.20	21.59	16.89	22.02	17.58	22.72	17.33
17	22.50	17.40	22.50	18.21	22.00	16.94	21.58	17.25	21.86	17.66	23.57	19.19
18	22.21	17.39	22.26	18.12	21.95	17.69	21.42	17.00	21.82	17.82	22.55	18.35
19	22.05	17.51	22.34	18.08	22.12	17.82	21.24	17.20	21.48	17.64	21.73	17.33
20	21.95	17.59	22.05	18.43	21.46	17.49	21.52	17.88	21.68	17.72	21.45	17.79
21	21.56	17.47	21.91	18.46	21.51	17.51	22.26	18.96	21.86	17.32	22.61	16.91
22	21.49	17.61	21.78	18.29	21.53	17.92	22.60	17.98	21.84	17.80	20.39	16.89
23	21.80	18.22	21.66	18.26	21.05	17.29	22.92	17.26	21.94	16.86	21.18	17.38
24	21.25	18.02	21.00	17.00	20.81	16.99	21.64	16.70	22.04	17.60	22.00	17.63
25	20.98	17.54	21.43	17.97	20.98	16.82	21.84	16.66	22.48	17.38	22.15	17.72
26	21.05	17.36	21.64	17.04	21.40	16.74	21.94	17.30	22.58	16.90	22.62	17.89
27	21.69	18.04	21.22	17.01	21.69	17.02	22.08	16.92	22.98	17.48	22.88	18.53
28	21.97	18.12	21.98	18.26	22.04	16.63	22.84	17.42	23.24	18.06	22.14	17.82
29	22.04	17.73	21.83	16.86	22.05	16.55	22.86	17.06	---	---	22.51	17.79
30	21.82	17.35	21.85	16.28	22.33	16.26	23.02	17.36	---	---	22.74	18.07
31	21.93	17.07	---	---	22.94	17.16	22.60	17.20	---	---	22.63	18.61
MEAN	21.97	17.57	21.96	17.50	21.93	17.14	22.15	17.31	21.83	17.31	21.93	17.65



GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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	22.19	18.08	20.21	16.83	21.38	17.36	21.63	17.72	20.77	16.91	22.00	17.45
2	21.89	18.47	21.10	16.96	21.28	17.76	21.10	17.20	20.90	16.67	22.34	18.04
3	20.49	17.51	21.01	17.01	21.18	17.46	20.81	17.00	21.26	16.80	22.30	17.37
4	20.97	17.65	20.35	16.79	21.09	17.32	20.89	16.78	21.59	16.72	22.05	16.93
5	21.06	17.89	20.65	17.30	21.02	17.03	21.49	16.98	21.83	16.52	22.46	16.71
6	21.16	17.81	20.68	17.17	---	---	21.74	16.92	21.94	16.39	22.51	16.69
7	20.97	17.81	20.94	17.45	---	---	22.63	17.31	22.18	16.49	22.37	16.94
8	21.36	17.83	21.06	17.12	---	---	22.76	17.36	22.49	16.60	22.28	17.04
9	21.35	17.83	21.65	16.95	---	---	22.72	16.97	22.44	16.72	22.43	17.30
10	21.34	17.29	21.93	17.06	---	---	22.83	16.82	22.10	16.65	22.07	17.28
11	21.65	17.04	21.77	16.60	---	---	22.88	17.19	21.65	16.64	21.72	17.02
12	22.16	17.39	21.85	16.41	---	---	22.68	17.09	21.13	16.35	21.44	16.81
13	22.40	17.60	22.27	16.72	---	---	22.38	17.11	21.64	16.35	21.33	16.84
14	22.52	17.64	21.84	16.46	---	---	21.62	17.08	21.87	17.34	21.34	17.04
15	22.33	17.52	21.97	16.39	---	---	22.01	17.14	21.95	17.60	22.09	18.26
16	22.07	17.28	20.76	16.45	---	---	22.07	17.43	21.96	17.78	21.82	18.01
17	22.22	17.84	21.58	16.99	---	---	22.04	17.54	21.83	17.73	21.71	17.93
18	21.89	17.87	22.60	17.75	---	---	21.78	17.28	21.70	17.51	21.52	17.62
19	21.82	17.78	22.23	17.32	---	---	21.44	17.01	21.34	16.98	21.64	17.52
20	21.84	17.76	21.77	17.05	---	---	21.20	16.52	21.76	17.22	21.77	17.58
21	21.60	17.94	21.42	16.82	21.95	---	21.20	16.39	21.71	17.19	21.69	17.67
22	21.76	17.74	21.52	16.76	22.45	17.38	21.49	16.54	21.63	17.12	21.66	17.13
23	22.73	18.07	21.64	16.61	22.26	17.50	21.92	16.80	21.47	16.86	21.73	17.53
24	22.02	17.63	21.92	16.57	22.00	17.18	21.70	17.02	21.65	16.99	21.70	17.58
25	21.89	16.93	22.27	16.99	21.76	17.05	21.48	17.18	21.88	17.43	21.75	17.63
26	22.08	17.14	22.06	16.89	22.05	17.18	22.06	17.41	21.81	17.73	21.93	17.94
27	21.84	16.85	22.06	17.06	21.58	17.23	22.03	17.87	21.67	17.71	22.17	18.05
28	21.68	16.69	22.30	17.36	21.06	17.04	21.78	17.83	21.35	17.49	22.32	18.35
29	21.52	16.59	21.68	17.31	21.12	17.04	21.26	17.79	21.28	17.17	22.45	18.59
30	21.30	16.73	20.61	17.27	20.74	17.11	21.56	17.53	21.65	17.26	22.55	18.48
31	---	---	21.43	17.27	---	---	21.06	17.09	21.84	17.55	---	---
MEAN	21.74	17.54	21.52	16.96			21.81	17.16	21.69	17.05	21.97	17.51
YEAR	21.85	17.33										

02171910 SOUTH SANTÉE RIVER AT AIC WATERWAY NEAR McCLELLANVILLE, SC--Continued

## WATER-QUALITY RECORDS

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

INSTRUMENTATION.--Servo Programmer since January 1979, USGS mini-monitor since October 1982.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: The maximum specific conductance for the period of daily record has been revised to 60,800 micromhos for December 12, 1982. This value supercedes previously published values.

MINIMUM: Less than 100 micromhos, Jan. 19, 1982, Mar. 2-Apr. 5, 1983.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum 51,800 micromhos May 13.

MINIMUM: Less than 100 micromhos, Mar. 29-Apr. 5.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	22300	21500	21820	45400	12300	27330
2	---	---	---	---	---	---	22600	22000	22240	45400	11100	25720
3	---	---	---	---	---	---	22400	22100	22190	41400	6600	19860
4	---	---	---	---	---	---	22600	22100	22360	33500	3000	13110
5	---	---	---	21300	1500	18990	23200	22200	22660	23200	1300	9845
6	---	---	---	21400	300	19060	23100	22500	22710	11700	1300	5316
7	---	---	---	21600	20400	21250	22900	22500	22760	17100	1100	6604
8	---	---	---	21600	21000	21310	23000	22600	22780	16600	2000	7283
9	---	---	---	21200	20700	21040	23500	22800	23060	23500	3000	10720
10	---	---	---	21100	20200	20550	23100	22900	22970	28200	3000	11620
11	---	---	---	21600	20600	21010	23200	22900	23000	18300	2900	9020
12	48900	33400	40700	22100	21000	21570	23200	23000	23120	21100	2500	8752
13	46400	31900	39750	22200	21400	21830	29500	16300	22940	37200	5800	17950
14	42800	27600	37700	23500	20800	22000	40200	11600	22270	28900	8000	16670
15	42000	30000	38050	23500	22500	23010	35900	10300	21640	26100	5200	13560
16	41400	36800	38540	24400	22300	23290	27400	6700	16250	31300	4800	16310
17	37200	32200	34900	25000	23400	24220	34500	5900	16690	30200	8300	18470
18	32700	29700	30600	24600	23700	24070	30600	9600	18250	27800	9000	16920
19	30200	28100	29200	24900	15800	23290	32000	11000	19200	26900	8000	15740
20	28600	27300	27990	21600	12700	20880	26800	9800	17470	25700	11000	16450
21	28000	26900	27620	21300	21000	21160	28800	11900	19820	33800	14100	23570
22	27300	26400	26820	21200	20900	21020	30100	15700	21300	37900	9400	23620
23	26600	25900	26260	21000	20600	20810	27300	14500	19410	24000	4200	12710
24	26100	18300	23110	20800	20100	20540	24900	11300	16900	17800	1500	7687
25	18200	16200	16900	20500	19900	20150	26100	10500	16600	24100	1600	9212
26	16600	14200	15340	20100	19700	19820	28000	11300	17940	27600	1300	10980
27	17200	14900	16070	20300	19900	20050	28500	11500	18900	41600	2200	18400
28	18200	16900	17280	20800	20100	20410	37100	10800	22030	41600	2400	19370
29	18400	400	10960	21400	20700	21000	40100	11800	23470	46000	2800	21250
30	9200	3200	5025	21800	21200	21410	46200	11300	27050	46100	3500	22260
31	---	---	---	---	---	---	45200	13800	30170	41300	2200	17930

## SANTÉE RIVER BASIN

02171910 SOUTH SANTEE RIVER AT AIC WATERWAY NEAR McCLELLANVILLE, SC

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	35800	2900	15540	---	---	---	600	< 100	---	3700	900	1825
2	35500	3600	17160	---	---	---	400	< 100	---	5100	1400	2404
3	21200	1200	6533	---	---	---	600	< 100	---	20200	5400	12170
4	16400	1400	5308	---	---	---	700	< 100	---	27900	16000	22360
5	21700	2300	8270	---	---	---	600	< 100	---	27600	19100	22810
6	21500	3000	9787	---	---	---	1500	100	663	30500	20200	25220
7	11400	2300	5641	---	---	---	1300	200	625	22800	17800	20970
8	17200	2300	7020	---	---	---	1500	900	1179	30500	16900	23780
9	18500	2400	8825	---	---	---	1400	700	933	34500	24400	29800
10	21700	3100	11080	---	---	---	1000	500	695	32200	26000	29670
11	20800	1000	7275	---	---	---	1000	600	775	32200	26800	29470
12	9000	700	3612	---	---	---	5600	800	2354	29600	26000	27870
13	20900	700	7037	---	---	---	3400	900	1812	51800	29400	32070
14	36000	1400	11260	---	---	---	3900	700	1495	36100	24100	28990
15	7100	700	2330	---	---	---	3000	800	1466	28800	25100	26910
16	---	---	---	---	---	---	1200	600	1058	25300	23200	24530
17	---	---	---	---	---	---	3800	1400	2395	24200	13700	16130
18	---	---	---	---	---	---	1500	900	1208	15600	13500	14490
19	---	---	---	---	---	---	1200	400	941	17000	15000	16180
20	---	---	---	---	---	---	1000	400	866	26300	15800	19020
21	---	---	---	---	---	---	1000	100	747	24400	14900	19390
22	---	---	---	---	---	---	1000	400	762	25800	23100	24350
23	---	---	---	---	---	---	1000	600	866	26700	25000	26010
24	---	---	---	---	---	---	1000	600	837	26600	24600	25900
25	---	---	---	---	---	---	900	500	729	25800	24600	25180
26	---	---	---	---	---	---	2400	600	958	25600	24100	24750
27	---	---	---	---	---	---	2200	300	1004	25700	23600	24390
28	---	---	---	---	---	---	1000	500	716	24700	22900	24070
29	---	---	---	500	100	316	2400	500	716	24700	24300	24470
30	---	---	---	500	< 100	---	3900	600	1429	24700	24400	24520
31	---	---	---	500	< 100	---	---	---	---	24700	24200	24430
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	24700	24200	24380	28700	26900	28250	24900	23100	23890	27900	26900	27440
2	25300	24300	24710	28900	27100	27970	25600	22200	24070	27900	27300	27420
3	26100	22900	25190	29000	27700	28330	25200	22500	23900	28100	27200	27620
4	27800	26000	26790	28600	27700	28200	24900	22400	23930	29900	26900	27870
5	28600	26600	27410	28300	27000	27820	25600	22600	24290	30100	27900	29050

## 02172000 LAKE MOULTRIE NEAR PINOPOLIS, SC

LOCATION.--Lat 33°14'40", long 79°59'30", Berkeley County, Hydrologic Unit 03050201, at powerplant 0.7 mi upstream from Seaboard Coast Line Railroad bridge and 2.8 mi 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 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> between elevation 60.0 ft (normal limit of drawdown) and 76.8 ft (maximum normal elevation). Dead storage, about 16,600,000,000 ft<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 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 Oct. 14, 1959 (affected by high wind); minimum, 58.52 ft Dec. 21, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 75.49 ft Mar. 18, minimum, 70.84 ft Jan. 18.

Capacity table (elevation, in feet) and  
usable contents (in billions of cubic feet)  
(Prepared from volume curve drawn by Harza Engineering Co.)

68.0 ft	12.37 ft <sup>3</sup>
70.0 ft	16.47 ft <sup>3</sup>
72.0 ft	20.91 ft <sup>3</sup>

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.84	74.98	73.83	72.62	72.38	75.20	75.10	74.80	74.89	74.90	74.44	74.19
2	74.81	74.92	73.82	72.70	72.54	75.18	75.07	74.78	74.84	74.94	74.62	74.17
3	74.76	74.84	73.93	72.46	72.70	75.14	75.10	74.79	74.80	74.91	74.64	74.13
4	74.74	74.74	73.95	72.25	72.67	75.11	75.06	74.72	74.71	75.13	74.58	74.11
5	74.70	74.75	73.88	72.10	72.67	75.07	75.04	74.62	74.79	75.08	74.53	74.07
6	74.70	74.75	73.90	71.91	72.76	75.12	75.01	74.69	74.81	74.98	74.51	73.90
7	74.73	74.82	73.81	71.84	72.87	75.17	75.06	74.74	75.07	74.96	74.55	73.88
8	74.85	74.85	73.67	71.81	72.93	75.14	75.07	74.76	75.12	74.96	74.44	73.70
9	74.92	74.65	73.67	71.83	73.02	75.09	75.12	74.79	75.17	74.96	74.29	73.85
10	74.93	74.42	73.53	71.82	73.25	75.08	75.08	74.83	75.15	74.97	74.26	73.91
11	74.94	74.27	73.43	71.77	73.42	75.13	75.07	74.89	75.13	74.94	74.01	73.88
12	74.94	74.22	73.42	71.75	73.56	75.08	75.03	74.90	75.10	74.94	73.94	73.78
13	74.91	74.20	73.17	71.57	73.83	75.06	74.99	74.95	75.10	74.82	74.07	73.83
14	74.95	73.92	73.05	71.37	74.05	75.07	75.00	74.97	75.08	74.82	74.18	73.98
15	74.79	73.74	72.95	71.35	74.14	75.07	75.09	74.97	75.03	74.87	74.25	73.95
16	74.80	73.86	72.99	71.12	74.26	75.07	75.02	75.01	74.99	74.88	74.20	73.95
17	74.82	73.90	72.96	71.01	74.40	75.47	74.99	75.03	74.97	74.92	74.08	73.95
18	74.83	73.97	72.94	70.89	74.52	75.39	75.05	75.08	74.95	74.92	73.93	73.99
19	74.80	73.97	72.99	70.98	74.67	75.12	75.09	75.16	74.96	74.88	73.77	73.95
20	74.84	74.01	72.99	70.93	74.82	74.78	75.10	75.12	74.97	74.83	73.78	74.04
21	74.90	74.08	73.04	71.24	74.94	74.80	75.15	75.01	74.95	74.82	73.89	74.21
22	74.93	74.12	73.11	71.42	75.06	74.66	75.12	74.96	74.96	74.92	73.73	74.22
23	74.99	74.11	73.20	71.60	75.12	74.66	75.15	74.95	74.92	74.92	73.76	74.17
24	75.15	74.05	73.27	71.64	75.11	74.99	75.17	74.96	74.88	75.00	73.88	74.14
25	75.05	73.82	73.33	71.68	75.20	74.98	75.06	75.00	74.82	74.96	74.01	74.14
26	74.93	73.89	73.33	71.73	75.12	74.97	74.97	75.06	74.73	74.88	74.06	74.16
27	74.92	73.90	73.33	71.92	75.08	75.01	74.91	75.12	74.73	74.74	74.09	74.13
28	74.95	73.93	73.20	71.96	75.13	75.12	74.88	75.05	74.79	74.68	74.08	74.09
29	75.00	73.88	73.08	72.13	---	75.11	74.84	75.03	74.85	74.66	74.09	74.13
30	75.06	73.82	73.01	72.16	---	75.08	74.82	75.03	74.90	74.59	74.07	74.17
31	75.10	---	72.80	72.22	---	75.12	---	74.98	---	74.57	74.08	---
MAX	75.15	74.98	73.95	72.70	75.20	75.47	75.17	75.16	75.17	75.13	74.64	74.22
MIN	74.70	73.74	72.80	70.89	72.38	74.66	74.82	74.62	74.71	74.57	73.73	73.70
(+)	28.58	25.30	22.79	21.43	28.66	28.63	27.85	28.26	28.06	27.21	25.95	26.18
(*)	261	-1,265	-937	-508	2,989	-11	-301	153	-77	-317	-470	89

CAL YR 1982 \* -28 MAX 75.63 MIN 72.80  
WTR YR 1983 \* -54 MAX 75.47 MIN 70.89

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.  
(\*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.



02172019 WEST BRANCH COOPER RIVER AT MEPKIN ABBEY NEAR CORDESVILLE, SC

LOCATION.--Lat 33°06'58", long 79°57'22", Berkeley County, Hydrologic Unit 03050201, on left bank of Cooper River 1 mi downstream from junction of Mepkin Creek at river mile 36.7.

PERIOD OF RECORD.--May 1982 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1982 to current year.

INSTRUMENTATION.--USGS mini-monitor since May 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 369 micromhos June 19, 1983; minimum, 48 micromhos May 25, 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 369 micromhos June 19; minimum, 65 micromhos Mar. 18, 19.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	116	91	98	99	94	94	100	95	97	102	99	99
2	101	91	95	95	91	93	100	94	96	100	99	99
3	101	91	96	95	91	94	98	90	94	100	97	97
4	101	91	98	95	94	94	95	89	94	97	94	94
5	104	100	101	95	91	93	95	89	94	95	94	94
6	102	100	100	95	91	94	96	88	94	95	94	94
7	102	99	100	95	91	94	95	94	94	98	94	96
8	105	99	100	95	94	94	96	88	93	105	95	98
9	105	99	100	95	91	93	95	93	94	111	99	101
10	104	99	100	95	94	94	95	94	94	101	98	99
11	101	99	99	95	94	94	95	89	93	104	98	99
12	101	99	99	95	94	94	98	89	93	100	95	97
13	101	100	100	95	94	94	91	90	90	101	95	98
14	101	99	99	95	91	94	91	90	90	101	95	97
15	100	95	97	100	94	95	91	90	90	104	95	97
16	100	98	98	95	94	94	93	90	91	101	95	98
17	101	98	99	95	94	94	91	90	90	101	94	96
18	101	94	99	98	94	94	91	90	90	104	95	97
19	100	94	96	99	94	94	91	90	90	105	95	98
20	101	95	98	99	94	95	94	90	90	105	98	98
21	100	98	98	100	94	96	94	90	91	100	98	98
22	101	98	98	101	95	96	91	90	90	104	94	98
23	99	94	96	98	95	96	94	90	92	101	91	94
24	95	94	94	98	95	96	96	94	94	95	91	93
25	95	94	94	96	94	95	103	94	96	96	94	94
26	98	94	95	95	94	94	106	94	99	95	94	94
27	97	94	94	98	94	95	103	97	99	95	94	94
28	95	94	94	98	95	97	104	99	99	95	94	94
29	95	94	94	100	95	97	110	100	101	96	94	94
30	95	94	94	99	95	96	108	99	100	97	94	94
31	98	94	94	---	---	---	105	98	100	96	94	94

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	98	94	95	88	84	85	75	74	74	69	68	68
2	108	94	100	85	80	82	75	74	74	69	65	68
3	107	105	106	81	80	80	75	71	74	104	68	70
4	---	---	---	81	80	80	75	74	74	89	68	70
5	---	---	---	81	80	80	75	74	74	94	68	70
6	---	---	---	81	80	80	75	74	74	80	68	70
7	---	---	---	81	80	80	75	74	74	111	70	73
8	---	---	---	80	78	78	75	70	72	125	70	72
9	115	101	108	80	78	79	71	68	70	71	70	70
10	111	100	105	80	78	79	70	69	69	75	70	71
11	101	100	100	80	78	79	70	69	69	75	70	73
12	101	99	100	80	79	79	70	69	69	100	70	73
13	99	91	96	81	79	80	71	69	70	71	68	69
14	95	90	92	81	80	80	71	69	70	110	70	73
15	91	89	89	81	79	79	71	68	69	100	70	72
16	89	85	87	80	79	79	70	68	68	75	70	70
17	90	88	89	80	74	78	70	68	69	75	70	71
18	91	89	89	74	65	69	70	68	69	75	70	72
19	91	85	89	121	65	71	71	68	69	75	70	71
20	89	85	87	74	70	70	70	68	68	74	70	72
21	91	85	89	75	74	74	71	68	69	75	71	72
22	91	89	89	75	74	74	70	68	69	80	74	74
23	90	85	87	78	74	74	71	68	69	110	74	80
24	88	85	85	75	74	74	70	68	68	75	74	74
25	87	84	85	75	74	74	70	68	69	130	74	77
26	85	84	84	75	74	74	70	68	69	84	74	75
27	85	81	84	75	74	74	70	68	69	78	74	74
28	85	84	84	75	71	73	70	68	69	79	74	76
29	---	---	---	75	71	73	71	69	69	104	74	79
30	---	---	---	75	74	74	70	68	68	121	75	82
31	---	---	---	75	74	74	---	---	---	81	78	79
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	80	75	78	95	89	91	101	90	94	129	94	100
2	81	75	78	101	95	98	100	91	95	119	94	96
3	81	80	80	141	98	101	98	94	94	119	94	97
4	105	79	81	101	98	99	95	90	93	128	94	99
5	320	80	97	151	94	99	94	90	92	109	95	100
6	84	80	80	144	94	102	95	90	93	171	100	114
7	91	79	81	98	81	88	98	91	94	155	91	108
8	84	80	80	95	90	91	95	90	93	130	94	103
9	84	80	80	101	94	97	95	90	93	131	95	108
10	81	80	80	108	100	101	95	91	93	100	94	97
11	94	80	83	141	101	107	100	91	94	131	94	102
12	125	80	87	145	104	110	99	90	94	120	94	98
13	85	81	84	121	100	109	159	94	97	140	94	106
14	98	80	83	121	100	107	98	94	94	160	98	106
15	85	81	84	161	100	111	105	94	96	154	95	105
16	125	81	90	118	99	105	101	95	97	98	94	95
17	110	85	91	120	100	105	100	90	95	98	94	95
18	104	85	92	121	100	105	104	90	93	99	94	95
19	369	89	108	120	100	105	104	91	94	104	95	97
20	101	84	89	111	85	93	109	94	95	120	94	97
21	91	84	88	125	88	93	118	94	97	101	95	97
22	101	84	88	95	85	89	159	94	107	104	94	95
23	104	84	88	95	88	90	144	95	105	101	94	97
24	91	84	89	95	89	90	120	91	97	99	94	96
25	91	85	88	100	90	92	95	91	94	101	95	98
26	91	88	89	100	90	93	95	94	94	111	94	98
27	95	88	89	100	90	92	125	94	99	104	94	96
28	95	90	91	95	89	90	138	94	99	111	94	96
29	94	89	90	94	90	90	135	94	104	100	94	95
30	91	88	90	95	90	92	131	94	103	100	94	96
31	---	---	---	99	91	93	130	94	103	---	---	---
YEAR	369	65	89									

## COOPER RIVER BASIN

02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCK'S CORNER, SC

LOCATION.--Lat 33°05'54", long 79°57'17", Berkeley County, Hydrologic Unit 03050201, at Pimlico on right bank, 1.1 mi upstream from Seaboard Coast Line Railroad bridge, 2.1 mi downstream from Molly Branch, 7.8 mi southwest of Moncks Corner, and at mile 35.4.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April to September 1983.

pH: April to September 1983.

WATER TEMPERATURE (TOP AND BOTTOM): August 1975 to current year.

DISSOLVED OXYGEN: April to September 1983.

INSTRUMENTATION.--Servo Programmer August 1975 to April 1983. USGS water-quality monitor since April 1983.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 109 micromhos Sept. 29, 1983; minimum, 63 micromhos May 23, 24, 1983.

pH: Maximum, 7.9 units May 6, 1983; minimum, 6.5 units many days 1983.

WATER TEMPERATURE: Maximum, 31.4°C July 26-27, 1982; minimum, 2.5°C Jan. 12-13, 1981.

DISSOLVED OXYGEN: Maximum, 9.3 mg/L May 18, 1983; minimum 2.7 mg/L May 30, 1983.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 109 micromhos Sept. 29; minimum, 63 micromhos May 23, 24.

pH: Maximum, 7.9 units May 6; minimum, 6.5 units many days.

WATER TEMPERATURE: Maximum, 30.5°C July 25; minimum, 3.3°C Jan. 21.

DISSOLVED OXYGEN: Maximum, 9.3 mg/L May 18; minimum 2.7 mg/L May 30.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

[illegible]

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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



02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCK'S CORNER, SC--Continued

pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
		JUNE		JULY		AUGUST		SEPTEMBER
1	7.5	6.9	6.7	6.6	---	---	6.9	6.7
2	7.3	6.8	6.7	6.5	6.7	6.6	6.8	6.7
3	7.1	6.8	6.6	6.5	6.6	6.5	6.8	6.7
4	7.0	6.7	6.6	6.6	6.8	6.6	6.8	6.7
5	6.9	6.7	6.8	6.6	6.8	6.7	6.9	6.7
6	7.1	6.7	6.8	6.6	6.8	6.7	6.9	6.8
7	6.9	6.8	6.9	6.8	6.7	6.6	7.0	6.8
8	6.9	6.8	7.0	6.7	6.8	6.6	7.0	6.8
9	6.9	6.8	7.2	6.8	6.9	6.6	7.0	6.7
10	7.0	6.9	7.2	6.8	6.8	6.6	---	---
11	7.3	6.9	7.1	6.7	6.8	6.6	---	---
12	7.2	6.8	7.0	6.7	6.8	6.5	---	---
13	7.2	6.8	6.9	6.6	6.8	6.5	---	---
14	7.3	6.9	6.9	6.6	6.8	6.7	---	---
15	7.4	6.9	6.8	6.6	6.8	6.7	6.8	6.8
16	7.3	6.8	7.0	6.7	6.8	6.7	6.9	6.8
17	7.1	6.8	6.9	6.7	6.8	6.7	7.0	6.9
18	7.0	6.7	6.8	6.7	6.7	6.7	7.1	6.9
19	6.8	6.7	6.8	6.7	7.0	6.8	7.0	6.8
20	6.8	6.7	6.7	6.6	7.0	6.8	7.0	6.8
21	6.8	6.7	6.7	6.6	7.0	6.8	6.9	6.8
22	6.8	6.7	6.7	6.6	6.9	6.8	7.1	7.0
23	6.8	6.6	6.9	6.6	6.9	6.8	7.3	6.9
24	6.9	6.7	7.0	6.7	6.9	6.7	7.4	7.0
25	6.9	6.7	6.9	6.7	6.8	6.8	7.6	7.0
26	6.9	6.7	---	---	6.9	6.8	7.8	7.0
27	6.9	6.7	---	---	7.0	6.8	7.6	7.0
28	---	---	---	---	7.0	6.8	7.6	7.0
29	6.7	6.5	---	---	7.1	6.8	7.2	7.0
30	6.7	6.6	---	---	6.9	6.7	7.2	6.9
31	---	---	---	---	6.9	6.7	---	---
YEAR	7.9	6.5	---	---	---	---	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.1	23.1	23.6	19.1	16.9	17.8	17.6	15.5	16.3	10.9	10.6	10.8
2	24.5	23.1	23.8	19.5	16.9	17.8	18.1	15.7	16.6	10.8	10.5	10.7
3	24.9	23.6	24.2	19.6	17.4	18.1	17.9	15.8	16.6	10.6	10.0	10.4
4	25.1	23.4	24.1	20.2	16.9	18.3	18.0	15.5	16.6	9.9	9.2	9.7
5	24.7	23.7	24.2	18.3	16.4	16.9	18.5	15.5	16.7	10.1	9.4	9.8
6	25.1	23.6	24.2	16.6	14.9	15.8	17.8	15.4	16.7	10.0	9.1	9.8
7	25.3	23.7	24.3	16.3	14.3	15.5	16.7	15.5	16.2	10.4	9.3	9.8
8	24.8	23.7	24.3	16.0	13.9	15.4	16.0	14.7	15.2	10.6	9.5	10.1
9	24.6	23.7	24.1	16.4	14.6	15.9	15.7	14.3	15.1	10.4	9.9	10.1
10	24.4	23.9	24.2	16.5	15.0	16.0	14.9	13.6	14.4	10.3	9.9	10.2
11	23.9	23.2	23.7	16.3	15.3	15.9	15.1	14.0	14.6	11.0	10.1	10.6
12	23.7	22.8	23.4	17.3	15.7	16.4	15.2	11.5	13.6	10.4	8.8	9.5
13	24.1	23.4	23.8	17.3	14.9	16.3	11.3	9.4	10.5	8.9	8.0	8.6
14	24.5	23.6	24.0	15.2	13.9	14.4	10.6	9.3	10.0	9.0	8.0	8.6
15	23.8	22.5	23.3	15.1	13.8	14.5	12.8	10.5	11.7	9.1	8.4	8.8
16	23.2	21.9	22.5	14.5	13.0	13.9	14.5	12.9	13.8	8.3	7.3	7.9
17	21.8	20.7	21.6	15.0	12.6	14.1	13.6	10.9	12.0	8.2	7.1	7.8
18	21.3	19.9	20.8	15.1	14.0	14.7	10.9	9.9	10.4	7.6	6.3	6.9
19	21.5	19.8	20.9	15.6	14.1	14.9	10.2	9.5	9.9	7.0	5.1	5.9
20	22.2	20.2	21.4	15.8	14.8	15.3	10.2	9.2	9.8	6.3	3.6	4.5
21	22.3	21.0	21.7	16.7	15.1	15.6	10.4	9.4	10.0	5.4	3.3	4.1
22	21.8	20.3	21.1	17.0	15.2	15.8	10.6	9.6	10.2	6.3	4.9	5.6
23	20.3	17.4	19.0	17.3	15.5	16.1	11.2	10.1	10.7	6.6	5.6	6.3
24	18.5	14.9	16.8	17.8	15.9	16.5	12.3	10.9	11.6	8.4	6.4	7.4
25	16.6	14.0	15.5	16.1	14.8	15.5	12.9	11.8	12.3	9.0	6.3	8.0
26	15.9	14.6	15.5	14.9	14.3	14.8	12.9	12.2	12.6	8.4	6.2	7.8
27	16.5	14.7	16.0	15.7	14.8	15.2	12.8	12.3	12.6	8.1	6.4	7.6
28	16.9	15.3	16.4	15.9	15.0	15.4	13.3	11.9	12.7	7.7	7.1	7.4
29	17.2	16.2	16.7	16.8	15.3	15.9	13.6	12.9	13.4	8.0	7.2	7.7
30	17.7	16.6	17.2	17.2	15.3	16.3	13.1	11.6	12.4	8.9	7.8	8.4
31	18.2	16.9	17.6	---	---	---	11.5	10.9	11.1	9.1	8.4	8.7

02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCK'S CORNER, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.8	8.7	9.2	10.5	10.0	10.3	14.6	12.4	13.6	---	---	---
2	10.8	9.5	10.2	11.6	10.5	11.0	14.5	13.4	14.1	---	---	---
3	10.6	9.7	10.2	12.4	10.5	11.7	15.2	13.8	14.7	---	---	---
4	9.7	8.4	9.0	13.1	10.9	12.2	16.2	13.8	15.2	---	---	---
5	8.9	8.2	8.4	13.3	11.5	12.5	16.6	14.9	15.9	---	---	---
6	8.1	7.9	8.0	14.0	12.2	13.1	17.9	15.3	16.7	---	---	---
7	7.9	7.5	7.8	14.4	13.2	13.9	18.2	16.6	17.5	---	---	---
8	8.1	7.3	7.8	16.3	13.5	15.0	17.4	16.6	17.0	---	---	---
9	8.3	7.5	7.9	16.1	14.3	15.3	16.9	16.3	16.7	---	---	---
10	8.5	8.0	8.3	15.4	13.3	14.1	17.9	16.3	17.0	---	---	---
11	8.5	7.9	8.3	---	---	---	17.9	16.1	17.1	---	---	---
12	7.8	7.3	7.6	---	---	---	17.9	16.3	17.2	---	---	---
13	7.6	6.6	7.1	---	---	---	18.6	16.8	17.7	---	---	---
14	7.0	6.5	6.8	---	---	---	18.0	17.3	17.7	---	---	---
15	8.0	6.6	7.3	---	---	---	18.0	17.3	17.7	---	---	---
16	8.5	7.7	8.1	14.0	13.5	13.8	18.0	16.5	17.4	---	---	---
17	8.9	8.2	8.6	13.5	12.6	13.0	18.3	16.6	17.5	---	---	---
18	9.2	8.3	8.8	16.1	12.8	15.1	17.4	15.3	16.5	---	---	---
19	9.6	8.4	9.1	16.0	15.3	15.8	15.4	14.2	14.9	---	---	---
20	9.8	8.6	9.4	15.9	14.6	15.3	15.9	13.5	14.8	---	---	---
21	10.2	8.7	9.6	17.0	15.8	16.9	16.8	14.3	15.6	---	---	---
22	10.9	9.2	10.1	17.2	13.2	15.3	17.4	15.3	16.5	---	---	---
23	11.6	10.4	11.1	14.2	12.7	13.6	17.0	16.4	16.7	---	---	---
24	11.9	11.0	11.5	13.6	10.4	12.2	16.5	15.8	16.3	---	---	---
25	11.8	10.7	11.4	11.4	9.2	10.5	16.9	15.1	16.0	---	---	---
26	11.2	9.5	10.2	12.3	10.6	11.6	17.9	15.5	16.7	---	---	---
27	10.0	9.2	9.7	13.1	12.3	12.6	18.1	16.9	17.3	---	---	---
28	10.1	9.4	9.7	14.5	12.8	13.6	---	---	---	---	---	---
29	---	---	---	14.3	12.9	13.7	---	---	---	---	---	---
30	---	---	---	14.7	13.3	14.1	---	---	---	---	---	---
31	---	---	---	14.4	12.9	13.7	---	---	---	---	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.1	22.0	22.9	18.7	18.5	18.6	16.9	16.2	16.6	11.5	11.2	11.4
2	24.0	22.3	23.2	18.7	17.9	18.5	17.1	16.4	16.7	11.3	11.1	11.2
3	23.6	22.0	23.1	18.6	17.8	18.3	17.3	16.5	16.9	11.2	10.7	10.9
4	24.9	22.6	23.8	19.1	18.0	18.5	17.2	16.4	16.8	10.6	9.9	10.3
5	24.3	24.0	24.3	18.1	17.3	17.7	17.6	16.2	16.7	10.3	10.0	10.2
6	24.2	24.0	24.2	17.3	16.3	16.7	17.3	16.3	16.8	10.3	9.8	10.1
7	24.2	24.0	24.2	16.6	15.4	16.1	16.9	16.3	16.6	10.5	10.0	10.3
8	24.3	23.4	24.3	16.2	15.4	16.0	16.6	15.5	15.9	10.7	10.2	10.5
9	24.3	24.1	24.3	16.6	15.8	16.2	16.1	15.2	15.5	10.7	10.5	10.6
10	24.3	24.1	24.3	16.5	16.1	16.4	15.4	14.6	15.0	10.7	10.4	10.6
11	24.2	24.0	24.1	16.6	16.2	16.4	15.1	14.7	15.0	11.1	10.6	10.9
12	24.0	23.8	23.9	16.9	16.4	16.7	15.5	13.3	14.7	10.9	9.7	10.3
13	23.9	23.7	23.9	17.1	16.3	16.9	13.2	11.0	12.0	9.6	9.0	9.3
14	24.0	23.9	24.0	16.2	15.2	15.5	11.3	10.5	11.0	9.3	8.8	9.1
15	24.0	23.7	23.9	15.3	15.0	15.2	12.9	11.3	12.0	9.4	9.1	9.3
16	23.7	23.3	23.5	14.9	14.3	14.7	14.1	12.9	13.7	9.1	8.4	8.7
17	23.3	22.6	23.0	15.0	13.7	14.6	14.0	12.2	13.1	8.5	8.1	8.4
18	22.6	22.0	22.3	15.3	14.8	15.1	12.1	11.2	11.6	8.3	7.3	7.8
19	22.1	21.6	21.9	15.5	15.0	15.3	11.2	10.8	11.0	7.3	6.3	6.8
20	21.9	21.3	21.8	15.9	15.4	15.6	11.0	10.6	10.8	6.5	4.9	5.6
21	22.1	21.4	22.0	16.2	15.7	15.9	11.1	10.6	10.9	5.1	4.5	4.8
22	22.1	21.8	22.1	16.3	15.8	16.1	11.2	10.7	11.0	5.9	4.9	5.7
23	21.8	20.7	21.4	16.4	16.0	16.2	11.6	11.0	11.3	6.7	6.0	6.4
24	20.6	18.6	19.7	16.7	16.2	16.5	12.3	11.5	11.9	8.0	6.8	7.3
25	18.6	17.9	18.3	16.7	15.7	16.2	12.7	12.2	12.5	8.4	7.3	8.0
26	17.9	17.5	17.7	15.6	15.3	15.5	12.9	12.5	12.8	8.4	7.4	8.0
27	17.8	17.6	17.8	15.8	15.5	15.7	12.9	12.6	12.8	8.1	7.4	7.9
28	18.0	17.8	17.9	15.9	15.7	15.8	13.2	12.4	12.9	7.8	7.5	7.6
29	18.1	18.0	18.1	16.3	15.8	16.1	13.5	12.9	13.3	8.0	7.6	7.8
30	18.3	18.0	18.2	16.6	16.0	16.5	13.4	12.3	12.9	8.6	8.0	8.3
31	18.5	18.2	18.4	---	---	---	12.2	11.5	11.8	8.9	8.4	8.7

## COOPER RIVER BASIN

02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCK'S CORNER, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY												
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.4	8.8	9.1	10.5	10.1	10.3	14.6	12.4	13.5	---	---	---
2	10.6	9.5	10.0	11.6	10.5	11.0	14.5	13.4	14.1	---	---	---
3	10.9	9.6	10.2	12.4	10.5	11.6	15.1	13.7	14.6	---	---	---
4	9.6	7.9	8.8	13.1	10.9	12.1	16.0	13.7	15.1	---	---	---
5	8.6	7.7	8.2	13.3	11.4	12.5	16.4	14.8	15.8	---	---	---
6	7.8	7.6	7.7	13.9	12.2	13.0	17.8	15.2	16.5	---	---	---
7	7.7	7.3	7.6	14.4	13.2	13.8	17.9	15.3	17.0	---	---	---
8	8.1	6.7	7.5	16.2	13.4	14.8	17.3	15.1	16.6	---	---	---
9	8.4	7.1	7.8	15.9	14.3	15.3	16.7	16.2	16.5	---	---	---
10	8.6	7.8	8.2	15.4	13.3	14.1	17.8	16.2	16.8	---	---	---
11	8.5	7.7	8.2	---	---	---	17.8	16.1	16.9	---	---	---
12	7.7	7.0	7.5	---	---	---	17.7	16.4	17.2	---	---	---
13	7.5	6.2	6.9	---	---	---	18.5	16.9	17.6	---	---	---
14	7.0	6.2	6.7	---	---	---	17.9	16.8	17.6	---	---	---
15	8.2	6.4	7.4	---	---	---	17.9	17.3	17.6	---	---	---
16	8.7	7.6	8.2	13.9	13.6	13.9	17.9	16.6	17.4	---	---	---
17	9.0	8.2	8.7	13.7	12.7	13.1	18.1	16.6	17.5	---	---	---
18	9.4	8.3	9.0	20.9	12.9	17.6	17.5	15.2	16.6	---	---	---
19	9.8	8.2	9.3	16.2	15.3	15.8	15.4	14.3	14.9	---	---	---
20	10.1	8.4	9.5	15.9	14.7	15.3	15.9	13.6	14.8	---	---	---
21	10.3	8.5	9.7	17.1	15.9	16.9	16.8	14.4	15.6	---	---	---
22	11.2	9.1	10.3	17.2	13.3	15.5	17.3	15.4	16.5	---	---	---
23	12.2	10.4	11.4	14.1	12.7	13.6	17.0	15.8	16.5	---	---	---
24	12.4	11.0	11.8	13.9	10.6	12.3	16.4	15.8	16.2	---	---	---
25	11.9	10.9	11.5	11.6	9.4	10.6	16.8	15.1	15.9	---	---	---
26	11.2	9.6	10.3	12.4	10.8	11.7	17.8	15.6	16.7	---	---	---
27	10.0	9.2	9.7	13.0	12.3	12.6	17.6	16.2	17.1	---	---	---
28	10.1	9.4	9.8	14.5	12.8	13.6	---	---	---	---	---	---
29	---	---	---	14.3	12.9	13.6	---	---	---	---	---	---
30	---	---	---	14.6	13.3	14.0	---	---	---	---	---	---
31	---	---	---	14.5	12.9	13.6	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	17.8	16.6	17.1
2	---	---	---	---	---	---	---	---	---	18.1	16.8	17.4
3	---	---	---	---	---	---	---	---	---	18.3	17.1	17.7
4	---	---	---	---	---	---	---	---	---	18.8	17.8	18.2
5	---	---	---	---	---	---	---	---	---	19.4	18.1	18.8
6	---	---	---	---	---	---	---	---	---	20.3	19.1	19.7
7	---	---	---	---	---	---	---	---	---	20.4	19.1	19.7
8	---	---	---	---	---	---	---	---	---	20.4	19.5	20.0
9	---	---	---	---	---	---	---	---	---	20.4	19.2	20.5
10	---	---	---	---	---	---	---	---	---	20.4	19.7	20.1
11	---	---	---	---	---	---	---	---	---	20.7	19.8	20.3
12	---	---	---	---	---	---	---	---	---	21.1	19.7	20.5
13	---	---	---	---	---	---	---	---	---	21.5	20.2	20.9
14	---	---	---	---	---	---	---	---	---	21.8	20.5	21.2
15	---	---	---	---	---	---	---	---	---	22.1	21.0	21.5
16	---	---	---	---	---	---	---	---	---	22.2	21.3	21.7
17	---	---	---	---	---	---	---	---	---	22.4	21.5	22.0
18	---	---	---	---	---	---	---	---	---	22.7	21.5	22.1
19	---	---	---	---	---	---	---	---	---	22.0	21.7	21.9
20	---	---	---	---	---	---	---	---	---	21.9	21.1	21.7
21	---	---	---	---	---	---	---	---	---	22.4	21.8	22.2
22	---	---	---	---	---	---	---	---	---	22.6	21.4	22.3
23	---	---	---	---	---	---	---	---	---	23.0	22.1	22.6
24	---	---	---	---	---	---	---	---	---	23.7	22.0	23.0
25	---	---	---	---	---	---	---	---	---	24.4	23.3	23.9
26	---	---	---	---	---	---	---	---	---	23.9	23.0	23.5
27	---	---	---	---	---	---	16.8	16.5	16.7	24.1	23.0	23.6
28	---	---	---	---	---	---	17.3	15.8	16.5	24.4	23.5	23.9
29	---	---	---	---	---	---	17.5	16.1	16.8	24.1	23.3	23.7
30	---	---	---	---	---	---	17.8	16.7	17.1	24.4	23.5	23.9
31	---	---	---	---	---	---	---	---	---	24.8	23.7	24.3

02172020 WEST BRANCH COOPER RIVER AT PIMLICO NEAR MONCK'S CORNER, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.1	24.1	24.6	27.7	27.3	27.5	---	---	---	29.8	29.1	29.4
2	25.6	24.2	24.6	27.8	27.1	27.5	29.2	28.7	29.0	29.1	28.2	28.7
3	25.2	24.3	24.7	28.0	27.3	27.7	29.2	28.6	28.9	28.8	27.9	28.4
4	25.1	24.3	24.8	28.1	27.7	27.9	29.6	28.5	29.3	29.4	28.4	28.8
5	25.4	24.7	25.2	28.5	27.6	28.0	29.7	29.2	29.5	29.6	29.0	29.3
6	28.1	24.1	25.6	28.8	28.0	28.4	29.7	29.2	29.5	29.6	29.0	29.3
7	26.7	25.0	25.5	28.3	27.8	28.1	29.6	29.0	29.3	29.6	28.9	29.2
8	25.5	24.9	25.2	28.5	27.8	28.2	29.5	28.5	29.1	29.9	29.1	29.5
9	25.1	24.4	24.8	28.8	27.9	28.4	29.7	28.8	29.2	29.9	29.3	29.6
10	24.7	24.2	24.5	28.9	28.1	28.5	29.8	29.0	29.3	---	---	---
11	25.3	24.2	24.8	28.7	28.0	28.5	29.7	29.0	29.3	---	---	---
12	25.2	24.1	24.7	28.5	27.8	28.2	29.6	28.9	29.1	---	---	---
13	25.0	24.0	24.6	28.5	27.9	28.2	29.5	28.5	28.9	---	---	---
14	25.3	24.3	24.9	28.6	27.7	28.2	29.2	28.4	28.7	---	---	---
15	25.8	24.9	25.3	28.8	28.0	28.5	28.6	28.0	28.3	27.6	27.5	27.6
16	25.8	25.0	25.4	29.4	28.5	28.9	28.4	28.0	28.1	27.6	27.0	27.3
17	25.8	25.2	25.5	29.4	28.9	29.2	28.3	27.9	28.1	27.3	26.5	26.9
18	25.8	25.3	25.6	29.5	29.1	29.3	28.0	27.5	27.8	27.7	26.9	27.3
19	25.8	25.0	25.5	29.4	29.1	29.3	29.0	28.2	28.6	27.7	27.1	27.4
20	25.6	25.2	25.5	29.3	28.6	28.9	29.1	28.4	28.8	27.8	27.1	27.4
21	25.7	25.3	25.6	29.3	28.5	29.0	29.4	28.7	29.0	27.3	26.7	27.0
22	25.9	25.5	25.8	29.7	29.0	29.3	29.5	29.0	29.3	26.3	26.3	26.3
23	26.2	25.3	25.8	30.0	28.5	29.4	29.6	28.6	29.0	26.3	25.1	25.7
24	27.0	25.8	26.4	30.4	29.3	29.9	29.7	28.9	29.3	25.6	24.4	25.0
25	27.4	26.3	26.9	30.5	29.8	30.1	29.7	29.3	29.5	25.1	23.7	24.4
26	27.7	26.7	27.2	---	---	---	29.6	28.7	29.2	24.4	23.6	24.0
27	27.6	26.4	27.0	---	---	---	29.5	28.6	29.0	24.0	23.3	23.6
28	---	---	---	---	---	---	29.9	29.2	29.6	23.5	23.1	23.3
29	27.5	26.6	27.0	---	---	---	30.0	29.4	29.6	23.4	22.7	22.9
30	27.6	27.2	27.4	---	---	---	30.0	29.3	29.7	22.8	22.3	22.6
31	---	---	---	---	---	---	30.1	29.2	29.7	---	---	---
YEAR	30.5	15.8	25.6									

DISSOLVED OXYGEN (DO) IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	7.1	6.6	6.9
2	---	---	---	---	---	---	---	---	---	6.8	6.4	6.6
3	---	---	---	---	---	---	---	---	---	6.6	6.0	6.3
4	---	---	---	---	---	---	---	---	---	6.5	6.1	6.4
5	---	---	---	---	---	---	---	---	---	7.0	6.2	6.7
6	---	---	---	---	---	---	---	---	---	7.2	6.6	6.9
7	---	---	---	---	---	---	---	---	---	6.8	6.3	6.6
8	---	---	---	---	---	---	---	---	---	6.8	6.0	6.5
9	---	---	---	---	---	---	---	---	---	7.0	5.8	6.3
10	---	---	---	---	---	---	---	---	---	6.7	6.0	6.5
11	---	---	---	---	---	---	---	---	---	7.0	6.2	6.6
12	---	---	---	---	---	---	---	---	---	7.0	6.1	6.6
13	---	---	---	---	---	---	---	---	---	9.0	6.1	7.6
14	---	---	---	---	---	---	---	---	---	8.7	7.7	8.2
15	---	---	---	---	---	---	---	---	---	8.7	7.6	8.2
16	---	---	---	---	---	---	---	---	---	8.4	7.4	7.9
17	---	---	---	---	---	---	---	---	---	8.1	7.3	7.7
18	---	---	---	---	---	---	---	---	---	9.3	7.1	7.7
19	---	---	---	---	---	---	---	---	---	8.0	7.4	7.7
20	---	---	---	---	---	---	---	---	---	7.6	7.0	7.3
21	---	---	---	---	---	---	---	---	---	7.9	6.6	7.5
22	---	---	---	---	---	---	---	---	---	7.8	7.0	7.5
23	---	---	---	---	---	---	---	---	---	7.8	6.8	7.5
24	---	---	---	---	---	---	---	---	---	8.2	7.0	7.5
25	---	---	---	---	---	---	---	---	---	8.4	7.3	8.1
26	---	---	---	---	---	---	---	---	---	7.4	6.7	7.0
27	---	---	---	---	---	---	7.5	7.3	7.5	7.4	4.5	6.2
28	---	---	---	---	---	---	7.4	6.8	7.2	6.9	5.8	6.6
29	---	---	---	---	---	---	7.3	6.7	7.0	6.6	3.2	5.5
30	---	---	---	---	---	---	7.2	6.8	7.0	5.5	2.7	4.8
31	---	---	---	---	---	---	---	---	---	6.3	3.6	5.0





02172025 COOPER RIVER AT INLET TO BACK RIVER NEAR KITTREDGE, SC

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 downstream of Seaboard Coast Line Railroad bridge and at mile 33.2.

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, 420 micromhos May 18, 1982; minimum, 48 micromhos Mar. 18, 1983.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 275 micromhos Oct. 8; minimum, 48 micromhos Mar. 18.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	89	83	84	98	93	96	97	94	95	103	100	101
2	93	85	88	99	93	96	101	94	97	103	100	100
3	98	89	93	98	89	95	105	99	102	101	98	99
4	100	92	96	98	90	96	108	94	104	99	93	96
5	99	95	98	99	89	95	107	93	104	97	89	95
6	105	98	101	98	94	96	104	96	102	97	88	94
7	243	99	132	99	94	96	103	100	101	98	95	97
8	275	118	165	95	90	93	104	99	101	105	96	98
9	172	110	132	94	90	91	102	92	98	106	98	99
10	167	103	124	93	90	91	110	101	106	101	98	99
11	151	105	121	92	90	91	115	110	112	103	98	99
12	117	103	109	95	91	92	119	115	117	108	98	101
13	120	100	109	104	91	95	119	116	117	109	98	100
14	122	115	118	95	90	91	120	111	115	100	98	99
15	122	106	115	93	89	91	112	111	111	103	98	99
16	111	106	108	93	90	91	---	---	---	107	99	100
17	109	101	105	95	91	92	---	---	---	101	98	99
18	111	107	109	96	92	93	---	---	---	107	98	100
19	110	104	107	100	93	94	---	---	---	110	99	102
20	117	109	111	96	94	95	104	92	95	109	100	101
21	115	108	112	100	94	95	104	93	94	101	98	99
22	118	114	116	100	94	95	94	93	93	100	98	99
23	133	115	128	97	93	95	95	92	93	101	94	98
24	129	108	118	101	95	95	101	94	95	102	97	99
25	112	102	106	98	90	92	106	95	97	97	94	96
26	112	106	109	93	91	91	111	96	98	99	95	96
27	107	102	104	103	93	95	100	97	98	98	96	97
28	106	100	104	104	96	98	102	99	100	99	96	97
29	98	95	97	101	96	97	103	101	102	101	91	96
30	98	94	96	104	94	96	105	100	101	109	90	88
31	99	96	97	---	---	---	102	100	101	98	88	94

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	97	88	95	83	81	82	72	68	69	82	62	66
2	97	93	96	85	79	82	78	68	72	78	64	66
3	106	89	95	85	77	79	82	72	76	76	64	66
4	108	95	100	86	76	79	82	72	74	94	64	68
5	102	96	96	92	76	80	82	70	73	70	64	66
6	97	96	96	94	77	81	80	72	73	68	66	67
7	96	95	95	93	77	82	82	72	73	76	68	69
8	97	94	95	83	76	78	76	68	71	74	68	69
9	97	94	95	80	75	76	72	64	67	72	68	69
10	97	95	95	79	75	76	74	66	67	72	68	69
11	97	95	95	78	75	76	72	66	67	80	70	71
12	100	93	94	82	75	76	68	64	66	81	70	72
13	94	89	91	78	75	76	68	66	66	72	67	69
14	89	88	88	79	76	76	72	64	66	76	65	68
15	88	83	85	78	75	76	70	62	65	74	65	68
16	85	80	83	77	74	75	78	62	67	73	66	69
17	84	81	83	76	71	72	72	64	66	71	68	69
18	85	78	82	72	48	62	72	64	66	74	69	71
19	85	83	84	73	52	61	72	64	65	78	72	73
20	86	82	83	75	60	68	70	64	64	78	74	75
21	87	83	84	74	68	70	72	64	66	78	76	76
22	88	83	84	83	72	77	72	64	65	78	76	77
23	92	84	86	74	70	71	66	62	64	80	76	78
24	95	81	83	72	69	70	68	64	66	84	78	78
25	84	81	82	---	---	---	76	64	67	80	77	78
26	83	80	81	---	---	---	68	64	64	80	76	78
27	83	79	80	---	---	---	70	64	65	81	75	77
28	82	81	81	---	---	---	86	64	66	76	73	74
29	---	---	---	70	68	68	78	64	66	78	73	74
30	---	---	---	72	68	69	78	62	65	81	73	75
31	---	---	---	72	68	70	---	---	---	79	72	74
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	84	72	73	94	87	90	109	91	95	112	94	100
2	75	72	74	93	88	90	107	90	93	134	95	103
3	80	73	75	99	87	92	99	91	94	150	95	107
4	78	75	76	107	87	93	98	90	93	165	96	111
5	89	76	78	97	89	91	95	88	91	155	95	112
6	83	78	79	103	89	91	94	86	89	122	89	104
7	84	79	81	100	87	90	98	88	91	95	90	92
8	97	79	83	110	89	93	97	88	92	96	90	93
9	92	82	84	99	90	94	91	85	89	95	91	92
10	94	84	86	131	90	101	89	85	87	99	95	96
11	96	85	87	107	98	101	90	88	89	105	98	100
12	98	80	85	102	98	100	92	86	88	108	99	101
13	87	82	83	114	96	99	98	88	90	109	98	101
14	95	85	87	98	88	96	91	88	90	110	101	103
15	90	83	85	96	87	92	94	89	91	106	100	102
16	97	81	85	96	82	88	95	91	92	106	100	102
17	95	82	84	89	83	86	96	92	93	104	98	101
18	102	80	83	98	86	89	97	88	92	107	99	101
19	95	81	83	109	85	90	100	88	90	106	101	103
20	91	82	84	106	86	91	100	89	91	112	102	105
21	89	81	83	104	87	91	99	91	92	112	106	108
22	89	83	85	104	81	91	100	92	94	113	106	108
23	88	83	85	98	83	91	103	91	95	116	107	111
24	89	83	84	92	88	90	101	94	96	119	110	114
25	95	83	85	95	89	91	99	96	98	128	111	117
26	87	82	84	95	89	90	100	96	98	141	115	124
27	112	83	89	92	88	91	103	96	99	157	114	127
28	116	84	89	93	89	91	101	96	99	176	116	132
29	110	86	89	99	89	91	102	97	100	169	100	124
30	92	87	89	96	88	92	106	96	101	213	102	123
31	---	---	---	100	89	93	109	97	101	---	---	---
YEAR	275	48	90									

02172030 COOPER RIVER AT RICE MILL NEAR KITTREDGE, SC

LOCATION.--Lat 33°04'30", long 79°59'31", Berkeley County, Hydrologic Unit 03050201, on left bank 2.4 mi downstream from Seaboard Coast Line Railroad bridge and at mile 32.1.

PERIOD OF RECORD.--October 1980 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to current year.

INSTRUMENTATION.--USGS mini-monitor since 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 197 micromhos Sept. 30, 1983; minimum, 60 micromhos Dec. 3-5, 1980.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 197 micromhos Sept. 30; minimum, 62 micromhos several days April, May.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	97	93	95	98	96	96	96	95	95	100	96	98
2	97	94	95	98	96	96	96	95	95	100	96	98
3	97	96	96	98	97	97	97	96	96	100	97	98
4	97	96	96	99	97	98	101	96	98	99	97	98
5	97	96	96	99	97	97	116	100	104	99	97	98
6	97	96	96	99	96	97	109	104	106	99	97	97
7	98	96	96	100	97	98	107	105	105	99	96	97
8	98	96	97	99	97	98	117	105	108	99	97	97
9	98	97	97	102	98	99	119	96	105	99	97	98
10	99	97	98	101	98	99	102	96	98	100	98	98
11	99	98	98	101	100	100	103	97	99	100	97	98
12	99	98	98	101	100	100	100	96	97	99	96	97
13	99	97	98	101	100	100	100	96	98	99	97	98
14	99	97	98	101	100	100	101	97	99	99	97	98
15	99	98	98	102	101	101	101	98	99	100	97	98
16	99	97	98	102	101	101	---	---	---	99	97	97
17	99	97	98	102	101	101	---	---	---	99	97	97
18	99	97	97	103	101	101	---	---	---	99	96	97
19	99	97	97	103	100	101	---	---	---	98	96	97
20	99	97	97	103	102	102	99	97	97	99	96	97
21	98	97	97	104	102	103	98	96	97	99	97	98
22	99	98	98	104	95	99	99	96	97	98	96	97
23	99	97	98	97	96	96	99	96	97	98	96	97
24	99	96	97	97	94	95	98	95	96	98	95	96
25	98	94	97	95	94	94	98	96	96	98	95	96
26	98	94	96	95	94	94	99	95	97	99	95	96
27	99	95	97	95	93	94	100	96	97	99	95	97
28	100	94	97	95	93	94	100	96	97	99	96	97
29	99	95	97	95	94	94	100	96	98	99	96	97
30	99	95	97	95	94	94	100	96	98	98	96	97
31	98	95	96	---	---	---	100	96	98	98	96	97



02172030 COOPER RIVER AT RICE MILL NEAR KITTREDGE, SC--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	98	96	97	89	86	87	74	68	72	64	62	63
2	98	96	97	88	82	84	74	70	71	66	62	64
3	97	94	95	83	81	82	72	66	69	66	64	64
4	96	94	94	83	80	81	70	67	68	66	64	64
5	96	94	95	82	79	80	70	66	68	66	64	64
6	97	94	95	82	78	80	70	64	68	66	64	64
7	96	94	95	81	78	79	70	64	67	66	64	64
8	97	93	95	81	78	79	70	66	67	66	64	64
9	97	93	95	81	77	79	70	66	67	66	64	64
10	95	93	94	80	76	78	70	64	67	66	64	64
11	94	91	93	80	76	78	70	62	66	66	64	64
12	93	90	91	80	75	77	70	64	67	66	64	65
13	92	88	90	80	75	77	70	64	67	66	64	64
14	91	87	90	78	75	76	70	64	66	66	64	65
15	91	77	88	78	74	75	68	64	66	66	64	65
16	89	86	87	77	74	75	68	64	65	66	64	65
17	88	86	86	77	75	76	68	64	65	68	64	66
18	88	86	87	77	74	76	68	64	65	68	66	66
19	89	86	87	77	73	75	66	64	65	68	66	66
20	88	85	87	76	73	75	66	62	64	66	64	65
21	89	85	87	76	72	74	66	62	64	68	64	66
22	89	86	87	74	70	72	66	62	64	68	66	66
23	89	86	87	75	70	73	66	64	65	68	66	66
24	89	86	87	76	72	74	66	64	64	68	66	67
25	89	86	87	76	70	74	66	62	64	70	66	68
26	89	85	87	76	71	74	66	62	64	70	67	68
27	89	86	87	76	72	74	66	62	63	69	67	68
28	87	86	86	76	70	73	66	62	63	70	68	68
29	---	---	---	75	69	73	66	62	63	69	68	68
30	---	---	---	76	70	73	64	62	63	70	68	68
31	---	---	---	76	70	73	---	---	---	70	68	68
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	79	68	68	85	83	84	91	88	89	123	88	98
2	70	68	68	85	83	84	93	88	90	150	91	105
3	70	68	68	86	83	84	95	92	93	160	99	114
4	70	68	68	88	85	85	96	93	94	168	100	116
5	70	68	68	86	84	85	96	92	94	161	99	114
6	70	68	69	86	83	85	94	91	92	138	98	106
7	70	68	69	87	84	85	94	88	91	102	95	98
8	77	68	71	86	83	84	95	92	93	103	96	98
9	80	76	77	85	82	83	93	88	90	102	96	98
10	81	76	77	84	82	83	93	88	90	102	99	100
11	78	75	76	86	83	84	92	89	90	104	100	101
12	79	76	77	85	83	83	90	87	88	105	99	102
13	79	75	77	86	83	84	91	87	88	103	99	101
14	79	76	77	85	83	84	93	91	91	105	101	103
15	79	76	77	85	82	84	94	91	92	109	98	103
16	79	77	78	87	84	85	95	91	92	118	100	103
17	79	77	78	86	84	85	96	92	94	105	98	101
18	79	78	78	87	84	85	95	91	93	107	99	102
19	80	78	78	88	85	86	92	90	91	107	100	102
20	80	78	79	90	86	87	92	90	91	109	101	103
21	80	79	79	91	87	88	93	91	92	112	101	104
22	81	78	79	90	87	88	96	93	94	107	100	102
23	81	79	79	88	87	87	94	92	93	115	103	106
24	80	78	79	88	84	86	96	93	94	118	103	108
25	81	79	79	89	85	87	98	94	96	124	104	109
26	81	79	80	88	86	86	98	93	97	140	106	114
27	81	80	80	87	85	86	101	95	98	147	106	117
28	85	80	82	87	85	85	102	96	99	151	111	121
29	85	82	84	88	86	87	102	97	99	185	99	121
30	86	83	84	89	87	88	106	97	100	197	103	122
31	---	---	---	90	87	88	110	96	102	---	---	---
YEAR	197	62	87									

02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, SC

LOCATION.--Lat 33°21'54", long 79°57'27", Berkeley County, Hydrologic Unit 03050201, on left bank of Durham Canal 0.5 mi 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 311 micromhos Nov. 15, 1981; minimum, 51 micromhos Mar. 18, 19, 1983.

pH: Maximum, 9.1 units Feb. 14, 1981; minimum, 5.7 units June 20, 1982.

WATER TEMPERATURE: Maximum, 31.6°C Aug. 24, 1983; minimum, 5.5°C Jan. 18, 1982.

DISSOLVED OXYGEN: Maximum, 12.6 mg/L Jan. 27, 28, 1983; minimum, 0.9 mg/L June 29-30, 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 144 micromhos Sept. 4, 28; minimum, 51 micromhos Mar. 18, 19.

pH: Maximum, 7.9 units May 5; minimum, 5.9 units Mar. 18-20.

WATER TEMPERATURE: Maximum, 31.6°C Aug. 24; minimum, 6.0°C Jan. 20.

DISSOLVED OXYGEN: Maximum, 12.6 mg/L Jan. 27, 28; minimum, 1.9 mg/L Sept. 11.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	111	97	102	114	91	100	120	95	103	104	100	101
2	108	98	102	105	91	95	124	95	103	105	100	102
3	105	98	102	109	91	99	123	95	103	101	97	99
4	109	99	104	112	94	99	120	98	104	98	91	95
5	113	100	106	120	93	104	118	96	101	98	85	91
6	116	100	106	122	90	101	111	96	101	103	89	95
7	118	100	106	115	89	97	116	96	103	106	97	101
8	112	68	87	109	89	94	102	95	96	113	101	105
9	88	69	77	102	86	91	99	95	96	111	101	103
10	93	71	80	95	85	88	101	95	96	105	101	102
11	81	73	77	91	85	87	98	95	96	106	102	104
12	83	74	79	95	86	89	101	94	97	131	104	114
13	84	74	79	120	88	100	99	94	95	124	100	105
14	88	75	80	96	85	88	100	94	96	104	98	100
15	86	72	77	92	85	87	97	95	95	109	97	102
16	87	73	79	96	86	90	106	95	100	115	96	103
17	93	76	83	100	87	92	113	96	102	108	95	99
18	97	78	86	112	88	98	109	96	99	111	95	100
19	101	80	88	119	97	104	105	95	97	117	94	105
20	103	81	90	118	97	103	114	95	102	121	95	104
21	109	83	93	120	97	105	116	95	102	99	93	95
22	115	86	96	124	97	107	100	94	96	98	94	96
23	106	88	92	123	97	106	107	94	98	117	87	102
24	99	83	89	131	98	110	114	96	104	124	89	106
25	114	83	96	134	92	100	120	98	107	122	95	101
26	122	85	103	103	92	96	124	98	104	101	94	97
27	114	84	92	133	94	109	116	96	101	104	96	101
28	98	85	89	135	97	106	108	97	100	104	102	103
29	99	87	91	123	97	107	106	99	101	102	92	99
30	105	89	95	132	95	107	107	99	101	100	86	94
31	111	91	99	---	---	---	103	100	101	98	83	91

02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, SC--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	97	83	91	91	81	83	74	68	70	88	68	75
2	99	87	94	100	83	90	75	70	71	90	67	75
3	125	80	97	100	80	89	88	71	78	89	67	74
4	129	92	117	105	79	90	88	72	80	95	67	81
5	120	95	100	116	79	97	86	71	77	94	67	73
6	99	94	96	118	79	99	86	72	77	82	67	71
7	99	92	96	116	77	96	88	73	78	92	68	76
8	121	97	102	108	76	91	88	71	76	89	68	74
9	109	96	99	108	76	89	83	69	73	92	68	75
10	103	95	97	107	76	85	87	70	76	78	68	70
11	98	95	96	95	76	83	89	69	77	85	69	73
12	110	91	100	102	76	84	79	69	70	92	69	77
13	101	90	94	96	76	80	72	69	69	86	69	74
14	90	84	88	84	76	78	73	69	70	90	70	76
15	103	74	85	87	76	79	77	68	71	93	71	78
16	83	72	79	87	76	78	82	69	75	91	71	77
17	82	72	78	76	69	73	79	68	72	89	71	76
18	92	71	81	74	51	63	76	69	70	81	72	74
19	98	81	86	85	51	69	78	69	72	86	72	76
20	103	84	89	90	60	79	79	68	71	87	73	77
21	106	84	88	91	68	74	80	68	73	88	73	78
22	100	85	90	94	74	89	81	68	71	86	73	77
23	104	85	94	93	72	76	79	67	69	87	73	77
24	122	83	93	77	70	72	74	68	70	87	73	77
25	93	82	84	73	70	71	84	68	76	82	73	75
26	91	72	79	72	68	70	78	67	70	82	73	75
27	87	81	82	71	68	70	76	67	70	86	74	77
28	84	81	82	72	63	68	81	68	73	82	73	76
29	---	---	---	73	68	71	85	69	75	83	74	76
30	---	---	---	72	69	70	85	67	74	91	74	80
31	---	---	---	71	70	70	---	---	---	94	75	82
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	96	75	81	100	84	88	---	---	---	116	101	106
2	93	75	80	105	85	90	120	93	99	121	101	108
3	98	75	83	---	---	---	124	95	103	131	103	111
4	99	77	83	---	---	---	118	95	102	144	102	114
5	103	77	87	---	---	---	113	93	100	132	101	114
6	100	77	84	---	---	---	110	92	98	135	95	109
7	99	77	84	90	84	87	109	92	98	107	95	99
8	97	77	83	89	84	85	104	91	95	106	94	99
9	83	78	79	93	84	86	97	89	92	105	94	98
10	80	77	78	99	84	88	100	89	92	114	96	104
11	80	77	78	94	84	86	103	90	94	119	100	107
12	81	77	78	96	84	87	104	90	95	124	99	108
13	86	78	80	97	85	88	113	89	98	125	99	108
14	95	79	83	99	84	88	104	92	95	125	100	108
15	92	79	82	103	85	91	109	92	98	121	100	107
16	90	79	82	103	86	90	109	94	99	106	100	102
17	92	79	83	101	85	90	109	95	99	109	98	102
18	95	80	84	---	---	---	108	93	98	115	97	104
19	96	80	85	---	---	---	111	92	99	119	99	106
20	101	81	87	---	---	---	108	92	99	114	99	104
21	98	81	85	---	---	---	110	93	99	111	98	103
22	93	80	84	---	---	---	113	93	100	119	99	107
23	88	81	82	---	---	---	114	93	101	114	100	104
24	93	81	84	---	---	---	120	95	104	109	100	105
25	103	82	88	---	---	---	111	97	101	110	100	106
26	100	81	87	---	---	---	110	98	102	120	101	108
27	102	81	87	---	---	---	112	99	104	130	101	111
28	112	82	96	---	---	---	118	100	107	144	102	115
29	111	85	94	---	---	---	122	101	109	116	110	113
30	105	84	90	---	---	---	125	101	109	---	---	---
31	---	---	---	---	---	---	117	101	107	---	---	---
YEAR	144	51	91									

02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, SC--Continued

pH UNITS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER			NOVEMBER		DECEMBER		JANUARY	
1	7.3	6.3	7.2	6.4	6.9	6.4	6.9	6.5
2	7.5	6.4	7.1	6.5	6.9	6.4	6.9	6.4
3	7.4	6.5	7.0	6.5	7.0	6.3	6.8	6.3
4	7.5	6.4	7.0	6.5	6.8	6.5	6.9	6.1
5	7.3	6.3	7.0	6.5	6.8	6.5	6.8	6.1
6	7.0	6.3	7.2	6.4	6.8	6.5	6.8	6.1
7	7.0	6.3	7.3	6.5	6.9	6.4	6.8	6.2
8	6.8	6.3	7.3	6.6	7.0	6.6	7.0	6.3
9	6.7	6.2	7.5	6.6	7.0	6.6	7.0	6.3
10	6.7	6.2	7.5	6.7	7.3	6.5	6.9	6.5
11	6.8	6.4	7.3	6.8	6.9	6.6	6.9	6.4
12	6.9	6.4	7.0	6.5	7.0	6.4	6.9	6.3
13	6.9	6.4	7.0	6.5	7.1	6.6	7.1	6.4
14	6.8	6.3	7.3	6.8	7.1	6.5	7.1	6.7
15	7.2	6.4	7.2	6.7	7.0	6.7	7.0	6.6
16	7.0	6.4	7.1	6.6	7.0	6.4	7.2	6.5
17	7.2	6.3	7.1	6.5	7.2	6.3	7.2	6.6
18	7.3	6.3	7.0	6.4	7.4	6.5	7.1	6.5
19	7.3	6.3	6.9	6.3	7.3	6.6	7.1	6.5
20	7.3	6.3	6.9	6.4	7.4	6.5	7.2	6.6
21	7.2	6.3	6.9	6.3	7.6	6.4	7.1	7.0
22	6.9	6.3	6.9	6.3	7.7	6.9	7.0	6.5
23	6.9	6.5	6.8	6.3	7.6	6.6	6.7	6.3
24	6.9	6.5	6.8	6.3	7.3	6.5	6.8	6.2
25	7.0	6.5	7.1	6.3	7.4	6.4	7.1	6.4
26	7.0	6.4	6.9	6.5	7.4	6.4	7.1	6.4
27	7.2	6.5	6.8	6.2	7.3	6.5	7.1	6.4
28	7.3	6.6	6.8	6.4	7.1	6.5	7.0	6.7
29	7.4	6.6	6.8	6.4	7.1	6.6	7.0	6.4
30	7.2	6.5	6.9	6.4	6.9	6.5	6.9	6.3
31	7.2	6.4	---	---	7.0	6.6	6.8	6.1
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
FEBRUARY			MARCH		APRIL		MAY	
1	6.9	6.1	6.9	6.4	6.6	6.0	6.7	6.1
2	6.8	6.1	6.7	6.3	6.7	6.0	6.7	6.0
3	6.4	6.0	6.8	6.1	6.4	6.0	6.8	6.1
4	6.8	6.1	6.8	6.2	6.6	6.0	7.0	6.1
5	7.1	6.3	6.7	6.3	6.6	6.0	7.9	6.1
6	7.0	6.4	6.8	6.3	6.8	6.0	7.2	6.2
7	6.9	6.2	6.7	6.1	6.8	6.0	7.1	6.1
8	7.2	6.3	6.6	6.0	6.7	6.0	6.9	6.1
9	7.2	6.4	6.6	6.1	6.6	6.1	7.1	6.1
10	7.2	6.5	6.7	6.0	6.7	6.1	7.3	6.3
11	6.9	6.5	6.7	6.1	6.7	6.0	7.0	6.2
12	7.0	6.3	6.9	6.2	6.8	6.2	7.1	6.1
13	7.0	6.3	7.1	6.3	6.8	6.4	7.1	6.2
14	7.0	6.5	7.1	6.5	6.7	6.3	7.0	6.1
15	6.9	6.3	7.1	6.4	6.5	6.1	6.9	6.2
16	6.8	6.1	6.9	6.4	6.5	6.1	6.9	6.2
17	6.8	6.1	6.8	6.3	6.8	6.1	7.0	6.2
18	6.8	6.1	6.6	5.9	6.7	6.0	7.1	6.4
19	6.7	6.1	6.2	5.9	6.7	6.0	6.9	6.3
20	6.8	6.2	6.2	5.9	6.8	6.0	6.9	6.2
21	7.0	6.3	6.6	6.1	6.9	6.0	7.1	6.2
22	6.9	6.2	6.3	6.1	6.9	6.0	7.0	6.3
23	6.8	6.2	7.1	6.2	6.7	6.1	7.0	6.3
24	6.9	6.3	6.8	6.2	6.6	6.1	7.3	6.3
25	6.9	6.3	7.0	6.4	6.8	6.0	7.4	6.4
26	7.0	6.3	6.8	6.3	6.9	6.1	7.0	6.3
27	7.0	6.4	6.7	6.3	6.8	6.1	7.0	6.2
28	6.9	6.6	6.6	6.1	6.7	6.0	7.1	6.3
29	---	---	6.8	6.1	6.7	6.1	6.9	6.3
30	---	---	6.8	6.0	6.9	6.1	6.8	6.2
31	---	---	6.7	6.0	---	---	6.9	6.2



## COOPER RIVER BASIN

02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, SC--Continued

pH UNITS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	JUNE		JULY		AUGUST		SEPTEMBER	
1	7.1	6.2	6.6	6.2	---	---	6.7	6.2
2	7.2	6.3	6.6	6.2	6.8	6.4	6.6	6.1
3	7.0	6.2	---	---	6.8	6.3	6.6	6.1
4	6.8	6.2	---	---	6.8	6.4	6.6	6.1
5	6.7	6.3	---	---	6.9	6.4	6.6	6.2
6	6.9	6.3	---	---	6.9	6.4	6.7	6.2
7	6.8	6.3	6.8	6.3	6.9	6.4	6.6	6.2
8	6.8	6.3	6.9	6.3	6.9	6.4	6.8	6.2
9	6.9	6.4	6.9	6.3	7.0	6.4	6.7	6.1
10	6.8	6.3	6.9	6.2	6.9	6.3	6.6	6.1
11	7.0	6.3	6.9	6.3	6.9	6.3	6.6	6.1
12	6.9	6.3	6.9	6.3	6.9	6.4	6.6	6.1
13	6.9	6.3	6.8	6.3	6.9	6.4	6.6	6.2
14	6.8	6.2	6.8	6.3	6.9	6.4	6.5	6.2
15	7.0	6.3	6.8	6.3	7.0	6.4	6.6	6.2
16	7.0	6.3	6.8	6.3	7.0	6.4	6.7	6.2
17	6.9	6.2	6.8	6.3	7.0	6.2	6.7	6.1
18	6.9	6.2	---	---	6.6	6.1	6.8	6.1
19	6.8	6.2	---	---	6.8	6.1	6.8	6.1
20	6.7	6.2	---	---	6.7	6.1	6.7	6.2
21	6.7	6.2	---	---	6.7	6.1	6.7	6.2
22	6.7	6.3	---	---	6.8	6.1	6.9	6.2
23	6.7	6.3	---	---	6.7	6.2	7.2	6.3
24	6.7	6.2	---	---	6.7	6.2	7.3	6.3
25	6.7	6.2	---	---	6.7	6.2	7.5	6.3
26	6.8	6.2	---	---	6.7	6.2	7.8	6.5
27	6.8	6.3	---	---	6.7	6.1	7.8	6.5
28	6.8	6.2	---	---	6.8	6.1	7.7	6.6
29	6.6	6.2	---	---	6.8	6.1	7.3	6.7
30	6.6	6.2	---	---	6.8	6.1	---	---
31	---	---	---	---	6.8	6.2	---	---
YEAR	7.9	5.9	---	---	---	---	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.2	23.2	23.8	18.4	17.4	18.0	17.2	16.2	16.7	11.8	11.5	11.7
2	24.5	23.1	24.0	18.4	17.5	18.0	17.4	16.4	17.0	11.6	11.3	11.5
3	24.8	23.7	24.3	18.6	17.8	18.4	17.7	16.5	17.1	11.5	10.7	11.1
4	24.8	23.6	24.3	19.1	18.3	18.7	17.9	16.6	17.3	11.2	10.1	10.7
5	24.8	24.0	24.5	18.5	17.0	17.7	18.1	16.2	17.0	10.6	9.7	10.2
6	25.0	23.9	24.5	17.2	16.1	16.6	17.7	16.2	16.8	10.7	9.4	10.0
7	25.1	24.0	24.7	16.1	15.5	15.8	17.4	15.9	16.5	10.2	9.7	10.0
8	24.8	24.5	24.7	16.0	15.1	15.6	16.2	15.5	15.8	11.0	9.9	10.4
9	24.7	24.3	24.6	16.6	15.4	16.1	15.9	15.5	15.7	10.7	10.1	10.5
10	24.8	24.3	24.6	16.4	15.8	16.2	15.6	15.0	15.4	10.8	10.4	10.7
11	24.3	23.7	24.1	16.3	15.9	16.2	15.4	15.1	15.4	11.1	10.6	10.8
12	24.0	23.5	23.8	16.8	16.0	16.5	15.4	12.8	14.0	10.7	9.8	10.4
13	24.3	23.6	24.0	16.8	16.0	16.6	13.3	11.7	12.7	9.9	9.4	9.7
14	24.5	24.0	24.3	16.0	15.3	15.7	12.9	11.9	12.6	9.8	9.0	9.5
15	24.0	23.3	23.7	15.7	15.3	15.5	13.2	12.9	13.1	9.8	9.1	9.4
16	23.4	22.4	22.9	15.1	14.3	14.7	13.7	13.0	13.4	9.4	8.5	9.0
17	22.6	21.2	21.8	14.8	13.8	14.4	13.2	12.2	12.5	9.2	8.1	8.7
18	21.5	20.0	20.8	15.1	14.3	14.8	12.1	11.4	11.8	8.7	7.5	8.2
19	21.1	19.6	20.7	15.5	14.3	15.1	11.5	10.7	11.2	7.9	6.5	7.2
20	21.7	20.1	21.1	15.8	14.9	15.5	11.5	10.4	11.1	7.3	6.0	6.7
21	22.2	20.7	21.6	16.2	15.2	15.8	11.5	10.5	11.0	6.6	6.2	6.5
22	22.1	20.7	21.6	16.4	15.5	16.0	11.4	10.5	11.0	6.9	6.4	6.8
23	20.7	18.9	19.9	16.6	15.8	16.2	11.6	10.5	11.0	7.7	6.8	7.2
24	18.6	15.8	17.6	16.8	16.1	16.5	11.8	10.5	11.1	8.1	7.1	7.6
25	16.6	14.7	15.8	16.4	15.4	15.8	12.0	11.1	11.5	8.1	7.0	7.6
26	16.2	14.5	15.4	15.5	15.1	15.4	12.2	11.3	11.8	8.0	6.9	7.6
27	16.7	15.0	16.1	15.8	15.4	15.6	12.3	11.4	11.9	8.0	7.1	7.5
28	16.9	15.7	16.4	15.8	15.5	15.8	12.7	11.4	12.2	7.9	7.1	7.5
29	17.1	15.9	16.6	16.8	15.8	16.3	13.1	12.1	12.6	8.4	7.3	7.8
30	17.5	16.1	17.0	17.0	16.0	16.5	13.2	11.9	12.4	9.1	7.8	8.5
31	18.0	16.7	17.5	---	---	---	12.0	11.7	11.9	9.7	8.2	8.9

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.5	8.3	9.4	11.0	10.3	10.6	14.7	12.5	13.6	20.9	17.0	18.7
2	11.8	8.6	10.0	12.0	10.3	11.2	15.0	13.2	14.1	21.4	17.3	19.1
3	11.9	10.7	11.6	12.5	10.7	11.7	15.6	13.8	15.0	21.7	17.9	19.5
4	10.6	9.4	10.2	13.5	10.9	12.3	15.9	13.3	15.0	22.0	18.2	20.5
5	9.8	8.2	8.8	14.3	10.9	13.1	16.3	13.7	15.2	21.6	18.8	20.1
6	8.8	8.2	8.5	15.5	11.4	13.7	16.9	13.8	15.5	21.2	19.0	20.1
7	8.6	8.1	8.5	16.4	12.1	15.1	17.5	14.4	16.1	22.2	19.5	20.7
8	8.7	7.8	8.4	17.3	12.3	15.9	18.0	14.7	15.9	21.9	19.1	20.3
9	8.6	7.8	8.3	17.6	13.2	16.2	17.2	14.8	15.8	21.9	19.6	20.6
10	8.5	8.0	8.4	17.1	13.2	15.0	18.9	14.7	16.7	21.4	19.7	20.4
11	8.6	8.3	8.5	15.3	12.7	13.9	18.9	15.6	17.1	22.2	19.9	20.8
12	8.5	7.9	8.3	13.6	12.1	12.9	17.0	15.7	16.5	23.4	20.5	21.5
13	8.1	7.3	7.8	13.3	12.1	12.8	17.6	16.0	16.7	23.3	20.7	21.6
14	7.7	7.3	7.5	13.6	12.5	13.0	17.7	16.5	16.9	23.9	21.2	22.2
15	8.5	7.1	7.8	14.2	12.8	13.4	18.0	16.5	17.1	24.1	21.6	22.5
16	8.8	7.7	8.3	14.1	12.7	13.4	18.2	16.3	17.3	23.8	21.6	22.5
17	9.8	8.1	8.9	13.2	12.6	12.8	17.6	15.9	16.9	22.6	21.5	22.1
18	10.5	8.4	9.6	14.2	12.8	13.6	16.8	15.9	16.3	22.3	21.4	21.9
19	10.7	8.5	9.8	15.7	14.0	14.8	16.2	14.9	15.4	22.1	21.3	21.7
20	10.9	8.7	10.0	16.6	15.1	15.8	16.0	14.4	15.1	22.5	21.5	22.0
21	10.8	8.5	9.7	16.7	14.4	15.6	16.4	14.7	15.4	23.1	21.8	22.3
22	11.9	9.1	10.4	15.8	14.7	15.2	16.6	14.9	15.8	23.7	21.9	22.7
23	13.0	9.7	11.7	14.7	13.0	14.0	16.2	15.6	15.9	24.2	22.3	23.1
24	12.9	10.5	11.6	14.0	11.8	12.8	16.1	15.6	15.9	24.8	22.8	23.6
25	12.5	10.5	11.5	12.6	11.0	11.9	16.6	15.3	15.9	24.7	23.1	23.7
26	11.6	10.0	10.9	12.5	11.2	12.0	16.9	15.5	16.1	24.8	23.1	23.9
27	10.8	10.0	10.5	12.8	12.1	12.5	17.7	15.9	16.7	25.1	23.3	24.0
28	10.4	9.3	10.2	14.1	12.6	13.2	18.9	16.4	17.5	24.8	23.4	24.0
29	---	---	---	14.3	12.8	13.5	19.8	16.7	18.2	25.1	23.3	24.0
30	---	---	---	14.5	12.9	13.7	20.2	16.8	18.2	25.4	23.5	24.4
31	---	---	---	13.9	13.0	13.5	---	---	---	25.7	23.9	24.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	25.6	24.2	24.9	28.0	27.3	27.7	---	---	---	29.8	28.9	29.5
2	25.3	24.2	24.8	28.3	27.2	27.7	30.2	29.2	29.5	28.9	28.3	28.6
3	25.5	24.2	24.9	---	---	---	30.1	28.9	29.4	28.8	28.0	28.4
4	25.9	24.6	25.1	---	---	---	30.2	29.1	29.6	29.3	28.2	28.8
5	26.5	24.7	25.5	---	---	---	30.6	29.3	30.0	30.1	28.9	29.4
6	26.5	25.0	25.7	---	---	---	30.9	29.7	30.2	30.4	29.4	29.8
7	26.6	25.4	25.8	28.7	28.0	28.5	30.5	29.6	30.1	30.2	29.3	29.6
8	26.1	25.0	25.5	28.4	27.7	28.2	30.4	29.3	29.8	30.1	29.4	29.7
9	25.2	24.6	25.0	28.8	27.7	28.3	30.2	29.4	29.8	29.6	29.4	29.5
10	24.5	24.1	24.3	29.0	27.9	28.6	30.5	29.6	30.0	29.7	29.0	29.4
11	25.0	23.7	24.4	29.3	28.4	28.9	30.3	29.7	30.1	29.6	29.2	29.5
12	25.5	24.4	25.0	29.7	28.7	29.1	30.0	29.3	29.6	29.8	29.2	29.6
13	25.5	24.6	25.0	29.8	28.6	29.1	29.6	29.1	29.3	29.6	29.0	29.3
14	25.6	24.3	25.0	30.1	28.5	29.1	29.3	28.6	29.0	29.0	27.6	28.6
15	25.9	24.8	25.3	30.2	28.7	29.4	28.7	28.1	28.5	27.7	27.3	27.5
16	26.3	25.2	25.7	30.2	29.0	29.5	28.3	27.7	28.1	27.2	26.5	26.8
17	26.6	25.2	25.8	30.3	29.4	29.7	28.4	27.7	28.0	27.1	26.0	26.6
18	27.0	25.3	26.0	---	---	---	28.8	27.8	28.4	27.5	26.2	26.9
19	27.3	25.5	26.2	---	---	---	29.5	28.4	28.9	27.8	26.7	27.3
20	27.3	25.4	26.2	---	---	---	29.9	28.8	29.3	27.8	27.2	27.5
21	26.9	25.4	25.9	---	---	---	30.8	29.0	29.6	27.8	27.0	27.4
22	26.6	25.4	25.9	---	---	---	31.2	29.2	29.9	27.2	26.1	26.7
23	26.5	25.4	25.9	---	---	---	31.3	29.1	29.9	26.0	25.0	25.6
24	26.8	25.5	26.2	---	---	---	31.6	29.4	30.1	25.3	24.3	24.9
25	27.3	26.2	26.8	---	---	---	30.5	29.6	30.0	24.5	23.6	24.1
26	27.6	26.8	27.2	---	---	---	30.0	29.3	29.7	24.0	23.1	23.7
27	28.6	27.0	27.6	---	---	---	30.1	29.1	29.6	23.6	22.8	23.3
28	28.8	27.1	28.0	---	---	---	30.4	29.5	30.0	23.4	22.6	23.1
29	28.7	27.2	27.9	---	---	---	30.5	29.9	30.3	23.1	22.4	22.8
30	28.2	27.2	27.7	---	---	---	30.5	29.9	30.2	---	---	---
31	---	---	---	---	---	---	30.3	29.7	30.0	---	---	---
YEAR	31.6	6.0	19.0									

## COOPER RIVER BASIN

02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.9	5.4	6.8	9.6	6.9	8.6	9.6	7.8	9.0	9.8	8.2	9.2
2	8.2	5.6	7.2	9.4	7.6	8.7	9.9	7.6	9.1	9.6	7.4	8.8
3	8.1	6.1	7.4	9.4	7.0	8.7	10.0	8.0	9.3	9.5	7.2	8.3
4	8.1	5.4	6.9	9.2	7.2	8.5	9.5	7.6	8.9	9.8	7.0	8.3
5	7.7	4.3	6.3	9.2	7.0	8.0	9.2	7.4	8.7	9.4	7.2	8.2
6	7.3	4.1	6.2	9.8	6.7	8.6	8.8	7.3	8.3	9.7	7.2	7.8
7	7.9	4.3	6.6	10.0	7.3	9.0	8.9	6.7	8.1	9.5	7.1	8.1
8	7.1	4.9	6.5	10.0	8.0	9.3	9.2	8.1	8.8	9.9	7.3	8.5
9	6.7	4.0	5.8	10.3	8.5	9.6	8.9	7.6	8.5	9.6	7.2	8.9
10	6.6	3.9	5.6	10.2	9.0	9.6	9.3	7.2	8.6	9.4	8.1	9.0
11	7.1	5.4	6.3	10.0	9.1	9.5	8.7	7.8	8.4	9.2	7.5	8.4
12	7.6	5.4	6.4	9.7	8.1	8.9	9.3	7.4	8.1	9.5	7.0	7.8
13	7.4	5.6	6.6	9.7	7.7	8.7	9.8	8.5	9.4	10.0	7.4	9.4
14	7.3	5.5	6.4	10.2	9.2	9.8	10.0	8.4	9.5	10.0	9.2	9.8
15	8.3	5.6	7.1	10.1	9.1	9.6	10.2	9.5	10.0	10.0	8.8	9.4
16	8.0	5.9	7.1	10.2	8.5	9.5	10.0	8.1	9.1	10.4	8.5	9.6
17	8.6	5.3	7.1	10.3	8.2	9.4	10.6	7.4	9.3	10.7	8.9	10.0
18	8.8	5.2	7.4	10.1	8.0	9.2	10.7	8.4	10.0	10.9	8.8	10.0
19	8.9	5.7	7.7	10.1	7.8	9.2	10.7	8.9	10.3	10.7	9.2	10.0
20	8.8	5.7	7.5	10.0	8.0	9.3	11.1	8.7	9.9	11.1	9.3	10.5
21	8.5	5.6	7.3	10.0	7.8	9.1	11.4	8.5	10.2	11.2	10.9	11.1
22	8.1	5.3	7.1	10.0	7.5	9.0	11.4	10.3	10.9	11.1	10.2	10.8
23	8.1	6.4	7.5	9.7	7.4	8.9	11.4	9.3	10.6	10.7	9.5	10.2
24	8.9	7.2	8.1	9.2	7.0	8.3	11.0	8.7	9.8	10.8	9.3	10.1
25	9.0	7.4	8.1	9.9	7.1	9.1	11.1	8.5	9.7	11.9	9.6	10.9
26	9.2	7.3	8.3	9.6	8.1	9.1	11.0	8.3	10.1	12.0	9.7	11.1
27	9.5	7.8	8.9	9.0	7.0	8.1	10.8	8.8	10.2	12.6	10.2	11.8
28	9.8	8.3	9.2	9.2	7.1	8.5	10.5	8.8	10.0	12.6	11.8	12.4
29	9.9	8.1	9.1	9.1	7.6	8.4	10.3	8.9	9.8	12.4	10.7	11.7
30	9.7	7.7	8.9	9.6	7.3	8.7	9.8	8.3	9.4	12.0	9.8	11.1
31	9.7	7.1	8.6	---	---	---	10.0	8.5	9.5	11.7	9.0	10.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.6	8.3	10.0	11.1	9.3	10.3	9.2	6.0	7.6	9.1	4.6	7.3
2	11.2	7.9	10.1	10.7	8.5	9.4	9.6	6.0	8.0	8.9	4.0	7.2
3	8.5	6.8	8.0	11.0	8.2	9.5	8.3	5.8	7.0	9.2	4.4	7.4
4	11.0	7.0	8.5	10.8	8.1	9.2	9.5	5.9	7.3	9.4	3.7	6.1
5	11.6	8.1	10.5	10.5	8.0	8.9	9.6	6.0	7.9	10.5	3.7	8.4
6	11.1	9.2	10.6	10.4	7.6	9.0	11.1	6.1	9.2	9.9	6.5	8.5
7	11.0	8.6	9.7	10.1	6.5	7.8	11.0	5.9	9.0	9.6	4.0	7.4
8	11.7	8.6	10.4	9.6	5.9	7.2	10.4	5.6	8.9	9.1	4.7	7.8
9	11.8	8.9	10.9	9.6	5.9	7.2	10.1	6.7	9.0	9.5	4.1	7.5
10	11.8	9.7	11.2	10.3	5.7	8.0	10.2	5.9	8.1	9.7	7.0	8.7
11	11.2	10.2	10.9	10.0	5.9	8.0	10.5	5.3	8.0	9.2	5.3	7.9
12	11.6	9.3	10.4	10.9	6.6	9.1	10.9	7.8	10.1	8.8	4.2	7.0
13	11.6	9.2	10.9	11.4	8.0	10.5	10.7	9.0	10.0	8.4	5.0	7.2
14	11.7	10.7	11.4	11.5	10.0	10.9	10.1	8.1	9.3	8.2	4.5	6.7
15	11.7	10.0	10.7	11.5	9.1	10.6	9.2	6.3	8.2	7.9	4.3	6.5
16	11.6	9.5	10.4	11.3	9.1	10.6	8.9	5.9	7.1	7.9	4.8	6.7
17	11.3	9.2	10.3	10.7	9.2	10.3	10.4	6.0	8.4	8.1	5.1	7.2
18	11.4	8.6	9.7	10.2	7.7	8.6	9.8	5.6	8.2	8.4	6.3	7.7
19	11.3	8.6	9.6	8.5	7.3	8.1	10.2	5.6	7.4	7.8	5.4	7.1
20	11.1	8.6	9.6	7.8	6.4	7.5	9.5	5.3	7.8	7.8	5.2	6.8
21	11.8	8.7	10.5	9.9	7.4	8.6	9.9	5.1	7.3	8.1	5.1	6.9
22	11.4	8.6	10.4	7.4	5.8	6.5	9.7	5.5	8.2	8.0	5.7	7.1
23	10.9	7.8	9.5	12.1	6.4	9.6	8.7	6.2	8.2	7.9	5.5	6.9
24	11.1	8.2	10.1	10.8	7.9	9.9	8.3	6.0	7.2	8.3	5.1	6.9
25	11.0	8.8	10.3	11.5	9.1	10.5	9.3	5.0	6.8	8.5	6.2	7.5
26	11.2	8.7	10.4	11.1	9.0	10.5	9.7	6.2	8.2	7.7	5.5	7.1
27	11.3	9.2	10.8	10.4	8.9	9.8	9.7	5.8	8.1	7.7	4.5	6.4
28	11.1	10.0	10.9	9.6	7.3	8.1	9.6	5.3	7.6	8.2	5.4	7.2
29	---	---	---	10.1	6.8	8.4	9.1	5.3	7.4	7.6	4.8	6.7
30	---	---	---	10.3	6.3	8.4	9.9	5.0	7.8	7.0	3.8	5.7
31	---	---	---	9.6	6.5	8.6	---	---	---	6.9	3.4	5.6





## COOPER RIVER BASIN

02172050 COOPER RIVER NEAR GOOSE CREEK, SC

LOCATION.--Lat 33°02'26", long 79°56'14", Berkeley County, Hydrologic Unit 03050201, on right bank 6.2 mi downstream from Seaboard Coast Line Railroad bridge, 7.4 mi upstream from Goose Creek, and at mile 28.5.

PERIOD OF RECORD.--October 1971 to current year.

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1970 to current year.

pH: July 1981 to current year.

WATER TEMPERATURE: October 1970 to current year.

DISSOLVED OXYGEN: July 1981 to current year.

INSTRUMENTATION.--Servo Programmer October 1970 to October 1980, water quality monitor since July 1981.

REMARKS.--Top and bottom temperature July 1975 to October 1980.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, >3900 micromhos Dec. 2, 1978; minimum, 43 micromhos Apr. 16, 20, 23-25, May 2, 1975.

pH: Maximum, 8.5 units Sept. 29-30, 1981; minimum, 6.4 units Apr. 29-30, May 1, June 23, 1982.

WATER TEMPERATURE: Maximum, 31.5°C July 29, 1981; minimum, 4.5°C Feb. 19, 1979.

DISSOLVED OXYGEN: Maximum, 12.0 mg/L Jan. 28, 29, 1983; minimum, 3.0 mg/L July 20, 1983.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE (Top): Maximum, 1040 micromhos Sept. 30; minimum, 60 micromhos several days March, April, May.

SPECIFIC CONDUCTANCE (Bottom): Maximum, 940 micromhos Sept. 30, 1982; minimum, 55 micromhos June 9, 1983.

pH: Maximum, 8.2 units May 5, 1983; minimum, 6.5 units Mar. 19, 1983, several days in June and July.

TEMPERATURE (Top): Maximum, 30.7°C Aug. 30; minimum, 5.7°C Jan. 21.

DISSOLVED OXYGEN: Maximum, 12.0 mg/L Jan. 28, 29, 1983; minimum, 4.0 mg/L June 29, July 21.

## SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	900	125	453	210	95	137	125	90	101	105	105	105
2	720	120	350	160	90	115	120	90	97	105	105	105
3	500	115	276	130	90	103	120	90	98	105	100	104
4	570	125	308	125	90	98	120	90	99	105	100	100
5	615	125	331	90	90	90	110	90	94	100	100	100
6	555	125	315	90	90	90	90	90	90	100	100	100
7	810	135	391	95	90	92	90	90	90	100	100	100
8	975	100	305	110	90	97	90	90	90	105	100	100
9	155	95	120	110	90	93	90	85	89	100	100	100
10	180	100	125	90	85	88	90	90	90	105	100	100
11	285	100	173	90	85	86	90	90	90	100	100	100
12	315	100	191	90	85	86	90	85	86	105	100	100
13	335	100	191	90	85	89	90	85	85	105	100	100
14	175	95	122	90	85	89	90	85	85	105	100	100
15	120	90	100	90	85	85	90	85	89	100	100	100
16	95	90	92	90	85	87	90	90	90	105	100	100
17	100	90	94	95	85	90	90	90	90	105	100	100
18	105	90	97	105	90	93	90	90	90	105	100	100
19	115	90	100	110	90	97	90	90	90	105	100	101
20	125	95	104	130	90	104	90	90	90	105	100	104
21	120	95	104	135	90	107	90	90	90	105	100	102
22	120	95	104	130	90	107	90	90	90	100	100	100
23	140	95	116	160	95	120	90	90	90	100	100	100
24	345	90	137	165	90	112	90	90	90	100	95	97
25	120	90	97	110	90	94	95	90	90	100	95	96
26	95	90	92	90	90	90	95	90	92	100	95	97
27	145	90	110	90	90	90	105	95	97	100	95	99
28	290	90	169	205	90	119	105	100	104	100	95	99
29	355	95	193	220	90	135	105	105	105	100	95	97
30	280	95	167	145	90	108	105	105	105	100	95	99
31	220	95	146	---	---	---	105	105	105	100	95	97

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	100	95	97	85	80	81	70	70	70	65	60	63
2	100	95	99	85	80	80	70	70	70	65	60	63
3	105	95	97	80	75	78	70	70	70	65	60	62
4	100	95	97	80	75	76	70	70	70	65	65	65
5	100	95	99	80	75	77	---	---	---	65	65	65
6	100	95	99	80	75	77	---	---	---	65	65	65
7	100	95	96	80	75	76	---	---	---	65	65	65
8	100	95	96	75	70	73	---	---	---	65	65	65
9	100	95	95	75	70	74	---	---	---	65	65	65
10	100	95	96	80	70	74	---	---	---	65	65	65
11	95	95	95	80	75	75	---	---	---	65	65	65
12	95	95	95	80	75	75	---	---	---	65	65	65
13	95	90	92	75	75	75	---	---	---	65	65	65
14	90	90	90	80	75	75	---	---	---	65	65	65
15	90	85	86	75	75	75	---	---	---	70	65	65
16	85	80	82	75	75	75	---	---	---	70	65	66
17	85	80	82	75	70	74	---	---	---	70	70	70
18	85	80	84	75	65	69	---	---	---	70	70	70
19	85	80	84	65	60	62	---	---	---	70	70	70
20	85	80	83	70	65	66	65	65	65	70	70	70
21	85	80	83	70	60	67	65	65	65	70	70	70
22	85	80	83	75	70	71	65	65	65	70	70	70
23	85	80	84	75	70	72	65	65	65	70	70	70
24	85	80	81	75	70	71	65	65	65	70	70	70
25	85	80	80	70	70	70	70	65	65	70	70	70
26	85	80	80	70	70	70	65	65	65	70	70	70
27	80	80	80	70	70	70	65	60	63	70	70	70
28	80	80	80	70	65	68	65	60	64	70	70	70
29	---	---	---	70	60	68	65	65	65	70	70	70
30	---	---	---	70	70	70	65	60	64	70	70	70
31	---	---	---	70	70	70	---	---	---	70	70	70
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE												
1	70	70	70	90	85	87	95	90	90	290	100	175
2	75	70	70	90	85	86	90	90	90	370	105	223
3	75	70	71	90	85	85	100	90	94	520	105	280
4	75	70	74	90	85	86	110	95	100	495	110	274
5	75	70	74	90	85	86	125	90	103	450	110	259
6	75	75	75	95	85	88	115	90	99	400	105	212
7	75	75	75	95	80	85	140	90	104	175	95	123
8	75	75	75	120	85	97	140	90	109	125	90	105
9	85	75	77	120	85	95	120	85	99	105	90	96
10	90	75	79	100	85	89	105	85	91	110	95	101
11	85	75	76	100	85							

## COOPER RIVER BASIN

02172050 COOPER RIVER NEAR GOOSE CREEK, SC--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	820	125	425	220	100	144	125	90	104	116	111	112
2	655	120	327	170	95	120	120	90	101	116	110	111
3	460	115	261	135	95	108	125	90	101	115	110	111
4	520	125	290	130	90	102	120	95	102	115	104	108
5	565	125	310	95	90	92	110	90	97	109	104	105
6	510	125	299	95	90	94	95	90	92	108	103	104
7	735	135	365	100	90	94	95	90	91	108	102	104
8	905	105	291	110	90	99	90	90	90	107	102	104
9	160	100	126	110	90	95	95	90	90	107	101	106
10	185	105	129	90	90	90	95	90	90	106	105	106
11	290	105	177	90	90	90	90	90	90	105	100	104
12	315	100	194	90	90	90	90	85	89	105	99	104
13	320	105	188	95	90	90	90	90	90	104	99	104
14	165	100	126	95	90	90	90	90	90	109	99	104
15	125	100	107	95	90	90	95	90	90	104	99	103
16	105	95	98	90	90	90	90	90	90	104	104	104
17	105	95	98	100	90	90	95	90	90	104	98	103
18	115	95	102	105	90	95	95	90	90	103	98	102
19	120	95	106	110	90	99	95	90	90	103	98	103
20	130	100	110	130	90	106	95	90	90	108	103	103
21	130	100	111	135	95	109	95	90	91	108	98	102
22	125	100	110	130	95	108	95	90	90	103	97	99
23	145	100	120	160	95	121	95	90	90	102	97	99
24	345	95	140	160	95	114	95	90	91	97	97	97
25	125	95	101	110	90	95	95	90	94	97	92	95
26	100	95	96	95	90	90	95	95	95	97	92	97
27	150	95	114	95	90	91	114	95	104	105	97	98
28	285	95	172	200	90	119	119	114	114	100	100	100
29	355	100	197	215	95	136	119	113	116	105	100	100
30	285	100	171	145	95	111	118	112	114	105	100	100
31	225	100	152	---	---	---	117	112	113	100	100	100

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	105	100	100	90	85	85	70	70	70	70	65	67
2	105	100	101	85	80	83	70	70	70	70	65	67
3	105	100	101	85	80	80	70	70	70	70	65	69
4	105	100	101	80	80	80	70	70	70	70	65	69
5	105	100	100	80	80	80	---	---	---	70	65	67
6	105	100	101	85	80	80	---	---	---	70	65	69
7	105	95	100	80	75	78	---	---	---	75	70	70
8	100	95	99	80	75	76	---	---	---	70	70	70
9	100	95	99	80	75	75	---	---	---	70	70	70
10	105	100	100	80	75	76	---	---	---	70	70	70
11	100	100	100	80	75	76	---	---	---	70	70	70
12	100	95	99	80	75	76	---	---	---	75	70	71
13	100	95	95	80	75	77	---	---	---	75	70	72
14	95	90	92	80	75	78	---	---	---	75	70	73
15	95	90	90	80	75	78	---	---	---	75	70	74
16	90	85	87	80	75	78	---	---	---	75	75	75
17	90	85	85	80	75	76	---	---	---	75	70	74
18	90	85	87	75	65	70	---	---	---	75	75	75
19	90	85	87	70	65	66	---	---	---	80	75	75
20	90	85	86	70	65	69	70	65	68	80	75	76
21	90	85	87	75	65	70	70	70	70	80	75	75
22	90	85	88	75	70	72	70	70	70	80	75	75
23	90	85	85	75	70	74	70	65	69	80	75	77
24	85	80	84	80	75	75	70	70	70	80	75	77
25	85	85	85	75	70	72	70	65	69	80	70	75
26	85	85	85	75	70	71	70	65	78	75	70	72
27	85	80	84	75	70	71	70	65	67	75	70	73
28	85	85	85	75	65	71	70	65	67	75	70	72
29	---	---	---	70	70	70	70	60	64	75	70	72
30	---	---	---	70	70	70	70	65	68	75	70	74
31	---	---	---	70	70	70	---	---	---	75	75	75

## 02172050 COOPER RIVER NEAR GOOSE CREEK, SC--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	75	60	73	90	85	86	90	90	90	275	100	172
2	75	70	72	90	85	85	95	90	91	340	105	212
3	75	65	72	90	85	85	100	95	96	480	105	268
4	75	65	72	90	85	86	110	95	100	455	110	261
5	80	75	75	90	85	86	125	90	104	415	110	248
6	75	75	75	95	85	87	115	90	100	375	110	206
7	75	75	75	95	85	86	135	90	105	170	95	124
8	75	75	75	115	85	96	140	90	109	125	95	107
9	80	55	75	115	80	93	120	90	101	110	95	100
10	85	75	77	100	85	89	105	90	93	115	95	104
11	85	75	75	100	80	88	95	90	92	115	100	105
12	75	75	75	100	85	89	95	90	90	110	100	103
13	80	75	75	95	85	87	95	90	90	105	100	100
14	75	75	75	90	85	86	95	90	92	110	100	104
15	80	75	77	90	85	85	100	90	95	165	100	114
16	80	75	79	90	85	85	120	95	103	400	100	219
17	80	80	80	90	85	86	135	95	109	335	100	170
18	80	80	80	90	85	86	115	95	99	180	100	132
19	80	80	80	90	85	87	95	90	92	165	100	130
20	80	80	80	95	85	88	95	90	92	185	100	133
21	85	80	80	90	85	88	95	90	94	185	100	136
22	85	80	80	90	85	89	100	90	95	140	95	115
23	85	80	80	90	85	88	---	---	---	200	100	133
24	80	80	80	90	85	87	100	95	96	235	100	162
25	85	80	80	95	85	89	120	95	101	255	105	177
26	85	80	81	95	85	89	145	100	114	325	115	214
27	85	80	81	95	85	89	160	100	127	415	110	252
28	85	80	84	90	85	87	165	100	127	560	120	324
29	85	85	85	90	85	88	150	100	121	735	125	388
30	85	85	85	90	85	89	155	100	125	940	125	442
31	---	---	---	90	90	90	240	105	157	---	---	---
YEAR	940	55	106									

## COOPER RIVER BASIN

## 02172050 COOPER RIVER NEAR GOOSE CREEK, SC--Continued

PH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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



pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
FEBRUARY			MARCH		APRIL		MAY	
1	7.1	6.9	7.1	6.9	7.2	6.6	7.4	6.8
2	7.1	6.8	7.2	6.6	7.0	6.8	7.3	6.7
3	7.0	6.8	7.2	6.9	7.0	6.8	7.3	6.8
4	7.2	6.9	7.2	6.9	6.8	6.8	7.5	6.8
5	7.2	7.0	7.1	6.8	---	---	8.2	6.9
6	7.1	7.0	7.0	6.8	---	---	7.5	6.8
7	7.2	7.0	6.9	6.7	---	---	7.3	6.7
8	7.3	6.9	6.8	6.6	---	---	7.1	6.8
9	7.3	7.0	7.0	6.7	---	---	7.1	6.7
10	7.2	7.1	7.0	6.7	---	---	7.3	6.8
11	7.2	7.0	7.0	6.6	---	---	7.2	6.8
12	7.3	7.0	7.1	6.8	---	---	7.2	6.8
13	7.2	7.0	7.3	6.8	---	---	7.4	6.8
14	7.1	7.0	7.3	6.9	---	---	7.1	6.7
15	7.2	7.0	7.2	6.9	---	---	7.1	6.7
16	7.1	6.9	7.1	6.9	---	---	7.1	6.7
17	7.1	6.9	6.9	6.8	---	---	7.2	6.8
18	7.1	6.9	6.9	6.6	---	---	7.1	6.8
19	7.2	6.9	6.7	6.5	---	---	7.0	6.8
20	7.2	7.0	6.9	6.6	7.4	6.7	7.0	6.7
21	7.2	6.8	7.0	6.6	7.2	6.8	7.0	6.7
22	7.2	6.9	7.1	6.7	7.2	6.8	7.0	6.7
23	7.1	6.9	7.2	6.8	7.0	6.7	6.9	6.8
24	7.1	6.8	7.0	6.8	6.9	6.7	7.0	6.8
25	7.1	6.9	7.1	6.8	7.1	6.7	7.4	6.7
26	7.2	6.9	7.1	6.9	7.4	6.8	7.0	6.7
27	7.2	7.0	7.0	6.8	7.5	6.9	7.1	6.7
28	7.1	7.0	7.0	6.8	7.5	6.6	7.7	6.5
29	---	---	7.1	6.8	7.5	6.7	7.3	6.7
30	---	---	7.2	6.7	7.4	6.8	7.0	6.6
31	---	---	7.0	6.8	---	---	7.0	6.6
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
JUNE			JULY		AUGUST		SEPTEMBER	
1	7.3	6.7	6.7	6.6	7.0	6.8	7.2	6.8
2	7.4	6.8	6.7	6.5	7.0	6.7	7.1	6.7
3	7.4	6.8	6.8	6.6	7.0	6.7	7.1	6.8
4	6.9	6.7	6.7	6.6	6.9	6.7	7.0	6.8
5	6.8	6.6	6.7	6.6	6.9	6.7	7.0	6.8
6	6.7	6.7	6.8	6.7	6.9	6.7	7.1	6.8
7	6.7	6.7	6.8	6.6	6.9	6.7	7.2	6.8
8	6.7	6.6	6.9	6.7	6.9	6.6	7.3	6.8
9	6.7	6.6	7.0	6.6	7.0	6.6	7.1	6.8
10	6.7	6.6	7.0	6.7	6.9	6.7	7.0	6.7
11	7.1	6.5	7.0	6.7	6.9	6.7	7.0	6.8
12	7.2	6.7	6.9	6.7	6.9	6.6	7.0	6.7
13	7.1	6.7	6.8	6.6	6.9	6.6	7.0	6.8
14	7.1	6.6	6.9	6.6	6.9	6.7	7.0	6.7
15	7.2	6.7	6.8	6.6	7.0	6.8	7.1	6.8
16	7.2	6.7	6.9	6.6	7.0	6.8	7.1	6.9
17	7.0	6.6	6.8	6.7	7.1	6.7	7.1	6.9
18	6.9	6.7	6.8	6.6	7.0	6.9	7.2	7.0
19	6.8	6.7	6.7	6.6	7.0	6.8	7.2	7.0
20	6.7	6.6	6.7	6.6	7.0	6.8	7.2	7.0
21	6.6	6.5	6.7	6.5	7.0	6.8	7.2	6.9
22	6.7	6.6	6.7	6.6	7.1	6.8	7.3	6.9
23	6.7	6.6	6.7	6.6	---	---	7.7	7.1
24	6.8	6.5	6.9	6.6	7.0	6.8	8.0	7.2
25	6.8	6.6	6.9	6.7	7.1	6.8	8.2	7.3
26	6.8	6.6	6.9	6.6	7.1	6.9	8.2	7.3
27	6.8	6.6	7.2	6.7	7.1	6.9	8.2	7.4
28	6.8	6.6	7.0	6.7	7.2	6.9	7.9	7.4
29	6.8	6.5	7.0	6.7	7.2	7.0	7.9	7.4
30	6.7	6.5	7.0	6.7	7.3	6.9	7.7	7.3
31	---	---	7.0	6.7	7.3	6.9	---	---
YEAR	8.2	6.5	---	---	---	---	---	---

## COOPER RIVER BASIN

02172050 COOPER RIVER NEAR GOOSE CREEK, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	23.1	22.4	22.8	18.5	17.7	18.1	17.2	16.3	16.8	11.9	11.5	11.7
2	23.4	22.7	23.1	18.7	17.7	18.3	17.4	16.4	17.0	11.7	11.5	11.6
3	23.9	23.1	23.5	18.9	17.9	18.6	17.6	16.7	17.2	11.6	11.3	11.5
4	24.4	23.5	23.9	19.2	18.5	18.8	18.0	16.8	17.4	11.3	10.8	11.0
5	24.8	23.9	24.3	18.5	16.8	17.3	17.8	16.4	17.1	11.0	10.2	10.6
6	24.9	24.4	24.7	17.1	16.2	16.6	17.3	16.1	16.6	10.7	10.1	10.3
7	24.6	24.3	24.5	16.4	15.6	16.0	16.2	15.8	16.0	10.5	9.8	10.2
8	24.9	23.7	24.4	15.9	15.3	15.6	15.9	15.5	15.7	10.9	9.9	10.5
9	24.8	24.2	24.6	16.5	15.5	15.9	15.8	15.4	15.6	10.7	10.4	10.6
10	24.7	24.3	24.5	16.4	16.0	16.2	15.7	15.1	15.4	10.8	10.5	10.6
11	24.3	23.7	24.1	16.3	16.0	16.2	15.4	15.3	15.4	11.0	10.6	10.8
12	23.8	23.5	23.7	16.8	16.2	16.5	15.5	13.5	14.9	10.6	9.9	10.2
13	23.9	23.5	23.7	17.0	16.3	16.7	13.8	13.0	13.3	9.9	9.4	9.7
14	24.3	23.7	24.1	16.0	15.5	15.7	12.8	12.1	12.5	9.8	8.9	9.5
15	24.0	23.3	23.8	15.7	15.1	15.5	13.3	12.5	12.9	9.7	9.4	9.6
16	23.3	22.3	23.0	15.3	14.7	14.9	13.8	13.3	13.5	9.5	8.8	9.1
17	22.6	21.8	22.1	14.9	14.2	14.6	13.2	12.4	12.7	9.2	8.6	8.9
18	21.6	20.6	21.1	15.0	14.7	14.9	12.4	11.8	12.0	8.9	8.1	8.5
19	21.3	20.3	20.9	15.4	14.8	15.1	11.7	11.3	11.5	8.4	7.5	7.8
20	21.8	20.8	21.2	15.8	15.1	15.4	11.5	10.9	11.3	7.6	6.3	6.9
21	22.3	21.2	21.7	16.1	15.5	15.8	11.5	10.9	11.2	6.6	5.7	6.3
22	22.1	21.1	21.7	16.4	15.8	16.1	11.3	10.8	11.1	7.2	6.3	6.7
23	21.2	18.8	20.3	16.6	16.0	16.4	11.5	10.9	11.2	7.3	7.0	7.1
24	19.5	16.4	17.8	16.9	16.3	16.7	11.8	11.1	11.4	7.6	7.1	7.3
25	16.6	15.7	16.1	16.7	15.2	16.0	11.9	11.2	11.6	7.5	7.2	7.4
26	16.1	15.5	15.8	15.4	15.2	15.3	12.0	11.4	11.8	7.5	7.1	7.3
27	16.2	15.5	15.8	15.6	15.3	15.4	12.0	11.6	11.8	7.6	7.2	7.3
28	16.6	15.6	16.1	15.6	15.3	15.6	12.5	11.6	12.0	7.7	7.1	7.4
29	17.0	15.9	16.4	16.6	15.7	16.1	12.8	12.3	12.5	8.0	7.2	7.6
30	17.5	16.3	16.9	16.7	16.2	16.5	12.4	12.0	12.3	8.5	7.7	8.1
31	18.0	17.0	17.5	---	---	---	12.0	11.6	11.9	8.6	7.8	8.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	9.1	8.0	8.5	10.6	10.1	10.3	14.1	12.3	13.2	18.7	17.1	18.0
2	9.3	8.8	9.2	11.3	10.0	10.6	14.0	13.1	13.6	18.7	17.4	18.2
3	9.3	8.6	9.0	11.8	10.4	11.0	14.2	13.2	13.7	19.3	18.1	18.7
4	9.1	8.3	8.9	11.9	10.7	11.4	14.0	13.9	14.0	19.6	18.2	19.0
5	8.9	8.2	8.5	11.7	10.7	11.3	---	---	---	20.7	19.0	19.8
6	8.5	8.2	8.4	12.2	11.5	11.8	---	---	---	20.4	19.3	19.9
7	8.3	8.0	8.2	13.1	11.9	12.7	---	---	---	20.8	19.9	20.4
8	8.5	7.5	8.2	14.0	12.2	13.1	---	---	---	20.6	19.9	20.3
9	8.5	7.8	8.2	14.1	13.2	13.8	---	---	---	20.5	20.0	20.2
10	8.5	8.1	8.3	14.1	13.1	13.8	---	---	---	21.1	20.1	20.5
11	8.5	8.1	8.4	13.3	12.0	12.9	---	---	---	21.5	20.2	20.8
12	8.3	7.9	8.1	12.9	12.2	12.6	---	---	---	22.1	20.8	21.4
13	8.0	7.4	7.7	13.3	12.2	12.7	---	---	---	22.3	21.1	21.8
14	7.6	7.3	7.5	13.4	12.4	13.0	---	---	---	22.7	21.6	22.1
15	8.2	7.2	7.7	13.7	12.7	13.3	---	---	---	22.8	21.8	22.4
16	8.2	7.4	7.8	13.6	12.9	13.1	---	---	---	22.7	22.1	22.5
17	8.5	7.9	8.2	13.6	12.5	12.7	---	---	---	22.5	21.7	22.2
18	9.0	7.9	8.4	13.6	12.8	13.2	---	---	---	22.2	21.8	22.0
19	9.2	8.2	8.7	14.8	13.3	13.8	---	---	---	22.0	21.7	21.9
20	9.5	8.5	9.0	15.1	13.8	14.5	16.1	15.4	15.8	22.5	21.8	22.2
21	9.7	8.5	9.1	15.2	14.4	14.7	16.5	15.3	15.8	22.9	22.2	22.6
22	10.0	9.0	9.5	14.3	13.2	13.8	16.8	15.7	16.2	23.3	22.7	23.0
23	10.5	9.7	10.1	14.2	13.1	13.7	16.3	15.8	16.1	23.6	23.1	23.4
24	11.3	10.5	11.0	13.7	12.1	13.0	16.1	15.6	16.0	24.2	23.4	23.7
25	11.5	10.7	11.1	12.5	11.5	12.1	16.6	15.4	15.9	24.1	23.6	23.9
26	11.2	10.5	10.9	12.4	11.6	12.0	17.1	15.6	16.3	23.9	23.4	23.7
27	10.6	10.2	10.5	12.7	12.0	12.4	17.8	16.0	16.9	24.2	23.2	23.7
28	10.4	9.9	10.1	13.5	12.4	12.9	18.1	16.3	17.3	24.5	23.4	24.0
29	---	---	---	13.9	12.4	13.1	18.4	16.7	17.6	24.6	23.5	24.1
30	---	---	---	14.1	12.8	13.4	18.4	16.8	17.7	24.4	23.7	24.1
31	---	---	---	14.0	12.9	13.2	---	---	---	24.9	23.9	24.4

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	25.0	24.3	24.6	27.7	27.1	27.4	29.5	29.0	29.3	30.3	29.1	29.9
2	25.2	24.2	24.7	27.9	27.3	27.6	29.7	29.2	29.5	29.6	28.6	29.2
3	25.2	24.6	24.9	28.1	27.4	27.8	29.6	29.1	29.4	29.1	28.4	28.7
4	25.5	24.8	25.0	28.3	27.8	28.0	29.6	29.1	29.4	29.1	28.4	28.8
5	25.5	24.9	25.2	28.2	27.6	27.9	30.1	29.4	29.8	29.9	28.9	29.3
6	25.7	25.1	25.4	28.4	27.9	28.2	30.1	29.7	29.9	30.3	29.4	29.8
7	25.8	25.5	25.7	28.4	27.9	28.2	29.9	29.5	29.8	30.2	29.5	29.9
8	25.5	25.2	25.4	28.1	27.8	28.0	29.8	29.1	29.6	30.2	29.6	30.0
9	25.1	24.8	25.0	28.5	27.6	28.1	30.1	29.3	29.7	30.0	29.6	29.8
10	24.7	24.1	24.3	29.1	28.1	28.5	30.2	29.4	29.9	30.0	29.2	29.7
11	25.1	23.7	24.4	29.1	28.4	28.8	30.2	29.6	30.0	30.0	29.5	29.8
12	25.5	24.4	24.9	29.0	28.5	28.9	30.0	29.2	29.5	30.0	29.5	29.8
13	25.3	24.5	25.0	29.1	28.4	28.9	29.5	28.9	29.3	29.8	29.2	29.6
14	25.4	24.3	24.9	29.2	28.3	28.8	29.2	28.5	28.9	29.5	28.1	29.0
15	25.9	24.8	25.3	29.2	28.6	28.9	28.8	28.1	28.5	28.5	27.6	28.2
16	26.0	25.2	25.6	29.6	28.8	29.2	28.4	27.9	28.2	27.9	26.9	27.5
17	26.0	25.5	25.8	29.8	29.2	29.5	28.2	27.8	28.0	27.1	26.6	26.9
18	26.1	25.6	25.9	29.7	29.2	29.5	28.8	27.9	28.4	27.4	26.7	27.1
19	26.3	25.7	26.0	29.8	29.5	29.7	29.1	28.7	28.9	27.8	27.0	27.3
20	26.2	25.8	26.0	29.6	29.3	29.5	29.4	28.8	29.1	27.7	27.2	27.5
21	26.0	25.7	25.9	29.6	29.1	29.4	29.9	29.1	29.5	27.7	27.3	27.5
22	25.8	25.6	25.8	29.8	29.3	29.5	30.2	29.6	29.8	27.4	26.5	27.0
23	26.0	25.6	25.8	29.6	29.1	29.4	---	---	---	26.5	25.5	26.1
24	26.7	25.7	26.2	30.3	29.5	29.9	30.0	29.7	30.0	25.9	24.9	25.5
25	27.2	26.4	26.8	30.6	30.0	30.2	30.1	29.6	29.9	25.4	23.9	24.7
26	27.5	27.0	27.2	30.1	29.8	30.1	30.0	29.5	29.8	24.8	20.2	24.1
27	27.7	27.2	27.5	30.2	29.5	29.9	30.1	29.3	29.9	24.3	23.3	23.9
28	27.9	27.2	27.6	29.9	29.4	29.7	30.5	29.7	30.2	23.9	23.1	23.6
29	27.8	27.3	27.5	29.5	28.9	29.3	30.6	30.1	30.4	23.5	22.7	23.1
30	27.7	27.1	27.4	29.2	28.7	29.0	30.7	30.2	30.5	23.1	22.4	22.8
31	---	---	---	29.3	28.7	29.1	30.6	30.0	30.4	---	---	---
YEAR	30.7	5.7	19.5									

## COOPER RIVER BASIN

02172050 COOPER RIVER NEAR GOOSE CREEK, SC--Continued

## DISSOLVED OXYGEN (DO) IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.6	7.0	7.3	10.3	9.6	10.1	9.8	9.2	9.5	10.4	9.7	10.0
2	7.2	6.7	7.0	10.3	9.2	9.8	10.2	9.0	9.7	10.0	9.6	9.9
3	7.0	6.6	6.8	10.0	9.3	9.7	10.0	9.3	9.8	9.9	9.6	9.8
4	7.8	6.3	7.0	9.6	8.9	9.3	9.8	8.8	9.5	10.4	9.6	9.9
5	7.8	6.8	7.3	9.9	8.6	9.2	9.7	8.7	9.4	10.4	9.8	10.2
6	7.5	6.6	7.1	10.3	9.4	9.8	9.4	8.6	9.0	10.8	10.1	10.4
7	7.7	6.6	7.0	10.4	9.8	10.1	10.1	8.9	9.2	11.1	10.3	10.7
8	8.1	6.5	7.5	10.4	9.9	10.2	10.0	9.6	9.8	10.9	9.9	10.5
9	7.9	6.9	7.6	10.4	9.7	10.1	10.0	9.0	9.6	10.7	10.3	10.6
10	7.6	6.8	7.3	10.2	9.6	9.9	10.0	9.4	9.7	10.8	10.0	10.5
11	7.3	6.8	7.1	10.0	9.3	9.7	9.7	9.1	9.5	11.0	10.3	10.6
12	7.5	6.9	7.2	9.4	9.0	9.3	9.7	9.0	9.4	11.6	10.5	11.1
13	8.2	7.0	7.5	9.9	9.0	9.5	10.7	9.6	10.1	11.8	11.2	11.5
14	8.1	7.5	7.7	10.6	9.6	10.0	11.0	10.1	10.5	11.5	11.0	11.3
15	9.0	7.6	8.1	10.7	9.7	10.2	10.7	10.1	10.4	11.5	10.6	11.0
16	9.4	8.2	8.7	10.7	10.0	10.4	10.8	9.9	10.3	11.4	10.9	11.2
17	9.8	8.5	9.0	10.8	10.1	10.5	11.1	10.0	10.5	11.7	10.9	11.3
18	9.8	8.7	9.3	10.5	9.8	10.1	11.4	10.4	10.9	11.9	11.1	11.5
19	9.8	8.8	9.3	9.9	9.1	9.7	11.2	10.5	10.8	11.8	11.2	11.5
20	9.7	8.8	9.4	9.8	9.1	9.6	11.2	10.2	10.7	11.7	11.3	11.5
21	9.4	8.6	9.2	9.5	8.8	9.3	11.2	10.4	10.7	11.5	11.0	11.3
22	9.3	8.3	8.9	9.7	8.7	9.4	11.1	10.5	10.8	11.3	10.9	11.2
23	8.9	8.0	8.6	9.7	9.0	9.5	11.0	10.3	10.6	11.3	10.7	11.1
24	9.4	8.5	8.9	9.5	8.8	9.3	10.8	10.1	10.5	11.4	10.8	11.0
25	9.8	9.1	9.5	10.1	9.1	9.4	10.8	10.0	10.4	11.5	10.9	11.2
26	9.9	9.6	9.8	10.1	9.4	9.7	10.6	10.0	10.4	11.4	11.2	11.4
27	9.9	9.7	9.8	9.8	9.3	9.6	10.9	10.1	10.5	11.6	11.1	11.4
28	10.3	9.8	10.0	9.5	9.2	9.4	10.7	10.3	10.6	12.0	11.3	11.6
29	10.5	9.9	10.2	9.3	9.0	9.2	10.3	10.0	10.2	12.0	11.5	11.8
30	10.6	9.9	10.3	9.8	9.0	9.3	10.0	9.5	9.9	11.5	11.2	11.4
31	10.5	10.0	10.3	---	---	---	10.5	9.2	10.1	11.5	10.9	11.3

DISSOLVED OXYGEN (DO) IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	11.3	10.9	11.1	10.9	10.2	10.7	10.5	8.9	10.0	9.3	8.3	8.9
2	11.2	10.5	10.8	11.3	10.3	10.8	10.4	9.6	9.8	9.2	8.0	8.7
3	10.8	10.2	10.5	11.2	10.4	10.8	10.1	9.6	9.9	8.9	8.0	8.5
4	11.0	10.3	10.6	11.0	10.5	10.8	9.9	9.9	10.0	8.9	7.8	8.4
5	11.1	10.7	10.8	10.8	9.9	10.5	---	---	---	9.8	8.0	8.9
6	10.7	10.3	10.6	10.2	9.6	10.0	---	---	---	9.1	8.1	8.7
7	10.8	10.3	10.6	9.8	9.2	9.7	---	---	---	8.7	8.0	8.5
8	11.2	10.5	10.9	9.7	8.8	9.4	---	---	---	8.5	7.7	8.2
9	11.7	10.8	11.3	10.1	9.0	9.5	---	---	---	8.4	7.8	8.0
10	11.4	11.0	11.3	9.9	8.7	9.5	---	---	---	8.7	7.9	8.3
11	11.4	10.8	11.1	9.7	8.7	9.5	---	---	---	8.5	7.8	8.2
12	11.6	10.9	11.3	10.2	9.3	9.8	---	---	---	8.7	7.6	8.2
13	11.3	11.0	11.1	10.4	9.6	10.1	---	---	---	8.6	7.4	8.1
14	11.0	10.8	11.0	10.4	9.8	10.2	---	---	---	8.1	7.2	7.8
15	11.3	10.8	11.1	10.4	9.8	10.1	---	---	---	7.9	7.0	7.5
16	11.3	10.6	11.1	10.3	9.7	10.1	---	---	---	7.5	6.8	7.2
17	11.2	10.6	11.0	10.0	9.3	9.7	---	---	---	7.9	7.0	7.4
18	11.4	10.6	11.1	9.5	8.9	9.1	---	---	---	7.8	7.0	7.5
19	11.5	10.4	11.1	9.3	8.4	9.1	---	---	---	7.7	7.3	7.5
20	11.5	10.9	11.1	9.7	9.0	9.3	---	---	---	7.5	6.9	7.2
21	11.4	10.4	11.0	9.9	8.6	9.3	---	---	---	7.5	6.9	7.3
22	11.3	10.3	11.0	10.1	9.2	9.6	---	---	---	7.4	6.6	7.2
23	11.0	10.3	10.7	10.3	9.3	9.8	---	---	---	7.0	6.7	6.9
24	10.7	10.0	10.5	9.9	9.4	9.7	---	---	---	7.2	6.5	6.9
25	10.9	10.2	10.5	10.4	9.6	10.1	---	---	---	8.2	6.6	7.2
26	11.1	10.5	10.9	10.5	9.9	10.3	---	---	---	7.5	6.8	7.2
27	11.1	10.6	10.9	10.1	9.5	9.9	9.9	8.8	9.4	7.5	6.5	7.0
28	10.9	10.6	10.8	10.1	9.4	9.7	9.7	8.1	9.2	8.0	6.3	7.2
29	---	---	---	10.7	9.6	10.1	9.6	8.3	9.1	7.4	6.5	7.0
30	---	---	---	10.7	9.4	10.2	9.4	8.4	9.0	7.0	5.8	6.4
31	---	---	---	10.4	9.7	10.0	---	---	---	6.6	5.6	6.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	7.0	5.5	6.2	4.9	4.3	4.7	5.9	5.3	5.7	5.8	5.1	5.5
2	7.2	6.3	6.8	5.0	4.2	4.7	5.9	4.8	5.5	5.6	4.9	5.4
3	7.1	6.1	6.5	4.9	4.2	4.7	5.3	4.4	5.0	5.4	5.0	5.3
4	6.4	5.5	6.0	4.7	4.1	4.5	5.0	4.3	4.8	5.6	5.0	5.3
5	6.0	5.3	5.6	4.5	4.1	4.3	5.5	4.7	5.1	5.9	5.1	5.4
6	5.4	5.2	5.3	4.6	4.3	4.5	5.5	4.8	5.1	6.2	5.2	5.6
7	5.4	5.1	5.3	5.1	4.4	4.7	5.2	4.7	5.0	6.8	5.3	6.0
8	5.6	5.0	5.3	5.8	4.7	5.2	4.9	4.4	4.7	6.9	5.4	6.1
9	6.1	5.3	5.6	6.2	4.9	5.6	5.2	4.3	4.7	6.3	5.6	6.0
10	6.4	5.6	6.0	6.1	5.4	5.8	5.8	4.5	5.1	6.1	5.2	5.8
11	7.3	5.5	6.4	6.2	5.2	5.6	5.9	4.8	5.4	5.8	5.2	5.7
12	7.1	6.1	6.6	6.5	5.1	5.7	5.7	4.7	5.3	5.9	5.0	5.7
13	6.9	5.9	6.4	5.7	4.9	5.4	5.6	4.9	5.4	5.9	5.4	5.7
14	6.9	5.7	6.3	5.5	4.6	5.2	6.1	5.4	5.7	5.7	4.5	5.5
15	7.4	5.8	6.5	5.1	4.5	5.0	6.5	5.6	6.0	5.9	5.2	5.7
16	7.0	6.1	6.5	5.7	4.8	5.2	6.5	6.1	6.3	5.9	5.6	5.8
17	6.8	5.8	6.3	5.7	5.0	5.3	6.4	5.9	6.2	6.6	5.7	6.1
18	6.3	5.7	6.0	5.0	4.7	4.9	5.9	5.5	5.7	6.9	6.1	6.4
19	6.0	5.4	5.8	4.8	4.5	4.8	5.7	5.4	5.7	6.7	6.0	6.3
20	5.7	5.2	5.5	4.7	4.4	4.6	5.9	5.4	5.7	6.2	5.9	6.1
21	5.6	4.8	5.2	4.6	4.0	4.4	5.7	5.0	5.4	6.2	5.5	5.9
22	5.6	5.2	5.4	4.7	4.1	4.5	5.2	4.6	4.9	7.3	5.5	6.4
23	5.7	5.0	5.4	5.0	4.3	4.7	---	---	---	7.7	6.6	7.0
24	6.1	5.2	5.6	6.0	4.5	5.1	6.3	5.2	5.8	8.1	6.8	7.4
25	5.9	5.2	5.6	5.5	5.0	5.2	5.9	5.1	5.6	8.4	7.3	7.7
26	5.7	5.0	5.4	5.3	4.6	5.0	5.9	5.2	5.6	8.2	7.2	7.7
27	5.5	4.9	5.3	6.0	4.6	5.1	6.1	5.1	5.6	8.1	7.3	7.7
28	5.3	4.8	5.1	5.8	4.9	5.4	6.1	5.3	5.7	7.7	7.2	7.5
29	5.1	4.0	4.7	5.8	5.0	5.5	6.0	5.4	5.8	8.2	7.0	7.6
30	4.8	4.2	4.6	5.8	5.0	5.5	5.8	5.1	5.7	7.8	7.2	7.5
31	---	---	---	5.9	5.2	5.6	5.8	4.9	5.6	---	---	---
YEAR	12.0	4.0	8.2									



## COOPER RIVER BASIN

02172051 COOPER RIVER AT COTE BAS NEAR NORTH CHARLESTON, SC

LOCATION.--Lat 33°00'15", long 79°55'23", Berkeley County, Hydrologic Unit 03050201, on right bank of Cooper River 6.6 mi from junction of East and West Branch Cooper River and at mile 23.2.

PERIOD OF RECORD.--October 1980 to current year.

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to current year.

pH: June 1983 to September 1983.

WATER TEMPERATURE: June 1983 to September 1983.

DISSOLVED OXYGEN: June 1983 to September 1983.

REMARKS.--Formally Cooper River near North Charleston, SC.

INSTRUMENTATION.--USGS mini-monitor October 1980 to June 1983. USGS water-quality monitor since June 1983.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 13,900 micromhos Nov. 12, 1981; minimum, less than 100 micromhos several days November 1980, January, February, March, April, May, June, July, September, October, November, December, 1981, January, February, March, April, May, June, 1982, December, January, February, March, April, May, July, August, 1983.

pH: Maximum, 8.3 units Sept. 19, 1983; minimum, 6.2 units Sept. 4-7, 1983.

WATER TEMPERATURE: Maximum, 30.5°C Aug. 31, Sept. 1, 1983; minimum, 19.4 Sept. 22, 1983.

DISSOLVED OXYGEN: Maximum, 8.0 mg/L Sept. 29, 1983; minimum 4.4 mg/L July 20, 22, 1983.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 9,800 micromhos Sept. 23; minimum, less than 50 micromhos June 30.

pH: Maximum, 8.3 units Sept. 19; minimum, 6.2 units Sept. 4-7.

WATER TEMPERATURE: Maximum, 30.5°C Aug. 31, Sept. 1; minimum, 19.4 Sept. 22.

DISSOLVED OXYGEN: Maximum, 8.0 mg/L Sept. 29; minimum 4.4 mg/L July 20, 22.

## SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	4110	130	542	4810	180	748	980	130	260	120	120	120
2	3710	200	756	1580	150	366	740	130	222	130	110	119
3	6240	230	1181	1240	120	296	580	120	220	120	110	118
4	4440	240	861	950	120	257	580	120	208	120	110	116
5	3160	180	549	200	110	124	460	110	171	120	110	115
6	2180	170	480	310	100	141	130	110	114	120	100	114
7	2450	150	562	470	120	185	120	100	110	120	100	113
8	2160	150	426	2050	120	337	110	100	107	120	100	113
9	2110	140	376	220	110	140	110	100	106	120	110	117
10	4820	130	781	120	100	112	120	100	108	120	110	117
11	8500	220	1235	110	100	109	130	100	108	120	110	115
12	6160	230	1142	130	100	109	120	110	114	120	110	115
13	3990	270	812	120	100	108	130	110	118	120	110	116
14	750	150	290	140	100	112	140	110	118	120	110	118
15	710	120	187	120	100	110	140	100	119	120	110	115
16	170	110	125	130	110	113	110	100	105	120	110	116
17	450	110	167	440	110	150	120	90	109	120	110	118
18	590	120	187	700	120	186	120	100	109	140	100	118
19	1030	120	247	1490	120	263	120	100	110	120	100	108
20	1710	120	296	4320	130	545	110	90	108	110	100	107
21	1500	130	243	3950	140	517	120	100	104	110	100	107
22	3410	130	412	3710	140	594	120	100	110	130	100	105
23	9800	150	1126	6410	170	777	120	100	108	110	100	103
24	3790	150	623	540	110	244	110	100	107	110	90	100
25	1150	120	221	200	120	143	120	100	110	110	90	99
26	3410	110	443	130	110	116	120	100	109	110	100	101
27	8660	140	1139	250	110	140	120	100	111	110	100	101
28	8200	240	1271	6260	120	1088	120	110	114	110	100	101
29	8090	260	1275	4340	190	700	120	110	115	110	90	100
30	4430	210	805	1250	130	286	130	110	118	110	100	100
31	4500	200	719	---	---	---	120	110	117	110	90	100

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	% MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	100	90	98	90	80	86	90	80	82	70	60	69
2	110	100	100	100	80	87	90	80	82	80	60	69
3	100	100	100	100	80	90	90	70	81	70	60	66
4	110	90	99	100	80	89	90	80	82	80	60	70
5	110	100	101	90	80	89	90	80	83	80	60	70
6	110	100	102	100	90	90	90	70	81	80	60	70
7	110	100	100	90	80	86	90	80	81	80	60	71
8	110	90	100	90	80	83	90	80	85	80	60	70
9	110	90	98	90	80	84	90	80	81	80	60	72
10	110	100	100	90	80	86	80	70	78	80	70	72
11	100	90	99	90	80	88	90	70	77	80	70	73
12	110	100	100	90	80	89	80	70	78	80	60	71
13	100	100	100	90	80	87	90	70	80	80	70	74
14	100	90	95	100	80	88	80	70	78	80	70	73
15	100	80	90	100	80	87	80	70	78	80	70	73
16	100	80	89	90	80	88	90	70	78	80	70	72
17	90	80	87	90	80	88	90	70	77	80	70	77
18	90	80	87	90	70	78	90	80	80	90	70	79
19	100	80	88	80	60	70	80	70	78	220	70	93
20	90	80	87	80	70	77	90	70	78	130	70	82
21	90	80	86	90	70	78	80	70	79	80	70	78
22	90	80	87	90	70	81	90	70	78	80	70	77
23	90	80	85	90	80	85	80	70	76	80	70	76
24	90	80	85	90	80	87	80	70	76	80	70	75
25	90	80	85	90	80	84	80	70	76	80	70	76
26	90	80	87	90	80	85	80	60	71	80	70	76
27	90	80	84	90	80	83	80	60	67	80	70	76
28	90	80	85	90	70	79	70	60	67	90	70	77
29	---	---	---	90	70	81	70	60	65	90	70	79
30	---	---	---	90	80	81	80	60	67	80	70	77
31	---	---	---	90	80	85	---	---	---	80	70	77
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	80	70	78	500	90	126	---	---	---	---	---	---
2	90	70	79	140	80	95	---	---	---	---	---	---
3	80	70	77	140	80	93	---	---	---	---	---	---
4	80	70	77	130	80	98	---	---	---	---	---	---
5	80	70	78	530	80	123	---	---	---	---	---	---
6	90	70	80	1360	80	207	---	---	---	---	---	---
7	300	70	95	1800	80	251	---	---	---	---	---	---
8	320	80	110	1920	90	349	---	---	---	---	---	---
9	840	80	177	890	100	229	---	---	---	---	---	---
10	510	80	161	470	90	154	---	---	---	---	---	---
11	310	80	119	550	90	158	---	---	---	---	---	---
12	280	80	103	460	80	138	---	---	---	---	---	---
13	200	80	92	360	80	125	---	---	---	---	---	---
14	130	70	85	240	80	100	---	---	---	---	---	---
15	110	80	83	130	80	90	---	---	---	---	---	---
16	100	70	83	140	80	94	---	---	---	---	---	---
17	90	80	82	230	80	97	---	---	---	---	---	---
18	90	70	80	170	80	94	---	---	---	---	---	---
19	90	80	82	270	80	175	---	---	---	---	---	---
20	100	80	85	---	---	---	---	---	---	---	---	---
21	110	80	85	---	---	---	---	---	---	---	---	---
22	140	80	88	---	---	---	---	---	---	---	---	---
23	140	80	87	---	---	---	---	---	---	---	---	---
24	110	70	85	---	---	---	---	---	---	---	---	---
25	100	80	85	---	---	---	---	---	---	---	---	---
26	110	80	84	---	---	---	---	---	---	---	---	---
27	90	80	82	---	---	---	---	---	---	---	---	---
28	100	80	86	---	---	---	---	---	---	---	---	---
29	90	80	85	---	---	---	---	---	---	---	---	---
30	120	50	90	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
YEAR	9800	50	177									









## pH (UNITS), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

[illegible]



## COOPER RIVER BASIN

181

021720605 CHICKEN CREEK NEAR NORTH CHARLESTON, SC

LOCATION.--Lat 33°02'22", long 79°57'16", Berkeley County, Hydrologic Unit 03050201, on Chicken Creek at junction of Chicken Creek and Back River.

PERIOD OF RECORD.--May 1982 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1982 to current year.

WATER TEMPERATURE: May 1982 to current year.

INSTRUMENTATION.--USGS mini-monitor since May 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 259 micromhos Aug. 2, 1982; minimum, 62 micromhos Apr. 12, 13, 1983.

WATER TEMPERATURE: Maximum, 29.8°C July 31, 1982; minimum, 5.6°C Jan. 21, 1983.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 197 micromhos Oct. 1; minimum, 62 micromhos Apr. 12, 13.

WATER TEMPERATURE: Maximum, 31.9°C Aug. 22; minimum, 5.6°C Jan. 21, 1983.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	197	181	188	125	96	109	138	108	120	112	102	109
2	185	167	178	120	95	103	138	110	122	115	102	110
3	129	100	110	127	94	105	138	111	121	118	100	107
4	114	90	100	118	95	105	135	112	121	116	99	105
5	122	93	107	134	100	113	134	111	120	132	90	102
6	132	104	119	137	99	120	128	110	118	119	98	107
7	153	108	129	130	99	115	131	112	122	122	102	113
8	155	132	143	125	100	112	120	107	112	136	112	121
9	173	140	157	117	92	105	117	107	112	128	102	111
10	189	160	177	105	92	99	137	95	108	120	100	109
11	180	160	170	105	93	97	109	95	101	121	102	112
12	195	127	166	108	96	101	105	94	99	142	118	132
13	131	113	122	129	98	114	105	94	100	137	100	117
14	136	113	121	118	94	101	105	95	99	120	100	109
15	139	109	118	109	95	100	112	97	101	127	105	115
16	123	111	117	111	96	103	116	100	104	135	109	119
17	130	116	122	115	98	107	118	97	109	120	112	115
18	138	120	128	119	102	111	116	97	107	129	113	119
19	141	122	133	125	100	114	116	98	106	133	117	126
20	148	133	140	123	101	113	120	100	112	138	116	128
21	155	138	147	128	102	116	123	100	116	121	105	109
22	161	141	151	133	102	119	119	98	108	112	102	106
23	153	136	143	132	102	119	118	100	109	123	114	118
24	143	135	139	139	113	127	128	111	118	130	120	125
25	152	140	145	137	98	114	132	115	123	125	109	115
26	158	140	151	120	99	107	134	102	121	113	100	106
27	156	95	123	141	112	126	128	102	113	112	100	103
28	115	88	104	143	107	122	122	102	111	103	100	101
29	113	96	104	140	108	125	123	102	111	103	94	99
30	116	97	107	142	108	124	121	102	110	99	89	95
31	121	99	112	---	---	---	115	102	107	97	88	93



## COOPER RIVER BASIN

021720605 CHICKEN CREEK NEAR NORTH CHARLESTON, SC--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	100	89	94	95	90	93	82	70	75	102	76	89
2	103	91	97	103	96	99	82	72	75	102	78	92
3	121	96	109	117	100	104	92	80	85	104	78	93
4	132	120	125	118	82	104	94	88	90	110	98	104
5	135	113	122	130	89	115	98	70	85	110	82	98
6	115	107	109	132	80	114	96	70	82	106	84	96
7	111	107	109	132	112	121	94	72	83	112	92	102
8	116	109	111	134	105	118	92	70	80	112	90	102
9	116	102	109	139	95	113	88	66	77	112	80	102
10	109	100	104	158	82	116	90	68	81	100	80	88
11	103	100	101	116	81	103	90	68	83	102	82	92
12	109	100	106	121	80	102	84	62	70	112	84	98
13	111	100	107	114	78	92	74	62	67	108	80	94
14	101	93	96	110	68	87	76	66	69	110	82	97
15	100	88	96	120	79	91	80	66	71	116	82	102
16	98	88	93	96	77	84	82	66	76	114	88	100
17	90	82	88	79	70	75	80	68	74	110	92	100
18	98	88	92	80	71	72	78	68	73	108	72	87
19	105	98	101	102	77	89	82	70	75	96	74	82
20	110	100	104	105	82	97	82	68	75	98	80	89
21	112	100	105	105	74	86	84	70	79	100	80	89
22	109	99	103	109	90	101	84	68	76	100	80	89
23	109	100	104	105	75	84	82	68	73	98	78	87
24	116	100	108	89	72	76	80	68	74	100	78	87
25	105	88	100	85	70	75	90	72	83	92	78	83
26	102	95	98	81	70	74	86	70	79	93	78	83
27	99	94	96	76	70	73	82	70	77	99	78	87
28	96	90	94	79	69	74	92	72	81	94	80	85
29	---	---	---	80	72	76	98	72	85	98	78	84
30	---	---	---	81	71	75	98	74	86	103	80	91
31	---	---	---	78	70	73	---	---	---	105	80	97
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	107	80	96	102	93	96	134	90	109	114	107	111
2	107	82	96	105	95	98	114	100	107	113	109	111
3	111	88	101	109	95	100	118	102	111	115	110	112
4	112	90	103	115	96	103	114	89	108	116	101	112
5	118	94	109	114	100	104	113	99	109	115	101	111
6	119	92	107	105	100	102	110	102	105	117	108	112
7	119	94	108	103	95	98	111	100	104	112	102	107
8	117	93	104	100	93	95	110	98	105	108	100	103
9	102	80	91	96	91	92	107	94	101	108	100	103
10	92	81	89	98	90	93	105	100	102	111	102	107
11	87	81	82	98	93	95	109	100	103	115	109	112
12	87	80	83	97	94	95	109	96	102	158	108	116
13	90	80	84	99	95	97	112	100	108	123	112	116
14	92	80	86	99	94	96	113	94	106	123	112	117
15	93	82	88	103	96	98	110	94	105	123	111	118
16	93	88	90	105	89	100	111	92	104	113	102	109
17	94	88	91	107	98	101	110	98	102	109	102	105
18	97	89	93	112	100	104	108	100	102	114	100	107
19	99	88	94	119	100	106	110	100	102	116	109	110
20	102	91	97	116	100	105	109	100	103	116	102	108
21	101	93	98	108	100	103	109	100	103	115	105	109
22	101	90	94	---	---	---	111	102	105	118	110	112
23	93	82	87	---	---	---	112	100	105	117	108	112
24	93	87	88	---	---	---	115	100	108	110	107	108
25	96	91	93	---	---	---	112	102	109	111	108	109
26	97	93	94	---	---	---	112	105	109	111	107	109
27	98	93	95	---	---	---	112	105	109	112	107	109
28	101	94	96	100	94	96	115	108	111	110	102	108
29	105	95	99	102	96	99	118	111	115	109	102	106
30	107	95	99	105	100	103	121	111	117	110	108	108
31	---	---	---	110	100	105	117	107	113	---	---	---
YEAR	197	62	104									

## COOPER RIVER BASIN

021720605 CHICKEN CREEK NEAR NORTH CHARLESTON, SC--Continued

WATER TEMPERATURE (°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	23.7	22.4	23.3	18.1	17.0	17.7	17.2	16.1	16.7	11.7	11.5	11.6
2	24.0	22.7	23.5	18.2	17.4	17.9	17.6	16.6	17.1	11.5	11.1	11.4
3	24.4	23.3	23.9	18.7	17.4	18.2	17.8	16.8	17.4	11.3	10.7	11.1
4	24.4	23.0	23.9	19.0	18.1	18.7	18.1	16.9	17.5	10.9	10.0	10.4
5	24.4	23.7	24.0	18.6	17.1	17.8	18.4	16.6	17.4	10.1	9.7	9.9
6	24.5	23.6	24.1	17.2	16.0	16.6	17.8	16.4	17.2	10.3	9.3	9.8
7	24.8	23.8	24.3	16.1	15.4	15.7	17.6	16.1	17.0	10.3	9.3	9.9
8	24.7	24.3	24.5	15.9	14.9	15.4	16.5	15.6	15.9	10.5	9.7	10.1
9	24.7	24.3	24.5	16.4	15.1	15.6	15.9	15.4	15.7	10.4	10.0	10.3
10	24.9	24.1	24.5	16.1	15.3	15.8	15.5	15.0	15.2	10.6	10.2	10.5
11	24.2	23.7	24.0	16.2	15.5	15.9	15.4	14.7	15.1	11.0	10.4	10.7
12	24.0	23.5	23.7	16.7	15.8	16.3	15.4	13.3	14.5	10.5	10.0	10.2
13	24.1	23.5	23.9	16.8	15.8	16.4	13.1	11.4	12.3	9.9	9.3	9.6
14	24.4	23.8	24.1	15.8	15.1	15.5	12.4	9.4	11.4	9.5	8.0	9.0
15	23.9	23.0	23.5	15.6	14.5	15.2	12.9	11.1	12.2	9.4	8.8	9.1
16	23.1	22.0	22.5	14.9	13.6	14.2	13.6	12.9	13.2	9.0	8.1	8.7
17	22.4	20.9	21.5	14.5	13.5	14.1	13.0	11.8	12.3	8.8	7.7	8.3
18	21.0	19.9	20.4	14.9	14.0	14.4	12.0	10.7	11.4	8.1	7.0	7.6
19	21.0	19.5	20.4	15.2	14.0	14.6	11.4	9.7	10.7	7.1	6.0	6.6
20	21.5	20.0	20.7	15.6	14.4	15.1	11.1	9.8	10.4	6.7	5.7	6.1
21	21.9	20.6	21.3	15.8	15.0	15.4	11.1	9.5	10.2	6.3	5.6	6.1
22	21.5	20.3	21.2	16.1	15.1	15.7	11.1	9.6	10.4	6.6	6.0	6.4
23	20.5	18.2	19.5	16.2	15.5	15.9	10.8	9.9	10.4	7.4	6.5	6.9
24	18.1	15.5	17.0	16.6	15.9	16.3	11.2	10.4	10.8	7.9	6.8	7.4
25	15.4	14.6	15.0	16.3	15.4	15.8	12.0	11.0	11.5	8.1	6.9	7.6
26	15.9	14.3	14.9	15.5	15.0	15.3	12.4	11.4	11.9	8.0	6.8	7.6
27	16.5	14.6	15.5	15.7	15.3	15.6	12.6	11.5	12.1	7.9	7.0	7.5
28	16.7	15.4	16.0	15.9	15.5	15.7	13.0	11.6	12.4	7.8	7.0	7.4
29	16.8	15.6	16.3	16.7	15.8	16.3	13.5	12.1	12.9	8.2	7.1	7.7
30	17.1	15.9	16.7	16.9	16.0	16.5	13.4	12.0	12.6	8.9	8.0	8.4
31	17.7	16.4	17.1	---	---	---	12.1	11.7	11.9	9.6	8.5	9.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.5	9.1	9.7	10.9	10.1	10.6	14.9	12.4	13.9	21.6	17.0	19.8
2	11.7	9.1	10.8	11.8	10.6	11.2	15.1	13.5	14.6	22.1	17.6	20.5
3	11.8	10.1	11.2	12.5	11.2	11.9	15.6	14.3	15.1	22.4	18.1	20.9
4	10.2	9.7	10.0	13.5	11.4	12.7	16.1	14.8	15.4	22.5	21.0	22.0
5	9.7	8.4	9.0	14.2	12.0	13.6	16.7	14.3	16.0	22.1	19.1	21.0
6	8.9	8.0	8.5	15.3	11.8	14.1	17.7	14.1	16.5	22.0	19.3	21.1
7	8.6	8.0	8.4	15.8	15.0	15.5	18.7	15.1	17.4	22.6	20.0	21.4
8	8.7	7.9	8.3	16.4	15.0	15.9	18.7	14.9	17.1	22.6	19.7	21.4
9	8.8	7.7	8.2	17.3	16.1	16.7	18.5	15.1	17.1	22.4	20.0	21.4
10	8.4	8.0	8.3	16.3	14.8	15.8	19.1	16.6	18.2	22.2	20.0	20.8
11	8.6	8.1	8.5	14.9	13.3	14.2	19.0	16.7	18.4	22.8	20.3	21.3
12	8.6	7.5	8.2	13.9	12.5	13.2	18.0	16.0	17.1	23.8	20.8	22.1
13	8.2	7.1	7.7	13.3	12.1	12.8	18.0	16.5	17.0	24.1	21.0	22.3
14	7.5	7.0	7.3	13.8	12.3	13.1	18.1	16.6	17.2	24.5	21.4	22.9
15	8.1	6.9	7.6	14.5	13.1	13.6	18.5	16.6	17.5	24.7	21.7	23.4
16	8.8	7.5	8.2	14.3	13.1	13.8	18.2	16.7	17.7	24.4	21.9	23.2
17	9.6	8.6	9.2	13.2	12.4	12.9	17.9	16.4	17.3	23.6	21.8	22.6
18	10.2	9.0	9.6	14.1	13.1	13.6	17.4	16.4	16.8	22.9	21.8	22.2
19	10.6	9.1	10.0	15.5	14.0	14.7	16.4	15.5	15.8	22.4	21.5	22.0
20	10.9	9.1	10.3	16.2	15.0	15.6	15.8	14.9	15.3	22.8	21.6	22.2
21	11.1	8.6	10.1	16.6	14.7	15.9	16.0	14.6	15.3	23.5	21.9	22.6
22	12.0	9.0	10.8	15.4	14.7	15.0	16.7	14.8	15.7	24.3	22.1	23.1
23	12.9	10.1	12.1	14.7	13.1	14.2	16.4	15.6	16.0	24.9	22.4	23.5
24	12.9	10.7	12.0	14.2	11.1	12.8	16.3	15.8	16.1	25.0	22.4	24.0
25	12.7	10.8	12.0	12.1	10.1	11.5	16.8	15.7	16.2	25.1	23.4	24.0
26	11.7	10.5	11.2	12.3	10.8	11.7	16.9	15.9	16.3	25.1	23.5	24.2
27	10.7	10.0	10.5	12.9	12.0	12.4	18.4	16.1	16.9	25.3	23.4	24.3
28	10.4	9.3	10.1	13.9	12.5	13.3	19.5	16.7	18.0	25.5	23.6	24.3
29	---	---	---	14.1	12.3	13.5	20.2	17.0	18.8	25.6	23.6	24.5
30	---	---	---	14.8	13.0	13.9	20.8	17.0	19.2	25.8	23.6	24.9
31	---	---	---	14.6	13.6	13.9	---	---	---	25.9	24.0	25.3



## 02172061 BACK RIVER AT COTE BAS NEAR NORTH CHARLESTON, SC

LOCATION.--Lat 33°00'51", long 79°56'15", Berkeley County, Hydrologic Unit 03050201, on east bank of Back River at SCE&G intake.

PERIOD OF RECORD.--May 1982 to current year.

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1982 to current year.

WATER TEMPERATURE (BOTTOM): August 1982 to current year.

WATER TEMPERATURE (TOP): November 1982 to September 1983.

INSTRUMENTATION.--USGS mini-monitor since May 1982.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 361 micromhos July 19, 1982; minimum, 71 micromhos Mar. 27, 28, 1983.

WATER TEMPERATURE (BOTTOM): Maximum, 30.9°C July 21, 1983; minimum, 5.0°C Jan. 21, 1983.

WATER TEMPERATURE (TOP): Maximum, 33.9°C Aug. 4, 1983; minimum, 4.9°C Jan. 21, 1983.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 180 micromhos Dec. 1; minimum, 71 micromhos Mar. 27, 28.

WATER TEMPERATURE (BOTTOM): Maximum, 30.9°C July 21; minimum, 5.0°C Jan. 21.

WATER TEMPERATURE (TOP): Maximum, 33.9°C Aug. 4; minimum, 4.9°C Jan. 21.

## SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	134	124	129	150	132	142	180	153	170	137	115	125
2	138	121	130	157	127	144	179	133	162	133	113	123
3	133	114	124	150	124	137	160	130	148	133	113	121
4	130	118	124	141	113	126	163	126	144	129	117	122
5	129	116	123	146	124	136	166	121	134	133	118	123
6	134	120	126	151	135	142	148	116	128	141	126	134
7	137	122	128	146	133	141	153	124	137	147	131	140
8	137	121	127	144	132	140	148	111	130	150	143	147
9	146	127	135	145	119	136	135	106	121	151	134	143
10	145	123	133	137	108	129	135	108	120	147	130	141
11	138	118	131	129	109	118	121	104	112	147	137	143
12	137	118	131	141	107	121	133	105	117	163	142	151
13	136	118	126	154	110	136	132	109	121	164	129	145
14	135	122	131	140	106	125	127	105	114	143	116	132
15	134	113	127	133	107	118	124	108	116	150	118	138
16	128	113	122	125	111	119	147	111	130	150	130	141
17	131	118	124	131	117	124	148	133	142	150	128	138
18	135	121	126	136	125	129	152	126	139	154	138	143
19	136	124	130	136	128	132	145	115	132	155	140	148
20	135	122	129	142	133	136	149	133	139	159	145	152
21	148	121	139	152	136	142	148	136	142	158	121	139
22	145	130	137	161	143	152	146	117	134	145	128	139
23	142	133	137	162	149	156	136	126	131	152	137	144
24	138	129	132	160	149	155	149	128	137	158	149	152
25	137	110	131	160	139	154	153	138	145	163	144	152
26	145	133	138	160	142	151	157	132	141	159	131	146
27	141	128	135	171	157	165	150	117	133	162	104	130
28	139	128	133	172	153	164	143	114	127	144	97	117
29	138	125	130	175	157	166	137	118	126	129	96	109
30	143	120	132	178	162	170	135	116	124	137	95	113
31	148	135	141	---	---	---	132	110	123	141	112	124



## COOPER RIVER BASIN

02172061 BACK RIVER AT COTE BAS NEAR NORTH CHARLESTON. SC--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	135	110	123	127	99	112	94	86	90	100	92	96
2	143	109	121	129	115	124	94	88	91	102	94	97
3	158	129	142	134	120	127	94	92	93	104	96	97
4	161	154	158	133	123	128	96	92	94	104	96	99
5	162	141	150	135	129	132	98	94	95	108	98	100
6	152	119	138	137	132	133	96	94	95	106	98	101
7	156	138	149	135	131	132	98	94	96	112	100	104
8	155	146	150	134	124	129	100	94	95	106	98	102
9	155	131	145	126	117	122	98	92	94	108	100	102
10	151	119	133	122	117	119	96	90	94	104	96	101
11	146	117	129	124	119	121	98	92	94	106	96	100
12	156	132	142	123	114	119	96	92	93	104	98	100
13	145	114	134	120	113	116	92	82	87	102	94	99
14	138	105	127	119	103	112	88	82	85	106	94	99
15	138	121	132	114	102	109	88	82	84	104	96	100
16	133	118	127	112	104	108	92	82	86	106	98	101
17	142	122	128	106	91	97	92	86	89	108	100	102
18	143	129	135	108	93	104	90	84	87	110	98	102
19	145	134	139	113	107	109	94	86	89	108	98	103
20	147	136	139	111	101	106	94	86	89	108	100	103
21	146	139	141	107	100	104	94	90	91	106	96	101
22	146	137	142	104	100	101	96	88	92	104	94	97
23	144	137	141	104	99	100	94	80	89	102	92	98
24	146	127	139	104	85	95	92	80	87	110	98	102
25	140	116	133	98	89	93	94	88	91	102	96	98
26	138	111	127	94	81	89	96	90	92	107	93	97
27	130	110	119	88	71	78	94	88	90	110	89	99
28	119	96	108	91	71	84	98	88	92	99	90	94
29	---	---	---	94	83	89	98	90	93	101	90	95
30	---	---	---	92	80	86	98	94	95	100	90	96
31	---	---	---	92	86	88	---	---	---	104	94	98
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	106	98	102	130	113	118	132	125	127	134	125	129
2	108	102	104	119	113	115	132	126	128	133	121	129
3	108	101	104	129	115	118	135	125	129	133	121	128
4	107	104	105	125	116	119	143	126	135	135	126	131
5	108	106	107	122	117	119	137	119	128	134	129	131
6	109	105	107	136	116	122	129	117	123	137	124	132
7	109	104	107	124	112	118	130	116	123	134	124	126
8	112	105	107	117	104	112	125	110	119	134	120	125
9	109	94	105	121	102	114	121	109	113	133	111	120
10	105	91	97	120	107	114	118	100	108	133	119	125
11	108	84	94	118	105	111	121	110	114	134	124	128
12	107	87	96	118	102	111	119	107	114	137	127	131
13	107	90	97	116	105	111	135	114	121	141	131	134
14	111	95	102	116	106	110	127	118	124	139	131	134
15	105	96	99	116	103	112	129	123	125	135	127	131
16	104	98	100	128	110	117	128	120	125	134	124	129
17	109	98	102	128	110	117	131	118	125	135	122	129
18	112	100	104	124	116	119	132	111	123	141	124	132
19	112	102	105	134	118	125	133	114	124	142	128	137
20	116	103	108	128	120	122	131	117	122	142	125	135
21	117	105	108	126	121	123	133	114	127	142	123	132
22	122	102	109	127	120	124	135	119	126	143	127	135
23	115	103	107	127	120	124	130	113	121	165	129	134
24	113	106	108	128	117	121	141	122	126	136	127	130
25	113	105	108	132	119	123	145	124	136	136	126	129
26	113	105	108	133	115	123	139	122	130	132	125	129
27	116	106	110	131	115	122	132	123	128	131	121	127
28	117	108	114	127	112	120	137	125	129	130	115	124
29	130	113	117	129	118	121	146	127	131	123	118	120
30	129	113	118	128	118	122	143	129	132	---	---	---
31	---	---	---	129	123	125	135	127	130	---	---	---
YEAR	180	71	121									

02172061 BACK RIVER AT COTE BAS NEAR NORTH CHARLESTON, SC--Continued

WATER TEMPERATURE (°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	17.6	16.3	16.9	12.4	11.9	12.2
2	---	---	---	---	---	---	18.7	16.9	17.8	12.0	11.6	11.8
3	---	---	---	---	---	---	19.0	17.7	18.2	11.8	11.2	11.5
4	---	---	---	---	---	---	18.9	18.2	18.5	11.3	10.8	11.0
5	---	---	---	---	---	---	18.7	18.3	18.6	10.8	10.2	10.5
6	---	---	---	---	---	---	18.4	18.0	18.3	12.3	9.9	11.0
7	---	---	---	---	---	---	18.1	17.3	17.7	10.8	9.9	10.4
8	---	---	---	---	---	---	17.3	16.0	16.8	11.9	10.3	10.9
9	---	---	---	---	---	---	16.5	15.5	16.1	10.8	10.4	10.6
10	---	---	---	---	---	---	16.0	14.9	15.4	10.7	10.4	10.6
11	---	---	---	---	---	---	15.3	14.9	15.1	10.9	10.5	10.7
12	---	---	---	---	---	---	15.5	13.4	14.6	10.6	9.9	10.4
13	---	---	---	---	---	---	13.3	11.5	12.5	10.4	9.2	9.8
14	---	---	---	---	---	---	11.6	11.2	11.4	9.9	9.0	9.4
15	---	---	---	---	---	---	12.2	11.3	11.8	9.6	9.2	9.4
16	---	---	---	---	---	---	13.5	12.0	13.1	9.2	8.6	9.0
17	---	---	---	---	---	---	13.3	12.2	12.7	9.2	8.3	8.6
18	---	---	---	14.4	14.1	14.2	12.1	11.4	11.8	8.3	7.7	8.1
19	---	---	---	15.1	14.1	14.4	11.7	10.6	11.1	7.6	7.0	7.3
20	---	---	---	14.9	14.4	14.7	11.1	10.6	10.8	6.8	5.8	6.3
21	---	---	---	16.3	14.7	15.4	11.2	10.4	10.7	5.9	4.9	5.4
22	---	---	---	16.8	14.9	15.7	11.1	9.9	10.6	6.2	5.5	5.9
23	---	---	---	18.2	15.1	16.4	12.9	9.9	11.2	6.6	6.1	6.4
24	---	---	---	17.0	15.8	16.5	12.0	10.9	11.5	7.4	6.3	6.9
25	---	---	---	16.1	15.1	15.6	12.3	11.2	11.7	9.2	6.8	7.8
26	---	---	---	15.7	14.9	15.3	13.4	11.8	12.5	8.4	7.2	7.8
27	---	---	---	15.6	15.2	15.4	13.8	12.4	13.0	7.9	7.6	7.8
28	---	---	---	16.3	15.2	15.6	13.9	12.9	13.2	8.1	7.6	7.9
29	---	---	---	16.2	15.5	15.9	13.9	13.2	13.6	9.7	7.6	8.2
30	---	---	---	17.8	15.9	16.7	13.8	13.0	13.4	10.2	8.2	9.1
31	---	---	---	---	---	---	13.0	12.5	12.7	13.2	8.8	10.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.4	9.6	10.5	11.0	10.6	10.9	17.5	13.5	14.5	21.1	19.9	20.5
2	11.3	10.3	10.7	12.0	10.7	11.3	14.7	14.0	14.3	21.8	20.7	21.2
3	10.7	9.6	10.3	16.9	11.2	12.5	14.9	14.3	14.6	21.9	21.1	21.5
4	9.8	9.0	9.5	13.0	12.1	12.6	17.6	14.5	15.6	22.4	21.4	21.7
5	9.5	9.0	9.3	13.6	12.8	13.2	16.1	15.2	15.8	25.5	20.9	22.3
6	9.2	8.8	9.0	14.3	13.3	13.9	17.3	15.8	16.6	23.3	21.4	22.1
7	9.0	8.6	8.8	14.9	14.3	14.5	18.1	17.0	17.7	25.7	21.4	22.6
8	9.4	8.2	8.7	16.9	14.4	15.4	19.1	17.7	18.4	22.7	22.0	22.4
9	10.5	8.2	8.9	16.9	15.2	16.1	18.6	18.3	18.4	22.8	21.9	22.3
10	8.9	8.5	8.7	16.6	15.5	15.9	19.1	18.1	18.6	23.3	21.5	22.2
11	8.8	8.6	8.7	15.3	13.8	14.6	19.0	18.1	18.6	25.4	21.5	22.9
12	8.6	8.2	8.5	13.8	13.2	13.5	20.5	17.7	18.6	25.0	22.2	23.2
13	8.3	7.3	8.0	15.9	13.1	14.0	19.6	17.8	18.5	25.1	22.6	23.4
14	7.7	7.3	7.5	14.4	13.5	13.9	19.1	18.2	18.6	24.4	23.1	23.6
15	9.7	7.4	8.3	15.3	13.6	14.3	18.7	18.3	18.5	24.1	23.2	23.6
16	9.7	7.7	8.8	14.6	14.2	14.5	18.4	17.7	18.1	24.1	23.4	23.7
17	9.2	8.5	8.9	14.2	13.9	14.1	18.8	17.5	18.1	24.5	22.9	23.6
18	10.6	8.7	9.4	14.5	13.9	14.2	18.0	17.0	17.4	23.0	22.3	22.6
19	11.7	9.0	10.0	15.4	14.2	14.8	17.0	16.1	16.6	22.6	22.2	22.3
20	10.7	9.5	10.2	16.9	14.8	15.5	17.3	15.4	16.4	22.9	22.2	22.5
21	11.6	9.7	10.5	16.2	15.4	15.8	17.7	15.9	16.6	23.6	22.5	23.1
22	11.4	10.5	11.0	15.3	14.7	15.1	17.3	16.0	16.7	24.1	23.0	23.6
23	12.5	11.2	11.8	17.8	14.2	15.1	16.8	16.4	16.6	24.8	23.6	24.3
24	13.4	12.0	12.7	14.3	12.5	13.6	16.6	16.4	16.5	25.9	24.0	24.9
25	13.1	12.4	12.7	12.6	11.7	12.2	16.9	16.2	16.5	25.9	24.0	24.8
26	12.4	11.5	11.9	13.1	11.7	12.3	18.2	16.1	17.0	26.2	24.5	25.2
27	11.5	11.0	11.2	12.7	12.2	12.4	20.0	16.7	17.8	26.5	24.2	25.2
28	10.9	10.6	10.8	13.7	12.5	13.2	18.8	17.7	18.3	26.5	24.3	25.3
29	---	---	---	14.8	13.2	13.8	19.4	18.3	18.9	25.7	24.7	25.2
30	---	---	---	15.5	13.4	14.2	20.2	19.2	19.7	25.7	24.8	25.2
31	---	---	---	14.6	13.7	14.1	---	---	---	28.0	24.8	26.1

## COOPER RIVER BASIN

02172061 BACK RIVER AT COTE BAS NEAR NORTH CHARLESTON, SC--Continued

WATER TEMPERATURE (°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	(TOP)											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.8	25.0	26.1	30.3	27.6	28.5	30.4	29.1	29.8	30.3	28.9	29.7
2	26.9	24.4	25.5	30.2	28.1	28.9	30.2	29.6	30.0	28.9	28.2	28.6
3	27.1	25.0	26.0	31.7	28.5	29.5	31.3	29.5	30.1	29.8	28.0	28.7
4	26.6	25.6	26.1	31.0	29.1	29.7	33.9	29.0	30.4	30.0	28.2	29.0
5	27.5	25.8	26.5	31.4	28.8	29.8	33.4	29.7	30.7	31.7	28.7	29.6
6	27.7	25.9	26.7	32.3	29.0	30.2	31.5	29.9	30.4	31.3	29.1	30.1
7	27.4	26.4	26.7	29.0	27.9	28.5	30.4	29.4	30.0	31.2	29.3	30.1
8	26.5	25.3	26.2	28.1	27.3	27.7	31.5	29.2	30.1	32.1	29.7	30.6
9	25.7	24.6	25.2	29.8	27.1	28.1	32.5	29.6	30.5	29.7	29.2	29.5
10	24.5	23.8	24.2	30.4	27.3	28.7	32.0	29.8	30.4	31.3	28.9	29.8
11	24.9	23.5	24.2	29.9	28.1	28.9	31.0	29.6	30.1	31.5	29.0	29.9
12	25.5	23.7	24.7	30.7	28.5	29.3	30.5	29.5	29.8	30.3	29.1	29.7
13	26.1	24.0	25.0	30.6	28.9	29.5	30.8	28.9	29.7	30.1	29.0	29.5
14	27.4	24.1	25.6	31.0	29.3	29.9	29.0	28.1	28.6	29.0	27.6	28.6
15	28.2	25.0	26.6	31.7	29.5	30.3	28.9	27.8	28.3	27.4	26.6	27.0
16	28.2	25.8	27.0	32.7	29.7	30.9	28.0	27.5	27.7	26.6	25.8	26.2
17	28.5	25.9	27.1	33.7	29.9	30.9	28.5	27.2	27.8	28.3	25.5	26.6
18	28.1	26.6	27.3	32.6	29.5	30.7	33.2	27.6	29.1	29.0	26.0	27.0
19	28.5	26.5	27.4	31.3	30.0	30.6	32.2	28.3	29.7	29.2	26.4	27.3
20	29.0	27.0	27.8	31.5	29.5	30.2	32.5	29.1	30.3	27.4	26.5	26.9
21	28.7	27.2	27.6	31.4	29.5	30.5	33.9	29.7	30.9	27.3	26.6	26.9
22	27.6	26.6	27.2	31.8	30.1	30.8	32.3	30.0	31.0	26.9	25.4	26.1
23	27.3	26.3	26.8	33.8	29.5	30.9	31.9	30.5	30.9	25.6	24.5	25.1
24	28.9	26.1	27.2	32.3	30.1	31.1	32.3	30.0	30.9	24.4	23.8	24.2
25	30.1	26.4	28.1	33.7	29.8	31.2	30.9	29.8	30.3	23.6	23.2	23.4
26	31.2	27.4	28.6	30.5	29.4	29.9	30.2	29.3	29.7	23.1	22.7	22.9
27	29.3	27.6	28.3	30.4	29.0	29.7	31.1	29.1	30.0	22.8	22.1	22.4
28	28.7	27.8	28.3	29.7	28.7	29.3	31.0	29.5	30.2	22.6	21.9	22.3
29	30.1	28.0	28.8	29.9	28.6	29.2	31.1	29.7	30.2	22.1	21.7	21.9
30	30.3	28.1	28.7	29.4	28.4	28.9	31.3	29.5	30.2	---	---	---
31	---	---	---	30.0	28.6	29.4	31.6	29.5	30.4	---	---	---
YEAR	33.9	4.9	20.0									

WATER TEMPERATURE (°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	(BOTTOM)											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.0	23.4	23.7	17.1	16.4	16.8	17.3	16.2	16.8	12.4	11.9	12.2
2	23.9	23.4	23.6	17.6	16.7	17.3	17.9	16.9	17.2	12.0	11.6	11.8
3	24.4	23.5	23.9	19.5	17.2	18.3	18.0	16.8	17.4	11.8	11.3	11.5
4	23.8	23.5	23.6	19.9	19.4	19.6	18.9	17.0	18.2	11.3	10.8	11.1
5	24.5	23.5	23.9	19.4	17.6	18.4	18.9	18.1	18.6	10.8	10.2	10.5
6	24.8	24.0	24.2	17.5	16.7	17.1	18.6	18.3	18.5	10.4	10.0	10.3
7	24.7	23.9	24.4	16.7	15.9	16.2	18.3	17.6	18.0	10.7	10.0	10.4
8	25.1	24.4	24.8	15.9	15.4	15.7	17.5	16.2	17.0	10.8	10.4	10.5
9	25.5	24.1	24.7	15.7	15.3	15.5	16.6	15.7	16.3	10.7	10.4	10.6
10	25.4	24.6	25.0	15.8	15.1	15.5	16.3	15.1	15.6	10.6	10.4	10.5
11	24.6	24.1	24.3	15.7	15.2	15.4	15.4	15.0	15.2	10.8	10.5	10.7
12	24.1	23.8	23.9	16.3	15.4	15.8	15.7	13.7	14.8	10.6	10.0	10.4
13	24.2	23.7	24.0	16.4	15.9	16.2	13.6	11.8	12.8	9.9	9.3	9.6
14	24.4	24.0	24.2	15.8	15.0	15.4	11.8	11.4	11.6	9.5	9.1	9.3
15	24.1	23.3	23.7	15.3	14.9	15.1	12.3	11.5	11.8	9.6	9.2	9.5
16	23.2	22.6	23.1	14.8	14.1	14.4	13.7	12.2	13.1	9.3	8.7	9.0
17	22.6	21.6	22.1	14.3	13.8	14.1	13.5	12.5	12.9	8.7	8.2	8.5
18	21.4	20.7	21.0	14.5	14.4	14.5	12.3	11.6	12.0	8.4	7.9	8.2
19	21.0	20.2	20.6	14.8	14.3	14.5	11.5	10.8	11.2	7.8	7.1	7.3
20	21.7	20.3	20.7	15.0	14.6	14.8	11.1	10.9	11.0	7.0	5.9	6.4
21	21.6	21.0	21.4	15.1	14.9	15.0	11.0	10.6	10.8	6.0	5.0	5.5
22	21.8	20.7	21.3	15.5	15.0	15.2	10.8	10.0	10.4	6.2	5.5	6.0
23	20.5	18.3	19.4	15.6	15.2	15.4	10.4	10.1	10.3	6.6	6.1	6.4
24	18.2	15.8	16.9	17.0	15.4	16.3	11.5	10.2	10.9	7.4	6.4	6.9
25	15.9	15.1	15.5	16.4	15.3	15.8	12.1	11.3	11.7	7.2	6.8	7.1
26	16.0	15.0	15.5	15.4	15.2	15.3	12.5	12.0	12.1	8.0	7.0	7.4
27	16.1	15.1	15.6	15.7	15.3	15.5	12.7	12.1	12.4	8.0	7.5	7.8
28	16.0	15.2	15.7	15.6	15.4	15.5	13.4	12.3	12.9	8.1	7.6	7.9
29	16.0	15.5	15.7	16.3	15.7	16.0	13.8	13.2	13.5	8.3	7.7	7.9
30	16.4	15.7	16.0	16.5	16.1	16.2	13.7	13.0	13.4	8.7	7.9	8.2
31	16.7	16.1	16.3	---	---	---	13.0	12.4	12.7	9.1	8.1	8.4

WATER TEMPERATURE (°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

( BOTTOM )

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.8	8.3	9.0	11.0	10.6	10.9	14.4	13.5	13.8	20.8	19.7	20.2
2	11.3	10.0	10.6	11.6	10.8	11.2	14.6	14.0	14.3	21.4	20.2	20.8
3	10.7	9.8	10.4	12.3	11.1	11.5	14.9	14.2	14.5	21.7	20.9	21.3
4	9.8	9.3	9.6	12.9	11.9	12.4	15.6	14.4	14.8	21.8	21.0	21.4
5	9.4	9.1	9.3	13.5	12.7	13.1	15.9	15.2	15.5	21.7	20.8	21.1
6	9.2	8.8	9.1	14.2	13.3	13.8	17.0	15.8	16.4	21.8	21.1	21.3
7	9.0	8.6	8.8	14.4	14.0	14.3	17.8	16.8	17.3	22.5	20.9	21.7
8	9.1	8.3	8.7	15.8	14.1	14.7	18.4	17.7	18.0	22.4	21.9	22.1
9	8.9	8.3	8.6	16.6	15.1	15.8	18.4	18.0	18.2	22.1	21.7	21.9
10	8.8	8.4	8.7	16.2	15.5	15.8	18.7	18.1	18.4	22.0	21.1	21.5
11	8.8	8.7	8.8	15.4	13.8	14.6	18.8	18.0	18.3	22.4	21.2	21.6
12	8.7	8.3	8.6	13.8	13.1	13.5	18.2	17.6	17.9	22.7	21.7	22.3
13	8.4	7.4	8.0	13.9	12.8	13.3	18.9	17.7	18.2	23.3	22.3	22.8
14	7.7	7.4	7.6	14.1	13.4	13.7	18.7	18.1	18.4	23.7	22.6	23.2
15	8.5	7.5	7.7	14.4	13.6	13.9	18.6	18.2	18.4	23.8	22.9	23.4
16	8.8	7.9	8.3	14.6	14.2	14.4	18.3	17.7	18.0	23.8	23.2	23.5
17	9.2	8.6	8.9	14.2	13.8	14.0	18.2	17.4	17.7	23.6	22.3	23.0
18	9.7	8.7	9.1	14.4	13.8	14.1	18.0	17.1	17.3	22.8	22.2	22.5
19	10.2	9.2	9.5	15.1	14.1	14.5	17.0	16.1	16.5	22.3	22.0	22.1
20	10.6	9.3	9.9	15.5	14.7	15.1	16.9	15.4	16.0	22.7	22.0	22.3
21	10.3	9.6	10.0	16.0	15.4	15.7	16.7	15.8	16.2	23.4	22.4	22.8
22	11.1	9.7	10.6	15.4	14.6	15.0	16.8	15.8	16.3	23.9	22.9	23.4
23	12.0	11.1	11.6	14.7	14.1	14.3	16.7	16.3	16.5	24.4	23.4	23.8
24	12.8	11.7	12.2	14.3	12.5	13.6	16.6	16.3	16.5	24.4	23.8	24.0
25	12.9	12.4	12.6	12.6	11.6	12.2	16.7	16.1	16.3	24.8	23.7	24.1
26	12.4	11.5	11.8	12.8	11.8	12.2	16.9	16.1	16.4	24.7	23.8	24.4
27	11.5	11.0	11.2	12.7	12.1	12.4	17.6	16.5	17.0	24.4	23.4	24.1
28	10.9	10.5	10.7	13.7	12.5	13.1	18.6	17.2	17.9	24.8	24.0	24.2
29	---	---	---	14.1	13.2	13.5	19.3	18.2	18.7	25.3	24.4	24.8
30	---	---	---	14.0	12.0	13.4	20.0	19.0	19.5	25.2	24.6	24.9
31	---	---	---	14.4	13.7	14.0	---	---	---	25.7	24.5	24.8
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	25.7	24.7	25.2	28.3	26.9	27.7	29.9	28.8	29.3	30.0	28.7	29.4
2	25.5	24.3	24.7	29.0	27.7	28.2	30.0	29.2	29.6	28.6	28.0	28.3
3	26.1	24.8	25.3	29.6	27.0	28.6	29.8	28.8	29.3	28.3	27.6	27.9
4	26.3	25.4	25.7	29.9	27.8	29.1	29.9	28.4	29.0	29.0	27.8	28.4
5	26.3	25.4	25.9	30.2	28.2	28.9	30.2	29.2	29.7	29.4	28.4	28.8
6	26.9	25.8	26.2	29.5	27.7	28.7	30.3	29.5	29.8	29.4	28.8	29.1
7	26.4	26.1	26.3	28.7	27.6	28.1	30.0	29.2	29.7	30.0	28.9	29.3
8	26.3	25.4	25.9	27.8	27.1	27.4	29.6	28.9	29.1	29.8	29.0	29.3
9	25.5	24.5	25.1	27.4	26.9	27.2	29.9	29.2	29.4	29.2	28.8	29.1
10	24.3	23.7	24.0	27.9	27.1	27.3	29.8	29.1	29.4	29.4	28.5	28.8
11	24.5	23.4	23.8	28.6	27.5	28.0	30.2	29.1	29.6	29.4	28.7	28.9
12	24.9	23.6	24.0	29.0	28.2	28.5	30.1	29.0	29.5	30.0	28.7	29.3
13	24.7	23.3	24.1	29.6	28.3	28.9	29.2	28.4	28.9	29.3	28.7	29.1
14	24.4	23.9	24.2	29.9	28.8	29.3	28.6	27.8	28.3	28.7	27.4	28.3
15	26.0	24.2	25.0	29.6	28.9	29.3	28.0	27.5	27.8	27.2	26.4	26.8
16	26.1	24.5	25.3	29.5	28.4	29.1	27.7	27.3	27.5	26.4	25.7	26.0
17	26.7	24.7	25.6	30.0	28.4	29.4	27.6	27.0	27.3	25.8	25.2	25.5
18	26.9	24.8	26.0	29.5	28.8	29.2	28.7	27.3	27.7	26.6	25.6	26.0
19	27.3	25.0	26.4	30.0	28.4	29.2	28.7	27.9	28.2	26.7	26.0	26.3
20	27.4	24.9	26.5	30.1	29.2	29.6	29.5	27.9	28.6	26.8	26.3	26.6
21	27.2	25.7	26.8	30.9	29.3	29.8	30.2	27.9	28.9	26.9	26.4	26.6
22	26.9	25.2	26.4	30.6	29.6	30.0	30.7	28.3	29.8	26.7	25.3	25.9
23	26.3	25.4	26.1	29.9	29.0	29.4	30.6	29.3	30.2	25.2	24.4	24.8
24	26.5	25.8	26.0	30.4	29.4	29.8	30.3	29.0	29.9	24.3	23.7	24.1
25	27.3	26.2	26.4	30.2	29.2	29.7	30.2	28.1	29.2	23.5	23.0	23.2
26	27.4	26.2	26.8	29.8	28.8	29.3	29.4	28.5	29.1	23.0	22.5	22.7
27	28.2	26.8	27.6	29.6	28.6	29.0	29.3	28.7	29.0	22.6	21.9	22.3
28	28.4	27.1	27.9	29.5	28.4	28.9	30.0	29.1	29.5	22.3	21.7	22.1
29	27.9	27.0	27.6	29.6	28.3	28.7	30.0	28.8	29.6	22.0	21.5	21.8
30	28.5	26.6	27.7	28.9	28.2	28.5	30.0	29.0	29.5	---	---	---
31	---	---	---	29.6	28.3	28.9	30.4	29.3	29.7	---	---	---
YEAR	30.9	5.0	19.4									



021720615 BACK RIVER BELOW FOSTER CREEK NEAR NORTH CHARLESTON, SC

LOCATION.--Lat 32°58'30", long 79°56'26", Berkeley County, Hydrologic Unit 03050201, on west side of Back River 0.1 mi below junction of Foster Creek.

PERIOD OF RECORD.--July 1982 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1982 to current year.

INSTRUMENTATION.--USGS mini-monitor since July 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 436 micromhos Aug. 28, 1982; minimum, 87 micromhos Mar. 23, 1983.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 386 micromhos Oct. 26; minimum, 87 micromhos Mar. 23.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	165	148	160	229	165	173	202	106	143
2	---	---	---	164	149	160	209	129	157	200	112	126
3	---	---	---	162	148	158	---	---	---	202	108	173
4	---	---	---	163	152	159	---	---	---	193	169	179
5	---	---	---	163	154	159	---	---	---	201	109	190
6	---	---	---	170	156	161	---	---	---	195	109	176
7	341	300	328	164	156	160	---	---	---	195	182	188
8	341	328	337	160	158	159	---	---	---	200	185	192
9	339	334	336	162	149	155	---	---	---	216	190	199
10	341	337	338	160	157	158	189	108	178	216	191	200
11	---	---	---	159	152	156	191	108	181	196	183	188
12	---	---	---	160	148	153	194	158	178	196	183	188
13	---	---	---	176	148	158	186	176	182	190	184	187
14	---	---	---	164	148	158	182	162	172	192	182	186
15	---	---	---	159	148	155	181	148	168	187	184	185
16	---	---	---	160	148	150	171	148	159	191	183	187
17	---	---	---	161	148	156	206	100	170	189	108	183
18	---	---	---	165	160	162	191	169	177	191	186	187
19	---	---	---	169	162	164	177	168	174	195	188	190
20	---	---	---	170	164	166	184	168	178	198	189	191
21	---	---	---	169	165	166	188	179	183	207	188	194
22	---	---	---	171	166	168	185	175	178	211	196	200
23	---	---	---	172	168	169	194	178	183	224	188	201
24	---	---	---	172	168	169	198	176	190	199	187	191
25	376	206	231	172	164	169	203	188	195	191	108	180
26	386	186	268	170	162	166	203	195	199	217	186	191
27	186	160	165	170	164	166	201	198	199	205	194	199
28	165	149	161	170	163	166	200	190	196	198	183	188
29	165	148	159	170	161	165	200	190	195	187	175	182
30	166	149	161	170	165	166	199	106	145	190	181	184
31	165	149	162	---	---	---	244	106	150	186	181	184

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	202	180	188	151	144	146	99	95	97	109	102	104
2	215	184	197	145	141	143	99	94	96	128	100	115
3	189	182	184	145	136	142	99	88	96	120	100	111
4	190	182	185	146	129	141	99	88	95	120	100	107
5	197	172	182	156	128	142	99	97	97	120	100	104
6	188	173	178	146	135	140	99	96	98	107	104	105
7	186	174	178	145	138	141	99	97	98	107	104	105
8	177	171	174	144	137	142	100	97	98	108	105	105
9	174	170	171	146	139	142	100	97	98	110	105	106
10	176	173	174	145	140	142	100	98	99	108	105	106
11	177	171	174	145	141	143	102	98	100	108	106	106
12	181	156	168	145	131	142	101	98	99	108	105	106
13	170	159	167	146	142	143	108	98	100	108	105	106
14	168	146	157	146	122	141	100	99	100	108	105	106
15	168	148	161	145	122	140	101	99	99	110	106	107
16	165	157	162	146	130	139	102	99	100	109	106	107
17	164	159	161	145	118	136	102	99	100	109	107	107
18	161	150	154	145	123	135	102	100	101	109	106	107
19	156	142	147	145	116	135	101	100	100	109	107	107
20	152	141	145	143	122	133	102	100	101	109	107	107
21	156	147	151	147	97	124	103	100	101	109	107	107
22	156	144	152	138	91	114	103	101	101	109	107	107
23	155	142	153	128	87	107	103	100	101	109	107	108
24	156	152	154	127	92	109	103	101	101	110	107	108
25	155	151	153	107	94	100	106	101	102	109	108	108
26	157	144	150	97	88	92	105	102	102	110	108	109
27	147	143	145	101	89	95	104	102	102	110	108	109
28	149	144	145	99	94	97	104	101	102	110	108	109
29	---	---	---	98	94	96	108	103	104	111	108	109
30	---	---	---	101	88	95	108	100	104	111	108	109
31	---	---	---	103	98	99	---	---	---	111	109	109
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	110	109	109	124	118	121	140	137	138	155	140	151
2	111	110	110	127	123	125	144	136	140	155	141	143
3	112	110	111	126	122	124	149	138	145	146	140	143
4	112	110	111	130	108	119	150	141	147	152	140	143
5	113	110	111	166	121	143	150	144	147	156	144	147
6	113	111	112	139	124	131	150	143	148	150	145	147
7	114	112	112	127	122	124	151	144	148	153	146	149
8	113	112	112	126	123	124	153	147	149	152	147	149
9	114	112	113	125	122	123	151	148	149	152	148	150
10	115	113	114	127	121	124	150	145	149	154	149	151
11	115	111	113	129	122	126	150	139	142	158	151	155
12	113	111	112	127	119	124	145	140	141	161	153	157
13	113	111	112	163	124	143	146	141	142	160	156	158
14	113	111	112	189	123	156	151	142	145	163	148	156
15	114	111	112	188	124	156	151	145	147	159	149	151
16	113	111	112	261	116	188	152	146	149	152	150	150
17	113	112	112	147	122	134	151	143	148	152	149	150
18	114	112	113	171	126	148	149	135	142	156	140	146
19	114	112	112	188	127	157	150	136	143	159	146	151
20	114	112	113	141	130	134	150	145	147	156	146	151
21	115	113	113	140	133	137	151	143	147	154	148	151
22	123	112	118	145	134	139	150	146	147	154	149	151
23	123	115	118	141	135	138	149	146	147	152	149	151
24	119	115	117	141	129	135	150	146	148	151	149	149
25	121	118	120	137	129	135	152	148	150	150	148	148
26	125	116	120	145	131	149	152	148	150	150	148	148
27	133	115	124	156	133	144	153	145	151	150	147	148
28	129	120	124	156	133	144	155	151	152	149	146	148
29	125	120	122	147	136	140	154	151	152	149	147	148
30	123	120	122	149	136	140	155	150	153	149	145	147
31	---	---	---	146	138	142	156	152	154	---	---	---
YEAR	386	87	146									



## EDISTO RIVER BASIN

193

02173000 SOUTH FORK EDISTO RIVER NEAR DENMARK, SC

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 downstream from Seaboard Coast Line Railroad Bridge, 1.8 mi downstream from Little River, and 4.8 mi north of Denmark, and at mile 136.6.

DRAINAGE AREA.--720 mi<sup>2</sup>, approximately (measured on topographic and highway planning survey maps).

PERIOD OF RECORD.--August 1931 to September 1971, October 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 155.68 ft 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 Jan. 8 to Mar. 7, which are fair.

AVERAGE DISCHARGE.--43 years (water years 1932-71, 1981 to current year), 786 ft<sup>3</sup>/s, 14.82 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft<sup>3</sup>/s Apr. 11, 1936, gage height, 10.91 ft, from rating curve extended above 7,100 ft<sup>3</sup>/s on basis of velocity-area studies; minimum, 146 ft<sup>3</sup>/s Aug. 12, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 11.7 ft in October 1929, on basis of information from State Highway Department (discharge 17,100 ft<sup>3</sup>/s) (by conveyance-slope study).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,870 ft<sup>3</sup>/s Apr. 13, gage height, 7.80 ft; minimum daily, 206 ft<sup>3</sup>/s Aug. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	338	351	430	701	1000	1480	1260	910	426	352	268	363
2	318	347	425	793	1040	1590	1310	873	414	374	263	444
3	298	344	430	881	1100	1700	1330	815	410	398	375	441
4	290	358	435	950	1130	1780	1210	815	416	463	463	440
5	283	422	450	1040	1200	1710	1110	815	416	455	501	432
6	273	448	480	1050	1170	1700	1050	794	416	429	509	425
7	266	470	500	977	1100	1740	1060	780	441	416	483	414
8	265	488	530	921	1070	1750	1170	739	567	411	480	401
9	273	489	547	880	1090	1800	1520	720	638	408	509	377
10	288	486	560	900	1100	1800	1800	720	720	419	519	352
11	299	489	570	950	1000	1840	1910	713	787	423	485	332
12	317	487	580	1000	1020	1900	2120	675	726	380	478	324
13	341	476	600	1050	1030	1740	2720	632	688	327	485	310
14	395	464	617	1000	1200	1520	2570	597	644	307	449	390
15	432	457	645	920	1330	1330	2160	577	559	318	395	465
16	447	455	687	860	1480	1170	1930	567	496	425	346	480
17	468	455	708	800	1640	1300	1730	556	435	381	317	485
18	478	450	752	740	1660	1680	1520	543	393	353	292	483
19	481	450	814	670	1600	1770	1400	532	368	360	271	498
20	489	455	814	610	1500	1730	1260	524	355	349	252	540
21	501	460	746	580	1420	1600	1170	522	348	329	245	638
22	494	465	688	600	1370	1480	1130	519	349	296	234	669
23	447	470	666	660	1450	1540	1120	516	408	314	221	597
24	407	465	649	700	1510	1510	1210	506	447	338	206	551
25	390	455	615	750	1550	1400	1300	491	441	329	222	522
26	391	450	580	780	1550	1340	1310	488	411	366	286	509
27	386	440	563	800	1450	1480	1260	483	390	362	292	522
28	379	440	548	850	1390	1510	1110	491	356	342	276	537
29	371	435	549	900	---	1380	1010	511	339	312	265	530
30	363	430	580	950	---	1260	954	496	342	283	245	465
31	357	---	640	970	---	1230	---	455	---	272	227	---
TOTAL	11525	13351	18398	26233	36150	48760	43714	19375	14146	11291	10859	13936
MEAN	372	445	593	846	1291	1573	1457	625	472	364	350	465
MAX	501	489	814	1050	1660	1900	2720	910	787	463	519	669
MIN	265	344	425	580	1000	1170	954	455	339	272	206	310
CFSM	.52	.62	.82	1.18	1.79	2.19	2.02	.87	.66	.51	.49	.65
IN.	.60	.69	.95	1.36	1.87	2.52	2.26	1.00	.73	.58	.56	.72

CAL YR 1982 TOTAL 216271 MEAN 593 MAX 2180 MIN 194 CFSM .82 IN 11.17  
WTR YR 1983 TOTAL 267738 MEAN 734 MAX 2720 MIN 206 CFSM 1.02 IN 13.83



## EDISTO RIVER BASIN

02173500 NORTH FORK EDISTO RIVER AT ORANGEBURG, SC

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 upstream from Seaboard Coast Line Railroad bridge, 1.5 mi downstream from Caw Caw Swamp and at mile 22.1.

DRAINAGE AREA.--683 mi<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 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. About 8.3 ft<sup>3</sup>/s diverted by City of Orangeburg for municipal supply.

AVERAGE DISCHARGE.--45 years, 793 ft<sup>3</sup>/s, 15.77 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,500 ft<sup>3</sup>/s Sept. 18, 1945, gage height, 14.28 ft, from rating curve extended above 5,300 ft<sup>3</sup>/s by velocity-area studies; minimum, 190 ft<sup>3</sup>/s Sept. 13, 14, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 14.7 ft in September 1928, discharge, 10,000 ft<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, 2,610 ft<sup>3</sup>/s Apr. 13, gage height 9.04 ft; minimum, 340 ft<sup>3</sup>/s Aug. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	475	446	452	738	863	1270	1200	958	502	397	406	462
2	456	439	454	834	926	1620	1260	926	484	457	456	521
3	440	427	458	933	1030	1640	1280	890	471	501	593	572
4	425	436	468	1010	1070	1370	1220	886	469	467	703	634
5	419	468	488	1010	989	1160	1130	900	479	499	703	615
6	404	478	551	979	933	1170	1060	898	509	617	644	566
7	383	497	587	926	911	1360	1110	873	539	748	561	535
8	372	533	593	876	903	1470	1380	845	675	823	520	516
9	373	554	575	866	900	1540	1700	819	738	753	506	486
10	381	544	542	899	911	1490	2080	810	797	660	494	443
11	388	531	530	894	925	1430	2150	798	812	575	487	401
12	398	523	649	836	922	1460	2280	771	805	512	474	381
13	415	510	691	761	930	1350	2540	740	755	454	474	386
14	446	495	718	704	1210	1170	2410	707	695	412	461	529
15	465	485	710	663	1450	1040	1950	690	631	393	438	597
16	485	478	758	636	1460	968	1630	677	548	390	407	680
17	490	477	785	619	1200	1220	1480	652	491	394	387	575
18	487	479	801	607	1250	1930	1370	635	454	410	373	555
19	492	487	818	600	1160	2110	1290	628	428	414	360	557
20	491	489	822	592	1180	1930	1230	629	414	417	353	574
21	500	492	783	625	1160	1650	1160	623	404	408	349	608
22	485	484	730	724	1070	1500	1110	616	401	387	344	633
23	464	473	699	805	1170	1540	1090	606	402	392	340	605
24	453	466	680	826	1190	1470	1120	578	398	421	342	559
25	455	460	659	822	1220	1360	1190	560	394	415	373	526
26	454	453	625	806	1110	1270	1220	544	393	410	461	501
27	455	452	594	810	1020	1330	1170	534	393	410	508	490
28	498	453	567	877	985	1350	1060	533	389	411	519	480
29	496	452	599	941	---	1280	995	556	382	417	529	457
30	479	451	665	955	---	1190	979	557	381	418	506	434
31	462	---	718	911	---	1170	---	527	---	421	467	---
TOTAL	13886	14412	19769	25085	30048	43808	42844	21966	15633	14803	14538	15878
MEAN	448	480	638	809	1073	1413	1428	709	521	478	469	529
MAX	500	554	822	1010	1460	2110	2540	958	812	823	703	680
MIN	372	427	452	592	863	968	979	527	381	387	340	381
CFSM	.66	.70	.93	1.18	1.57	2.07	2.09	1.04	.76	.70	.69	.78
IN.	.76	.78	1.08	1.37	1.64	2.39	2.33	1.20	.85	.81	.79	.86
CAL YR 1982	TOTAL	235181	MEAN 644	MAX 1830	MIN 318	CFSM .94	IN 12.81					
WTR YR 1983	TOTAL	272670	MEAN 747	MAX 2540	MIN 340	CFSM 1.09	IN 14.85					

## EDISTO RIVER BASIN

195

02174000 EDISTO RIVER NEAR BRANCHVILLE, SC

LOCATION.--Lat 33°10'35", long 80°45'05", Bamberg County, Hydrologic Unit 03050205, on right bank 400 ft downstream from bridge on U.S. Highway 21, 4.7 mi downstream from Brier Branch, 5.2 mi south of Branchville, and at mile 100.0.

DRAINAGE AREA.--1,720 mi<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 National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 19, 1949, at datum 1.00 ft higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 2,019 ft<sup>3</sup>/s, 15.94 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft<sup>3</sup>/s Sept. 3, 1964, gage height, 11.44 ft; minimum, 323 ft<sup>3</sup>/s Aug. 14, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 13.5 ft, present datum, in September 1928, on basis of information from State Highway Department, discharge, 25,700 ft<sup>3</sup>/s, by conveyance-slope study.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,120 ft<sup>3</sup>/s, Apr. 16, gage height, 8.91 ft; minimum daily, 674 ft<sup>3</sup>/s Aug. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1160	962	1000	1730	2710	3760	3860	2880	1210	899	812	969
2	1070	944	1000	1870	2800	4160	3730	2720	1180	887	794	854
3	1000	932	1010	2060	2940	4450	3630	2580	1130	902	794	908
4	944	920	1010	2310	3050	4620	3520	2520	1080	935	911	992
5	905	917	1020	2510	3120	4570	3440	2460	1050	974	1010	1060
6	884	938	1060	2630	3100	4560	3390	2380	1060	1010	1100	1090
7	866	971	1130	2660	3010	4670	3270	2300	1160	1060	1180	1110
8	839	1000	1170	2670	2880	4780	3150	2230	1430	1110	1210	1100
9	821	1030	1210	2680	2760	4800	3180	2210	1540	1140	1180	1060
10	827	1080	1230	2700	2640	4770	3500	2150	1570	1190	1120	1040
11	824	1120	1280	2700	2630	4590	4030	2050	1590	1230	1090	995
12	836	1130	1350	2650	2720	4450	4510	1970	1610	1210	1090	923
13	836	1140	1420	2600	2830	4280	4750	1910	1650	1150	1090	860
14	905	1130	1480	2490	3170	4210	4900	1860	1700	1050	1070	857
15	956	1110	1530	2340	3650	4140	5380	1800	1720	938	1040	917
16	1000	1090	1570	2140	4060	3920	5990	1730	1660	869	1010	1010
17	1030	1070	1610	1940	4440	3960	5990	1640	1550	857	956	1080
18	1050	1060	1660	1770	4480	4720	5500	1560	1410	875	878	1160
19	1070	1050	1700	1650	4330	5480	4780	1500	1220	872	818	1070
20	1090	1060	1740	1570	4100	6010	4250	1460	1080	857	779	1060
21	1110	1070	1770	1540	3830	5970	3880	1430	1000	857	740	1200
22	1140	1080	1810	1630	3560	5560	3590	1400	974	848	710	1240
23	1150	1090	1850	1750	3780	5040	3410	1380	1020	851	695	1260
24	1170	1080	1840	1880	4010	4640	3420	1350	1050	821	680	1300
25	1150	1060	1770	2000	4110	4500	3410	1330	1010	821	674	1340
26	1090	1040	1670	2070	4050	4390	3400	1300	992	920	716	1320
27	1040	1030	1590	2140	3820	4280	3340	1270	980	911	776	1250
28	1010	1010	1530	2280	3590	4150	3250	1230	977	881	836	1170
29	1000	1000	1490	2410	---	4020	3180	1210	959	866	866	1120
30	992	1000	1500	2520	---	3980	3060	1190	929	848	872	1100
31	980	---	1600	2620	---	3940	---	1200	---	830	881	---
TOTAL	30745	31114	44600	68510	96170	141370	118690	56200	37491	29469	28378	32315
MEAN	992	1037	1439	2210	3435	4560	3956	1813	1250	951	915	1077
MAX	1170	1140	1850	2700	4480	6010	5990	2880	1720	1230	1210	1340
MIN	821	917	1000	1540	2630	3760	3060	1190	929	821	674	854
CFSM	.58	.60	.84	1.29	2.00	2.65	2.30	1.05	.73	.55	.53	.63
IN.	.66	.67	.96	1.48	2.08	3.06	2.57	1.22	.81	.64	.61	.70
CAL YR 1982	TOTAL	586598	MEAN	1607	MAX	4680	MIN	656	CFSM	.93	IN	12.69
WTR YR 1983	TOTAL	715052	MEAN	1959	MAX	6010	MIN	674	CFSM	1.14	IN	15.47

## EDISTO RIVER BASIN

02175000 EDISTO RIVER NEAR GIVHANS, SC  
(National stream-quality accounting network 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 downstream from Four Hole Swamp, 2.8 mi west of Givhans, and at mile 59.9.

DRAINAGE AREA.--2,730 mi<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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. About 112 ft<sup>3</sup>/s a day diverted above station for Charleston water supply during year.

AVERAGE DISCHARGE.--44 years, 2,668 ft<sup>3</sup>/s, 13.27 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,500 ft<sup>3</sup>/s June 14, 1973, gage height, 15.84 ft; minimum, 290 ft<sup>3</sup>/s Aug. 16, 1956, gage height, 0.51 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1904, 17.5 ft in February 1925, from investigation by Charleston Commissioners of Public Works, discharge, 24,900 ft<sup>3</sup>/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,000 ft<sup>3</sup>/s, Mar. 22, gage height, 13.84 ft; minimum daily, 604 ft<sup>3</sup>/s, Aug. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1090	886	873	2150	4650	6440	8020	4160	1070	832	693	729
2	1090	874	874	2420	4740	6850	7670	3950	1060	804	686	775
3	1060	860	874	3560	5170	7440	7340	3740	1040	771	699	748
4	991	850	876	4770	5950	7970	6970	3530	1010	758	710	737
5	933	837	880	5050	6140	8140	6560	3330	959	786	732	772
6	880	826	883	4870	6060	8300	6150	3140	945	813	802	817
7	834	826	893	4510	5980	8960	5790	2950	975	808	859	850
8	795	823	928	4370	5880	10200	5500	2770	1110	844	928	868
9	767	840	973	4320	5630	11100	5250	2620	1370	877	979	871
10	757	863	1010	4330	5290	11000	5140	2490	1520	901	979	865
11	749	884	1040	4560	5110	10800	5080	2400	1630	928	949	853
12	739	913	1140	4780	5040	10400	5070	2320	1630	967	937	829
13	734	937	1410	4840	4960	9690	5180	2230	1570	991	958	784
14	732	947	1520	4830	5160	8820	5480	2090	1560	979	968	734
15	743	957	1540	4520	5930	8020	5910	1990	1620	922	994	704
16	765	967	1600	4220	6920	7300	6510	1920	1750	838	970	720
17	792	963	1670	3920	7590	7250	7140	1840	1840	760	937	760
18	818	949	1720	3590	8170	9040	7610	1770	1830	737	889	820
19	835	917	1760	3260	8720	12000	7890	1680	1710	726	817	880
20	849	907	1820	2970	8990	13000	7800	1580	1500	723	745	920
21	865	902	1890	2770	8860	13400	7350	1500	1210	715	691	880
22	879	902	1960	2870	8430	13900	6700	1430	1020	710	664	928
23	892	905	2000	3180	7920	13700	6130	1370	957	721	638	931
24	916	909	2030	3410	7380	12700	5860	1320	935	710	618	946
25	987	910	2060	3500	6950	11900	5710	1260	940	696	610	964
26	1050	913	2070	3500	6690	11300	5480	1230	919	696	604	988
27	1020	907	2050	3530	6510	10700	5180	1200	884	723	614	1010
28	976	897	1990	3770	6390	10100	4910	1170	848	745	646	1010
29	939	893	1900	4190	---	9540	4650	1140	837	726	682	976
30	913	881	1840	4550	---	8980	4400	1120	843	715	712	925
31	895	---	1950	4640	---	8460	---	1100	---	718	718	---
TOTAL	27285	26845	46024	121750	181210	307400	184430	66340	37092	24640	24448	25594
MEAN	880	895	1485	3927	6472	9916	6148	2140	1236	795	789	853
MAX	1090	967	2070	5050	8990	13900	8020	4160	1840	991	994	1010
MIN	732	823	873	2150	4650	6440	4400	1100	837	696	604	704
CAL YR 1982 TOTAL	754184			MEAN 2066		MAX 7470		MIN 580				
WTR YR 1983 TOTAL	1073058			MEAN 2940		MAX 13900		MIN 604				

## EDISTO RIVER BASIN

197

02175000 EDISTO RIVER NEAR GIVHANS, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1967 to July 1973, October 1974 to current year.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANECUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)
NOV 17...	1230	946	64	6.9	14.0	2.3	767	8.4	81	K20	>1000	12
JAN 05...	1330	5010	68	6.2	9.0	4.4	766	8.6	74	K890	>1000	19
MAR 16...	0915	7360	62	6.1	14.5	--	754	8.1	80	58	1500	--
MAY 11...	1330	2390	64	5.9	21.0	2.3	768	6.5	72	52	290	17
JUL 07...	0920	786	57	6.0	28.5	2.8	765	6.6	85	K28	590	12
SEP 15...	1400	660	70	6.2	27.0	2.7	764	7.4	93	100	220	10

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 AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	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)
NOV 17...	1	3.7	.7	8.0	56	1.0	1.2	11	13	7.7	<.10	7.8
JAN 05...	11	5.8	1.0	5.1	35	.5	1.7	8.0	13	7.3	<.10	5.9
MAY 11...	2	5.1	1.0	6.0	41	.7	1.3	15	12	7.3	<.10	3.3
JUL 07...	2	3.5	.7	6.0	51	.8	.8	10	10	5.5	<.10	5.5
SEP 15...	0	2.8	.7	8.6	63	1.2	.8	13	10	8.4	<.10	6.7

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
NOV 17...	54	49	.07	138	<.10	.010	.01	.40	.050	.15	.050	.040
JAN 05...	74	45	.10	1000	.17	.030	.04	.90	.050	.15	.030	.020
MAR 16...	--	--	--	--	.11	.030	.04	.60	.040	.12	.030	<.010
MAY 11...	64	46	.09	413	.21	.050	.06	.70	.090	.28	.070	.040
JUL 07...	55	39	.07	117	.27	.060	.08	.30	.080	.25	.060	.050
SEP 15...	48	46	.07	96.8	.20	<.010	--	.60	.080	.25	.060	.050



## EDISTO RIVER BASIN

02175000 EDISTO RIVER NEAR GIVHANS, SC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
NOV 17...	.12	--	1	31	<1	<1	--	<3	6	280	12	<4
JAN 05...	.06	200	1	36	<1	<1	<1	<3	3	300	3	<4
MAY 11...	.12	200	1	150	<1	<1	2	<3	5	820	5	7
JUL 07...	.15	50	1	85	<1	<1	<1	<3	2	420	4	<4
SEP 15...	.15	--	--	--	--	--	--	--	--	--	--	--

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 17...	10	.3	10	3	<1	2	15	<6.0	33	2	5.1	59
JAN 05...	22	<.1	<10	1	<1	<1	18	<6.0	11	16	216	50
MAR 16...	--	--	--	--	--	--	--	--	--	4	79	49
MAY 11...	34	.1	<10	8	<1	<1	18	9.0	31	5	32	86
JUL 07...	18	.4	<10	<1	<1	<1	17	<6.0	43	1	2.1	62
SEP 15...	--	--	--	--	--	--	--	--	--	2	3.6	68

NOTE: "K" denotes a bacteria count outside ideal limits.

"&gt;" denotes a value greater than that listed.

"&lt;" denotes a value less than that listed.

## COMBAHEE RIVER BASIN

199

02175500 SALKEHATCHIE RIVER NEAR MILEY, SC

LOCATION.--Lat 32°59'20", long 81°03'10", Hampton County, Hydrologic Unit 03050207, on right bank 90 ft downstream from bridge on U.S. Highway 601, 2.4 mi downstream from Savannah Creek, 3.1 mi upstream from Hampton and Branchville Railroad bridge, 3.1 mi northwest of Miley, and at mile 68.0.

DRAINAGE AREA.--341 mi<sup>2</sup>.

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 64.35 ft 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 upstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--32 years, 348 ft<sup>3</sup>/s, 13.86 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,300 ft<sup>3</sup>/s Mar. 13, 1980, gage height, 5.44 ft; minimum, 17 ft<sup>3</sup>/s Sept. 13, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,140 ft<sup>3</sup>/s Feb. 17, gage height, 4.19 ft; minimum daily, 40 ft<sup>3</sup>/s Aug. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123	141	190	373	439	684	618	397	145	201	65	58
2	118	143	189	499	509	708	585	341	131	214	85	73
3	106	150	191	633	624	658	541	305	121	189	110	82
4	101	162	192	644	629	678	518	309	111	149	130	87
5	99	170	193	625	533	682	483	301	121	135	169	87
6	100	191	212	585	549	776	454	287	213	148	166	84
7	100	205	242	516	538	922	418	284	315	149	172	78
8	102	211	268	459	494	945	395	285	649	139	146	71
9	120	216	278	454	434	922	420	282	698	114	121	63
10	125	225	262	501	385	866	525	266	573	95	120	59
11	119	228	271	442	370	813	650	251	597	82	122	65
12	117	217	314	396	363	719	735	241	478	77	127	88
13	123	207	321	376	374	620	739	224	358	86	145	99
14	141	199	325	344	605	529	674	213	270	93	115	121
15	175	194	344	313	907	452	640	198	194	105	92	117
16	168	193	412	286	913	411	617	201	153	110	78	111
17	155	194	423	261	1100	526	556	202	132	100	66	114
18	166	194	408	245	1090	766	516	182	117	95	62	123
19	182	194	390	235	1010	911	541	174	106	90	59	135
20	183	194	363	227	879	991	545	168	99	95	53	168
21	167	193	324	265	709	968	519	165	96	85	52	223
22	153	191	291	332	587	851	474	164	127	75	49	200
23	154	190	261	373	599	742	522	162	246	85	45	169
24	165	190	234	380	636	673	653	155	338	90	40	178
25	167	187	220	409	694	673	685	147	327	85	41	188
26	162	187	210	422	717	632	649	219	342	95	55	184
27	155	188	204	431	649	611	640	249	341	100	69	158
28	149	188	198	482	601	635	565	344	265	90	73	125
29	146	189	213	469	---	614	541	298	236	85	71	105
30	144	189	261	437	---	600	472	205	192	80	65	95
31	141	---	332	434	---	617	---	169	---	70	58	---
TOTAL	4326	5720	8536	12848	17937	22195	16910	7388	8091	3406	2821	3508
MEAN	140	191	275	414	641	716	564	238	270	110	91.0	117
MAX	183	228	423	644	1100	991	739	397	698	214	172	223
MIN	99	141	189	227	363	411	395	147	96	70	40	58
CFSM	.41	.56	.81	1.21	1.88	2.10	1.65	.70	.79	.32	.27	.34
IN.	.47	.62	.93	1.40	1.96	2.42	1.84	.81	.88	.37	.31	.38
CAL YR 1982	TOTAL	103280	MEAN 283	MAX 1090	MIN 65	CFSM .83	IN 11.27					
WTR YR 1983	TOTAL	113686	MEAN 311	MAX 1100	MIN 40	CFSM .91	IN 12.40					

## BROAD RIVER BASIN

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, SC  
(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 downstream from Black Creek, 2.5 mi southwest of Hampton, and at mile 33.6.

DRAINAGE AREA.--203 mi<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 National Geodetic Vertical Datum of 1929. Prior to Oct. 26, 1954, nonrecording gage at same site and datum.

REMARKS.--Records fair except those below 10 ft<sup>3</sup>/s which are poor.

AVERAGE DISCHARGE.--32 years, 186 ft<sup>3</sup>/s, 12.44 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,160 ft<sup>3</sup>/s Sept. 2, 1969, gage height, 8.39 ft, from floodmarks; no flow for some days in 1951, 1954, 1956, 1957, 1968, 1969, 1980, 1981, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,620 ft<sup>3</sup>/s Mar. 8, gage height, 5.18 ft; minimum daily, 0.84 ft<sup>3</sup>/s, Aug. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.3	4.9	15	235	463	585	711	248	10	377	8.9	2.6
2	4.9	5.3	15	428	571	646	686	211	8.0	477	9.6	4.7
3	4.1	5.1	16	772	1020	623	607	189	6.8	354	12	12
4	3.5	7.7	17	678	926	549	529	200	6.0	257	36	14
5	3.5	12	18	463	711	477	455	211	5.8	421	41	10
6	3.5	14	24	331	571	654	402	200	36	408	46	6.5
7	3.4	15	26	243	492	1340	359	165	196	337	45	4.3
8	3.5	15	34	196	442	1530	348	130	564	239	37	2.9
9	3.8	13	38	231	396	1230	389	110	623	203	26	2.3
10	4.5	12	30	694	354	989	522	97	507	133	15	2.2
11	6.0	10	28	818	331	781	564	87	295	91	9.6	2.0
12	7.4	9.6	79	638	326	638	536	76	182	76	7.1	1.7
13	7.1	10	125	455	342	549	435	66	117	69	5.3	1.3
14	11	10	128	342	856	477	354	58	74	64	3.9	1.4
15	10	10	99	280	1300	428	331	51	53	55	3.5	2.2
16	10	11	85	243	1210	408	507	45	38	41	3.4	2.8
17	8.9	11	81	215	1170	654	585	41	30	32	3.1	2.8
18	6.8	16	76	192	1210	1180	492	51	24	30	2.7	2.5
19	5.6	12	64	175	1070	1200	470	58	18	26	2.5	2.2
20	5.1	11	57	159	847	1050	455	49	15	21	2.5	3.1
21	4.5	11	49	211	670	886	408	44	13	16	2.2	3.5
22	4.7	12	45	499	571	737	342	39	270	12	1.7	4.9
23	5.1	11	39	670	772	630	470	36	1090	16	1.3	5.1
24	6.3	11	35	623	947	578	1040	51	998	23	.84	4.5
25	6.5	11	35	507	937	746	1090	67	593	27	1.0	3.4
26	6.8	11	35	408	772	866	866	47	320	22	2.9	2.7
27	6.3	12	34	354	638	866	638	32	185	26	4.9	2.3
28	6.3	13	37	536	542	916	484	24	122	24	4.5	1.9
29	5.8	13	44	703	---	856	377	18	153	17	4.1	1.9
30	5.1	15	78	646	---	728	300	15	435	12	3.1	1.8
31	4.7	---	165	549	---	670	---	12	---	9.6	2.4	---
TOTAL	181.0	334.6	1651	13494	20457	24467	15752	2728	6987.6	3915.6	349.04	115.5
MEAN	5.84	11.2	53.3	435	731	789	525	88.0	233	126	11.3	3.85
MAX	11	16	165	818	1300	1530	1090	248	1090	477	46	14
MIN	3.4	4.9	15	159	326	408	300	12	5.8	9.6	.84	1.3
CFSM	.03	.06	.26	2.14	3.60	3.89	2.59	.43	1.15	.62	.06	.02
IN.	.03	.06	.30	2.47	3.75	4.48	2.89	.50	1.28	.72	.06	.02
CAL YR 1982	TOTAL	62834.70	MEAN	172	MAX	896	MIN	3.1	CFSM	.85	IN	11.51
WTR YR 1983	TOTAL	90432.34	MEAN	248	MAX	1530	MIN	.84	CFSM	1.22	IN	16.57

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, SC--Continued

## WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	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)
NOV 10...	1400	15	120	6.8	13.0	55	769	7.0	66	120	780	46
FEB 08...	1115	402	68	6.3	6.5	1.6	765	9.9	80	120	K1500	23
MAY 05...	1530	227	68	6.0	19.0	2.0	759	6.1	66	120	330	25
AUG 03...	1330	15	106	6.2	24.5	2.4	765	5.4	65	260	1600	38

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 AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	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)
NOV 10...	10	14	2.6	6.0	21	.4	2.3	36	12	9.9	<.10	14
FEB 08...	11	6.7	1.6	4.7	29	.4	1.1	12	14	9.2	<.10	7.9
MAY 05...	6	7.2	1.7	3.6	22	.3	1.6	19	3.0	8.3	<.10	6.1
AUG 03...	6	11	2.5	4.8	20	.4	2.7	32	10	9.8	.10	11

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 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
NOV 10...	101	84	.14	4.1	<.10	.010	.01	.30	.050	.15	.050	.030
FEB 08...	66	53	.09	71.6	.29	.020	.03	1.40	.040	.12	.030	.030
MAY 05...	84	44	.11	--	.13	.070	.09	.70	.150	.46	.120	.100
AUG 03...	90	73	.12	3.6	.22	.080	.10	.60	.150	.46	.160	.120



02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, SC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DATE	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
NOV 10...	.09	40	<1	98	1	2	<1	3	78	190	10	4
FEB 08...	.09	80	1	57	<1	<1	1	<3	7	280	2	<4
MAY 05...	.31	<10	1	150	<1	<1	<1	<3	1	880	4	<4
AUG 03...	.37	300	1	97	<1	<1	<1	4	10	560	5	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 10...	45	.1	10	21	<1	1	49	6.0	630	2	.08	59
FEB 08...	13	.3	<10	2	<1	<1	24	<6.0	<4	2	2.2	74
MAY 05...	70	.1	<10	1	<1	<1	28	<6.0	24	3	--	68
AUG 03...	120	<.1	20	5	<1	<1	45	<6.0	45	21	.85	40

NOTE:"K" denotes a bacteria count outside ideal limits.

"&gt;" denotes a value greater than that listed.

"&lt;" denotes a value less than that listed.

02176830 GREAT SWAMP CANAL NO. 2 NEAR RIDGELAND, SC

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 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
FEB 09...	1430	5.9	70	5.1	15.5	10.0	75	3.3	8.6	1.0	17	3.8
MAR 22...	1245	12	50	4.6	14.5	14.0	90	3.9	6.9	1.0	11	2.4
APR 19...	1415	4.1	64	5.1	13.5	10.0	70	6.6	7.6	.5	12	3.0

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SOLIDS, RESIDUE AT 150 DEG. C DIS- SOLVED (MG/L)	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)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)
FEB 09...	1.8	58	.08	.92	--	--	<.010	--	.58	.020	.020	.06
MAR 22...	1.1	71	.10	2.3	--	--	<.010	--	.24	.020	<.010	--
APR 19...	1.2	67	.09	.74	.30	1.3	.010	.03	.31	.030	.020	.06

NOTE: ">" denotes a value greater than that listed.  
"<" denotes a value less than that listed.

## BROAD RIVER BASIN

02176845 GREAT SWAMP CANAL NO. 1 NEAR RIDGELAND, SC

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 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	HARD- NESS (MG/L AS CACO3)
JAN 06...	1500	13	91	4.9	14.0	10.0	280	16	7.8	1.0	24
FEB 09...	1640	26	65	4.4	12.0	9.5	110	4.1	9.8	2.0	22
MAR 22...	1645	84	53	4.1	14.0	15.0	100	3.0	7.8	.5	7
APR 19...	1520	18	53	4.5	13.0	14.0	200	4.0	8.9	5.5	11

DATE	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)	SOLIDS, DIS- SOLVED (TCNS AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)
JAN 06...	5.6	2.5	112	.15	4.0	<.010	<.10	.030	<.010	--
FEB 09...	3.5	3.1	86	.12	6.1	<.010	<.10	.020	.020	.06
MAR 22...	1.7	.7	86	.12	19.5	<.010	<.10	.010	<.010	--
APR 19...	2.9	.8	85	.12	4.1	<.010	<.10	.020	.010	.03

NOTE: ">" denotes a value greater than that listed.  
"<" denotes a value less than that listed.

02176875 GREAT SWAMP NEAR RIDGELAND, SC

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 northwest of Ridgeland.

DRAINAGE AREA.--48.8 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year. Discharge below 400 ft<sup>3</sup>/s only.

GAGE.--Water-stage recorder. Altitude of gage is 35 ft (from topographic map).

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 6.54 ft June 19, 1982; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.77 ft Mar. 18; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALLES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.37	.02	.00	21	76	68	144	39	.55	3.5	.00	.00
2	.32	.02	.00	31	149	76	120	31	.37	2.9	.00	.29
3	.23	.03	.00	46	319	63	108	26	.15	2.2	.00	.09
4	.18	.04	.00	43	192	54	83	27	.04	1.6	.00	.05
5	.19	.02	.00	35	133	47	66	26	.00	1.2	.00	.01
6	.21	.00	.00	30	108	55	54	19	1.6	1.3	.00	.00
7	.15	.00	.00	25	106	257	47	13	3.2	1.7	.00	.00
8	.10	.00	.00	21	85	405	48	9.7	12	1.0	.00	.00
9	.10	.00	.00	22	68	266	57	8.4	5.8	.31	.00	.00
10	.10	.00	.00	38	59	167	74	7.5	3.1	.11	.00	.00
11	.31	.00	.00	44	63	117	68	6.0	2.2	.04	.00	.00
12	.36	.00	1.1	38	62	86	54	5.1	1.7	.00	.00	.00
13	.29	.00	2.3	31	62	66	43	4.3	1.3	.00	.00	.00
14	.14	.00	1.0	26	376	54	36	3.6	.98	.00	.00	.00
15	.07	.00	.77	24	416	45	39	3.2	.80	.00	.00	.00
16	.04	.00	1.0	20	263	49	74	3.0	.17	.00	.00	.00
17	.02	.00	1.0	17	424	266	73	2.6	.10	.00	.00	.00
18	.00	.00	.86	14	411	675	56	2.3	.06	.00	.00	.00
19	.00	.00	.75	11	249	410	50	2.3	.03	.00	.00	.00
20	.00	.00	.77	9.6	161	227	41	2.2	.03	.00	.00	.00
21	.00	.00	.73	29	117	182	33	2.0	.03	.00	.00	.00
22	.00	.00	.73	131	93	173	28	1.8	.49	.00	.00	.00
23	.08	.00	.65	148	141	124	145	1.7	2.4	.00	.00	.00
24	.52	.00	.84	141	148	107	737	1.5	4.0	.00	.00	.00
25	.50	.00	.64	106	120	232	436	1.3	2.7	.00	.00	.00
26	.39	.00	.62	80	95	202	232	1.1	1.6	.00	.00	.00
27	.26	.00	.60	66	73	221	139	.98	1.2	.00	.00	.00
28	.14	.00	.60	81	62	300	93	.90	1.1	.00	.00	.00
29	.07	.00	.83	99	---	195	67	.79	1.5	.00	.00	.00
30	.04	.00	5.1	87	---	136	50	.71	5.1	.00	.00	.00
31	.02	---	21	90	---	122	---	.65	---	.00	.00	---
TOTAL	5.20	.13	41.69	1604.6	4631	5447	3295	254.63	54.30	15.86	.00	.44
MEAN	.17	.004	1.34	51.8	165	176	110	8.21	1.81	.51	.000	.015
MAX	.52	.04	.21	148	424	675	737	.39	12	3.5	.00	.29
MIN	.00	.00	.00	9.6	59	45	28	.65	.00	.00	.00	.00
WTR YR 1983 TOTAL	15349.85		MEAN 42.1		MAX 737		MIN .00					



02176875 GREAT SWAMP NEAR RIDGELAND, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1977 to current year.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	
DEC 14...	1545	3.1	142	5.9	8.0	9.0	75	8.6	8.8	4.5	1195	340	
JAN 06...	1350	28	89	4.6	13.5	9.0	280	9.6	8.8	2.0	20	4.6	
FEB 09...	1145	73	57	4.0	13.0	7.0	90	4.2	9.9	1.5	12	2.8	
MAR 22...	1115	186	43	4.0	12.0	12.5	100	9.8	7.8	3.0	8	2.0	
APR 19...	1145	50	52	4.4	11.5	9.0	150	6.3	9.0	.5	0	2.4	
MAY 12...	1315	5.8	80	5.1	26.5	20.0	--	--	6.6	--	--	--	
JUN 22...	1640	0.7	106	5.4	26.0	23.5	210	25	2.6	2.0	24	5.9	
JUL 08...	1230	1.7	135	5.8	25.5	24.5	300	140	4.7	2.5	29	7.8	
DATE		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	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, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)
DEC 14...	84	114	.16	.94	--	--	<.010	--	<.10	.010	<.010	--	--
JAN 06...	2.1	99	.13	7.5	--	--	<.010	--	.31	.020	<.010	--	--
FEB 09...	1.2	66	.09	13.0	--	--	<.010	--	.16	.010	.010	.03	.03
MAR 22...	.8	78	.11	39.2	--	--	<.010	--	<.10	.060	<.010	--	--
APR 19...	.9	75	.10	10.1	.12	.53	.010	.03	.13	.010	.020	.06	.06
MAY 12...	--	--	--	--	--	--	<.010	--	.14	.030	.010	.03	.03
JUN 22...	2.2	115	.16	--	--	--	<.010	--	<.10	.050	.010	.03	.03
JUL 08...	2.2	125	.17	.57	--	--	--	--	--	--	--	--	--

NOTE: ">" denotes a value greater than that listed.  
"<" denotes a value less than that listed.

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.

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

DRAINAGE AREA.--207 mi<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, National Geodetic Vertical Datum of 1929. May 1907 to June 1908, nonrecording gage at site 400 ft upstream at different datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 662 ft<sup>3</sup>/s, 43.43 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,000 ft<sup>3</sup>/s Aug. 30, 1940, gage height, 13.8 ft., from rating curve extended above 4,700 ft<sup>3</sup>/s on basis of slope-area measurements at gage heights 9.9 and 13.2 ft; minimum, 88 ft<sup>3</sup>/s Oct. 8, 12, 13, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharge base of 3,400 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Dec. 5	2015	6200	5.49	Apr. 9	2400	4320	4.52
Feb. 2	1015	*7910	6.27	May 20	0600	4500	4.62

Minimum discharge, 208 ft<sup>3</sup>/s Aug. 31, Sept. 1, gage height, 1.10 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	247	259	1460	1060	729	818	1140	1080	856	808	395	324
2	243	256	1290	1090	3960	770	1770	1050	829	610	402	310
3	238	438	1110	1120	2030	744	1680	1040	809	552	338	300
4	239	757	1050	1010	1500	727	1360	1030	842	491	331	873
5	236	544	2480	944	1300	718	1340	974	810	464	361	529
6	232	428	2770	902	1330	1760	1920	942	808	462	318	501
7	241	385	1610	860	1280	1240	1540	918	770	431	398	364
8	494	364	1300	821	1180	1180	1930	911	764	412	347	299
9	363	349	1130	792	1110	1060	2990	894	733	400	336	288
10	293	336	1020	806	1080	965	3050	861	698	385	297	267
11	372	326	1040	802	1180	909	2130	847	680	372	281	299
12	344	343	1470	764	1090	868	1820	823	656	385	290	341
13	1200	672	1150	724	1040	831	1650	827	640	360	276	283
14	861	478	1010	710	1030	802	1660	1070	619	347	262	313
15	490	425	968	700	993	780	1760	895	610	369	253	278
16	397	392	2040	673	970	762	1610	1030	593	392	251	251
17	352	377	1400	658	940	934	1480	947	602	380	251	243
18	333	424	1190	642	910	1380	1440	848	662	498	251	234
19	319	534	1090	618	890	1040	1360	1640	610	461	243	223
20	313	621	1020	617	860	974	1290	3070	621	513	237	243
21	311	621	945	952	840	1710	1250	1930	585	476	228	743
22	298	784	885	1730	959	1260	1210	1640	612	397	219	509
23	286	701	847	1240	1390	1100	1340	1480	593	376	213	345
24	282	601	812	1040	1070	1080	1870	1280	561	359	250	296
25	286	527	1060	927	970	1040	1450	1180	537	352	333	271
26	305	491	1160	863	918	1010	1310	1100	513	369	282	258
27	282	471	1020	828	887	2090	1240	1040	506	342	252	248
28	269	498	1550	801	857	1770	1190	990	789	328	234	238
29	267	1710	1770	767	---	1370	1150	959	653	317	225	229
30	264	1080	1290	758	---	1230	1110	943	577	311	216	227
31	262	---	1150	738	---	1220	---	887	---	317	209	---
TOTAL	10921	16192	40107	26957	33293	34142	48040	35126	20138	13036	8779	10127
MEAN	352	540	1294	870	1189	1101	1601	1133	671	421	283	338
MAX	1200	1710	2770	1730	3960	2090	3050	3070	856	808	402	873
MIN	232	256	812	617	729	718	1110	823	506	311	209	223
CFSM	1.70	2.61	6.25	4.20	5.74	5.32	7.73	5.47	3.24	2.03	1.37	1.63
IN.	1.96	2.91	7.21	4.84	5.98	6.14	8.63	6.31	3.62	2.34	1.58	1.82
CAL YR 1982	TOTAL	251839	MEAN	690	MAX	3630	MIN	232	CFSM	3.33	IN	45.26
WTR YR 1983	TOTAL	296858	MEAN	813	MAX	3960	MIN	209	CFSM	3.93	IN	53.35

## SAVANNAH RIVER BASIN

02185200 LITTLE RIVER NEAR WALHALLA, SC

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 downstream from Oconee Creek, 3.5 mi south of Salem, and 6.5 mi northeast of Walhalla.

DRAINAGE AREA.--72.0 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Datum of gage is 807.63 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those for period of missing record June 23 to Aug. 5, which is poor.

AVERAGE DISCHARGE.--16 years, 186 ft<sup>3</sup>/s, 35.08 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,400 ft<sup>3</sup>/s June 4, 1967, gage height, 12.29 ft; minimum, 15 ft<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 and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Jan. 22	0215	1,720	4.15
May 20	0600	*1,750	*4.19

Minimum daily, 45 ft<sup>3</sup>/s Aug. 21, 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	58	389	150	165	171	269	238	197	150	66	49
2	49	57	287	176	577	160	420	232	190	130	70	57
3	47	105	232	207	301	155	367	230	186	110	70	75
4	48	258	206	176	241	152	310	228	185	125	72	194
5	48	141	473	163	220	154	308	217	178	115	74	113
6	46	114	483	154	267	479	455	209	175	100	107	126
7	48	111	275	148	245	288	364	205	177	95	86	107
8	126	112	226	142	216	358	661	213	180	94	72	88
9	84	111	173	138	190	268	855	203	168	92	65	80
10	70	102	160	143	189	232	604	197	161	90	61	78
11	79	95	183	144	228	211	446	194	156	94	60	74
12	76	102	360	137	191	198	384	190	153	92	59	80
13	382	141	217	132	172	187	354	200	148	86	57	86
14	197	98	178	129	174	180	338	312	144	82	55	107
15	123	87	173	126	161	175	333	231	142	82	53	86
16	101	81	358	123	154	171	300	267	143	82	52	76
17	86	79	224	123	150	250	286	230	148	78	56	70
18	78	89	188	121	144	347	288	206	144	77	100	68
19	74	129	176	118	144	253	276	500	147	75	57	80
20	73	131	165	118	142	243	266	1040	152	74	49	100
21	73	130	156	455	144	496	259	539	141	73	45	121
22	67	146	150	1040	218	306	255	439	137	68	52	111
23	65	131	146	392	341	261	315	388	130	68	55	96
24	64	117	143	276	237	271	415	323	120	68	50	87
25	68	103	151	227	203	274	319	282	115	90	66	83
26	70	96	146	197	181	258	289	263	110	80	71	75
27	64	91	132	193	173	730	274	242	110	70	63	73
28	63	114	183	184	171	438	263	228	120	66	62	67
29	62	386	208	182	---	336	253	223	110	65	56	65
30	60	240	162	178	---	290	242	215	160	62	47	57
31	60	---	152	168	---	290	---	203	---	60	45	---
TOTAL	2601	3755	6855	6362	5939	8582	10768	8887	4527	2693	1953	2629
MEAN	83.9	125	221	205	212	277	359	287	151	86.9	63.0	87.6
MAX	382	386	483	1040	577	730	855	1040	197	150	107	194
MIN	46	57	132	118	142	152	242	190	110	60	45	49
CFSM	1.17	1.74	3.07	2.85	2.94	3.85	4.99	3.99	2.10	1.21	.88	1.22
IN.	1.34	1.94	3.54	3.29	3.07	4.43	5.56	4.59	2.34	1.39	1.01	1.36

CAL YR 1982	TOTAL	55829	MEAN	153	MAX	2190	MIN	46	CFSM	2.13	IN	28.84
WTR YR 1983	TOTAL	65551	MEAN	180	MAX	1040	MIN	45	CFSM	2.50	IN	33.87

## 02187250 HARTWELL LAKE NEAR HARTWELL, GA

LOCATION.--Lat 34°21'25", long 82°49'20", Hart County (GA)-Anderson County (SC), Hydrologic Unit 03060103, Georgia-South Carolina State line, in right spillway elevator tower of dam on Savannah River, 0.9 mi upstream from Big Generostee Creek, 6.4 mi east of Hartwell, and at mile 305.0.

DRAINAGE AREA.--2,088 mi<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> between elevations 625.0 ft (normal limit of drawdown) and 665 ft (top of spillway gates). Dead storage below 625.0 ft, 49,400,000,000 ft<sup>3</sup>. Figures given herein represent usable contents. Elevation of spillway crest, 630.0 ft. 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 Apr. 8, 1964; minimum, 626.70 ft Oct. 16, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 663.25 ft Apr. 13; minimum, 654.76 ft Sept. 30.

Capacity table (elevation, in feet) and  
usable contents (in billions of cubic feet)  
(Computed from table prepared by Corps of Engineers)

655.0 ft	50.02 ft <sup>3</sup>
660.0 ft	61.66 ft <sup>3</sup>
665.0 ft	74.43 ft <sup>3</sup>

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	655.58	657.13	658.31	659.66	657.41	658.68	661.38	660.84	662.70	660.54	659.25	656.15
2	655.57	657.08	658.43	660.00	658.14	658.54	661.70	660.82	662.72	660.61	659.16	656.03
3	655.60	657.09	658.38	659.97	658.08	658.49	661.87	660.86	662.51	660.64	658.98	656.16
4	655.84	657.29	658.51	659.83	658.24	658.50	661.82	660.88	662.61	660.68	658.91	656.27
5	655.77	657.26	658.72	659.56	658.47	658.58	661.53	660.84	662.68	660.58	658.83	656.10
6	655.67	657.25	658.97	659.38	658.73	659.10	661.82	660.74	662.59	660.50	658.88	656.02
7	655.89	657.28	659.08	659.17	658.64	659.31	661.62	660.81	662.37	660.36	658.91	655.95
8	656.01	657.26	659.18	659.26	658.57	659.37	661.83	660.94	662.11	660.35	658.69	655.99
9	656.03	657.25	659.24	659.33	658.55	659.59	662.34	661.10	661.82	660.57	658.54	655.86
10	656.11	657.22	659.23	658.97	658.55	659.86	662.78	661.05	661.65	660.59	658.36	655.87
11	656.00	657.22	659.62	658.65	658.58	660.00	663.00	660.95	661.89	660.55	658.18	655.87
12	656.02	657.30	660.05	658.25	658.24	660.06	663.20	660.89	661.91	660.48	658.02	655.88
13	656.30	657.34	660.12	657.86	659.11	660.18	663.02	660.88	661.89	660.39	658.02	655.85
14	656.51	657.40	660.20	657.56	659.35	660.21	662.89	661.02	661.83	660.42	657.99	655.71
15	656.44	657.44	660.42	657.67	659.30	660.22	663.00	661.12	661.67	660.36	657.79	655.77
16	656.52	657.45	660.48	657.64	659.14	660.26	662.79	661.31	661.53	660.45	657.64	655.76
17	656.53	657.45	660.56	657.44	658.97	660.45	662.83	661.34	661.39	660.46	657.48	655.75
18	656.58	657.44	660.80	657.26	658.83	660.53	662.93	661.32	661.49	660.35	657.32	655.77
19	656.54	657.44	661.09	657.13	658.90	660.66	662.80	661.50	661.57	660.19	657.26	655.60
20	656.71	657.49	661.00	657.04	659.01	660.85	662.44	661.93	661.45	660.07	657.23	655.61
21	656.71	657.57	660.76	657.17	658.90	660.98	662.09	662.18	661.41	659.94	657.24	655.59
22	656.63	657.54	660.52	657.48	659.10	660.90	661.70	662.42	661.21	659.73	657.16	655.46
23	656.67	657.51	660.29	657.69	659.13	660.87	661.93	662.73	661.03	659.74	656.96	655.37
24	656.68	657.43	660.10	657.84	658.91	661.07	662.23	662.68	660.82	659.73	656.82	655.35
25	656.96	657.45	660.18	657.75	658.65	661.14	662.07	662.61	660.94	659.61	656.88	655.36
26	657.09	657.46	660.32	657.61	658.74	661.35	661.74	662.78	661.02	659.59	656.80	655.25
27	657.13	657.51	660.28	657.48	658.86	661.95	661.42	662.91	660.88	659.47	656.84	655.14
28	657.10	657.68	659.99	657.39	658.79	661.94	661.03	663.01	660.81	659.39	656.86	655.03
29	657.11	657.81	659.82	657.50	---	662.02	660.64	663.09	660.69	659.34	656.72	654.91
30	657.11	658.00	659.61	657.62	---	661.89	660.74	663.05	660.62	659.33	656.46	654.78
31	657.14	---	659.37	657.53	---	661.67	---	662.88	---	659.35	656.25	---
MAX	657.14	658.00	661.09	660.00	659.35	662.02	663.20	663.09	662.72	660.68	659.25	656.27
MIN	655.57	657.08	658.31	657.04	657.41	658.49	660.64	660.74	660.62	659.33	656.25	654.78
(+)	54.87	56.87	60.14	55.78	58.75	65.80	63.48	68.87	63.19	60.09	52.83	49.54
(*)	1,217	772	1,221	-1,628	1,228	2,632	-895	2,012	-2,191	1,157	-2,711	-1,269

CAL YR 1982 \* 1,061 MAX 662.14 MIN 643.58

WTR YR 1983 \* -66 MAX 663.20 MIN 654.78

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

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



## 02194500 CLARK HILL LAKE NEAR CLARKS HILL, SC

LOCATION.--Lat 33°39'40", long 82°12'00", Columbia County (GA)-McCormick County (SC), Hydrologic Unit 03060103, Georgia-South Carolina State Line, in left spillway elevator tower of dam on Savannah River, 1.6 mi west of Clarks Hill, 3.7 mi upstream from Kiokee Creek, and at mile 237.7.

DRAINAGE AREA.--6,150 mi<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> between elevations 305.0 ft (normal limit of drawdown) and 335.0 ft (top of spillway gates). Dead storage below 305.0 ft, 50,960,000,000 ft<sup>3</sup>. Figures given herein represent usable contents. Elevation of spillway crest, 300.0 ft. Water is used for flood control, generation of power, and navigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 336.72 ft Apr. 9, 1964; minimum, 296.48 ft Feb. 1, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 334.81 ft Apr. 11; minimum 325.20 ft Nov. 29.

Capacity table (elevation, in feet) and  
usable contents (in billions of cubic feet)  
(Computed from table prepared by Corps of Engineers)

315.0 ft	18.73 ft <sup>3</sup>
320.0 ft	30.06 ft <sup>3</sup>
325.0 ft	43.12 ft <sup>3</sup>
330.0 ft	58.37 ft <sup>3</sup>
336.0 ft	78.84 ft <sup>3</sup>

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	CCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	328.98	326.88	325.43	328.01	329.46	331.41	331.64	331.36	331.65	330.42	329.38	328.83
2	328.93	326.78	325.57	328.58	329.76	331.24	331.87	331.46	331.68	330.44	329.48	328.92
3	328.94	326.75	325.59	328.99	329.86	331.00	332.08	331.44	331.74	330.36	329.50	329.01
4	328.77	326.81	325.72	329.20	329.95	330.74	331.99	331.55	331.88	330.30	329.51	329.05
5	328.64	326.75	325.84	329.18	330.07	330.56	331.94	331.58	331.91	330.35	329.52	329.00
6	328.54	326.73	325.83	329.18	330.27	331.41	331.84	331.59	331.81	330.40	329.55	329.00
7	328.43	326.68	325.84	329.17	330.35	331.55	331.88	331.65	331.74	330.38	329.53	329.01
8	328.33	326.54	325.82	329.38	330.22	331.48	333.13	331.66	331.58	330.39	329.36	328.92
9	328.31	326.43	325.80	329.53	330.24	331.31	333.96	331.56	331.32	330.47	329.38	328.92
10	328.36	326.35	325.80	329.44	330.26	331.13	334.63	331.54	331.22	330.48	329.30	328.95
11	328.22	326.23	326.10	329.43	330.22	330.94	334.71	331.54	331.43	330.35	329.24	328.97
12	328.13	326.24	326.58	329.39	330.13	330.75	334.27	331.52	331.70	330.22	329.22	328.75
13	328.35	326.18	326.85	329.39	330.18	330.61	333.67	331.59	331.75	330.11	329.16	328.75
14	328.44	326.13	326.90	329.38	330.64	330.27	333.18	331.64	331.79	330.04	329.10	328.70
15	328.49	325.97	326.90	329.53	331.11	330.01	332.81	331.62	331.70	330.01	329.04	328.68
16	328.51	325.89	327.04	329.46	331.20	329.79	332.52	331.66	331.58	330.07	329.08	328.71
17	328.46	325.81	327.13	329.32	330.79	329.63	332.40	331.61	331.47	330.04	329.08	328.76
18	328.34	325.79	327.41	329.24	330.37	329.53	332.11	331.58	331.30	329.92	329.02	328.71
19	328.28	325.71	327.57	329.22	330.14	329.46	331.83	331.56	331.28	329.98	328.95	328.61
20	328.11	325.71	327.24	329.10	330.25	329.51	331.53	331.56	331.18	330.02	329.04	328.66
21	328.01	325.71	327.12	329.37	330.30	329.54	331.23	331.67	331.08	330.01	328.98	328.65
22	327.92	325.61	327.07	329.53	330.55	329.57	331.10	331.73	331.00	329.92	328.86	328.57
23	327.83	325.50	327.04	329.78	330.92	329.59	331.15	331.68	330.96	330.00	328.82	328.52
24	327.71	325.45	327.06	329.72	331.29	329.73	331.44	331.67	330.83	329.91	328.89	328.46
25	327.54	325.41	327.20	329.68	331.38	329.92	331.27	331.67	330.86	329.83	328.96	328.42
26	327.46	325.32	327.30	329.70	331.55	330.10	331.14	331.70	330.91	329.90	328.90	328.28
27	327.38	325.27	327.18	329.72	331.69	330.70	331.03	331.67	330.70	329.82	328.91	328.22
28	327.28	325.24	327.15	329.74	331.59	331.24	330.95	331.70	330.57	329.74	328.89	328.19
29	327.12	325.20	327.37	329.81	---	331.50	330.97	331.73	330.53	329.66	328.76	328.12
30	327.05	325.24	327.51	329.81	---	331.54	331.17	331.65	330.51	329.55	328.74	328.06
31	327.02	---	327.68	329.62	---	331.58	---	331.61	---	329.44	328.80	---
MAX	328.98	326.88	327.68	329.81	331.69	331.58	334.71	331.73	331.91	330.48	329.55	329.05
MIN	327.02	325.20	325.43	328.01	329.46	329.46	330.95	331.36	330.51	329.44	328.74	328.06
(+)	49.28	43.86	51.30	57.21	63.77	63.74	62.35	63.84	60.10	56.66	54.71	52.45
(*)	-2,360	-2,091	2,778	2,207	2,712	-11	-536	556	-1,443	1,284	-728	-872

CAL YR 1982 \* 501 MAX 332.65 MIN 323.13  
WTR YR 1983 \* -100 MAX 334.71 MIN 325.20

(+) CONTENTS, IN BILLION OF CUBIC FEET, AT END OF MONTH.  
(\*) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

## SAVANNAH RIVER BASIN

211

02196250 HORN CREEK NEAR COLLIERS, SC

LOCATION.--Lat 33°42'55", long 81°56'23", Edgefield County, Hydrologic Unit 03060107, on County Road 76 bridge 5.1 mi south of Edgefield and 3.5 mi northeast of Ropers Crossroads.

DRAINAGE AREA.--13.9 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1980 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 320 ft (from topographic map).

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, gage height 13.37 ft Apr. 8; maximum daily discharge, 321 ft<sup>3</sup>/s, Apr. 8; minimum daily discharge, 0.77 ft<sup>3</sup>/s Oct. 1.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, gage height 13.37 ft Apr. 8; maximum daily discharge, 321 ft<sup>3</sup>/s, Apr. 8; minimum daily discharge, 0.77 ft<sup>3</sup>/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.77	6.4	8.1	19	13	64	20	15	6.6	6.0	5.3	5.2
2	.87	7.1	7.0	51	137	25	19	14	6.5	5.5	7.0	6.6
3	.78	10	6.5	42	41	19	17	15	6.3	14	9.5	8.6
4	.82	18	6.2	21	23	17	15	19	6.4	21	7.2	6.0
5	.95	8.9	6.4	16	12	17	15	14	6.4	8.6	5.8	5.3
6	1.3	6.3	7.6	14	32	178	14	13	7.5	7.9	5.8	5.2
7	1.7	5.9	8.2	13	27	48	18	12	12	6.4	6.7	5.0
8	1.9	5.8	7.4	12	19	30	321	12	11	5.9	5.6	4.6
9	2.5	5.8	6.7	13	17	22	164	11	7.9	5.7	5.7	4.8
10	2.5	5.9	6.5	14	16	18	94	11	6.9	5.6	5.6	5.0
11	3.1	6.1	10	12	18	16	50	10	6.5	5.5	5.3	5.1
12	2.6	6.7	30	11	15	15	35	9.7	6.2	5.5	5.3	5.2
13	7.7	14	13	11	17	14	27	9.5	6.0	5.5	5.8	18
14	7.2	5.6	10	10	159	14	24	9.5	5.9	5.4	5.3	37
15	2.9	7.2	10	10	49	13	32	9.0	5.9	5.5	5.1	9.7
16	3.0	6.8	27	9.8	28	13	26	9.7	5.7	5.6	5.0	7.5
17	3.2	7.1	13	9.6	22	34	22	9.0	5.7	6.2	5.0	6.3
18	3.2	6.9	11	9.4	18	25	23	8.5	6.1	6.7	5.0	5.6
19	3.4	6.9	11	9.1	16	18	23	9.0	6.1	6.3	5.0	5.2
20	3.5	4.7	9.9	9.1	14	16	20	9.3	5.8	5.7	5.0	5.3
21	3.4	4.2	9.2	52	13	60	18	8.9	5.9	5.5	4.9	5.6
22	3.5	3.4	8.9	24	19	22	18	8.3	5.9	5.3	4.9	5.9
23	3.5	3.4	8.6	31	33	17	26	7.8	6.5	5.3	4.9	6.1
24	3.6	3.5	8.6	20	19	18	37	7.4	5.9	5.3	4.9	5.6
25	4.2	3.5	8.4	16	16	19	24	7.4	5.7	5.2	4.9	5.5
26	4.4	3.7	8.2	14	14	16	20	8.7	5.5	5.3	4.9	5.5
27	4.1	4.0	8.1	15	13	45	19	7.4	5.3	5.3	4.9	5.5
28	4.3	4.2	9.0	28	14	26	17	7.0	5.3	5.3	4.9	5.5
29	4.5	7.0	85	18	---	19	16	6.9	6.2	5.2	4.7	5.6
30	5.2	6.6	26	16	---	17	15	8.7	6.8	5.2	4.7	5.7
31	5.9	---	26	14	---	25	---	7.2	---	5.7	4.7	---
TOTAL	100.49	198.6	421.5	624.0	840	900	1189	314.9	196.4	203.1	169.3	217.9
MEAN	3.24	6.62	13.6	20.1	30.0	29.0	39.6	10.2	6.55	6.55	5.46	7.26
MAX	7.7	18	85	84	159	178	321	19	12	21	9.5	37
MIN	.77	3.4	6.2	9.1	13	13	14	6.9	5.3	5.2	4.7	4.8
CAL YR 1982	TOTAL	4347.69	MEAN	11.9	MAX	226	MIN	.77				
WTR YR 1983	TOTAL	5375.19	MEAN	14.7	MAX	321	MIN	.77				

## SAVANNAH RIVER BASIN

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 upstream from Butler Creek, 12.0 mi downstream from Augusta, and at mile 187.4.

DRAINAGE AREA.--7,508 mi<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 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 NGVD (levels by Southeastern Engineering Co.). Oct. 1, 1932, to Sept. 30, 1936, recording gage at Thirteenth Street bridge at datum 104.56 ft NGVD (levels by Corps of Engineers). Oct. 1, 1936, to Nov. 10, 1948, recording gage at site 0.2 mi downstream from present site and at present datum.

REMARKS.--Records good. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500) and by other powerplants above station.

AVERAGE DISCHARGE.--76 years (water years 1884-91, 1897-1906, 1926-83), 10,200 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 350,000 ft<sup>3</sup>/s Oct. 3, 1929; maximum gage height, 46.3 ft Sept. 27, 1929 (at site and datum then in use); minimum discharge, 648 ft<sup>3</sup>/s Sept. 24, 1939, from rating curve extended below 1,400 ft<sup>3</sup>/s; minimum daily, 1,040 ft<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 gage height, 40 ft, marked by local residents (at site and datum of Fifth Street gage), by conveyance-slope study.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 66,100 ft<sup>3</sup>/s Apr. 10, gage height, 23.21 ft; minimum daily, 5,080 ft<sup>3</sup>/s Dec. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6410	5530	6220	12900	13400	19300	18800	10600	7280	9560	5600	6250
2	6030	5740	6280	10500	15500	21200	17600	7270	7860	8050	5540	6260
3	6640	5790	6330	10800	19300	21100	13800	10100	8440	6320	6080	6190
4	6900	5900	6520	14300	19400	20200	12500	13100	7790	5820	6670	6150
5	6830	6050	6160	16000	14400	18700	14900	10500	7290	5670	6760	5710
6	7280	6220	6030	16100	10700	16700	16200	10200	6690	6520	6400	5890
7	7150	6010	6010	16000	12100	22700	19300	9690	7410	7080	6310	6100
8	7240	6510	5970	14300	16100	26200	22800	7040	8810	7150	5020	6140
9	7650	6440	5930	10900	15200	21600	51100	6680	10900	6900	7060	7650
10	6270	6120	6240	10000	14800	19600	64400	8190	11700	5580	5970	7060
11	6050	5960	6470	12500	14700	18300	53000	9490	8360	5150	8520	6340
12	7580	5830	6790	13800	13300	16900	41000	9220	6380	5420	9030	5800
13	9440	5800	8360	13800	10100	13800	37600	2970	6180	6530	6730	5620
14	7910	5950	11100	13800	14100	12900	35000	7740	3120	9930	5870	8320
15	6280	6010	10900	12000	29400	16600	34300	7310	11100	8530	5790	8780
16	5970	6020	10500	8980	26300	16800	31700	6700	15800	6180	6330	6940
17	5840	6050	10500	9100	22500	17500	25500	7090	14600	5900	6600	6480
18	6040	6030	8020	12500	22500	18900	25800	8400	12700	5920	6190	6440
19	6510	6070	5080	13000	19200	18800	27200	8470	7630	5930	6560	5880
20	5910	6050	6630	13300	15000	14700	27400	7760	8480	5960	8090	6230
21	6600	5890	14500	13600	12900	11500	27200	7480	13400	5960	6760	6570
22	5990	5620	13100	15000	15600	15500	26000	6670	13500	6230	5780	6730
23	6610	5820	12100	15500	16200	14500	20900	6380	13500	6700	5490	6960
24	7930	6020	11200	15100	23600	12600	17200	8710	13400	5810	7130	7020
25	6720	6130	10000	18900	22100	13000	14700	7540	11900	5790	7520	6480
26	6870	6050	7230	18200	19600	13100	18900	7490	6950	6310	6690	5770
27	6320	5900	8240	17800	14700	13300	19100	7990	6770	6540	6050	6080
28	6010	5990	9780	18300	15100	14000	19100	8060	9330	6360	5840	6310
29	6000	6000	12600	17000	---	18200	18600	7030	9770	6110	5640	5990
30	6580	5750	15000	12300	---	18100	14700	6520	9690	5620	5750	5870
31	6040	---	14700	10900	---	17800	---	7160	---	5580	5950	---
TOTAL	207600	179250	274490	427180	481800	534100	786300	255550	291730	201160	203750	194010
MEAN	6697	5975	8355	13780	17210	17230	26210	8244	9724	6489	6573	6467
MAX	9440	6510	15000	18900	29400	26200	64400	13100	15800	9930	9030	8780
MIN	5840	5530	5080	8980	10100	11500	12500	6380	6180	5150	5490	5620
WTR YR 1983	TOTAL	4036920	MEAN	11060	MAX	64400	MIN	5080				
CAL YR 1982	TOTAL	2704320	MEAN	7409	MAX	25500	MIN	4650				

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, 24.4°C Aug. 23, 29, 30, and Sept. 6; minimum, 5.9°C Jan. 23.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.4	19.6	20.0	19.3	18.7	18.9	16.3	16.1	16.2	---	---	---
2	20.4	20.1	20.3	19.6	19.2	19.4	16.6	16.2	16.4	---	---	---
3	20.9	20.1	20.5	19.8	19.6	19.7	16.8	16.5	16.7	---	---	---
4	21.0	20.0	20.5	19.9	19.1	19.7	17.3	16.8	17.1	---	---	---
5	21.6	20.7	21.1	19.1	17.6	18.4	17.4	17.0	17.2	10.5	10.2	10.4
6	21.5	20.4	21.0	17.5	16.1	16.7	17.4	16.8	17.1	10.9	10.3	10.6
7	21.3	20.4	20.9	16.0	15.5	15.7	16.8	15.7	16.3	11.0	10.5	10.8
8	21.1	20.3	20.7	16.1	15.3	15.7	15.7	15.1	15.3	11.1	10.8	11.0
9	20.6	19.8	20.3	16.4	15.7	16.0	15.1	14.9	15.0	10.8	10.3	10.6
10	21.0	20.3	20.5	17.0	16.2	16.5	15.0	14.6	14.8	10.4	10.0	10.2
11	21.2	20.8	21.1	17.3	16.7	16.9	14.7	14.0	14.3	10.9	10.0	10.5
12	21.2	20.3	20.6	17.8	17.1	17.4	14.0	13.4	13.7	10.5	9.7	10.3
13	20.5	19.7	20.2	17.9	17.6	17.7	13.4	12.4	13.0	10.1	9.6	9.8
14	21.0	20.1	20.6	17.5	16.2	16.8	12.3	11.5	11.8	10.3	9.7	10.0
15	20.8	20.3	20.6	16.2	15.5	15.7	13.6	12.1	12.7	10.4	9.8	10.1
16	20.6	19.8	20.2	15.5	15.1	15.3	14.2	13.6	13.9	10.2	9.4	9.8
17	19.8	19.5	19.6	15.5	15.0	15.2	14.1	12.9	13.5	9.5	9.1	9.3
18	19.6	18.7	19.0	15.8	15.4	15.5	12.8	11.7	12.3	9.7	9.2	9.4
19	19.1	18.6	18.8	16.3	15.8	16.0	11.7	11.5	11.6	9.3	8.9	9.1
20	19.7	18.7	19.1	16.5	16.2	16.4	11.6	10.4	11.2	8.9	8.3	8.7
21	20.3	19.5	19.9	16.7	16.4	16.6	12.7	10.3	12.0	8.3	7.7	7.9
22	20.2	19.4	19.7	17.1	16.5	16.8	12.5	11.9	12.3	8.3	7.4	7.9
23	19.4	17.8	18.6	17.3	16.9	17.1	---	---	---	7.3	5.9	6.5
24	17.7	16.5	17.0	17.2	16.8	17.0	---	---	---	7.4	6.1	6.9
25	16.6	16.3	16.5	17.0	16.3	16.5	---	---	---	8.5	7.4	8.1
26	17.2	16.3	16.8	16.3	15.3	15.6	---	---	---	8.8	8.2	8.5
27	17.9	17.0	17.4	15.4	15.2	15.4	---	---	---	8.8	8.0	8.6
28	18.2	17.7	18.0	15.9	15.4	15.6	---	---	---	8.7	8.2	8.4
29	18.2	17.9	18.1	16.3	15.9	16.1	---	---	---	8.8	8.3	8.6
30	18.4	17.7	18.1	16.3	16.0	16.2	---	---	---	9.4	8.5	9.0
31	18.8	18.3	18.5	---	---	---	---	---	---	9.6	9.3	9.4



TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.5	9.2	9.4	9.7	8.5	8.9	12.4	11.1	11.9	16.6	15.6	16.3
2	11.1	9.6	10.4	10.2	9.4	9.7	12.4	11.9	12.2	18.3	16.3	17.1
3	10.7	9.5	10.0	10.4	9.6	9.9	12.4	12.2	12.3	18.3	16.3	17.5
4	9.5	8.7	9.0	10.6	9.7	10.1	12.8	12.0	12.4	16.2	15.5	15.7
5	8.9	8.4	8.7	11.0	9.9	10.3	13.1	12.4	12.8	17.2	15.5	16.6
6	8.6	8.2	8.4	12.9	11.2	11.9	13.7	12.9	13.2	17.5	16.3	16.9
7	8.3	7.9	8.2	14.0	13.0	13.4	13.6	12.5	13.0	17.8	16.2	17.0
8	8.2	7.6	7.9	13.3	12.2	12.7	13.1	12.1	12.6	17.8	16.5	17.0
9	8.6	8.0	8.3	12.5	11.2	11.6	13.7	12.9	13.3	18.1	17.0	17.5
10	8.7	8.3	8.5	11.5	10.6	10.9	14.2	13.3	13.7	18.4	17.0	17.7
11	8.4	8.1	8.3	10.5	10.1	10.2	14.2	13.5	13.8	17.9	16.7	17.4
12	8.5	8.0	8.3	10.9	9.9	10.3	13.8	12.7	13.2	18.3	16.6	17.5
13	8.3	8.1	8.2	11.7	10.8	11.2	13.5	12.5	13.0	18.0	16.9	17.5
14	8.0	7.3	7.6	11.8	11.2	11.5	13.5	12.5	12.9	18.1	16.7	17.4
15	8.0	7.5	7.7	11.3	10.6	10.9	12.8	12.5	12.6	18.4	17.0	17.8
16	8.4	7.9	8.0	11.2	10.9	11.0	13.9	12.4	13.0	19.3	17.5	18.3
17	9.0	8.3	8.7	10.9	10.4	10.6	14.2	13.3	13.7	19.6	18.7	19.1
18	9.0	8.4	8.7	11.3	10.4	10.7	14.1	12.9	13.2	18.9	17.1	17.6
19	8.9	8.4	8.7	12.3	11.1	11.6	13.3	12.4	12.9	17.0	16.1	16.6
20	9.3	8.8	9.1	12.5	12.2	12.4	13.6	12.6	13.1	17.2	16.0	16.6
21	9.5	9.0	9.3	13.0	12.4	12.8	14.0	12.9	13.4	17.8	16.5	17.2
22	9.5	9.0	9.2	12.3	11.2	11.6	14.0	13.1	13.6	18.7	17.3	17.9
23	9.7	9.0	9.3	11.9	11.4	11.7	13.8	13.4	13.6	19.8	18.7	19.1
24	10.1	9.1	9.6	12.0	10.7	11.4	13.9	13.5	13.7	20.1	18.4	19.5
25	9.9	9.1	9.5	10.6	9.7	10.3	14.5	13.1	13.7	19.1	17.2	18.1
26	9.5	8.8	9.1	11.3	10.6	11.1	15.0	14.2	14.5	19.0	17.3	18.2
27	9.4	9.1	9.3	---	---	---	15.2	14.5	14.9	19.0	17.2	18.2
28	9.2	8.6	8.8	---	---	---	15.3	14.4	14.9	19.0	17.0	18.1
29	---	---	---	---	---	---	15.6	14.6	15.1	19.0	17.4	18.1
30	---	---	---	---	---	---	15.7	15.3	15.6	19.6	18.2	18.9
31	---	---	---	---	---	---	---	---	---	20.5	19.1	19.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	20.3	18.4	19.2	20.2	18.5	19.3	23.5	21.9	22.4	23.7	21.5	22.7
2	18.9	17.2	18.1	21.2	18.8	19.9	23.5	22.4	22.8	21.9	21.5	21.8
3	18.9	16.9	17.9	21.7	20.3	20.9	22.8	21.9	22.3	21.9	21.5	21.7
4	19.1	17.4	18.2	23.0	21.7	22.1	22.6	21.2	21.9	23.7	21.9	22.7
5	19.6	18.2	18.9	23.6	22.9	23.3	23.3	22.0	22.5	24.0	23.6	23.8
6	20.5	18.4	19.3	23.7	22.3	23.2	23.3	22.2	22.8	24.4	23.7	24.0
7	20.5	19.3	19.9	23.0	20.8	21.6	23.6	22.6	23.1	24.3	23.8	24.1
8	19.6	17.7	18.4	21.9	20.1	21.1	24.2	23.2	23.5	24.1	23.5	23.8
9	18.1	17.3	17.7	22.0	20.1	21.2	24.3	23.1	23.7	23.9	22.0	23.2
10	18.1	17.3	17.7	21.9	20.7	21.3	23.7	21.2	22.2	23.9	22.0	23.5
11	19.3	17.4	18.6	22.6	22.0	22.3	23.1	21.1	22.0	23.9	23.5	23.7
12	19.7	18.1	18.7	23.2	22.6	22.9	22.8	21.4	22.1	24.0	23.5	23.8
13	20.5	18.7	19.4	23.0	22.4	22.7	22.9	21.2	21.9	24.0	23.6	23.8
14	21.0	19.3	20.2	22.8	20.0	21.3	23.0	22.7	22.9	23.9	21.5	22.2
15	18.9	17.4	18.2	21.5	19.9	20.9	23.3	22.4	22.8	21.9	21.5	21.7
16	18.0	16.5	17.2	21.7	20.0	20.7	23.3	22.4	22.9	21.9	21.5	21.7
17	18.5	16.7	17.4	23.2	21.8	22.5	23.3	21.8	22.4	22.0	21.6	21.8
18	18.5	17.0	17.6	23.2	21.9	22.7	22.7	22.0	22.3	23.5	21.9	22.4
19	20.2	17.4	18.8	23.4	22.1	22.8	23.0	22.2	22.7	23.8	22.2	23.2
20	20.4	19.1	19.6	23.4	22.1	22.6	23.0	21.5	22.4	23.9	22.4	23.7
21	19.4	17.0	18.0	23.3	22.6	22.9	23.9	21.5	22.1	23.9	23.5	23.7
22	18.5	16.8	17.5	23.4	22.1	22.8	23.9	22.1	23.5	23.9	21.9	22.6
23	17.7	16.5	17.1	23.2	21.9	22.6	24.4	23.5	24.0	22.2	21.6	21.9
24	18.3	17.4	17.7	23.2	22.1	22.6	23.8	21.5	22.5	21.9	20.2	21.2
25	19.0	17.8	18.2	23.7	23.4	23.5	23.9	22.2	23.3	21.6	20.0	20.9
26	20.6	17.9	19.0	23.7	22.6	23.1	23.9	23.5	23.7	21.6	20.0	20.7
27	22.1	20.7	21.2	23.2	21.7	22.3	23.9	23.5	23.8	21.5	20.0	20.3
28	21.8	19.4	20.9	22.5	21.6	22.0	24.1	23.8	23.9	20.4	20.0	20.2
29	20.1	18.6	19.3	22.3	21.6	21.9	24.4	23.9	24.1	21.5	20.0	20.3
30	19.8	18.3	19.1	22.2	21.5	21.9	24.4	23.5	24.0	20.4	20.1	20.2
31	---	---	---	22.5	21.5	22.0	23.9	22.3	23.3	---	---	---
YEAR	24.4	5.9	16.7									

## SAVANNAH RIVER BASIN

215

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, SC  
(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 upstream from Johnson Fork Creek, and 4.6 mi southeast of New Ellenton.

DRAINAGE AREA.--87.0 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Altitude of gage is 120 ft (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, Dec. 13 to Jan. 3, which are poor.

AVERAGE DISCHARGE.--17 years, 107 ft<sup>3</sup>/s, 16.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 420 ft<sup>3</sup>/s Aug. 17, 1971, gage height, 8.00 ft; minimum, 49 ft<sup>3</sup>/s July 22, Aug. 19, 22, 23, 1983.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Mar. 6	1300	*331	*7.32	Aug. 24	2200	270	6.90
Apr. 8	2300	263	6.85	Sept. 1	1200	280	6.97
June 8	0200	292	7.06				

Minimum discharge, 49 ft<sup>3</sup>/s July 22, Aug. 19, 22, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	62	68	110	74	166	91	91	67	76	59	207
2	60	63	68	130	130	110	87	89	67	68	66	126
3	60	64	69	119	102	91	84	90	66	64	72	91
4	61	117	67	98	82	83	82	112	66	64	66	77
5	60	97	68	87	76	80	81	93	65	61	70	70
6	59	73	71	83	89	224	83	87	95	68	122	76
7	59	70	66	85	83	183	130	85	129	64	74	66
8	62	69	65	79	75	119	157	86	200	61	66	65
9	74	66	66	76	72	100	222	85	104	59	66	83
10	68	66	65	76	72	88	206	85	85	58	62	88
11	78	66	86	74	80	85	154	83	76	58	60	71
12	72	66	169	75	73	82	113	79	71	72	61	66
13	107	93	130	72	84	79	99	79	67	66	68	78
14	156	75	98	70	95	77	100	78	66	60	59	199
15	83	70	78	69	121	77	112	77	65	62	58	111
16	71	67	100	68	97	79	106	77	63	82	58	84
17	66	67	88	67	97	158	96	74	64	71	58	77
18	65	67	74	66	87	148	104	74	62	62	57	72
19	64	67	76	65	80	108	111	77	62	59	55	70
20	64	66	76	64	75	95	98	78	62	58	56	90
21	64	67	73	111	73	109	93	75	62	57	55	117
22	66	68	70	136	86	94	90	73	67	54	54	97
23	63	68	68	95	164	86	120	73	96	60	53	79
24	62	66	66	82	110	92	198	71	71	60	98	73
25	63	66	66	79	91	105	128	73	65	73	140	71
26	63	66	64	73	81	89	110	101	62	101	80	69
27	61	66	66	82	76	119	102	78	61	67	72	68
28	62	66	66	136	79	106	96	72	63	61	65	67
29	62	72	94	90	---	91	93	71	78	59	61	64
30	62	69	130	85	---	85	91	70	79	59	59	67
31	62	---	120	79	---	98	---	67	---	62	58	---
TOTAL	2139	2125	2531	2681	2504	3306	3437	2503	2306	2006	2108	2639
MEAN	69.0	70.8	81.6	86.5	89.4	107	115	80.7	76.9	64.7	68.0	88.0
MAX	156	117	169	136	164	224	222	112	200	101	140	207
MIN	59	62	64	64	72	77	81	67	61	54	53	64
CFSM	.79	.81	.94	.99	1.03	1.23	1.32	.93	.88	.74	.78	1.01
IN.	.91	.91	1.08	1.15	1.07	1.41	1.47	1.07	.99	.86	.90	1.13
CAL YR 1982	TOTAL	28431	MEAN 77.9	MAX 290	MIN 54	CFSM .90	IN 12.16					
WTR YR 1983	TOTAL	30285	MEAN 83.0	MAX 224	MIN 53	CFSM .95	IN 12.95					

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, SC--Continued

## WATER-QUALITY RECORDS

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)
NOV 10...	1700	70	15	5.8	15.0	1.9	766	8.0	79	100	190	3
FEB 10...	1345	81	15	5.4	12.0	--	752	9.8	92	K45	540	--
MAY 03...	1200	88	14	5.1	19.0	--	754	9.1	99	93	450	--
AUG 04...	1300	73	14	4.9	21.5	1.2	761	8.3	94	230	400	2
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 AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	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)
NOV 10...	1	.5	.4	1.6	53	.4	.3	2.0	<5.0	2.1	<.10	7.6
MAY 03...	--	--	--	--	--	--	--	--	2.0	--	--	--
AUG 04...	0	.4	.3	1.6	--	.5	<.1	2.0	1.7	2.1	<.10	7.2
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SCLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHCRUS TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)
NOV 10...	18	.02	4.6	.20	<.010	.01	.10	.010	.03	<.010	<.010	--
FEB 10...	--	--	--	.26	<.010	.01	<.10	<.010	--	<.010	.010	.03
MAY 03...	--	--	--	.15	<.010	--	<.10	<.010	--	.020	<.010	--
AUG 04...	18	.02	4.6	.19	.020	.03	.20	.030	.09	.050	<.010	--

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, SC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 10...	30	<1	94	1	1	<1	3	1	95	2	4	10

DATE	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, DIS- SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 10...	.1	10	<1	<1	<1	4	6.0	31	2	.51	37
FEB 10...	--	--	--	--	--	--	--	--	4	1.1	47
MAY 03...	--	--	--	--	--	--	--	--	2	--	78
AUG 04...	--	--	--	--	--	--	--	--	4	1.0	61

DATE	TIME	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, RADON METHOD (PCI/L)
NOV 10...	1700	3.5	<.6	1.0	<.6	1.0	<.7	.78

NOTE: "K" denotes a bacteria count outside ideal limits.  
 ">" denotes a value greater than that listed.  
 "<" denotes a value less than that listed.



## SAVANNAH RIVER BASIN

02197310 UPPER THREE RUNS ABOVE ROAD C AT SAVANNAH RIVER PLANT, SC

LOCATION.--Lat 33°17'08", long 81°41'40", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, on right bank 100 ft upstream of SRP Road C, 2.0 mi east of SRP Road 2.

DRAINAGE AREA.--176 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Altitude of gage is 125 ft (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record, Nov. 15 to Dec. 1, which are poor.

AVERAGE DISCHARGE.--9 years, 205 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 880 ft<sup>3</sup>/s Mar. 13-14, 1980, gage height, 6.10 ft; minimum daily, 113 ft<sup>3</sup>/s Aug. 25, 1978, August 23, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 641 ft<sup>3</sup>/s, Mar. 7, gage height, 5.59 ft; minimum daily, 113 ft<sup>3</sup>/s Aug. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	128	140	155	226	181	308	250	196	150	177	141	312
2	127	142	156	274	267	340	216	194	150	172	154	370
3	125	143	160	356	344	227	207	195	150	154	162	249
4	127	229	158	260	226	201	197	253	150	149	175	179
5	127	311	156	197	187	192	194	243	150	145	153	157
6	126	221	166	184	203	384	194	202	183	151	170	158
7	124	171	160	177	210	596	250	190	234	148	166	151
8	127	160	153	176	188	430	316	187	388	139	144	141
9	146	157	150	171	177	264	418	197	371	132	143	142
10	160	154	148	172	176	224	495	190	199	128	140	232
11	176	153	165	170	200	211	388	184	170	127	134	219
12	164	154	314	167	189	204	258	178	158	138	132	154
13	191	199	340	162	203	198	227	175	152	146	134	151
14	308	200	205	161	462	193	220	174	148	142	131	311
15	261	180	176	161	512	192	243	171	148	132	125	353
16	171	170	215	158	296	195	244	170	145	141	122	204
17	150	168	224	158	236	308	217	170	145	164	120	167
18	142	165	180	158	222	438	220	166	142	142	120	155
19	140	162	171	155	200	330	271	168	140	131	119	149
20	137	165	175	155	190	228	236	174	139	127	117	152
21	137	165	166	213	184	240	213	171	140	140	118	218
22	140	162	161	341	201	234	206	168	154	141	116	217
23	140	160	158	280	371	207	253	164	219	130	113	176
24	137	160	156	203	371	214	430	161	199	140	138	155
25	140	158	155	181	240	271	414	166	158	171	210	148
26	144	155	153	173	210	236	258	254	146	227	185	144
27	140	152	152	187	192	267	232	215	140	198	179	142
28	139	155	152	304	191	289	209	174	142	149	158	140
29	137	158	224	293	---	225	203	164	189	137	138	139
30	138	155	296	209	---	205	199	159	191	140	130	139
31	139	---	373	196	---	227	---	156	---	149	126	---
TOTAL	4688	5124	5873	6378	6829	8278	7878	5729	5290	4607	4413	5724
MEAN	151	171	189	206	244	267	263	185	176	149	142	191
MAX	308	311	373	356	512	596	495	254	388	227	210	370
MIN	124	140	148	155	176	192	194	156	139	127	113	139
CAL YR 1982	TOTAL	68401	MEAN 187	MAX 645	MIN 118							
WTR YR 1983	TOTAL	70811	MEAN 194	MAX 596	MIN 113							

## 02197315 UPPER THREE RUNS AT ROAD A AT SAVANNAH RIVER PLANT, SC

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 south of SRP Road 2.

DRAINAGE AREA.--203 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1974 to January 1978, October 1978 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 90 ft (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--8 years, 260 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,230 ft<sup>3</sup>/s May 29, 1976, gage height, 6.76 ft; minimum daily, 119 ft<sup>3</sup>/s m<sup>3</sup>/s) Aug. 23, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,010 ft<sup>3</sup>/s, Apr. 11, gage height, 6.36 ft; minimum daily, 119 ft<sup>3</sup>/s Aug. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	167	188	306	232	331	319	240	172	211	160	339
2	159	170	188	304	295	410	292	236	169	207	176	417
3	156	171	192	396	387	346	271	236	169	181	177	383
4	156	238	191	380	347	278	256	284	168	167	202	237
5	156	350	188	262	247	263	249	303	169	162	177	194
6	155	338	198	232	252	360	250	252	197	177	182	184
7	153	226	200	220	272	599	301	229	252	169	195	181
8	153	204	187	216	246	607	351	223	359	157	163	167
9	175	195	181	211	226	414	446	235	431	147	157	158
10	191	192	178	213	222	326	610	229	293	141	156	225
11	231	189	189	211	247	293	940	219	204	138	148	286
12	211	189	321	205	247	277	876	211	185	146	144	196
13	228	235	398	200	244	265	643	206	175	159	144	174
14	340	258	325	196	457	255	529	204	169	160	145	292
15	366	225	225	195	572	250	486	200	167	147	135	388
16	247	204	252	194	482	252	458	196	163	146	131	325
17	196	196	286	191	355	328	404	197	164	183	128	210
18	180	195	238	194	334	471	340	192	160	161	126	189
19	175	195	211	188	298	475	354	194	156	146	125	178
20	173	194	217	188	264	328	347	201	154	137	123	175
21	171	194	208	232	243	301	321	200	156	142	124	236
22	171	194	198	370	249	309	312	194	185	160	121	274
23	171	192	194	395	398	276	330	190	269	141	119	226
24	167	192	189	279	455	272	430	185	256	146	128	189
25	168	187	187	235	369	332	488	193	192	184	228	177
26	177	184	185	220	297	321	372	298	169	226	235	171
27	171	184	182	229	267	325	285	282	160	250	200	168
28	168	185	182	333	251	364	265	213	155	175	189	165
29	166	188	243	382	---	318	255	192	200	152	157	162
30	166	191	339	289	---	271	247	185	233	148	145	160
31	166	---	353	255	---	283	---	180	---	172	138	---
TOTAL	5824	6222	7013	7921	8755	10500	12027	6799	6051	5138	4878	6826
MEAN	188	207	226	256	313	339	401	219	202	166	157	228
MAX	366	350	398	396	572	607	940	303	431	250	235	417
MIN	153	167	178	188	222	250	247	180	154	137	119	158
CAL YR 1982	TOTAL	83065	MEAN 228	MAX 671	MIN 143							
WTR YR 1983	TOTAL	87954	MEAN 241	MAX 940	MIN 119							

## SAVANNAH RIVER BASIN

02197320 SAVANNAH RIVER NEAR JACKSON, SC

LOCATION.--Lat 33°13'01", long 81°46'04", Aiken County, Hydrologic Unit 03060106, on left bank 1.4 mi downstream from Upper Three Runs, 15.2 mi upstream from Steel Creek, 6.2 mi south of Jackson and at mile 156.8.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1971 to current year, discharge below 25,000 ft<sup>3</sup>/s only.

GAGE.--Water-stage recorder. Datum of gage is 77.0 ft 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. 11, 1983, gage height, 21.57 ft; minimum daily, 3,220 ft<sup>3</sup>/s Dec. 9, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined Apr. 11, gage height, 21.57 ft; minimum daily, 5,050 ft<sup>3</sup>/s Dec. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7310	5840	5700	15500	14200	18100	18900	16700	7500	10500	5660	6260
2	5970	5640	6240	13100	15500	19300	19200	11800	7700	10200	5770	6720
3	6060	5750	6070	11200	17200	20200	18600	9670	8360	7930	5810	6670
4	6630	5950	6260	13900	18900	20500	16100	12700	8540	6800	6500	6510
5	6500	6220	6160	15400	19100	20500	15600	13300	7680	6350	6810	6090
6	6940	6470	5900	16600	16700	20200	16400	11300	7370	6490	6770	5840
7	7180	6350	5840	16800	13200	20000	17600	11200	7150	7380	6460	6110
8	7190	6190	5760	16700	14900	21100	19000	9090	8840	7600	6420	6300
9	7690	6650	5730	14600	16600	---	20700	7320	10500	7660	6590	6960
10	6930	6340	5780	11500	16400	21700	90000	7800	12200	6850	8110	7750
11	6230	6090	6140	11700	16200	20900	---	9430	11600	5710	8920	7000
12	6730	5930	6600	13700	15900	20100	---	9850	7810	5550	9090	6370
13	8720	5850	7230	14600	14000	18800	---	9600	6750	6060	8090	5850
14	9560	5890	10200	14500	12000	16400	---	8960	7290	8260	6370	7020
15	7620	6060	11300	14300	17300	16500	---	7790	9730	10100	5800	9640
16	6530	6060	11100	11600	20600	17500	---	7510	13900	7640	6000	8610
17	6100	6080	10700	8610	---	18100	---	6930	15600	6410	6430	7250
18	6010	6070	9900	11200	---	18800	---	8110	15600	6320	6360	6910
19	5990	6070	6920	13200	21900	19500	---	8820	11500	6170	6310	6410
20	6220	6080	5050	13600	20800	19200	---	8510	8650	6340	7290	6080
21	5770	6020	10400	14000	18100	16800	---	8010	11700	6240	7480	6520
22	6080	5750	14000	15200	16900	15600	---	7480	14500	6390	6330	6810
23	5740	5690	13200	16100	17500	16600	---	6610	15000	6740	5620	7010
24	7140	5900	12100	16500	18900	15700	21900	7900	15200	6520	5920	7140
25	7270	6010	11100	17100	20500	14800	20100	8340	14800	5990	7390	6860
26	6650	6070	8780	18300	21100	14500	19000	8010	11300	6210	7270	6220
27	6650	5900	7110	18600	20400	14700	19400	8150	7640	6670	6570	5850
28	6190	5890	9470	18800	18200	14700	19600	8470	8890	6530	6080	6200
29	5960	5870	10600	19100	---	16400	19700	7850	10600	6320	5790	6180
30	6310	5790	14300	17900	---	18000	19300	7000	11000	5900	5640	5900
31	6250	---	15700	14300	---	18600	---	7050	---	5640	5790	---
TOTAL	208120	180470	271340	458210	---	---	---	281310	314900	215470	205440	201040
MEAN	6714	6016	8753	14780	---	---	---	9075	10500	6951	6627	6701
MAX	9560	6650	15700	19100	---	---	---	16700	15600	10500	9090	9640
MIN	5740	5640	5050	8610	---	---	---	6610	6750	5550	5620	5840
CAL YR 1982 TOTAL	2740850		MEAN 7509		MAX 20400	MIN 5050						

## SAVANNAH RIVER BASIN

221

02197320 SAVANNAH RIVER NEAR JACKSON, SC--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, 4.3°C Jan. 12, 1982.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.6°C Aug. 23, 24; minimum, 5.9°C Jan. 24.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.0	20.3	20.7	18.5	17.7	18.1	16.5	15.9	16.2	11.4	10.9	11.2
2	21.2	20.0	20.8	19.0	18.3	18.7	16.7	16.2	16.5	10.9	10.6	10.8
3	21.1	20.5	21.0	19.2	18.6	18.9	17.2	16.4	16.8	10.8	10.6	10.8
4	21.3	20.5	21.0	19.3	18.4	19.1	17.1	16.7	16.9	10.5	9.7	10.2
5	21.9	20.6	21.4	18.3	16.5	17.3	17.7	17.1	17.4	10.0	9.7	9.8
6	22.2	21.1	21.8	16.4	15.3	15.8	17.5	16.7	17.1	9.9	9.7	9.8
7	22.0	21.0	21.6	15.2	14.4	14.8	16.7	15.9	16.2	10.2	9.8	10.0
8	21.5	20.9	21.3	14.4	13.8	14.2	15.8	14.8	15.2	10.3	10.0	10.2
9	21.5	20.6	21.1	15.1	13.9	14.6	15.0	14.5	14.8	10.0	9.7	10.0
10	21.2	20.6	20.9	15.5	14.6	15.1	14.8	14.0	14.3	10.0	9.7	9.9
11	21.0	20.6	20.8	16.2	15.1	15.6	14.0	13.7	13.9	10.2	9.7	9.9
12	21.3	20.6	21.0	17.2	16.1	16.6	13.8	12.8	13.4	10.1	9.8	10.0
13	21.1	20.3	20.7	17.2	16.1	16.7	12.7	11.4	11.9	9.7	9.1	9.4
14	20.7	20.3	20.5	16.0	15.3	15.6	11.4	11.0	11.3	9.4	8.8	9.1
15	20.3	19.6	20.0	15.7	14.6	15.2	12.1	10.9	11.4	9.4	9.0	9.3
16	19.9	19.3	19.7	14.5	13.6	14.1	13.4	12.2	13.0	9.3	8.7	9.0
17	19.6	18.6	19.0	14.4	13.8	14.1	13.2	12.7	13.1	8.8	8.3	8.7
18	18.6	17.9	18.4	14.9	14.3	14.6	12.7	11.3	11.9	8.8	8.4	8.7
19	18.6	17.8	18.4	15.6	14.9	15.3	11.2	10.2	10.6	8.7	8.2	8.5
20	18.8	17.9	18.5	15.9	15.5	15.7	10.5	9.8	10.2	8.2	7.6	8.0
21	19.5	18.4	18.9	16.7	15.9	16.3	11.2	10.1	10.5	7.6	7.0	7.3
22	19.4	18.7	19.1	16.9	16.2	16.6	11.6	11.1	11.4	7.4	6.9	7.2
23	18.6	17.5	18.0	17.1	16.3	16.8	11.6	11.0	11.3	7.4	6.6	7.2
24	17.5	16.1	16.7	17.1	16.6	16.9	12.0	11.3	11.7	6.6	5.9	6.2
25	16.0	15.4	15.7	16.7	15.7	16.0	13.0	12.0	12.5	7.7	6.5	7.0
26	16.2	15.2	15.7	15.7	15.3	15.5	13.6	12.9	13.2	8.0	7.4	7.8
27	16.4	15.4	16.0	15.5	14.9	15.3	13.8	13.3	13.6	8.0	7.8	8.0
28	16.9	15.9	16.5	15.5	15.1	15.3	13.9	13.6	13.7	8.1	7.8	8.1
29	17.2	16.3	16.9	16.4	15.2	15.8	13.9	13.4	13.7	8.4	7.9	8.2
30	17.5	16.7	17.2	16.1	15.6	15.9	13.3	12.1	12.8	8.8	8.3	8.5
31	17.8	16.9	17.4	---	---	---	12.0	11.4	11.7	9.7	8.9	9.3



02197320 SAVANNAH RIVER NEAR JACKSON, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	9.9	9.3	9.7	9.0	8.5	8.8	12.1	11.6	11.9	17.0	15.6	16.5
2	10.5	9.9	10.2	10.1	9.0	9.6	12.9	11.9	12.4	18.0	17.0	17.5
3	10.6	9.7	10.4	10.7	9.7	10.3	12.8	12.4	12.6	17.9	17.1	17.5
4	9.5	9.1	9.4	11.0	10.3	10.7	13.0	12.4	12.7	17.8	16.4	17.0
5	9.0	8.2	8.5	11.7	10.8	11.2	13.6	12.6	13.0	16.3	15.4	15.9
6	8.2	7.8	8.0	13.2	11.7	12.4	14.1	12.9	13.5	17.8	16.1	16.8
7	8.3	7.7	8.0	14.3	13.3	13.8	14.1	13.5	13.8	17.6	16.5	17.0
8	8.0	7.4	7.7	14.5	14.1	14.3	13.8	13.4	13.8	17.5	17.1	17.3
9	8.0	7.4	7.7	14.3	13.7	14.1	14.1	13.4	13.7	18.9	16.8	17.7
10	8.2	8.0	8.1	13.6	11.7	12.6	14.6	14.1	14.4	18.9	16.7	17.7
11	8.2	8.0	8.2	11.6	10.3	10.8	14.9	14.1	14.6	19.0	17.2	18.3
12	8.1	7.9	8.0	10.4	9.8	10.2	14.9	14.4	14.7	18.7	17.0	18.1
13	8.0	7.3	7.8	11.1	10.3	10.7	14.8	14.2	14.5	18.8	17.7	18.3
14	7.6	7.1	7.3	11.9	11.0	11.4	14.7	14.3	14.4	19.3	17.7	18.4
15	7.8	6.8	7.4	11.8	11.1	11.3	14.3	13.2	14.0	19.1	17.8	18.6
16	8.0	7.2	7.6	11.4	10.9	11.2	13.7	12.9	13.3	19.3	17.7	18.4
17	8.8	7.9	8.4	11.2	10.9	11.0	13.4	12.2	13.0	19.1	18.1	18.5
18	9.0	8.5	8.8	11.2	10.8	11.0	13.5	12.4	13.2	18.7	17.3	17.9
19	9.1	8.6	8.9	12.3	11.1	11.7	12.9	12.4	12.6	17.7	16.8	17.3
20	9.3	8.8	9.1	13.1	12.2	12.7	12.5	12.0	12.2	18.4	16.7	17.4
21	9.7	9.2	9.5	13.3	12.7	13.1	12.9	11.8	12.5	18.3	16.7	17.4
22	9.7	9.4	9.6	12.7	11.6	12.2	13.5	12.5	13.0	19.3	17.5	18.4
23	10.0	9.3	9.6	11.7	10.9	11.4	13.9	13.1	13.4	20.0	18.3	19.1
24	10.2	9.2	9.8	11.5	10.6	11.1	13.5	13.4	13.4	20.2	19.2	19.6
25	10.5	9.9	10.2	10.7	10.1	10.4	14.0	12.4	13.4	19.7	18.6	19.2
26	9.8	9.1	9.4	11.2	9.7	10.3	15.0	13.3	14.1	20.4	18.3	19.2
27	9.0	8.8	8.9	11.6	10.9	11.3	15.5	13.8	14.7	20.0	17.9	18.7
28	8.8	8.6	8.8	12.2	11.6	11.9	15.8	14.1	15.0	19.9	18.7	19.3
29	---	---	---	12.5	11.6	12.1	16.1	14.3	15.3	20.1	18.7	19.5
30	---	---	---	12.6	11.6	12.2	16.6	15.3	16.0	20.5	18.9	19.8
31	---	---	---	12.5	12.1	12.3	---	---	---	21.5	19.9	20.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	21.4	20.3	20.8	---	---	---	23.7	22.7	23.2	25.0	23.1	23.8
2	20.8	19.4	20.2	---	---	---	23.8	22.6	23.2	23.1	22.3	22.6
3	20.1	19.0	19.5	---	---	---	23.8	23.0	23.4	22.5	21.9	22.3
4	20.5	19.1	19.8	---	---	---	23.6	22.7	23.2	22.7	21.3	22.1
5	21.4	19.7	20.6	---	---	---	23.9	22.4	23.2	22.8	22.0	22.5
6	21.0	20.1	20.5	---	---	---	24.2	22.7	23.6	24.3	22.8	23.4
7	20.5	19.7	20.1	---	---	---	24.3	23.1	23.8	24.9	24.1	24.4
8	20.3	19.3	19.9	---	---	---	24.4	23.4	24.0	24.9	22.9	24.2
9	20.1	18.8	19.5	---	---	---	24.9	23.7	24.3	24.6	23.7	24.2
10	20.0	19.1	19.7	---	---	---	24.9	23.2	24.2	24.1	22.7	23.5
11	---	---	---	---	---	---	23.3	22.5	22.9	24.0	21.6	22.4
12	---	---	---	23.9	23.4	23.6	23.6	22.4	23.0	24.3	22.0	23.1
13	---	---	---	24.1	23.6	23.9	23.5	22.6	23.1	22.7	21.1	21.7
14	---	---	---	24.1	22.7	23.5	23.5	22.2	22.9	21.6	20.3	20.8
15	---	---	---	22.5	21.2	21.9	23.5	22.9	23.3	22.3	19.1	21.5
16	---	---	---	22.5	21.2	22.0	23.7	22.7	23.2	22.1	21.0	21.6
17	---	---	---	23.0	21.3	22.1	23.9	22.7	23.4	22.3	21.3	21.8
18	---	---	---	24.0	23.0	23.5	23.6	22.5	23.1	22.7	21.2	22.2
19	---	---	---	24.2	23.1	23.8	23.8	22.6	23.2	22.8	20.1	22.3
20	---	---	---	24.5	23.2	24.0	23.7	22.7	23.4	22.6	19.7	21.3
21	---	---	---	24.4	23.3	24.0	23.7	22.6	23.2	22.9	19.6	21.4
22	---	---	---	24.8	23.8	24.3	24.5	22.7	23.4	22.7	21.3	21.8
23	---	---	---	24.6	23.5	24.2	25.6	24.2	24.8	21.4	20.4	20.9
24	---	---	---	24.4	23.0	23.8	25.6	25.0	25.3	20.7	19.6	20.2
25	---	---	---	24.2	23.4	23.8	25.0	23.0	24.0	20.2	19.2	19.8
26	---	---	---	24.5	23.9	24.2	23.7	22.4	23.0	20.0	19.2	19.7
27	---	---	---	24.2	23.2	23.8	24.3	22.8	23.4	19.9	18.9	19.5
28	---	---	---	23.8	22.5	23.1	24.6	23.9	24.2	19.9	19.3	19.7
29	---	---	---	23.4	22.4	23.0	24.8	24.3	24.6	20.0	19.4	19.8
30	---	---	---	23.2	22.3	22.6	25.1	24.3	24.7	20.3	19.5	19.9
31	---	---	---	23.1	22.4	22.8	25.1	21.2	24.2	---	---	---
YEAR	25.6	5.9	16.2									

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 downstream from Area 400-D.

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

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (from topographic map).

REMARKS.--Records good. Flow regulated by Savannah River Plant operations 1.0 mi upstream.

AVERAGE DISCHARGE.--9 years, 85.6 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 199 ft<sup>3</sup>/s May 28, 1976, gage height, 2.79 ft; minimum daily, 27 ft<sup>3</sup>/s June 29, 30, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 136 ft<sup>3</sup>/s, Apr. 6, gage height, 2.44 ft; minimum daily, 27 ft<sup>3</sup>/s June 29, 30.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	86	83	92	98	98	99	99	90	58	76	95
2	88	85	84	94	104	97	99	98	91	59	77	88
3	86	84	84	92	103	97	99	98	91	60	81	85
4	87	85	83	92	99	97	99	99	91	58	82	83
5	86	84	83	93	99	97	97	98	90	58	77	82
6	87	84	85	93	98	104	102	97	92	62	75	81
7	87	84	83	93	98	102	105	96	93	62	76	80
8	86	84	82	93	98	100	102	95	93	62	77	79
9	87	84	85	93	96	100	103	93	91	60	77	85
10	87	85	87	92	96	100	102	93	93	61	75	90
11	87	85	90	92	97	99	101	96	91	60	75	84
12	87	85	118	94	97	99	100	95	89	71	75	85
13	90	82	114	94	99	99	100	95	89	74	75	89
14	93	82	112	95	101	98	100	94	90	75	75	93
15	89	81	113	94	97	97	102	92	91	74	79	81
16	87	81	113	93	97	99	99	95	93	75	82	84
17	87	80	113	91	97	105	98	95	92	76	77	80
18	87	74	112	93	96	100	99	96	91	75	76	79
19	87	73	109	93	95	99	98	95	90	73	75	79
20	86	76	105	94	95	98	99	93	88	76	75	87
21	86	77	101	97	97	98	100	92	90	73	75	90
22	87	77	101	96	100	97	101	91	93	72	77	88
23	79	77	103	95	99	97	103	92	93	73	77	80
24	73	77	105	97	98	98	102	92	91	74	76	80
25	62	77	104	96	100	97	102	92	91	72	79	81
26	62	76	102	96	99	97	100	93	89	72	85	82
27	66	76	100	97	98	100	100	91	88	73	83	82
28	86	76	93	100	97	102	99	91	60	74	75	82
29	80	80	93	104	---	98	99	90	27	73	78	85
30	86	85	94	103	---	97	100	91	27	73	76	85
31	86	---	94	98	---	100	---	92	---	79	81	---
TOTAL	2602	2422	3028	2939	2748	3066	3009	2919	2568	2137	2401	2524
MEAN	83.9	80.7	97.7	94.8	98.1	98.9	100	94.2	85.6	68.9	77.5	84.1
MAX	93	86	118	104	104	105	105	99	93	79	85	95
MIN	62	73	82	91	95	97	97	90	27	58	75	79
CAL YR 1982	TOTAL	32962	MEAN	90.3	MAX	118	MIN	55				
WTR YR 1983	TOTAL	32363	MEAN	88.7	MAX	118	MIN	27				

02197327 BEAVERDAM CREEK AT MOUTH AT SAVANNAH RIVER PLANT, SC

LOCATION.--Lat 33°09'57", long 81°45'55", Barnwell County, Hydrologic Unit 03060106, on left bank 6.1 mi downstream from Upper Three Runs, 10.5 mi 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, 34.2°C Aug. 23, 1983; minimum, 7.0°C Jan. 24, 1983.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 34.2°C Aug. 23; minimum, 7.0°C Jan. 24.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.5	24.8	25.8	23.9	22.1	23.0	20.9	20.4	20.7	16.8	13.0	13.7
2	27.4	25.5	26.5	23.5	22.8	23.2	21.9	20.0	20.9	17.1	16.5	16.8
3	27.2	26.3	26.8	23.5	22.3	22.9	21.9	20.9	21.4	16.9	15.4	16.3
4	26.7	25.8	26.3	23.8	22.4	23.4	21.3	20.7	21.0	16.7	14.9	15.5
5	27.8	26.2	27.0	22.2	20.5	21.1	21.9	20.9	21.4	15.4	10.6	11.7
6	28.0	26.8	27.5	20.7	19.3	20.0	21.4	19.5	20.4	10.6	10.4	10.5
7	28.1	27.1	27.6	20.1	18.7	19.5	19.5	18.3	18.8	11.0	10.5	10.8
8	28.0	27.6	27.8	20.1	18.3	19.2	18.1	17.3	17.7	11.3	10.9	11.1
9	28.5	27.3	27.9	20.4	18.4	19.4	20.6	18.1	19.5	14.7	11.7	14.0
10	28.5	27.7	28.1	21.2	19.3	20.3	20.8	19.8	20.2	17.2	14.7	15.9
11	27.8	25.4	26.6	22.1	20.1	21.1	20.8	19.6	20.2	18.2	17.3	17.8
12	25.3	24.3	24.9	23.2	21.8	22.5	20.3	17.9	19.0	17.7	15.5	16.4
13	26.7	25.1	25.9	23.0	19.8	21.4	17.7	15.6	16.4	15.4	13.8	14.4
14	26.0	25.3	25.8	19.7	18.5	19.3	16.8	14.6	15.6	14.9	13.4	14.1
15	25.1	23.4	24.1	19.8	18.7	19.4	20.2	16.9	18.2	16.2	14.9	15.5
16	24.2	23.1	23.7	18.5	17.2	17.9	20.5	19.3	20.2	15.8	14.1	15.0
17	23.6	22.3	22.9	18.7	17.4	18.0	19.1	17.3	18.0	16.9	15.4	16.1
18	22.9	21.5	22.3	19.9	18.5	19.2	17.2	16.0	16.6	16.8	16.0	16.4
19	24.2	22.4	23.3	20.7	19.9	20.2	16.8	15.8	16.4	15.8	13.1	14.3
20	25.2	23.7	24.4	20.5	19.4	20.2	17.7	16.0	16.9	13.0	11.7	12.0
21	25.7	24.4	25.1	21.5	20.0	20.7	17.9	16.9	17.5	12.0	11.6	11.8
22	25.3	23.2	24.3	21.8	20.6	21.1	17.4	16.0	16.8	12.7	8.7	10.9
23	23.1	21.2	22.2	22.1	20.5	21.3	18.8	16.2	17.4	8.8	7.8	8.5
24	21.0	19.8	20.4	22.1	21.1	21.5	21.4	18.4	19.8	7.8	7.0	7.3
25	20.9	19.8	20.4	21.1	19.8	20.2	23.3	21.4	22.4	8.3	7.4	7.8
26	21.2	20.2	20.7	20.3	19.8	20.1	23.8	22.1	23.0	8.8	8.4	8.5
27	20.3	18.8	19.7	21.1	20.1	20.6	24.4	22.8	23.6	9.0	8.8	8.9
28	20.3	18.4	19.5	20.8	20.3	20.5	25.3	23.8	24.5	9.0	8.9	9.0
29	21.5	18.9	20.0	21.7	20.4	21.1	24.8	22.2	23.7	9.2	9.0	9.1
30	21.5	19.8	20.7	20.6	19.8	20.3	22.1	14.2	17.8	9.5	9.2	9.4
31	22.3	20.6	21.5	---	---	---	14.1	12.4	13.0	14.4	9.8	12.0

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	16.3	14.5	15.1	9.4	9.0	9.2	12.5	12.0	12.3	21.2	16.9	18.2
2	16.5	11.9	14.2	10.3	9.3	9.8	13.1	12.2	12.6	25.1	21.2	23.1
3	11.8	11.2	11.6	10.8	10.1	10.5	13.0	12.7	12.9	25.9	24.5	25.1
4	11.1	10.3	10.6	11.1	10.5	10.8	18.1	12.9	14.8	24.8	23.7	24.4
5	10.3	9.8	9.9	11.7	11.0	11.3	18.2	14.1	15.5	24.9	22.5	23.8
6	10.0	9.5	9.7	13.1	11.7	12.3	14.9	13.6	14.1	25.6	23.2	24.4
7	13.0	10.1	11.4	14.4	13.1	13.7	14.9	14.1	14.4	26.0	23.5	24.7
8	13.0	9.8	11.6	14.5	14.3	14.4	14.1	13.6	13.9	25.5	24.7	25.1
9	9.8	9.3	9.5	14.3	13.8	14.1	14.2	13.5	13.8	26.5	24.6	25.4
10	9.5	9.4	9.5	13.8	12.1	12.9	15.0	14.2	14.7	26.2	25.0	25.6
11	9.6	9.5	9.6	12.0	10.7	11.2	15.1	14.6	14.9	25.8	24.7	25.3
12	11.5	9.6	10.0	10.8	10.2	10.6	15.2	14.7	15.0	26.0	24.9	25.4
13	12.4	11.6	12.1	11.5	10.7	11.0	15.0	14.6	14.9	26.0	25.4	25.7
14	13.2	11.5	12.1	14.2	11.0	12.1	14.9	14.7	14.8	26.3	25.6	25.9
15	13.5	9.8	10.9	14.3	11.7	12.2	14.7	14.1	14.5	26.3	25.9	26.1
16	9.8	8.3	9.1	11.8	11.4	11.6	14.1	13.5	13.7	26.2	26.0	26.1
17	9.1	8.4	8.7	11.7	11.3	11.4	13.9	13.2	13.6	26.2	25.8	26.0
18	9.4	9.0	9.2	11.4	11.1	11.2	13.9	13.5	13.9	25.8	25.1	25.4
19	9.4	9.0	9.2	12.4	11.3	11.8	13.5	13.0	13.2	25.3	24.9	25.1
20	9.7	9.2	9.4	13.3	12.4	12.8	13.2	12.7	13.0	25.9	25.2	25.5
21	10.1	9.5	9.8	14.5	13.3	13.8	13.6	12.8	13.2	26.6	25.9	26.1
22	10.1	9.9	10.0	14.5	12.3	13.8	14.1	13.3	13.7	27.2	26.5	26.8
23	10.2	9.8	10.0	12.2	11.4	11.8	14.3	13.9	14.1	28.4	27.2	27.7
24	10.4	9.7	10.1	14.6	12.0	13.4	14.3	14.2	14.3	28.4	27.5	27.9
25	10.6	10.1	10.3	16.4	12.7	14.2	14.5	14.0	14.3	27.8	27.0	27.4
26	10.2	9.6	9.8	17.9	15.2	16.4	15.3	14.1	14.7	27.4	26.8	27.1
27	9.5	9.2	9.3	19.1	17.3	18.0	15.9	15.0	15.4	27.4	26.6	27.0
28	9.3	9.3	9.3	20.0	17.9	18.9	16.1	15.4	15.8	27.0	26.3	26.7
29	---	---	---	18.3	12.1	13.2	16.4	15.6	16.0	27.3	26.6	27.0
30	---	---	---	13.0	12.1	12.6	16.8	16.0	16.4	28.1	26.9	27.3
31	---	---	---	13.0	12.5	12.7	---	---	---	28.0	27.5	27.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	28.0	27.2	27.5	25.1	22.6	23.7	32.3	30.7	31.4	32.3	28.8	29.6
2	27.2	26.3	26.8	26.4	25.2	25.7	31.3	30.1	30.5	29.5	29.3	29.4
3	27.5	26.5	27.0	27.5	26.5	26.9	31.5	29.8	30.5	30.6	29.1	29.9
4	28.2	27.5	27.7	28.6	27.4	27.8	32.4	29.8	31.0	32.0	30.2	31.1
5	28.5	27.8	28.2	30.1	28.4	29.1	32.6	32.6	32.6	32.7	31.0	31.8
6	28.5	28.0	28.3	30.9	29.0	29.9	---	---	---	32.5	30.9	31.7
7	28.5	27.9	28.3	30.4	29.4	30.0	---	---	---	32.5	30.9	31.8
8	27.8	27.2	27.4	30.1	29.0	29.6	---	---	---	32.5	31.1	31.9
9	27.4	27.1	27.3	29.9	28.0	29.0	---	---	---	32.9	31.5	32.1
10	27.4	26.8	27.1	31.4	29.2	30.1	---	---	---	32.5	30.8	31.6
11	27.1	26.6	26.9	32.8	30.6	31.7	---	---	---	32.1	31.4	31.7
12	26.9	26.4	26.7	32.9	31.4	32.2	---	---	---	32.0	30.4	31.2
13	27.7	26.8	27.2	33.3	31.5	32.5	---	---	---	30.9	29.3	30.1
14	27.8	27.0	27.4	33.5	32.0	32.8	---	---	---	29.3	27.8	28.7
15	28.3	27.5	27.8	33.1	31.9	32.6	---	---	---	28.3	26.5	27.5
16	28.4	23.4	26.6	32.6	30.8	31.5	---	---	---	28.9	27.2	28.1
17	23.2	21.7	22.2	32.6	30.8	31.7	31.3	29.7	30.8	29.8	27.6	28.8
18	21.8	20.9	21.4	33.0	31.5	32.3	32.2	30.2	31.2	30.7	28.9	29.9
19	25.9	22.1	24.2	33.4	31.9	32.6	32.9	30.9	32.0	30.7	29.3	30.1
20	26.5	25.9	26.1	33.0	31.7	32.4	33.6	31.8	32.7	30.5	29.6	30.2
21	26.6	24.7	26.3	31.9	30.5	31.2	34.0	32.0	33.1	30.1	28.8	29.6
22	24.5	21.4	22.8	31.8	30.5	31.2	33.9	32.1	33.1	28.5	26.0	26.8
23	21.4	20.7	21.1	32.4	30.8	31.6	34.2	32.6	33.5	26.5	24.6	25.7
24	20.7	20.3	20.5	33.5	32.0	32.5	33.7	32.6	33.2	26.0	24.8	25.5
25	21.0	20.3	20.7	32.1	30.6	31.2	32.5	31.8	32.2	25.3	23.9	24.7
26	24.5	21.2	23.1	32.0	30.3	31.1	31.8	31.0	31.4	26.0	24.1	25.1
27	25.6	24.5	24.9	32.3	30.7	31.5	32.7	30.8	31.8	26.3	24.3	25.3
28	26.2	25.6	25.9	31.7	30.2	31.1	33.6	31.9	32.7	26.5	25.0	25.8
29	25.5	23.7	24.6	31.9	30.3	31.2	33.5	31.9	32.7	25.9	25.0	25.6
30	23.6	22.7	23.0	31.2	30.1	30.8	33.1	31.9	32.6	25.9	24.5	25.0
31	---	---	---	32.1	30.2	31.1	33.0	31.6	32.4	---	---	---
YEAR	34.2	7.0	21.2									



02197328 FOUR MILE CREEK NEAR JACKSON, SC

LOCATION.--Lat 33°08'52", long 81°45'01", Barnwell County, Hydrologic Unit 03060106, on left bank 7.6 mi downstream from Upper Three Runs 9.0 mi 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, 46.8°C Aug. 22, 1983; minimum, 4.1°C Dec. 21, 1981.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 46.8°C Aug. 22; minimum, 8.7°C Jan. 25, 26.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	36.4	33.9	35.2	22.0	19.6	20.4	18.9	16.9	17.8	13.8	13.6	13.7
2	37.5	34.2	35.8	22.6	20.6	21.4	19.3	17.4	18.3	20.5	13.8	18.3
3	37.3	35.0	36.2	22.4	20.6	21.3	20.0	17.8	19.0	17.5	14.6	15.8
4	36.7	35.0	36.0	21.9	19.4	21.2	19.5	18.0	18.7	20.0	12.5	15.0
5	38.1	35.6	36.7	19.0	15.1	16.3	20.0	18.5	19.2	12.5	11.9	12.2
6	38.1	35.9	37.0	15.5	13.0	13.8	24.7	18.1	20.1	11.9	11.6	11.7
7	37.8	36.0	37.0	14.2	12.3	13.2	24.6	17.0	20.0	12.2	11.6	12.0
8	37.2	36.5	36.9	14.6	12.4	13.3	26.4	22.8	24.8	12.5	11.8	12.1
9	38.2	36.0	37.0	15.3	12.8	13.7	31.9	26.5	29.8	18.0	12.6	14.6
10	37.9	36.6	37.2	15.8	14.1	14.8	31.2	29.6	30.2	19.1	15.0	15.9
11	36.5	25.2	30.5	17.3	14.7	15.7	30.8	30.2	30.4	15.2	12.9	14.0
12	30.9	23.3	26.0	20.0	17.1	18.0	30.4	27.7	28.7	12.9	12.2	12.6
13	34.7	31.1	33.0	20.0	16.3	17.9	28.0	26.2	27.1	12.1	11.7	11.9
14	34.6	33.1	33.9	15.9	12.8	14.0	27.9	17.7	25.3	11.8	11.6	11.7
15	34.0	31.5	32.8	15.1	13.9	14.5	17.3	16.6	16.9	12.6	11.7	12.1
16	34.4	32.0	33.1	14.4	11.9	13.0	21.7	17.2	18.8	21.3	12.7	14.8
17	33.5	31.3	32.5	14.7	12.9	13.6	28.3	22.6	27.1	27.3	22.4	25.4
18	33.6	31.1	32.3	15.6	14.7	15.0	29.9	27.4	28.7	27.2	15.0	21.6
19	34.9	32.0	33.4	17.2	15.4	16.1	29.6	28.3	29.0	16.0	12.5	14.0
20	36.2	33.5	34.7	16.9	15.6	16.2	29.6	28.0	29.0	16.0	12.2	13.8
21	36.0	34.1	35.2	18.9	16.6	17.5	29.3	15.2	23.5	12.8	11.6	12.2
22	35.3	31.8	33.4	18.7	17.1	18.0	15.1	14.3	14.5	11.5	10.5	10.9
23	31.8	30.0	30.9	19.2	16.9	18.0	14.4	14.1	14.3	10.4	9.7	10.2
24	29.9	28.9	29.3	18.9	17.5	18.1	14.9	14.3	14.6	9.7	8.8	9.1
25	31.2	29.0	30.0	17.7	14.2	15.3	16.9	14.9	15.8	9.4	8.7	9.0
26	31.1	20.6	23.7	15.1	14.3	14.6	33.4	17.1	27.6	9.0	8.7	8.8
27	20.2	16.4	18.2	17.7	15.0	15.9	33.9	32.6	33.3	9.1	8.9	9.0
28	18.8	16.0	17.6	17.6	16.3	16.8	33.6	24.8	29.6	9.1	9.0	9.1
29	19.0	15.9	17.5	19.2	16.3	17.6	30.5	18.5	25.0	9.3	9.0	9.1
30	19.3	16.7	18.0	18.6	16.1	17.0	18.2	14.8	16.1	9.7	9.2	9.4
31	20.2	17.6	18.8	---	---	---	14.8	13.8	14.2	16.5	9.7	11.6

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	15.7	12.4	13.1	10.0	9.8	9.9	13.1	12.8	12.9	16.5	15.9	16.2
2	12.5	12.0	12.3	10.4	9.9	10.0	13.1	12.8	12.9	23.1	16.6	19.1
3	12.0	11.2	11.7	10.8	10.4	10.6	13.2	13.1	13.1	27.2	23.4	25.6
4	11.1	10.2	10.6	11.2	10.8	11.0	14.2	13.1	13.4	27.2	22.1	25.2
5	10.2	9.6	9.8	11.6	11.2	11.3	15.3	14.2	14.8	21.9	20.3	20.8
6	9.6	9.1	9.3	12.3	11.6	11.9	14.7	14.4	14.5	22.4	20.3	21.4
7	13.2	9.4	10.9	13.4	12.4	12.9	14.7	14.4	14.6	22.8	22.4	22.6
8	---	---	---	13.9	13.4	13.7	14.4	14.1	14.2	28.9	22.8	26.4
9	---	---	---	13.9	13.8	13.9	14.1	14.0	14.0	30.5	28.9	29.6
10	---	---	---	13.9	13.1	13.5	14.6	14.1	14.3	31.3	30.1	30.5
11	---	---	---	13.1	12.0	12.5	14.7	14.6	14.6	31.6	30.8	31.3
12	---	---	---	12.0	11.5	11.7	14.8	14.7	14.8	31.8	30.8	31.5
13	---	---	---	11.7	11.4	11.5	14.9	14.8	14.8	32.8	31.1	31.9
14	---	---	---	12.1	11.2	11.7	14.9	14.8	14.8	33.4	32.5	32.8
15	---	---	---	12.2	12.0	12.1	14.8	14.6	14.8	33.4	32.7	33.0
16	---	---	---	12.2	12.0	12.1	14.6	14.2	14.4	33.3	32.8	33.1
17	---	---	---	12.1	11.9	12.0	14.2	13.9	14.0	33.2	32.1	32.7
18	9.9	9.7	9.8	11.9	11.8	11.8	14.0	14.0	14.0	32.6	32.0	32.3
19	9.9	9.7	9.8	12.2	11.8	11.9	14.0	13.7	13.8	32.6	32.0	32.3
20	10.0	9.8	9.9	12.8	12.2	12.5	13.7	13.4	13.5	33.5	32.6	32.9
21	10.5	10.0	10.2	13.2	12.8	13.1	13.6	13.4	13.5	34.4	33.3	33.6
22	10.5	10.4	10.5	14.2	13.1	13.5	13.8	13.5	13.7	34.5	33.8	34.2
23	10.5	10.4	10.4	14.1	13.0	13.5	14.1	13.8	14.0	35.3	34.0	34.4
24	10.6	10.3	10.5	13.9	13.5	13.8	14.2	14.1	14.2	35.8	34.6	35.2
25	10.8	10.5	10.6	15.1	13.9	14.5	14.3	14.1	14.2	35.7	34.5	35.1
26	10.7	10.3	10.5	14.3	13.7	14.0	14.6	14.2	14.4	35.6	34.1	34.8
27	10.3	10.0	10.1	14.1	13.8	14.0	15.0	14.6	14.8	35.4	34.1	34.8
28	10.0	9.9	9.9	14.5	14.1	14.2	15.4	15.1	15.2	35.9	34.2	35.0
29	---	---	---	14.4	13.7	14.1	15.6	15.4	15.5	35.8	34.6	35.2
30	---	---	---	13.8	13.2	13.4	15.9	15.6	15.7	36.4	34.7	35.4
31	---	---	---	13.3	13.1	13.2	---	---	---	37.5	35.3	36.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	36.9	35.1	35.9	26.3	22.6	24.5	40.1	37.7	38.7	39.9	35.5	36.7
2	37.1	34.3	35.6	27.2	23.7	25.4	38.4	36.9	37.6	36.5	35.7	36.1
3	37.4	34.9	36.2	30.0	24.3	26.6	39.3	36.8	37.8	38.9	36.3	37.3
4	37.8	35.9	36.7	33.1	28.7	30.7	40.7	37.3	38.8	39.7	37.6	38.6
5	37.3	35.9	36.4	34.0	27.3	30.0	41.0	38.3	39.6	40.5	38.1	39.1
6	---	---	---	38.0	33.2	35.2	40.7	38.4	39.5	40.0	37.7	38.9
7	---	---	---	38.0	35.8	36.9	40.8	38.0	39.3	39.8	37.6	38.8
8	---	---	---	38.6	36.0	37.2	38.6	31.7	33.4	40.2	37.7	39.0
9	---	---	---	39.3	35.7	37.4	32.1	29.5	30.7	39.9	38.4	39.2
10	24.2	22.7	23.5	40.1	36.7	38.3	31.4	29.3	30.5	40.5	37.9	39.0
11	25.0	22.5	22.9	40.8	37.7	39.2	31.1	29.1	30.2	39.7	38.3	39.1
12	36.6	26.2	33.4	40.1	37.7	39.0	29.9	26.6	28.1	39.7	37.5	38.6
13	37.8	34.7	36.1	41.0	38.2	39.5	37.8	30.2	34.6	38.4	36.5	37.3
14	38.2	34.8	36.5	41.0	36.2	39.2	37.9	35.5	36.8	36.5	35.0	36.0
15	37.8	27.0	34.2	35.7	30.3	32.1	38.5	35.6	37.0	36.7	34.1	35.3
16	26.5	21.2	23.4	39.2	35.7	37.7	39.3	36.2	37.7	37.8	35.3	36.4
17	21.1	20.1	20.4	40.8	37.6	39.0	39.6	36.8	38.2	38.5	35.6	37.0
18	20.6	19.8	20.2	40.9	38.3	39.6	40.6	37.7	39.1	39.1	36.5	37.8
19	28.6	20.6	23.4	41.1	38.5	39.7	41.2	38.1	39.6	38.6	36.7	37.8
20	28.5	25.3	26.5	40.2	33.0	37.1	41.4	38.9	40.2	38.0	37.2	37.6
21	27.6	22.1	25.2	32.4	28.3	30.3	41.8	39.2	40.5	37.3	36.2	36.7
22	22.0	19.8	20.7	31.5	27.7	29.7	46.8	39.2	40.7	35.9	33.6	34.8
23	20.0	19.5	19.8	38.8	31.6	35.8	41.9	39.4	40.6	35.9	33.2	34.5
24	19.7	19.4	19.5	39.4	32.8	37.3	40.9	39.2	40.1	35.7	33.4	34.6
25	20.2	19.6	20.0	33.3	28.2	30.4	39.7	38.3	39.0	35.3	33.3	34.3
26	26.9	20.3	23.6	39.1	33.6	36.5	39.8	38.1	38.9	35.2	33.1	34.2
27	27.5	25.7	26.6	39.7	37.0	38.2	41.1	38.2	39.5	35.5	33.1	34.3
28	27.5	25.7	26.5	39.4	36.8	38.1	41.3	39.0	40.1	35.0	33.6	34.3
29	27.2	23.7	25.5	39.4	37.1	38.3	41.2	38.9	40.0	---	---	---
30	25.0	23.1	24.2	38.9	37.1	38.1	40.6	38.8	39.8	---	---	---
31	---	---	---	40.1	37.3	38.6	40.7	38.5	39.6	---	---	---
YEAR	46.8	8.7	24.4									

## SAVANNAH RIVER BASIN

02197330 SITE NO. 1 AT SAVANNAH RIVER PLANT, SC

LOCATION.--Lat 33°17'00", long 81°39'00", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, at pipe culvert 100 ft above Road E, 2,000 ft southwest of H Area.

DRAINAGE AREA.--0.13 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Altitude of gage is 260 ft (from topographic map).

REMARKS.--Records good, except those for periods when discharge was over 25 ft<sup>3</sup>/s which are undefined, and for periods of no gage-height record, Dec. 24 to Jan. 26, Feb. 8 to Mar. 2, which are poor. Flow completely regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--11 years, 1.42 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, Jan. 19, 1978, gage height, 7.82 ft; minimum daily, 0.07 ft<sup>3</sup>/s Sept. 6, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, Sept. 1, gage height, 3.39 ft; minimum daily, 0.39 ft<sup>3</sup>/s June 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	.89	1.6	1.4	1.4	2.0	1.0	.74	1.4	.96	1.2	3.0
2	1.3	.59	1.3	1.6	2.9	1.9	.73	.80	1.3	.81	1.6	.73
3	1.4	1.3	1.6	1.6	.93	1.6	1.2	1.3	1.1	1.2	1.1	1.1
4	1.4	2.8	1.3	1.1	.93	.68	1.1	1.2	1.0	1.2	1.7	1.1
5	1.5	.73	.90	1.1	.78	.58	1.3	1.1	1.2	1.4	1.2	.94
6	1.5	1.6	1.8	1.3	.54	2.2	1.5	1.0	1.2	1.1	.89	1.3
7	1.5	1.1	1.6	1.4	.63	1.3	1.4	1.1	2.1	.98	1.3	1.1
8	1.8	1.0	1.3	1.5	.69	1.0	2.0	.69	1.0	1.1	1.7	.66
9	1.4	1.1	1.3	1.5	.70	.93	3.2	1.2	1.3	.85	1.1	1.1
10	1.7	.86	.99	1.4	1.2	.93	1.5	.93	1.0	.97	1.3	.97
11	1.6	.86	1.6	1.4	1.2	1.1	1.2	1.0	1.2	1.3	1.1	.77
12	1.7	.80	1.8	1.3	1.2	.84	1.1	.91	1.3	.95	1.0	1.3
13	2.6	.90	1.2	1.2	2.0	.85	1.3	1.3	1.2	1.2	1.2	1.6
14	1.7	1.1	1.4	1.3	2.2	.87	1.2	1.0	1.3	.91	1.2	1.6
15	1.6	.77	1.7	1.3	1.2	1.1	1.4	1.2	.94	1.0	1.1	1.3
16	1.5	1.1	2.3	1.2	1.0	1.1	.98	.99	1.3	.89	1.4	1.4
17	1.5	1.2	1.3	1.2	1.0	2.9	.82	1.0	1.2	.88	1.1	1.4
18	2.0	1.3	1.3	1.2	1.0	1.4	1.2	1.3	1.3	.79	1.0	1.3
19	1.7	.94	1.4	1.1	.90	.97	1.0	1.3	1.0	1.3	.81	1.2
20	1.4	.91	1.2	1.2	.90	1.0	1.2	1.3	1.0	.93	.99	1.5
21	1.4	1.0	1.4	1.7	.90	1.1	.80	1.3	1.3	.95	.97	1.5
22	1.6	1.2	1.5	1.3	1.1	.91	1.3	1.0	2.2	1.1	1.0	1.4
23	1.5	1.2	1.2	1.3	1.2	1.3	2.8	1.2	1.4	1.0	1.0	1.3
24	1.0	1.4	1.2	1.2	1.0	1.8	1.4	1.3	.99	1.1	1.0	1.5
25	1.3	1.4	1.2	1.2	.90	1.4	1.0	1.5	.39	1.0	1.0	1.3
26	1.2	1.3	1.2	1.5	.90	.96	1.2	1.3	.45	1.0	1.8	1.3
27	1.5	1.4	1.2	2.2	.90	2.0	1.4	1.3	1.0	1.3	.97	1.2
28	.76	1.4	1.3	1.2	1.9	1.1	1.4	.91	1.0	1.3	.77	1.2
29	1.1	1.8	2.2	.75	---	1.3	1.1	1.1	1.1	1.3	.86	1.5
30	.85	1.4	2.0	.76	---	1.1	.92	1.0	1.4	1.4	1.3	1.5
31	.87	---	1.9	.93	---	1.5	---	1.3	---	1.2	.99	---
TOTAL	45.38	35.35	45.19	40.34	32.10	39.72	39.65	34.57	35.57	33.37	35.65	39.07
MEAN	1.46	1.18	1.46	1.30	1.15	1.28	1.32	1.12	1.19	1.08	1.15	1.30
MAX	2.6	2.8	2.3	2.2	2.9	2.9	3.2	1.5	2.2	1.4	1.8	3.0
MIN	.76	.59	.90	.75	.54	.58	.73	.69	.39	.79	.77	.66
CAL YR 1982	TOTAL 485.66	MEAN 1.33	MAX 3.2	MIN .59								
WTR YR 1983	TOTAL 455.96	MEAN 1.25	MAX 3.2	MIN .39								

## SAVANNAH RIVER BASIN

229

02197332 SITE NO. 2 AT SAVANNAH RIVER PLANT, SC

LOCATION.--Lat 33°16'50", long 81°39'00", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, on woods road 300 ft south of SRP Road E and 2,700 ft southwest of H Area.

DRAINAGE AREA.--0.30 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Altitude of gage is 250 ft (from topographic map).

REMARKS.--Records good, except those for periods when discharge was over 16 ft<sup>3</sup>/s, which are undefined, and those for periods of no gage-height record Oct. 1-4, which are poor. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--11 years, 1.67 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, July 27, 1974, gage height, 9.61 ft; minimum daily, 0.24 ft<sup>3</sup>/s Dec. 2, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, Sept 1, gage height, 6.38 ft; minimum daily, 1.2 ft<sup>3</sup>/s June 25, 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	1.8	2.9	2.5	2.8	4.1	2.8	2.6	2.0	1.8	3.1	7.2
2	2.1	1.8	2.5	4.1	4.8	3.2	2.7	2.7	2.0	1.8	2.8	3.2
3	2.9	1.9	2.3	3.5	3.3	3.2	2.6	3.1	2.3	1.8	2.7	2.2
4	3.0	4.2	2.4	3.3	3.4	2.9	3.3	3.0	2.2	1.8	2.4	2.1
5	2.4	2.2	2.4	3.2	3.1	2.8	2.9	2.5	2.2	2.8	2.9	2.0
6	2.2	2.0	2.2	2.9	3.4	5.7	2.8	3.3	2.3	2.3	3.1	2.1
7	2.2	1.7	2.0	2.6	3.0	3.6	2.8	2.7	3.0	2.2	2.5	2.6
8	1.8	1.7	2.3	2.5	2.6	2.9	3.4	3.1	2.9	2.0	2.6	2.5
9	2.0	1.7	2.4	2.6	2.7	2.9	4.1	3.0	2.2	1.8	2.5	2.3
10	2.0	1.8	2.2	2.9	2.8	2.8	2.9	2.5	2.3	1.7	2.6	2.2
11	2.0	2.0	3.0	2.9	3.1	2.8	2.4	2.5	2.1	1.8	2.7	2.1
12	2.0	2.0	3.5	2.9	3.0	2.5	2.3	2.5	2.0	1.8	2.9	2.2
13	2.9	2.6	2.9	3.1	4.3	2.6	2.4	2.2	1.8	1.7	2.6	3.3
14	2.9	2.1	3.3	3.1	5.8	2.4	2.4	2.2	1.8	1.8	2.2	3.3
15	2.1	2.1	2.9	3.1	2.9	2.5	2.8	2.1	1.8	1.8	2.2	2.0
16	2.0	2.0	3.7	2.7	2.8	2.3	2.3	2.3	1.6	1.8	2.2	1.7
17	1.8	2.0	2.9	2.7	3.0	4.7	2.1	2.0	1.8	1.8	1.9	1.9
18	1.9	2.7	2.8	2.8	2.9	3.2	2.5	2.0	1.8	1.7	2.2	1.7
19	1.9	2.8	2.7	3.1	2.8	2.7	2.4	2.1	1.7	1.8	2.2	1.8
20	1.8	2.9	2.5	3.3	2.6	2.4	2.0	1.9	1.7	1.9	2.4	2.4
21	2.0	2.9	2.3	5.1	2.4	2.8	2.0	2.0	1.6	1.9	2.3	2.5
22	2.0	2.7	2.4	3.6	3.3	2.5	2.3	2.0	2.5	1.8	2.4	2.1
23	1.8	3.2	2.5	3.1	3.3	2.6	3.9	2.4	2.3	2.0	2.2	2.1
24	2.0	3.3	2.5	2.8	2.8	4.4	3.7	2.5	1.6	2.1	2.5	1.9
25	2.2	3.1	2.2	2.8	2.6	3.5	2.9	2.9	1.2	2.2	2.5	2.0
26	2.4	2.8	2.1	2.9	2.5	3.0	3.1	3.2	1.2	1.9	2.7	2.0
27	2.2	2.6	2.2	3.8	2.7	3.7	3.1	2.6	1.8	1.7	2.6	2.1
28	1.9	2.9	2.2	3.6	3.7	2.8	3.2	2.3	2.0	2.0	2.4	2.2
29	1.7	2.8	3.4	3.1	---	3.1	2.5	2.0	2.0	1.9	2.4	2.1
30	2.0	3.3	2.8	3.1	---	2.8	2.9	2.0	2.1	2.4	2.3	2.1
31	1.9	---	2.8	2.9	---	3.3	---	2.0	---	2.7	2.1	---
TOTAL	65.8	73.6	81.2	96.6	88.4	96.7	83.5	76.2	59.8	60.5	77.1	71.9
MEAN	2.12	2.45	2.62	3.12	3.16	3.12	2.78	2.46	1.99	1.95	2.49	2.40
MAX	3.0	4.2	3.7	5.1	5.8	5.7	4.1	3.3	3.0	2.8	3.1	7.2
MIN	1.7	1.7	2.0	2.5	2.4	2.3	2.0	1.9	1.2	1.7	1.9	1.7

CAL YR 1982 TOTAL 761.01 MEAN 2.08 MAX 10 MIN .93  
WTR YR 1983 TOTAL 931.30 MEAN 2.55 MAX 7.2 MIN 1.2



## SAVANNAH RIVER BASIN

02197334 SITE NO. 3 AT SAVANNAH RIVER PLANT, SC

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 southwest of H Area.

DRAINAGE AREA.--5.95 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Altitude of gage is 205 ft (from topographic map).

REMARKS.--Records good. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--11 years, 7.68 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 149 ft<sup>3</sup>/s Feb. 24, 1979, gage height, 3.67 ft; minimum daily, 0.61 ft<sup>3</sup>/s June 6, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 109 ft<sup>3</sup>/s, Mar. 6, gage height, 3.03 ft; minimum daily, 3.0 ft<sup>3</sup>/s July 18, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	4.4	5.4	9.5	10	24	13	9.5	5.5	5.4	4.7	25
2	5.3	4.4	5.9	19	27	15	12	11	5.5	4.9	5.1	11
3	5.4	4.9	8.9	15	17	15	11	10	5.1	4.6	5.7	8.5
4	5.4	19	6.0	12	13	14	11	14	4.7	4.5	4.9	7.4
5	5.7	9.0	5.4	11	11	13	11	9.7	5.1	5.2	4.8	6.6
6	5.9	6.0	6.1	10	13	46	12	9.7	6.1	6.5	4.6	6.7
7	5.8	5.3	5.8	9.2	12	31	14	8.8	10	5.1	4.3	6.9
8	6.0	5.1	5.6	8.9	11	22	16	9.1	11	4.4	4.4	6.2
9	6.1	5.2	6.3	8.8	10	18	25	9.6	6.6	3.7	4.7	6.2
10	6.7	5.7	5.1	9.2	11	16	24	8.5	5.4	3.6	4.4	5.7
11	7.2	5.2	7.7	9.1	11	15	15	8.2	5.1	3.7	4.6	5.2
12	6.7	5.3	18	8.7	10	14	13	8.0	4.8	3.5	4.7	5.7
13	13	7.9	9.0	8.4	20	13	12	7.7	4.4	3.6	4.7	7.8
14	17	6.2	7.9	8.8	49	12	12	7.4	4.3	3.4	4.3	12
15	7.3	5.3	7.8	8.6	22	12	15	7.1	4.0	3.5	4.2	7.8
16	5.8	5.8	12	7.5	16	12	13	7.1	4.0	3.2	4.4	6.5
17	5.6	5.6	8.8	7.5	17	33	11	6.6	4.0	3.1	4.0	5.9
18	5.5	6.0	7.5	7.2	14	23	13	6.3	4.0	3.0	4.3	5.5
19	5.2	5.7	7.6	7.5	13	16	14	6.6	3.9	3.3	4.3	5.6
20	6.4	5.7	7.5	7.9	13	14	11	6.8	3.9	3.2	4.6	7.6
21	5.1	5.7	7.0	16	12	15	10	6.8	3.9	3.1	4.7	9.9
22	5.3	7.4	6.9	14	18	12	10	6.2	13	3.0	4.9	7.0
23	4.9	5.7	6.8	10	30	12	22	6.6	13	3.3	4.6	5.9
24	4.9	5.8	6.8	8.3	16	17	23	6.1	6.1	3.7	5.6	5.3
25	5.2	5.4	6.5	8.3	15	18	14	10	4.2	4.1	5.4	5.1
26	5.5	5.3	6.4	8.5	14	13	13	12	3.7	3.5	6.4	4.8
27	5.4	5.2	6.2	13	13	20	12	7.1	4.3	3.1	5.8	4.5
28	4.8	5.8	6.5	21	15	15	12	6.0	4.5	3.2	4.8	4.5
29	4.8	6.1	12	12	---	13	10	6.3	4.6	3.1	4.8	4.1
30	4.7	6.0	12	12	---	12	10	5.4	5.4	4.9	5.2	4.2
31	4.5	---	11	11	---	16	---	5.4	---	4.8	5.0	---
TOTAL	191.9	186.1	242.4	327.9	453	541	414	249.6	170.1	121.2	148.9	215.1
MEAN	6.19	6.20	7.82	10.6	16.2	17.5	13.8	8.05	5.67	3.91	4.80	7.17
MAX	17	19	18	21	49	46	25	14	13	6.5	6.4	25
MIN	4.5	4.4	5.1	7.2	10	12	10	5.4	3.7	3.0	4.0	4.1
CAL YR 1982	TOTAL	2393.2	MEAN 6.56	MAX 42	MIN 2.6							
WTR YR 1983	TOTAL	3261.2	MEAN 8.93	MAX 49	MIN 3.0							

## SAVANNAH RIVER BASIN

231

02197336 SITE NO. 4 AT SAVANNAH RIVER PLANT, SC

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 above SRP Road C, 0.8 mi downstream of site 3, 0.8 mi southeast of F Area.

DRAINAGE AREA.--6.96 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Altitude of gage is 195 ft (from topographic map).

REMARKS.--Records poor. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--11 years, 8.71 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, Sept. 18, 1982, gage height, 5.41 ft; minimum daily, 1.8 ft<sup>3</sup>/s Sept. 18, 1968, July 18, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, Sept. 1, gage height, 4.64 ft; minimum daily, 3.3 ft<sup>3</sup>/s July 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	4.9	6.0	9.7	10	28	13	10	5.2	6.4	4.8	56
2	6.2	4.8	5.4	20	30	14	12	11	5.1	5.9	4.8	14
3	6.0	5.0	9.5	15	18	15	11	11	5.1	5.2	5.6	9.7
4	6.0	21	7.6	12	14	14	11	16	4.9	5.0	5.1	7.4
5	5.8	12	6.5	12	12	13	12	10	5.0	6.5	4.7	6.8
6	6.2	7.3	6.5	11	14	50	13	10	6.1	6.8	5.0	6.8
7	6.2	6.0	6.4	10	13	32	17	9.3	11	5.0	4.8	6.8
8	6.5	6.0	6.2	10	12	22	20	9.5	14	4.5	4.7	7.0
9	6.5	5.9	6.8	9.7	11	18	30	10	6.5	4.1	5.0	6.4
10	8.4	6.0	6.4	9.9	11	16	28	9.0	5.8	4.0	4.6	5.9
11	7.8	6.0	8.2	9.6	12	15	16	8.7	5.4	4.1	4.7	5.9
12	6.8	5.8	18	9.4	11	14	13	8.4	5.2	3.9	5.0	6.0
13	11	8.0	10	9.4	24	13	12	8.2	4.5	3.6	5.3	9.7
14	19	6.6	8.6	9.5	53	12	14	7.5	4.3	3.8	4.8	20
15	7.3	6.6	8.2	9.4	23	12	16	7.3	4.5	4.2	4.7	8.0
16	6.0	6.6	12	8.1	18	12	14	7.1	4.7	4.3	4.8	7.0
17	6.2	6.5	9.3	8.7	18	33	11	6.8	5.0	3.8	4.8	6.0
18	5.8	6.6	8.2	7.7	15	23	14	6.8	5.0	3.8	4.6	5.8
19	5.8	6.4	8.8	7.8	14	17	16	6.8	4.9	3.5	4.7	5.9
20	6.2	7.1	8.8	8.2	14	14	12	7.5	4.9	3.3	4.2	8.4
21	5.8	6.5	8.6	18	14	15	10	7.3	5.1	3.7	5.1	12
22	5.9	6.8	8.4	15	20	12	10	6.8	18	3.9	5.0	7.8
23	5.5	6.5	8.6	11	30	12	25	7.3	18	3.9	4.6	7.3
24	5.6	6.2	8.8	9.4	18	17	30	6.8	6.9	4.3	8.7	5.8
25	5.4	5.8	8.4	9.0	18	18	16	10	5.4	4.6	6.0	5.4
26	5.5	5.8	8.2	9.3	16	13	14	15	4.8	3.8	6.5	5.1
27	5.6	5.5	7.6	13	14	22	13	7.6	5.2	3.4	6.5	5.1
28	5.4	6.4	7.4	21	16	16	13	6.2	5.8	3.7	5.0	5.4
29	5.2	6.6	13	13	---	13	11	6.1	6.1	3.4	5.1	5.2
30	5.1	6.4	12	12	---	12	11	5.1	6.5	6.0	5.1	5.4
31	5.0	---	12	11	---	16	---	4.9	---	5.1	5.0	---
TOTAL	205.6	207.6	270.4	348.8	493	553	458	264.0	198.9	137.5	159.3	274.0
MEAN	6.63	6.92	8.72	11.3	17.6	17.8	15.3	8.52	6.63	4.44	5.14	9.13
MAX	19	21	18	21	53	50	30	16	18	6.8	8.7	56
MIN	5.0	4.8	5.4	7.7	10	12	10	4.9	4.3	3.3	4.2	5.1

CAL YR 1982 TOTAL 2700.1 MEAN 7.40 MAX 74 MIN 3.5  
WTR YR 1983 TOTAL 3570.1 MEAN 9.78 MAX 56 MIN 3.3

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 southeast of Area F, 0.5 mi east of SRP Road C.

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

REMARKS.--Records good, except those for periods when discharge was over 45 ft<sup>3</sup>/s, which are undefined and those for periods of no gage-height record Nov. 23 to Jan. 25, which are poor. Flow completely regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, Aug. 5, 1974, gage height 7.94 ft; minimum daily, 0.80 ft<sup>3</sup>/s May 27, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, Mar. 6, gage height, 4.10 ft; minimum daily, 1.3 ft<sup>3</sup>/s June 14, July 9, 10, 13.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	4.0	3.8	2.3	4.1	4.5	3.4	2.6	2.7	2.3	3.7	6.2
2	4.6	2.5	2.6	4.0	5.6	3.2	3.3	2.6	2.7	2.2	4.2	2.2
3	3.9	2.5	3.6	2.5	4.3	3.7	3.5	3.5	2.7	2.2	3.9	3.3
4	4.2	4.9	3.4	2.3	4.0	3.4	3.4	2.5	2.6	2.0	3.6	2.0
5	3.7	3.5	3.3	2.5	4.0	3.8	3.1	2.4	2.7	2.8	3.6	1.8
6	3.0	4.2	2.6	2.3	4.5	5.6	4.0	2.7	2.6	1.8	4.2	2.2
7	3.5	3.6	2.8	2.0	4.1	4.6	3.5	2.7	3.6	1.4	4.2	1.8
8	3.7	3.9	2.8	2.4	4.0	3.3	4.2	2.7	2.9	1.5	3.9	1.8
9	3.4	3.8	3.6	2.5	3.7	3.1	4.0	2.8	3.1	1.3	3.6	2.0
10	5.8	3.5	2.7	2.6	3.8	3.3	2.4	2.5	3.4	1.3	3.4	1.6
11	4.0	3.6	3.6	2.2	3.6	4.0	2.2	2.6	2.8	1.4	3.7	1.9
12	2.8	4.4	3.9	2.5	4.7	3.3	2.2	2.6	2.9	1.4	4.2	1.9
13	5.8	5.0	3.6	2.6	5.8	3.4	2.5	2.8	1.7	1.3	4.6	3.1
14	4.0	3.6	3.5	2.5	5.8	3.2	3.2	2.5	1.3	2.0	3.6	3.2
15	3.1	3.9	3.3	2.5	5.0	3.1	2.6	2.8	1.9	3.1	3.9	2.6
16	2.9	3.8	3.6	2.5	4.1	3.4	2.6	2.7	2.2	3.2	3.4	3.1
17	3.9	3.8	2.7	3.4	3.6	4.8	3.0	2.7	2.7	2.9	3.9	2.0
18	3.4	3.8	2.5	2.2	1.8	2.9	4.3	2.5	2.7	3.4	3.9	2.2
19	3.4	3.9	2.6	2.5	1.8	3.6	2.9	2.6	2.7	2.4	2.5	3.0
20	3.4	4.3	2.5	2.2	1.9	3.6	2.4	2.6	2.5	1.4	1.8	4.2
21	3.6	3.6	2.5	4.5	3.0	3.6	2.3	2.4	2.6	2.8	3.8	4.3
22	3.7	3.4	2.3	3.5	5.0	3.5	2.7	2.4	3.9	3.1	3.1	4.1
23	4.1	3.8	2.4	3.5	3.8	3.5	4.2	2.5	2.3	2.6	1.8	6.0
24	3.9	3.9	2.3	3.4	3.8	4.4	3.0	2.3	2.0	2.0	3.0	2.7
25	2.8	3.4	2.1	3.9	4.6	3.9	2.8	3.7	2.8	2.5	1.9	2.5
26	3.1	3.8	2.2	3.3	4.0	3.5	2.5	3.0	2.2	2.0	2.0	2.7
27	3.6	3.8	2.1	5.1	3.5	4.4	2.6	3.3	2.2	2.7	1.9	2.7
28	3.5	3.9	2.2	4.4	4.5	5.2	2.6	2.7	2.5	3.6	2.2	2.7
29	4.1	3.8	3.6	4.7	---	3.5	2.4	2.7	2.4	3.3	2.4	2.7
30	4.3	3.8	3.6	4.4	---	3.5	2.6	2.8	2.3	4.2	2.0	2.7
31	4.2	---	2.5	3.6	---	3.8	---	2.8	---	3.6	2.0	---
TOTAL	117.4	113.7	90.8	94.8	112.4	116.6	90.4	84.0	77.6	73.7	99.9	85.2
MEAN	3.79	3.79	2.93	3.06	4.01	3.76	3.01	2.71	2.59	2.38	3.22	2.84
MAX	5.8	5.0	3.9	5.1	5.8	5.6	4.3	3.7	3.9	4.2	4.6	6.2
MIN	2.8	2.5	2.1	2.0	1.8	2.9	2.2	2.3	1.3	1.3	1.8	1.6
CAL YR 1982	TOTAL	1093.9	MEAN	3.00	MAX	10	MIN	1.2				
WTR YR 1983	TOTAL	1156.5	MEAN	3.17	MAX	6.2	MIN	1.3				

## 233

LOCATION.--Lat 33°16'29", long 81°40'06", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, 100 ft east of SRP Road C on right bank upstream and 300 ft upstream from confluence with Fourmile Branch, 0.7 mi southeast of F area.

GAGE.--Water-stage recorder. Altitude of gage is 195 ft (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined, July 20, 1981, gage height, 3.77 ft; minimum daily, 1.2 ft<sup>3</sup>/s May 2, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, not determined, July 22, gage height, 3.54 ft; minimum daily, 2.4 ft<sup>3</sup>/s June 14.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	4.4	4.0	4.2	4.7	4.6	4.0	3.4	3.0	2.9	3.8	6.0
2	4.8	4.0	3.7	5.1	5.7	4.1	4.0	3.5	3.0	2.9	4.0	3.2
3	4.6	4.0	4.0	4.4	4.9	4.2	4.0	3.9	3.0	2.9	3.6	3.6
4	4.7	5.3	3.8	4.3	4.7	4.2	4.0	3.5	2.9	2.8	3.8	3.2
5	4.3	4.4	3.8	4.4	4.7	4.2	3.9	3.4	3.0	3.3	3.8	3.0
6	4.0	4.6	3.8	4.2	4.9	5.7	4.2	3.4	3.0	2.8	3.9	3.2
7	4.2	4.4	3.9	4.2	4.7	4.8	4.0	3.4	3.7	2.6	4.0	2.9
8	4.5	4.4	3.8	4.2	4.6	4.2	4.4	3.4	3.2	2.7	3.9	2.8
9	4.5	4.4	4.1	4.4	4.5	4.0	4.3	3.4	3.1	2.5	3.8	2.8
10	5.2	4.2	3.9	4.4	4.6	4.1	3.6	3.3	3.2	2.5	3.8	2.7
11	4.8	4.2	4.2	4.3	4.4	4.3	3.4	3.3	3.0	2.6	3.9	2.8
12	4.2	4.6	4.4	4.3	4.7	4.1	3.4	3.3	3.0	2.6	4.1	2.8
13	5.4	5.4	4.2	4.4	5.9	4.1	3.6	3.3	3.0	2.5	4.2	3.3
14	4.7	4.3	4.2	4.4	6.0	4.0	3.8	3.2	2.4	2.8	4.0	3.3
15	4.4	4.4	4.2	4.3	4.8	4.0	3.6	3.3	2.7	3.2	4.0	3.0
16	4.2	4.3	4.3	4.2	4.4	4.1	3.6	3.2	2.8	3.3	3.9	3.2
17	4.6	4.2	4.0	4.6	4.3	5.0	3.6	3.2	3.0	3.2	4.0	2.9
18	4.4	4.2	4.0	4.2	3.6	3.9	4.0	3.1	2.9	3.3	4.1	2.9
19	4.3	4.2	4.1	4.2	3.5	4.1	3.6	3.0	3.0	2.9	3.6	3.2
20	4.2	4.4	4.0	4.2	3.5	4.1	3.4	3.0	2.9	2.5	3.2	4.6
21	4.4	4.1	4.0	5.2	3.9	4.2	3.4	2.9	3.0	3.1	4.0	4.6
22	4.4	4.0	3.9	4.5	5.0	4.0	3.4	2.9	4.0	3.4	3.7	4.4
23	4.6	4.1	4.0	4.6	4.6	4.1	4.4	2.9	3.0	3.1	3.2	5.5
24	4.5	4.2	4.0	4.5	4.4	4.4	3.8	2.8	2.8	3.0	4.2	3.0
25	4.0	4.0	4.0	4.6	4.6	4.2	3.6	3.5	3.1	3.2	3.0	2.8
26	4.1	4.2	4.1	4.4	4.4	4.0	3.5	3.2	2.8	2.9	3.1	2.9
27	4.2	4.1	4.1	4.9	4.3	4.6	3.6	3.3	2.8	3.2	3.0	2.8
28	4.2	4.2	4.2	4.9	4.6	4.5	3.5	3.0	2.9	3.7	3.2	2.8
29	4.4	4.1	4.6	4.9	---	4.0	3.4	3.0	3.0	3.4	3.2	2.8
30	4.4	4.1	4.6	4.8	---	4.0	3.5	3.0	2.9	4.4	3.2	2.8
31	4.4	---	4.3	4.6	---	4.2	---	3.0	---	3.8	3.2	---
TOTAL	138.2	129.4	126.2	138.8	128.9	132.0	112.5	100.0	90.1	94.0	114.4	99.8
MEAN	4.46	4.31	4.07	4.48	4.60	4.26	3.75	3.23	3.00	3.03	3.69	3.33
MAX	5.4	5.4	4.6	5.2	6.0	5.7	4.4	3.9	4.0	4.4	4.2	6.0
MIN	4.0	4.0	3.7	4.2	3.5	3.9	3.4	2.8	2.4	2.5	3.0	2.7
CAL YR 1982	TOTAL	1324.7	MEAN	3.63	MAX	7.4	MIN	2.0				
WTR YR 1983	TOTAL	1404.3	MEAN	3.85	MAX	6.0	MIN	2.4				



02197340 SITE NO. 6 AT SAVANNAH RIVER PLANT, SC

DRAINAGE AREA.--7.53 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Altitude of gage is 193 ft (from topographic map).

REMARKS.--Records fair. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--11 years, 12.75 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 288 ft<sup>3</sup>/s Nov. 2, 1980, gage height, 5.15 ft; minimum daily, 4.1 ft<sup>3</sup>/s Dec. 23, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 136 ft<sup>3</sup>/s, Sept. 1, gage height, 4.56 ft; minimum daily, 6.4 ft<sup>3</sup>/s Aug. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	11	9.8	16	20	30	21	14	8.4	10	14	59
2	11	10	9.8	25	36	22	19	15	8.6	9.8	14	19
3	11	11	13	22	26	19	19	16	8.6	8.9	16	16
4	11	29	13	16	22	18	19	20	8.1	8.9	14	12
5	10	22	10	17	20	17	18	15	8.4	12	12	11
6	10	13	10	17	23	59	18	14	11	13	13	11
7	10	12	10	17	21	36	22	13	17	9.2	12	10
8	11	12	9.8	17	20	27	25	13	20	8.1	11	10
9	11	11	11	17	18	23	33	14	12	6.8	11	9.9
10	15	12	10	17	19	21	31	12	11	6.8	10	9.1
11	13	12	13	17	20	21	21	12	9.8	7.0	10	9.2
12	11	11	23	17	19	19	18	12	9.2	6.8	11	9.6
13	18	14	16	17	29	18	17	11	7.4	6.6	12	14
14	25	11	14	17	63	18	19	11	7.0	7.2	10	24
15	13	11	14	17	30	17	21	11	7.2	8.6	9.8	15
16	10	11	18	15	24	18	20	10	7.4	9.2	9.4	13
17	11	11	15	16	24	38	16	10	8.1	8.4	9.2	11
18	9.8	12	14	15	20	28	19	10	8.1	8.6	8.6	10
19	9.6	13	15	15	19	23	20	10	7.9	7.6	7.9	11
20	11	13	15	16	18	20	16	11	7.9	6.8	6.4	15
21	11	13	14	26	18	22	15	10	8.1	7.9	9.2	20
22	12	14	14	24	26	18	15	9.2	23	8.6	8.4	15
23	12	14	14	21	34	18	29	10	26	8.6	6.8	14
24	12	11	15	18	23	23	32	9.5	12	10	14	11
25	11	11	14	18	22	25	21	16	8.9	13	11	9.9
26	10	10	14	17	20	20	19	19	7.6	10	10	9.5
27	10	9.8	13	21	19	29	17	11	8.1	9.8	11	9.4
28	10	11	12	31	20	22	17	9.5	9.2	11	8.9	9.7
29	9.8	11	19	23	---	20	15	9.4	9.8	10	8.6	9.1
30	10	10	18	22	---	19	15	8.0	10	22	8.1	9.0
31	11	---	18	20	---	24	---	7.9	---	17	8.1	---
TOTAL	361.2	376.8	428.4	584	673	732	607	373.5	315.8	298.2	325.4	415.4
MEAN	11.7	12.6	13.8	18.8	24.0	23.6	20.2	12.0	10.5	9.62	10.5	13.8
MAX	25	29	23	31	63	59	33	20	26	22	16	59
MIN	9.6	9.8	9.8	15	18	17	15	7.9	7.0	6.6	6.4	9.0
CAL YR 1982	TOTAL	4408.0	MEAN 12.1	MAX 85	MIN 7.2							
WTR YR 1983	TOTAL	5490.7	MEAN 15.0	MAX 63	MIN 6.4							

LOCATION.--Lat 33°14'40", long 81°41'45", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on right upstream end of concrete culvert pipe on Four Mile Creek at SRP Road A-7, 1.0 mi southwest of Area C.

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

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

REMARKS.--Records fair, except those for periods of no gage-height record, Feb. 19 to Mar. 2, which are poor. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--11 years, 18.00 ft<sup>3</sup>/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 213 ft<sup>3</sup>/s Feb. 2, 1973, gage height, 4.80 ft; minimum daily, 5.1 ft<sup>3</sup>/s Oct. 3, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 163 ft<sup>3</sup>/s, Mar. 6, gage height, 4.19 ft; minimum daily, 7.4 ft<sup>3</sup>/s July 21.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	13	15	22	22	58	32	20	12	13	14	85
2	13	11	15	46	58	31	27	20	13	14	21	35
3	13	11	15	40	40	29	25	20	13	11	16	18
4	13	34	19	26	29	28	24	33	12	12	15	16
5	13	31	15	22	25	25	24	22	12	10	13	12
6	13	17	16	21	29	81	24	19	15	21	13	11
7	12	14	15	20	26	77	35	18	18	13	13	11
8	12	13	15	19	24	47	34	18	43	10	11	11
9	13	13	15	19	21	36	60	20	18	9.3	11	10
10	15	13	15	20	21	31	65	18	15	8.4	11	10
11	24	13	18	20	24	30	35	17	13	8.1	11	9.6
12	15	14	48	18	22	28	28	16	12	8.7	11	9.4
13	20	21	25	18	30	26	25	16	11	8.6	12	11
14	51	16	19	18	117	25	29	16	9.8	8.0	11	33
15	22	14	18	19	58	24	35	15	9.8	9.1	10	19
16	15	14	29	17	36	24	31	15	9.9	9.5	9.7	15
17	14	14	22	18	36	68	24	15	10	9.5	9.7	12
18	14	14	18	17	29	57	26	15	10	9.1	9.5	11
19	13	15	18	16	22	37	33	15	10	9.1	9.4	11
20	13	15	18	17	21	30	24	16	9.9	7.8	8.2	13
21	15	15	17	33	21	33	21	15	9.9	7.4	8.4	25
22	13	14	16	43	40	27	21	15	21	8.8	9.4	18
23	13	16	16	24	58	25	41	15	53	9.7	8.1	15
24	13	14	16	20	30	31	65	15	18	9.5	10	14
25	13	14	16	18	29	44	34	18	12	16	28	12
26	13	13	16	19	25	30	27	50	11	12	11	11
27	13	14	15	23	22	48	25	19	9.4	9.4	12	11
28	13	15	16	54	25	37	23	15	10	9.5	9.9	11
29	12	15	30	31	---	29	22	14	12	10	9.5	11
30	13	15	30	26	---	27	20	14	12	11	8.6	11
31	13	---	33	24	---	35	---	13	---	32	8.8	---
TOTAL	479	465	609	748	940	1158	939	567	444.7	344.5	363.2	502.0
MEAN	15.5	15.5	19.6	24.1	33.6	37.4	31.3	18.3	14.8	11.1	11.7	16.7
MAX	51	34	48	54	117	81	65	50	53	32	28	85
MIN	12	11	15	16	21	24	20	13	9.4	7.4	8.1	9.4
CAL YR 1982	TOTAL	6394.6	MEAN 17.5	MAX 102	MIN 7.9							
WTR YR 1983	TOTAL	7559.4	MEAN 20.7	MAX 117	MIN 7.4							

## SAVANNAH RIVER BASIN

02197344 FOUR MILE CREEK AT ROAD A-12.2 AT SAVANNAH RIVER PLANT, SC

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 northwest of SRP Road A-13, 1.0 mi southeast of Area D.

DRAINAGE AREA.--22.0 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (from topographic map).

REMARKS.--Records fair. No estimates of discharge for period of no gage-height record, Oct. 27 to Nov. 1. Flow regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 903 ft<sup>3</sup>/s Mar. 13, 1980, gage height, 3.93 ft; minimum daily, 28 ft<sup>3</sup>/s July 4, 5, 6, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 678 ft<sup>3</sup>/s, Sept. 1, gage height, 3.60 ft; minimum daily, 41 ft<sup>3</sup>/s Nov. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	419	---	413	411	398	459	414	387	368	341	408	512
2	416	80	152	449	449	427	406	388	374	383	417	402
3	417	78	409	452	424	416	402	395	374	388	403	361
4	419	106	416	415	403	414	405	414	379	387	399	352
5	418	90	410	407	404	413	407	395	383	386	396	347
6	420	57	411	405	411	544	409	387	392	395	394	347
7	421	64	404	403	408	487	420	388	404	386	357	346
8	427	51	399	404	402	433	434	391	429	376	103	347
9	433	51	396	401	407	416	474	393	392	375	99	348
10	429	41	396	398	403	410	470	388	382	374	98	349
11	453	54	411	397	408	406	424	386	386	378	217	348
12	439	55	461	395	405	405	411	385	383	380	379	347
13	452	108	415	396	435	404	401	387	383	381	371	359
14	500	105	407	395	593	148	408	387	382	383	369	381
15	447	102	408	397	450	182	425	387	385	383	370	363
16	431	99	424	392	391	183	408	385	387	386	366	351
17	424	99	410	391	396	359	400	383	387	385	367	349
18	424	92	404	394	383	457	403	383	390	384	367	355
19	419	113	406	397	382	414	407	380	383	385	364	348
20	425	129	403	393	378	397	399	379	101	394	366	353
21	428	130	406	425	380	402	395	377	88	393	360	371
22	424	129	405	444	402	393	391	374	117	394	361	361
23	423	114	399	411	469	392	434	375	138	391	360	353
24	422	88	399	395	422	407	469	375	104	398	360	353
25	421	86	400	390	413	421	414	382	97	408	381	351
26	238	76	399	391	406	403	404	433	95	398	362	350
27	---	78	399	406	402	433	395	384	99	394	356	350
28	---	113	401	444	406	414	392	374	87	390	355	350
29	---	121	431	412	---	404	392	371	86	391	351	350
30	---	158	437	404	---	404	393	373	95	396	351	351
31	---	---	430	404	---	420	---	373	---	421	350	---
TOTAL	---	---	12461	12618	11630	12267	12406	11959	8450	12004	10557	10805
MEAN	---	---	402	407	415	396	414	386	282	387	341	360
MAX	---	---	461	452	593	544	474	433	429	421	417	512
MIN	---	---	152	390	378	148	391	371	86	341	98	346

## SAVANNAH RIVER BASIN

237

02197348 PEN BRANCH AT ROAD A-13.2 AT SAVANNAH RIVER PLANT, SC

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 downstream from Seaboard Coastline Railroad bridge, 600 ft west of intersection of SRP Roads A-17 and A-17.1.

DRAINAGE AREA.--21.2 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1976 to January 1983, May 1983 to September 1983.

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

REMARKS.--Records fair. No estimates of discharge for period of no gage-height record Nov. 10 to Dec. 3. Flow regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 948 ft<sup>3</sup>/s Mar. 13, 1980, gage height, 3.81 ft; minimum daily, 21 ft<sup>3</sup>/s Aug. 4, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 612 ft<sup>3</sup>/s, Sept. 1, gage height, 3.21 ft; minimum daily, 64 ft<sup>3</sup>/s June 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	393	377	---	422				---	402	91	405	508
2	393	379	---	450				---	401	95	421	434
3	390	379	362	442				415	401	97	395	410
4	390	420	405	422				423	402	96	396	402
5	391	403	407	418				414	405	98	396	401
6	260	394	409	---				409	412	92	394	406
7	116	397	414	---				409	430	92	397	336
8	140	396	390	---				408	440	85	395	182
9	140	399	386	---				409	398	80	392	151
10	142	357	386	---				407	281	79	392	220
11	143	---	394	---				407	254	77	395	200
12	122	---	430	---				405	238	73	394	204
13	98	---	398	---				408	229	80	393	188
14	131	---	390	---				408	210	79	386	194
15	106	---	390	---				404	108	87	386	167
16	141	---	398	---				407	109	137	387	160
17	127	---	390	---				406	103	137	386	151
18	135	---	390	---				406	102	137	388	172
19	296	---	386	---				407	101	140	388	272
20	382	---	386	---				406	101	154	387	405
21	377	---	386	---				405	102	132	385	413
22	379	---	386	---				403	129	119	385	406
23	381	---	386	---				402	129	151	384	398
24	382	---	386	---				401	98	158	389	393
25	384	---	386	---				403	99	227	389	391
26	381	---	386	---				417	97	218	390	392
27	377	---	382	---				406	99	229	388	391
28	375	---	394	---				401	64	410	384	389
29	372	---	438	---				401	66	409	384	390
30	374	---	438	---				402	67	409	382	402
31	377	---	434	---				406	---	412	382	---
TOTAL	8595	---	---	---				---	6477	4880	12115	9528
MEAN	277	---	---	---				---	216	157	391	318
MAX	393	---	---	---				---	440	412	421	508
MIN	98	---	---	---				---	64	73	382	151



LOCATION.--Lat 33°05'46", long 81°37'04", Barnwell County, Hydrologic Unit 03060106, 15.4 mi 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, 0.4°C Jan. 10, 1982.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 29.8°C July 22; minimum, 3.2°C Jan. 21.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	19.1	16.8	17.9	19.4	17.0	18.4	11.5	10.9	11.1
2	---	---	---	20.2	18.5	19.2	19.9	18.9	19.4	11.4	11.0	11.1
3	---	---	---	20.4	18.9	19.7	20.9	19.4	20.2	11.7	11.2	11.6
4	---	---	---	20.5	18.6	20.1	20.9	20.0	20.4	11.1	9.8	10.3
5	---	---	---	18.1	14.0	15.7	21.4	20.4	20.9	9.7	9.0	9.3
6	---	---	---	13.8	11.8	12.5	20.8	17.7	19.3	9.1	8.0	8.7
7	---	---	---	11.8	10.2	11.1	17.4	15.0	16.1	9.5	8.0	8.7
8	---	---	---	11.9	9.8	10.9	15.1	14.3	14.6	10.7	9.3	9.8
9	---	---	---	12.4	10.2	11.3	15.2	13.1	14.5	11.1	10.7	11.0
10	---	---	---	13.5	11.1	12.3	14.6	13.0	13.6	11.6	11.0	11.4
11	---	---	---	14.9	12.0	13.6	13.1	12.0	12.6	11.9	10.8	11.6
12	---	---	---	17.7	14.9	16.1	13.3	11.6	12.6	11.4	9.0	10.0
13	---	---	---	17.8	14.6	16.5	11.3	8.1	9.6	8.8	7.1	7.7
14	---	---	---	14.4	12.0	13.1	8.4	6.9	7.8	7.2	5.4	6.5
15	---	---	---	13.5	12.1	12.8	11.7	8.5	9.9	8.5	7.1	7.8
16	---	---	---	12.0	10.5	11.3	13.8	11.9	12.8	8.0	6.7	7.3
17	---	---	---	12.8	11.0	11.8	13.1	11.0	11.9	7.3	6.0	6.7
18	---	---	---	14.3	12.4	13.5	10.8	8.7	9.6	6.9	5.8	6.4
19	---	---	---	16.1	14.3	15.2	8.5	7.1	7.7	5.9	4.4	5.0
20	---	---	---	16.4	15.6	16.0	8.8	7.1	8.1	4.6	3.4	4.0
21	19.1	17.4	18.8	18.1	16.4	17.2	8.9	7.1	8.2	3.9	3.2	3.4
22	18.9	17.1	18.1	18.8	17.0	17.8	8.6	7.1	8.1	6.3	4.0	5.1
23	16.9	14.6	15.8	19.1	17.0	18.1	9.7	7.0	8.5	8.2	6.4	7.3
24	14.4	12.0	13.3	18.9	17.0	18.0	12.7	9.7	10.8	9.0	7.4	8.4
25	12.8	12.0	12.4	17.5	14.5	15.5	15.5	12.4	13.9	9.0	8.0	8.6
26	14.0	12.0	12.9	14.6	14.0	14.4	16.5	14.5	15.4	9.1	8.0	8.6
27	13.9	11.8	12.9	16.4	14.5	15.4	17.3	16.0	16.4	9.5	9.0	9.2
28	14.4	12.1	13.3	16.3	15.9	16.1	18.5	16.5	17.3	10.6	8.5	9.8
29	14.7	12.0	13.5	18.6	16.4	17.4	18.4	15.6	17.4	10.6	9.8	10.3
30	15.6	13.6	14.6	17.4	16.6	17.0	16.3	13.4	14.8	11.3	10.1	10.8
31	16.9	15.0	15.9	---	---	---	13.2	11.6	12.3	12.8	11.1	11.7

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	14.1	12.4	13.3	10.6	9.5	10.0	15.5	13.9	14.7	19.2	15.5	18.1
2	15.0	11.0	14.1	11.8	10.1	11.0	15.8	14.9	15.3	21.0	17.1	18.8
3	14.8	11.7	13.4	13.1	11.1	12.1	15.6	14.6	15.1	22.0	16.3	20.2
4	11.5	9.7	10.4	13.6	12.0	12.9	16.1	14.2	15.2	21.2	18.5	20.2
5	9.5	8.6	9.0	14.3	13.0	13.6	17.0	10.8	15.9	20.5	18.1	19.0
6	8.6	8.5	8.6	15.2	14.1	14.8	19.7	17.0	18.2	20.8	18.1	19.3
7	9.3	8.4	8.8	15.5	14.9	15.3	20.6	19.4	20.0	20.7	18.0	19.4
8	8.6	7.0	8.0	15.8	14.7	15.4	20.7	20.3	20.4	20.2	18.0	19.4
9	8.2	6.8	7.5	15.8	15.0	15.3	20.7	20.4	20.6	20.6	17.8	19.5
10	8.5	7.4	8.0	15.0	13.5	14.5	20.4	17.1	19.1	21.7	16.5	19.3
11	8.8	8.4	8.6	13.4	11.9	12.4	17.2	15.5	16.0	21.9	17.2	19.6
12	9.1	8.4	8.8	11.9	11.1	11.5	15.8	14.9	15.4	21.8	17.0	19.9
13	8.8	6.9	8.0	12.1	10.8	11.4	15.9	14.8	15.5	22.4	19.6	21.2
14	7.7	6.7	7.1	12.5	11.2	11.9	15.8	14.6	15.2	23.6	18.7	21.6
15	9.4	7.0	8.1	13.5	11.8	12.7	15.7	13.7	15.3	23.6	19.8	22.0
16	9.8	8.9	9.4	14.2	13.5	13.8	15.2	14.1	15.0	23.7	21.6	22.7
17	12.1	7.5	10.1	14.3	13.5	13.9	14.6	13.9	14.3	22.4	17.0	19.7
18	12.3	10.1	11.4	14.9	14.3	14.6	14.1	13.1	13.6	20.2	16.0	18.7
19	10.1	9.5	9.9	15.9	14.4	15.1	13.4	12.4	13.1	19.4	17.1	18.6
20	10.5	9.7	10.1	15.8	14.9	15.4	13.1	12.0	12.6	22.0	18.9	19.8
21	10.8	9.9	10.4	15.7	14.1	15.1	13.2	12.0	12.6	24.0	20.3	22.2
22	11.5	10.7	11.1	14.1	12.4	13.5	13.8	12.2	13.2	24.7	22.8	23.7
23	12.8	11.5	12.1	13.2	12.1	12.6	14.5	13.0	13.9	25.2	23.1	24.2
24	13.9	12.0	13.0	12.5	10.6	11.6	14.7	14.4	14.6	25.3	23.0	24.2
25	14.1	13.1	13.7	11.9	9.7	10.8	14.9	13.5	14.4	23.6	18.7	21.7
26	12.8	11.0	12.0	12.1	9.9	11.1	15.4	13.5	14.6	24.2	20.4	22.3
27	10.8	9.2	9.8	13.8	11.8	12.6	16.4	14.4	15.4	23.2	20.5	22.0
28	9.5	9.1	9.3	15.5	13.1	14.2	17.2	14.1	16.2	23.1	19.3	21.5
29	---	---	---	15.1	12.4	14.0	18.6	16.2	17.3	22.5	19.5	21.4
30	---	---	---	15.0	13.1	14.2	19.0	17.2	18.3	24.4	18.2	22.1
31	---	---	---	14.8	14.1	14.5	---	---	---	25.1	23.0	24.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	23.4	20.6	22.1	26.6	24.6	25.5	25.6	23.4	24.7	27.0	24.4	25.2
2	21.7	19.0	20.0	27.2	24.6	25.9	25.6	23.1	24.5	24.5	24.0	24.3
3	22.9	20.5	21.6	28.0	25.7	26.8	25.5	23.2	24.3	25.7	24.4	25.0
4	24.1	22.1	23.1	28.3	25.5	26.9	25.5	22.4	24.5	26.6	25.0	25.8
5	25.4	23.4	24.4	28.3	25.9	27.0	26.6	21.6	24.4	27.5	25.8	26.6
6	25.4	23.6	24.4	27.1	24.9	26.0	27.5	22.8	26.3	27.4	25.9	26.7
7	24.3	23.1	23.9	26.7	24.9	25.8	27.4	25.9	26.6	27.1	25.7	26.4
8	24.3	22.1	23.3	26.1	23.9	25.0	27.5	25.9	26.7	27.0	25.7	26.4
9	24.5	21.2	23.2	24.2	20.5	22.2	27.1	25.1	26.1	27.4	26.1	26.6
10	23.3	19.8	21.8	25.9	22.1	24.0	27.4	26.2	26.7	27.0	25.3	26.2
11	23.9	21.6	22.7	26.4	23.6	25.1	27.5	26.0	26.7	27.1	25.7	26.4
12	23.7	20.8	22.5	27.5	24.1	26.0	27.8	26.8	27.3	26.7	25.2	26.0
13	23.6	19.7	22.0	28.8	25.4	27.1	27.5	26.2	26.8	25.4	23.9	24.4
14	23.1	21.1	22.2	29.1	25.8	27.5	26.0	23.4	24.8	23.9	22.5	23.4
15	23.4	21.0	22.3	28.3	26.3	27.3	24.7	21.6	23.7	22.5	21.1	21.9
16	23.2	20.0	22.0	28.1	25.4	26.6	24.7	22.5	23.7	22.7	21.1	21.9
17	20.6	19.0	19.9	27.9	24.9	26.4	25.2	23.0	24.2	22.8	20.8	21.9
18	20.9	19.3	20.2	28.1	25.7	27.0	26.3	24.1	25.2	23.6	21.6	22.6
19	25.0	20.0	24.0	28.1	25.9	27.0	27.2	25.1	26.2	23.8	20.5	22.6
20	24.5	22.6	23.8	28.2	25.8	27.0	27.8	26.3	27.1	23.6	20.8	22.3
21	25.1	21.1	23.6	28.5	26.1	27.3	29.0	26.9	27.9	24.0	22.7	23.2
22	24.4	23.1	23.5	29.8	26.9	28.3	29.2	27.1	28.3	23.1	19.7	21.2
23	24.1	22.1	23.1	28.7	26.7	27.7	29.4	27.7	28.5	19.6	17.1	18.5
24	24.6	20.7	23.1	28.9	20.6	27.2	29.0	27.8	28.3	18.3	17.0	17.8
25	25.4	22.2	24.0	28.4	23.7	26.9	27.9	26.9	27.3	18.2	16.9	17.5
26	27.0	23.4	25.1	27.7	23.8	26.1	27.5	26.3	26.9	17.8	12.2	17.1
27	26.6	24.1	25.4	26.6	24.8	25.7	27.8	26.1	27.0	18.0	16.7	17.3
28	25.9	24.6	25.3	25.5	23.7	24.6	28.4	26.8	27.6	18.6	17.0	17.9
29	25.9	24.6	25.2	25.9	23.5	24.8	28.4	27.0	27.7	18.6	18.0	18.3
30	26.2	24.2	25.1	25.1	23.5	24.4	28.0	26.9	27.5	18.7	17.7	18.3
31	---	---	---	25.6	23.5	24.5	27.7	26.3	27.0	---	---	---
YEAR	29.8	3.2	17.7									

## SAVANNAH RIVER BASIN

02197359 STEEL CREEK AT OLD HATTIESVILLE BRIDGE (SAVANNAH RIVER PLANT), SC

LOCATION.--Lat 33°07'05", long 81°37'43", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, 0.5 mi downstream from Seaboard Coastline Railroad bridge, 1.0 mi west of eastern boundary fence.

DRAINAGE AREA.--34.4 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Altitude of gage is 95 ft (from topographic map).

REMARKS.--Records good. Flow regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 460 ft<sup>3</sup>/s Feb. 24, 1979, gage height, 4.50 ft; minimum daily, 8.4 ft<sup>3</sup>/s May 24, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 368 ft<sup>3</sup>/s, Sept. 1, gage height, 4.38 ft; minimum daily, 29 ft<sup>3</sup>/s Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	40	38	58	53	98	63	44	46	85	98	160
2	74	40	43	78	89	81	51	43	49	42	96	147
3	83	39	42	90	90	68	47	41	34	31	118	72
4	83	86	39	60	65	59	44	64	35	36	152	75
5	85	95	41	51	61	56	43	46	35	38	82	71
6	73	51	52	47	65	106	45	41	59	46	73	75
7	56	42	42	44	64	118	120	47	67	31	72	74
8	46	40	38	43	63	84	76	44	122	41	122	76
9	46	40	38	44	51	63	107	51	59	53	144	69
10	47	39	38	46	46	60	103	48	72	48	115	59
11	51	40	46	44	61	61	78	40	55	77	131	40
12	40	42	103	42	50	63	74	45	33	111	52	42
13	53	48	70	40	61	54	73	40	36	146	49	53
14	78	42	50	44	178	54	58	38	50	155	42	100
15	46	40	47	40	130	66	76	38	39	146	37	93
16	39	39	66	39	83	68	83	38	33	149	39	70
17	29	39	56	39	80	112	60	36	34	152	48	65
18	33	39	46	39	78	134	67	36	31	147	51	67
19	32	40	44	38	72	103	75	37	31	86	46	68
20	37	40	44	38	59	86	64	38	31	56	40	73
21	72	41	42	72	56	67	61	38	35	51	42	115
22	172	41	42	101	61	58	59	36	80	101	39	89
23	93	40	42	103	117	57	89	35	139	79	40	72
24	31	42	41	66	76	62	127	34	63	74	40	68
25	33	41	40	53	73	79	104	36	40	79	43	67
26	43	40	39	46	62	64	80	56	36	88	44	66
27	30	40	38	58	59	81	72	39	31	12	48	73
28	32	40	38	115	64	76	55	34	33	98	41	79
29	34	41	72	68	---	53	46	35	48	70	37	80
30	37	38	90	67	---	47	43	36	48	83	36	80
31	38	---	82	59	---	67	---	44	---	85	38	---
TOTAL	1708	1325	1549	1772	2067	2305	2143	1278	1504	2596	2055	2338
MEAN	55.1	44.2	50.0	57.2	73.8	74.4	71.4	41.2	50.1	83.7	66.3	77.9
MAX	172	95	103	115	178	134	127	64	139	155	152	160
MIN	29	38	38	38	46	47	43	34	31	31	36	40
CAL YR 1982	TOTAL	20360	MEAN	55.8	MAX	208	MIN	24				
WTR YR 1983	TOTAL	22640	MEAN	62.0	MAX	178	MIN	29				

02197370 SAVANNAH RIVER BELOW STEEL CREEK NEAR MILLETT, SC

LOCATION.--Lat 33°04'58", long 81°35'54", Allendale County, Hydrologic Unit 03060106, on left bank 2.8 mi downstream from Steel Creek, 12.6 mi upstream from Lower Three Runs, 3.7 mi west of Millett and at mile 138.8.

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, 31.4°C Sept. 7, 1982; minimum, 4.0°C Jan. 20, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 27.8°C Sept. 8; minimum, 6.5°C Jan. 24, 25.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.3	20.4	20.9	19.3	17.9	18.6	17.3	16.3	16.8	11.9	11.4	11.6
2	21.7	20.6	21.2	21.3	18.6	19.4	17.6	16.9	17.2	11.4	11.3	11.4
3	22.1	21.0	21.5	20.0	19.0	19.5	17.8	17.6	17.7	11.4	11.0	11.3
4	21.6	21.1	21.4	19.9	19.1	19.6	18.3	16.8	17.8	10.9	10.4	10.8
5	22.1	21.3	21.7	18.9	17.1	18.0	---	---	---	10.3	10.0	10.1
6	23.0	22.0	22.4	17.0	15.9	16.4	---	---	---	10.2	9.7	10.0
7	22.6	22.2	22.4	15.8	14.8	15.3	---	---	---	10.5	9.7	10.2
8	22.4	21.9	22.3	15.1	14.2	14.6	---	---	---	10.8	10.2	10.5
9	22.2	21.9	22.1	15.1	14.0	14.6	---	---	---	10.6	10.4	10.5
10	22.1	21.8	22.0	15.7	14.8	15.3	---	---	---	10.7	10.4	10.6
11	21.9	21.2	21.6	16.3	15.3	15.8	---	---	---	10.8	10.6	10.7
12	21.8	20.9	21.4	17.7	16.1	17.0	---	---	---	10.6	10.1	10.4
13	22.0	21.6	21.8	17.7	16.4	17.2	---	---	---	10.1	9.5	9.9
14	21.6	20.9	21.2	16.3	15.6	16.0	---	---	---	9.6	9.0	9.4
15	21.1	20.5	20.8	16.3	15.2	15.8	---	---	---	9.9	9.5	9.7
16	21.0	20.2	20.6	15.1	14.2	14.6	---	---	---	9.7	9.2	9.5
17	20.4	19.5	20.0	14.7	14.0	14.4	---	---	---	9.6	9.1	9.4
18	19.8	18.7	19.3	15.0	14.6	14.9	---	---	---	9.3	8.9	9.1
19	20.0	18.8	19.4	16.0	15.0	15.5	---	---	---	8.9	8.5	8.7
20	20.1	19.2	19.7	16.0	15.7	15.9	---	---	---	8.5	8.0	8.2
21	20.4	19.5	19.9	17.0	16.0	16.5	11.2	10.4	10.8	7.9	7.6	7.7
22	20.0	19.3	19.8	17.7	16.6	17.1	12.0	10.6	11.5	7.8	7.3	7.6
23	19.2	17.8	18.6	17.9	16.7	17.2	12.1	11.3	11.8	8.0	7.5	7.8
24	17.8	16.8	17.4	17.9	17.0	17.4	12.8	11.9	12.4	7.6	6.5	6.9
25	16.8	16.3	16.5	17.0	15.8	16.4	13.7	12.7	13.3	7.3	6.5	7.0
26	16.6	15.9	16.2	15.9	15.7	15.8	14.4	13.7	14.1	8.3	7.4	7.9
27	16.5	15.6	16.1	16.4	15.6	15.9	14.9	14.3	14.7	8.4	8.2	8.3
28	17.0	15.9	16.5	15.8	15.7	15.8	15.0	14.6	14.9	8.9	8.4	8.6
29	17.6	16.3	16.9	16.7	15.6	16.1	14.9	14.4	14.7	8.9	8.4	8.7
30	17.8	16.8	17.3	16.6	16.2	16.4	14.4	13.1	13.8	9.4	8.9	9.1
31	18.1	17.4	17.8	---	---	---	13.0	12.0	12.4	10.3	9.3	9.8



02197370 SAVANNAH RIVER BELOW STEEL CREEK NEAR MILLETT. SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.8	10.4	10.6	9.7	9.3	9.5	12.7	12.2	12.5	17.9	17.0	17.5
2	11.1	10.8	11.0	10.4	9.4	9.8	13.2	12.4	12.7	19.1	17.6	18.3
3	10.9	10.5	10.8	11.1	10.3	10.6	13.4	13.0	13.2	19.6	18.9	19.2
4	10.4	9.5	9.8	11.7	11.0	11.2	13.8	13.0	13.4	19.3	18.1	19.1
5	9.4	8.8	9.0	12.3	11.6	11.8	14.0	13.4	13.7	18.0	17.2	17.5
6	8.7	8.2	8.5	13.3	12.4	12.7	14.6	14.0	14.3	18.9	17.0	17.9
7	8.7	8.1	8.4	14.3	13.3	13.8	14.9	14.6	14.7	19.3	17.9	18.6
8	8.6	8.2	8.4	15.2	14.4	14.7	14.6	14.3	14.4	19.0	18.0	18.5
9	---	---	---	15.1	14.5	14.8	14.8	14.1	14.4	18.9	18.7	18.8
10	---	---	---	14.9	13.4	14.1	15.8	14.8	15.2	---	---	---
11	---	---	---	13.3	11.5	12.3	15.5	15.1	15.3	---	---	---
12	---	---	---	11.5	10.6	11.0	15.3	14.8	15.1	---	---	---
13	---	---	---	11.4	10.6	10.9	15.6	14.8	15.2	---	---	---
14	---	---	---	12.2	11.7	12.0	15.4	15.1	15.2	---	---	---
15	---	---	---	12.5	12.0	12.2	15.1	14.8	15.0	---	---	---
16	---	---	---	12.1	11.7	11.8	14.7	14.0	14.3	20.0	19.7	19.9
17	---	---	---	11.8	11.6	11.7	13.9	13.5	13.7	20.3	19.8	20.1
18	9.9	9.6	9.8	11.7	11.5	11.6	13.6	13.3	13.4	20.4	19.8	20.1
19	9.7	9.2	9.5	12.7	11.5	12.0	13.2	12.8	13.0	19.9	19.0	19.3
20	9.8	9.3	9.6	13.5	12.6	13.0	13.0	12.4	12.7	19.1	18.6	18.9
21	10.3	9.5	9.9	13.8	13.3	13.6	13.2	12.4	12.8	19.6	19.0	19.3
22	10.6	10.2	10.4	13.2	12.6	12.9	13.7	12.8	13.3	20.6	19.5	20.2
23	10.6	10.3	10.4	12.6	11.8	12.0	14.2	13.6	13.9	21.2	20.3	20.8
24	10.7	10.3	10.5	11.9	11.1	11.6	14.3	14.1	14.2	21.8	20.9	21.3
25	11.0	10.4	10.7	11.4	10.7	11.1	14.6	13.9	14.3	21.7	20.9	21.4
26	10.8	10.1	10.3	11.1	10.5	10.8	15.1	14.1	14.5	21.5	20.5	20.9
27	10.1	9.3	9.6	12.1	11.1	11.7	15.8	15.0	15.4	21.1	20.5	20.9
28	9.4	9.2	9.3	12.7	11.9	12.3	16.3	15.6	16.0	20.7	20.2	20.5
29	---	---	---	12.7	12.2	12.5	16.7	16.0	16.4	20.6	20.0	20.4
30	---	---	---	12.7	12.3	12.5	17.0	16.4	16.7	21.4	20.5	21.0
31	---	---	---	12.9	12.6	12.7	---	---	---	22.4	20.9	21.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	22.1	21.2	21.7	21.6	20.3	21.0	24.6	24.0	24.3	27.4	26.1	26.7
2	21.6	20.9	21.2	22.1	20.6	21.4	24.5	24.3	24.4	26.0	25.1	25.5
3	20.9	20.4	20.7	23.0	21.5	22.3	24.7	24.1	24.4	25.4	24.7	25.1
4	20.9	19.9	20.4	24.5	23.0	23.8	24.7	24.2	24.5	25.8	24.7	25.3
5	21.7	20.7	21.3	24.6	23.4	24.0	24.7	24.3	24.5	26.3	25.0	25.7
6	22.1	21.4	21.7	25.1	24.0	24.5	24.8	24.4	24.6	27.1	25.1	26.3
7	21.8	21.2	21.6	25.0	24.4	24.7	25.0	24.5	24.8	27.7	26.2	27.0
8	21.9	21.2	21.5	24.5	23.7	24.2	25.0	24.7	24.9	27.8	26.8	27.3
9	21.4	20.7	21.1	23.6	23.2	23.4	25.0	24.6	24.8	27.7	26.8	27.2
10	20.6	19.6	20.1	23.6	23.1	23.4	25.1	24.7	24.9	26.9	26.3	26.6
11	20.5	19.2	19.8	24.2	23.5	23.8	24.9	24.5	24.8	26.5	25.8	26.2
12	21.6	19.5	20.5	24.7	23.8	24.2	---	---	---	26.9	25.5	26.3
13	22.0	20.9	21.5	25.3	24.3	24.8	---	---	---	26.4	25.8	26.1
14	22.2	21.2	21.7	25.2	24.7	24.9	---	---	---	25.7	24.7	25.2
15	22.2	21.4	21.9	24.8	23.7	24.2	---	---	---	24.6	23.6	24.0
16	22.1	19.2	20.6	23.5	22.7	23.1	---	---	---	23.9	23.2	23.6
17	19.1	18.5	18.9	23.6	23.2	23.4	25.4	25.0	25.3	24.2	23.4	23.8
18	19.3	18.7	19.1	24.5	23.5	23.9	25.5	25.2	25.3	24.9	23.8	24.4
19	20.5	18.9	19.9	24.9	24.4	24.6	25.6	25.2	25.4	25.3	24.2	24.8
20	20.8	19.9	20.3	25.2	24.6	24.9	25.7	25.3	25.5	25.3	24.6	25.0
21	21.1	20.8	21.0	25.3	24.6	25.0	25.6	25.4	25.5	25.4	24.7	25.1
22	20.6	18.5	19.6	25.3	24.7	25.0	25.8	25.5	25.6	24.7	23.4	24.1
23	19.0	18.3	18.7	25.3	25.0	25.2	26.6	25.7	26.0	23.3	22.6	22.9
24	18.9	18.3	18.7	25.2	24.9	25.1	27.2	26.5	26.8	22.5	21.9	22.2
25	19.9	18.7	19.5	25.1	24.8	25.0	27.2	26.5	26.8	21.8	21.3	21.6
26	21.3	19.4	20.6	25.3	24.5	24.9	26.5	25.6	26.0	21.7	21.1	21.4
27	21.9	20.5	21.2	25.2	24.8	25.1	26.3	25.5	25.9	21.7	20.9	21.3
28	23.0	21.9	22.5	24.9	24.5	24.7	27.0	26.0	26.5	21.9	21.0	21.5
29	22.7	22.2	22.5	24.6	24.1	24.4	27.4	26.5	27.0	21.7	21.2	21.4
30	22.0	20.5	21.2	24.4	24.0	24.2	27.6	26.9	27.3	21.8	21.2	21.5
31	---	---	---	24.4	23.6	24.0	27.7	26.9	27.4	---	---	---
YEAR	27.8	6.5	17.8									

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 upstream from Patterson Branch and 4.7 mi south of Snelling.

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

GAGE.--Water-stage recorder. Altitude of gage is 117 ft from topographic map.

REMARKS.--Records fair, except those below 70 ft<sup>3</sup>/s, which are poor.

AVERAGE DISCHARGE.--9 years, 88.6 ft<sup>3</sup>/s, 20.29 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 735 ft<sup>3</sup>/s Mar. 13, 1980, gage height, 3.99 ft; minimum daily, 15 ft<sup>3</sup>/s Oct. 4-9, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 460 ft<sup>3</sup>/s Feb. 14; gage height, 3.42 ft; minimum daily, 16 ft<sup>3</sup>/s June 4, 5, 18-21.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	17	24	95	88	231	124	71	26	28	24	44
2	23	17	26	142	142	177	104	70	23	26	20	38
3	23	17	29	183	148	144	97	70	18	30	25	23
4	23	48	27	116	109	148	90	100	16	85	25	20
5	22	63	27	100	97	144	84	81	16	35	20	20
6	22	33	42	92	101	208	82	71	21	42	24	20
7	20	28	37	86	102	231	156	66	65	40	24	20
8	20	27	32	80	94	182	128	62	105	34	26	20
9	20	25	29	82	89	155	182	62	51	25	28	20
10	20	24	27	105	87	140	183	60	39	20	22	26
11	19	25	30	93	100	131	133	58	33	18	21	35
12	19	26	141	81	95	122	114	55	29	19	22	29
13	19	34	84	67	119	113	106	52	26	20	22	23
14	65	30	50	64	380	106	96	50	23	21	21	62
15	37	28	48	64	228	102	125	47	21	20	20	51
16	27	26	91	62	154	102	134	45	19	17	20	30
17	23	25	70	59	152	208	102	43	18	20	20	23
18	21	25	54	57	146	227	105	39	16	24	19	23
19	21	25	51	54	134	162	139	38	16	20	19	24
20	21	25	53	53	125	131	110	37	16	18	19	30
21	21	25	49	92	117	119	95	35	16	20	19	42
22	20	25	44	160	120	114	87	34	20	21	18	33
23	20	24	43	92	215	102	138	32	67	19	18	25
24	19	24	42	78	163	107	208	31	39	18	22	22
25	19	25	42	64	156	135	131	30	29	21	30	20
26	18	24	42	61	138	110	102	39	24	23	39	18
27	18	25	42	75	122	138	82	33	21	26	34	18
28	18	24	41	170	119	138	76	28	19	30	31	17
29	18	25	91	111	---	113	74	26	21	24	29	17
30	17	24	153	106	---	104	72	24	24	19	27	17
31	17	---	143	94	---	126	---	25	---	21	23	---
TOTAL	693	813	1704	2838	3840	4470	3459	1514	877	804	731	810
MEAN	22.4	27.1	55.0	91.5	137	144	115	48.8	29.2	25.9	23.6	27.0
MAX	65	63	153	183	380	231	208	100	105	85	39	62
MIN	17	17	24	53	87	102	72	24	16	17	18	17
CAL YR 1982	TOTAL	23888	MEAN	65.4	MAX	346	MIN	17				
WTR YR 1983	TOTAL	22553	MEAN	61.8	MAX	380	MIN	16				

## SAVANNAH RIVER BASIN

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

LOCATION.--Lat 32°56'20", long 81°30'10", Screven County (GA) - Allendale County (SC), Georgia-South Carolina State line, Hydrologic Unit 03060106, on right bank 500 ft downstream of bridge on U.S. Highway 301, 2.0 mi downstream from Rocky Creek, 9.0 mi east of Millhaven, and at mile 129.2.

DRAINAGE AREA.--8,650 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--October 1939 to September 1970, October 1982 to September 1983.

GAGE.--Water-stage recorder. Datum of gage is 54.42 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow regulated by Hartwell Lake (see 02187250), by Clark Hill Lake (see 02194500), and by other powerplants above station.

AVERAGE DISCHARGE.--32 years, 10,580 ft<sup>3</sup>/s, 16.61 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 141,000 ft<sup>3</sup>/s Aug. 18, 1940; gage height, 27.0 ft; minimum daily, 2,120 ft<sup>3</sup>/s Sept. 9, 1951.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in October 1929 reached a stage of 30.8 ft, from information by Corps of Engineers, discharge, 220,000 ft<sup>3</sup>/s from rating curve extended above 141,000 ft<sup>3</sup>/s.

EXTREMES FOR CURRENT YEAR: Maximum discharge, 60,000 ft<sup>3</sup>/s Apr. 15, gage height, unknown; minimum daily, 5,870 ft<sup>3</sup>/s July 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

JAY	CCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9110	5950	6120	15600	19400	22700	17600	16000	7500	10600	6060	6400
2	8420	6010	6300	16100	18200	22000	18400	15000	7740	10300	6180	7260
3	6570	6200	6630	15200	17700	21400	19000	14800	8040	9540	6390	7540
4	6770	6400	6590	13700	17700	21200	19400	13400	8560	7910	6760	7300
5	7160	6600	6770	14700	18200	21600	19100	13300	8530	7090	7280	6950
6	7130	6800	6690	15700	18900	22700	18200	12900	8030	6840	7330	6500
7	7580	6600	6530	16500	18900	23600	17700	11600	7800	7080	7100	6330
8	7630	6800	6480	17100	17600	23800	17800	10800	8310	7600	6880	6560
9	7660	7000	6420	17400	17000	23700	18400	8900	9610	7710	6750	6720
10	7640	6700	6370	16700	17000	24200	19500	7780	10900	7620	7170	7450
11	6840	6500	6500	14400	17100	25300	21300	8330	11900	6760	8460	7640
12	8400	6400	7100	13500	17100	25800	31300	9380	11000	5940	8810	7070
13	9380	6400	7700	14300	17000	25300	43500	9550	8360	5870	9010	6480
14	8210	6300	8590	14800	16700	24000	57000	9360	7290	6610	7860	6330
15	7110	6300	10600	15000	16000	22100	58000	8670	8060	8790	6610	7940
16	6570	6260	11300	14700	17100	20300	54000	7970	10300	9230	6140	9280
17	6380	6260	11200	12200	18600	19600	48000	7560	13000	7580	6380	8360
18	6330	6300	11000	10100	20300	19400	43000	7410	14200	6770	6700	7380
19	6480	6280	9730	11800	22800	19600	40000	8330	14300	6620	6570	7020
20	6240	6310	7280	13200	25200	19900	37000	8760	11500	6470	6700	6450
21	6500	6320	6580	13800	26100	20300	35000	8470	9570	6490	7620	6470
22	6380	6250	11300	14700	25200	20100	33000	8120	12000	6430	7340	6970
23	7230	6030	13300	15600	23400	19100	32000	7580	14000	6650	6440	7210
24	7610	6060	13200	16300	21800	18400	30000	7060	14800	6950	5880	7320
25	7150	6230	12400	16800	20900	17800	28000	8280	15000	6580	6560	7360
26	7060	6320	11300	17200	20900	17000	26000	8360	14500	6320	7510	7020
27	6640	6350	9080	17900	21500	16400	24000	8270	11100	6610	7280	6410
28	6360	6230	8440	18800	22400	16100	22000	8430	8400	6890	6730	6240
29	6530	6260	9950	19600	---	15900	20000	8550	9320	6710	6330	6480
30	6590	6270	11900	20200	---	16200	18000	7960	10300	6510	6040	6360
31	6240	---	14300	20400	---	16900	---	7360	---	6240	5950	---
TOTAL	221900	190690	277740	484000	550700	642400	886200	298240	313920	225310	214820	210800
MEAN	7158	6356	8959	15610	19670	20720	29540	9621	10460	7268	6930	7027
MAX	9380	7000	14300	20400	26100	25800	53000	16000	15000	10600	9010	9280
MIN	6240	5950	6120	10100	16000	15900	17600	7060	7290	5870	5880	6240

WTR YR 1983 TOTAL 4516720 MEAN 12370 MAX 58000 MIN 5870

02198500 SAVANNAH RIVER NEAR CLYO, GA  
(National stream-quality accounting network station)

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County (GA) - Jasper County (SC), 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 north of Clio, and at mile 60.9.

DRAINAGE AREA.--9,850 mi<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 National Geodetic Vertical Datum of 1929. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft higher. Jan. 31, 1933, to June 12, 1945, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500), and by other powerplants above station.

AVERAGE DISCHARGE.--50 years, 12,000 ft<sup>3</sup>/s, 16.61 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 270,000 ft<sup>3</sup>/s Oct. 6, 1929, gage height, 29.7 ft, present datum (from information by Corps of Engineers), from rating curve extended above 120,000 ft<sup>3</sup>/s; minimum daily, 1,950 ft<sup>3</sup>/s Sept. 27, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 58,300 ft<sup>3</sup>/s Apr. 17, gage height, 18.40 ft; minimum daily, 6,220 ft<sup>3</sup>/s Nov. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3350	6600	6380	12100	18800	23500	19000	26300	7940	11100	6540	6260
2	9000	7000	6260	13100	20000	21000	18800	24800	7810	11300	6380	6590
3	8210	6800	6330	14000	20900	23000	18700	23500	7970	11200	6410	7240
4	7190	6500	6600	14500	21100	23200	18900	22900	8210	10700	6600	7630
5	7020	6400	6660	14900	20800	23300	19300	22000	8630	9310	6900	7600
6	7100	6400	6790	14900	20300	23500	19800	20300	9010	8090	7330	7390
7	7340	6500	6790	15000	19700	24300	20200	18400	8690	7630	7540	7080
8	7590	6600	6660	15200	19300	24600	20400	16800	8630	7630	7460	6900
9	7780	6700	6590	15700	19200	25000	20400	15400	8980	8030	7290	7010
10	7840	6900	6530	16400	19100	25600	20100	13500	9880	8270	7140	7170
11	8110	7100	6520	16800	19000	26200	19800	11000	10800	8280	7310	7560
12	7660	7200	6800	17100	18600	26700	19800	10000	11500	7670	8150	7860
13	7130	7000	7160	16900	18400	27100	20200	10300	11600	6820	8760	7520
14	7510	6800	7620	16500	18600	27400	22500	10600	10200	6470	9000	7250
15	8740	6600	8370	15900	18700	27900	34900	10600	8470	6870	8400	6970
16	9240	6440	9780	15500	18800	27800	52800	10100	8470	8330	7280	7670
17	8430	6520	10700	15300	19300	27500	57900	9300	9810	9160	6610	8940
18	7470	6500	11000	14900	19500	26400	56500	8710	11200	8280	6580	8860
19	6970	6500	11100	13800	19800	25000	53300	8400	12200	7330	6800	8050
20	6800	6480	10600	12800	20200	23700	49900	8860	12800	6990	6790	7580
21	6780	6490	8730	12900	21000	22800	46100	9300	12800	6800	6830	7240
22	6800	6500	7530	13600	22500	22100	41800	9230	11900	6740	7400	7050
23	6800	6470	9780	14000	25200	21700	38900	8390	11700	6720	7480	7330
24	7000	6280	11400	14500	27700	21700	37100	8390	12400	6810	6860	7600
25	7500	6220	12100	14900	28500	21800	35700	7900	13100	7040	6290	7730
26	8000	6330	12400	15300	27500	21500	34800	8450	13600	6920	6570	7740
27	8600	6440	12100	15700	26000	21300	34000	8780	14000	6660	7350	7500
28	8400	6480	10800	16200	24400	20900	32700	8750	13900	6770	7400	7000
29	8200	6400	9390	16600	---	20300	30800	8810	12200	7000	7010	6700
30	7200	6380	9950	17200	---	19700	28400	8900	11000	6970	6620	6780
31	6700	---	11000	18000	---	19400	---	8520	---	6790	6330	---
TOTAL	237460	197530	270440	470200	592900	737900	943500	397690	319400	244680	221410	221800
MEAN	7660	6584	8724	15170	21180	23800	31450	12830	10650	7893	7142	7393
MAX	9240	7200	12400	18000	28500	27900	57900	26300	14000	11300	9000	8940
MIN	6700	6220	6280	12100	18400	19400	18700	7900	7810	6470	6290	6260
WTR YR 1983	TOTAL	4854910	MEAN	13300	MAX	57900	MIN	6220				
CAL YR 1982	TOTAL	3205730	MEAN	8783	MAX	19400	MIN	6220				



## SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1965 to current year.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	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)	
OCT 04...	1000	7090	--	6.8	21.0	--	764	6.3	70	--	--	--	
NOV 16...	1200	6420	--	7.3	15.0	--	769	7.9	78	--	--	--	
18...	1200	6500	86	7.1	15.5	4.4	766	7.4	74	K28	390	18	
DEC 08...	1245	6710	--	--	14.0	--	772	7.8	75	--	--	--	
JAN 12...	1200	17200	102	6.8	9.0	--	765	9.4	81	--	--	--	
FEB 08...	1400	19270	60	6.5	8.5	14	762	9.2	79	120	200	15	
09...	1125	19200	73	6.9	7.0	--	766	9.4	77	--	--	--	
MAR 14...	1030	27300	--	6.9	16.5	--	764	7.9	81	--	--	--	
APR 05...	1230	19300	--	6.9	14.0	--	768	7.9	76	--	--	--	
MAY 05...	1900	21600	80	6.1	20.0	13	760	6.0	66	38	340	18	
17...	0900	9380	93	7.1	21.5	--	767	8.9	100	--	--	--	
JUN 07...	1120	--	161	7.1	23.0	--	759	7.1	83	--	--	--	
JUL 06...	0920	--	78	7.0	25.5	--	762	6.3	77	--	--	--	
AUG 03...	1800	6480	89	6.4	26.5	10	765	7.4	92	K45	240	18	
09...	1055	--	82	7.4	27.0	--	762	6.2	78	--	--	--	
SEP 06...	1100	--	81	7.3	26.0	--	766	6.6	81	--	--	--	
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 AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	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 04...	--	--	--	--	--	--	--	--	22	--	--	--	--
NOV 16...	--	--	--	--	--	--	--	--	23	--	--	--	--
18...	0	4.9	1.3	10	52	1.1	1.8	23	10	6.9	<.10	10	--
DEC 08...	--	--	--	--	--	--	--	--	23	--	--	--	--
JAN 12...	--	--	--	--	--	--	--	--	15	--	--	--	--
FEB 08...	0	4.0	1.3	6.2	44	.7	1.5	16	12	5.3	<.10	9.4	--
09...	--	--	--	--	--	--	--	--	16	--	--	--	--
MAR 14...	--	--	--	--	--	--	--	--	14	--	--	--	--
APR 05...	--	--	--	--	--	--	--	--	16	--	--	--	--
MAY 05...	0	4.9	1.4	6.4	41	.7	1.5	20	11	6.5	<.10	7.6	--
17...	--	--	--	--	--	--	--	--	20	--	--	--	--
JUN 07...	--	--	--	--	--	--	--	--	18	--	--	--	--
JUL 06...	--	--	--	--	--	--	--	--	20	--	--	--	--
AUG 03...	0	4.9	1.3	10	53	1.1	1.4	22	10	8.0	.10	9.7	--
09...	--	--	--	--	--	--	--	--	20	--	--	--	--
SEP 06...	--	--	--	--	--	--	--	--	19	--	--	--	--

02198500 SAVANNAH RIVER NEAR CLYO, GA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983--Continued

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT												
04...	--	--	--	--	--	--	--	--	.070	--	--	--
NOV												
16...	--	--	--	--	--	--	--	--	.070	--	--	--
18...	60	59	.08	--	.30	.030	.04	.20	.060	.18	.080	.070
DEC												
08...	--	--	--	--	--	--	--	--	.100	--	--	--
JAN												
12...	--	--	--	--	--	--	--	--	.070	--	--	--
FEB												
08...	53	50	.07	2820	.22	.030	.04	.40	.060	.18	.030	.020
09...	--	--	--	--	--	--	--	--	.060	--	--	--
MAR												
14...	--	--	--	--	--	--	--	--	.040	--	--	--
APR												
05...	--	--	--	--	--	--	--	--	.040	--	--	--
MAY												
05...	64	52	.09	--	.30	.060	.08	.30	.080	.25	.070	.040
17...	--	--	--	--	--	--	--	--	.100	--	--	--
JUN												
07...	--	--	--	--	--	--	--	--	.140	--	--	--
JUL												
06...	--	--	--	--	--	--	--	.30	.080	--	--	--
AUG												
03...	65	59	.09	1140	.47	.030	.04	.30	.080	.25	.090	.050
09...	--	--	--	--	--	--	--	.20	.110	--	--	--
SEP												
06...	--	--	--	--	--	--	--	.40	.090	--	--	--

DATE	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
NOV												
18...	.21	<10	1	27	<1	<1	<1	<3	1	160	<1	<4
FEB												
08...	.06	20	1	88	<1	<1	3	4	7	280	2	<4
MAY												
05...	.12	100	1	67	<1	<1	<1	<3	2	440	11	<4
AUG												
03...	.15	300	1	43	<1	<1	<1	<3	10	190	4	<4

02198500 SAVANNAH RIVER NEAR CLYO, GA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1993--Continued

DATE	MANGANESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 18...	9	<.1	<10	2	<1	1	30	<6.0	6	10	--	65
FEB 08...	14	.5	<10	2	<1	<1	27	<6.0	21	20	1060	62
MAY 05...	29	.2	10	4	<1	<1	34	<6.0	3	--	--	87
AUG 03...	10	<.1	<10	4	<1	<1	32	<6.0	6	31	545	56

DATE	TIME	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 (PCI/L METHOD)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
FEB 08...	1400	1.9	<1.0	2.4	<1.1	2.3	<1.1	.07	.24
AUG 03...	1800	<1.2	.8	1.6	.6	1.6	.6	.05	.03

NOTE: "K" denotes a bacteria count outside ideal limits.  
">" denotes a value greater than that listed.  
"<" denotes a value less than that listed.

## 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 upstream from Beaverdam Creek, and 4.7 mi west of Hartsville. Drainage area, 173 mi<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 upstream from Big Dutchman Creek, 3.5 mi upstream from U.S. Highway 21, 3.5 mi northwest of Fort Mill, and at mile 138.5. Drainage area, 3,020 mi<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 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> between gage heights 95.0 ft and 100.0 ft. Dead storage 4,022,000,000 ft<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 upstream from State Highway 97, 0.5 mi upstream from Fishing Creek, 2.5 mi north of Great Falls, and at mile 100.5. Drainage area 3,810 mi<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 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> between gage heights 95.0 ft and 100.0 ft. Dead storage 963,100,000 ft<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 upstream from Graungs Quarter Creek, 8.75 mi northwest of Camden, and at mile 73.5. Drainage area 4,750 mi<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 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> between gage heights 95.0 ft and 100.0 ft. Dead storage 4,831,600,000 ft<sup>3</sup>. Records furnished by Duke Power Co.

## MONTH-END GAGE HEIGHTS OR ELEVATIONS, AND CONTENTS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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, 1982	220.6	1,310		96.8	8,733		98.2	1,375		97.1	5,957	
Oct. 31	221.2	1,369	20.0	97.3	8,981	92.6	97.9	1,334	-15.3	97.1	5,957	0
Nov. 30	220.3	1,280	-34.3	97.3	8,981	0	95.0	963	-143.1	97.2	6,012	21.2
Dec. 31, 1982	221.0	1,349	25.8	97.0	8,832	-55.6	95.3	999	13.4	97.2	6,012	0
CAL YR 1982			-2.6			-27.4			-5.6			-21.5
Jan. 31, 1983	221.1	1,359	-3.7	97.0	8,832	0	97.5	904	35.5	96.8	5,792	-82.1
Feb. 28	221.6	1,410	21.1	97.3	8,981	61.6	95.4	1,012	44.6	96.2	5,466	-134.8
Mar. 31	221.2	1,369	-15.3	99.4	10,066	405.1	99.8	1,601	219.9	100.8	8,100	983.4
Apr. 30	221.1	1,359	-3.9	99.7	10,226	61.7	95.9	1,074	-203.3	98.7	6,862	-477.6
May 31	220.9	1,339	-7.5	97.6	9,132	408.5	96.2	1,111	13.8	96.0	5,359	-561.2
June 30	220.5	1,300	-15.0	96.7	8,683	-173.2	97.2	1,240	49.8	96.9	5,847	-188.3
July 31	220.4	1,290	-3.7	97.0	8,832	55.6	97.6	1,293	19.8	97.0	5,902	20.5
Aug. 31	219.8	1,332	-21.7	97.1	8,881	18.3	96.8	1,188	-39.2	97.0	5,902	0
Sept. 30, 1983	220.4	1,290	22.4	96.7	8,683	76.4	96.9	1,201	5.0	97.0	5,902	0
WTR YR 1983			-0.6			-1.6			-5.5			-1.7



## 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 1983 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, SC	Lat 34°40'09", long 80°09'11", Chesterfield County, on upstream side of culvert on State Highway 145, 5.5 mi southwest of Chesterfield.	4.10	1975-83	3-18-83	6.46	(+)
02130550	Herndon Branch near Bennettsville, SC	Lat 34°38'27", long 79°44'46", Marlboro County, on upstream side of culvert on State Highway 9, 4.5 mi northwest of Bennettsville.	3.34	1975-83	3-18-83	5.00	(+)
02130800	Back Swamp near Darlington, SC	Lat 34°18'11", long 79°46'07", Darlington County, on upstream side of culvert on State Highway 35, 5.7 mi east of Darlington.	6.22	1975-83	4-10-83	8.59	267
02131110	Jeffries Creek above Florence, SC	Lat 34°10'40", long 79°48'34", Florence County, at bridge on State Highway 29, 2.6 mi southwest of Florence, and 5.0 mi upstream from confluence with Middle Swamp.	46.6	1968-83	3-18-83	8.15	1,430
02131460	Neds Creek near Kershaw, SC	Lat 34°32'39", long 80°37'39", Kershaw County, on upstream side of concrete pipe culvert on State Highway 413, 1.0 mi upstream from Little Lynches River, and 3.2 mi east of Kershaw.	3.98	1975-83	3-18-83	(a)	(+)
02131500	Lynches River near Bishopville, SC	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 mi upstream from Seaboard Coast Line Railroad bridge, 2.9 mi northeast of Bishopville, 3.0 mi downstream from Bells Branch, and at mile 89.5.	675	1942-71+ 1972-83	3-23-83	(a)	(+)
02131990	Carter Creek at Effingham, SC	Lat 34°03'51", long 79°46'03", Florence County, on upstream side of culvert on U.S. Highway 301, 0.8 mi northwest of Effingham, and 0.9 mi upstream from Lynches River.	8.28	1974-83	3-24-83	6.48	406
02132100	Two Mile Branch near Lake City, SC	Lat 33°53'38", long 79°45'38", Florence County, at culvert on U.S. Highway 378 By-Pass, and 1.4 mi north of Lake City.	19.0	1974-83	7-10-83	5.83	394
02132500	Little Pee Dee River near Dillon, SC	Lat 34°24'17", long 79°20'25", Dillon County, on downstream side of bridge on State Highway 9, 1.9 mi southeast of Dillon, 3.9 mi upstream from Maple Swamp, and at mile 88.3.	524	1939-71+ 1972-83	4-10-83	12.38	6,130
02135620	Belt Branch near Manning, SC	Lat 33°41'54", long 80°13'50", Clarendon County, on downstream side of culvert on State Highway 261, 1.1 mi upstream from Pacotaligo Swamp.	0.83	1974-83	3-19-83	3.90	11
02136010	Chaney Swamp near Greeleyville, SC	Lat 33°35'12", long 79°56'48", Williamsburg County, at culvert on U.S. Highway 52, 2.5 mi upstream from Rocky Ford Swamp, and 2.5 mi east of Greeleyville.	17.0	1974-83	1-5-83	5.39	140
Santee River basin							
02147600	Scabber Branch near Great Falls, SC	Lat 34°30'17", long 81°00'22", Fairfield County, on upstream side of box culvert on State Highway 200, 1.1 mi upstream of Big Wateree Creek, and 7.0 mi southwest of Great Falls.	4.55	1975-83	7-5-83	6.15	1,100
02153500	Broad River at Gaffney, SC	Lat 35°05'20", long 81°34'20", Cherokee County, on right bank at downstream side of bridge on U.S. Hwy. 29, 0.3 mi upstream from Cherokee Creek, 4.4 mi downstream from Gaston Shoals Dam, 4.5 mi east of Gaffney, and at mile 270.3.	1490	1938-71+ 1972-83	2-3-83	9.98	21,900

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1983 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							
02153750	Buck Horn Creek near York, SC	Lat 35°02'09", long 81°18'44", York County, on upstream side of culvert on State Highway 5, 4.5 mi upstream from Bullocks Creek, and 4.0 mi northwest of York.	5.23	1975-83	3-27-83	(a)	(+)
02156300	Lawsons Fork Creek at Spartanburg, SC	Lat 34°56'53", long 81°52'08", Spartanburg County, on downstream side of bridge on secondary road, 0.8 mi east of Spartanburg.	74.7	1966-70† 1970-83	12-12-82	11.80	2,140
02157500	Middle Tyger River at Lyman, SC	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† 1970-83	2-23-83	(a)	(+)
02159600	Dutchman Creek near Pauline, SC	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 mi southwest of Pauline.	8.97	1966-83	3-18-83	(a)	(+)
02160000	Fairforest Creek near Union, SC	Lat 34°40'45", long 81°41'25", Union County, on right bank at downstream side of bridge on State Highway 49, 0.3 mi downstream from Buffalo Creek, 4.3 mi southwest of Union, and at mile 7.5.	183	1940-71† 1972-83	3-18-83	5.36	2,700
02160130	Enoree River near Travelers Rest, SC	Lat 34°59'21", long 82°25'15", Greenville County, on upstream side of culvert on U.S. Highway 25, 0.6 mi upstream from North Enoree River and 2.0 mi northeast of Travelers Rest.	5.37	1974-83	5-20-83	(a)	(+)
02160500	Enoree River near Enoree, SC	Lat 34°36'38", long 81°54'35", Spartanburg County, on left bank 60 ft upstream from bridge on State Highway 49, 0.6 mi upstream from Warrior Creek, 3.0 mi southeast of Enoree, and at mile 47.7.	307	1929-76† 1977-83	3-18-83	4.19	3,420
02160800	Second Creek near Pomaria, SC	Lat 34°20'06", long 81°30'11", Newberry County, on upstream side of culvert on U.S. Highway 176, 5.5 mi upstream of Hellers Creek, and 7.2 mi northwest of Pomaria.	1.87	1975-83	3-17-83	4.37	116
02162500	Saluda River near Greenville, SC	Lat 34°50'32", long 82°28'51", Pickens County, on right bank 700 ft upstream from bridge on State Road 124, 1.6 mi downstream from Saluda Lake Dam, 2.4 mi upstream from Georges Creek, 4.6 mi west of City Hall in Greenville, and at mile 132.0.	295	1941-83	2-23-83	(a)	(+)
02163000	Saluda River near Pelzer, SC	Lat 34°40'05", long 82°27'55", Anderson County, on right bank 0.4 mi downstream from Hurricane Creek, 1.9 mi north of Pelzer, and at mile 114.2.	405	1929-71† 1972-83	2-23-83	(a)	(+)
02165350	Dirty Creek Tributary near Laurens, SC	Lat 34°29'44", long 82°05'15", Laurens County, on upstream side of culvert on State Highway 252, 2.8 mi upstream of Dirty Creek and 4.1 mi west of Laurens.	1.21	1975-83	2-28-83	(a)	(+)
02167200	Campbell Creek Tributary near Cross Hill, SC	Lat 34°18'18", long 81°58'53", Laurens County, at culvert on State Highway 560, 1.8 mi upstream from Campbell Creek, and 4.4 mi northeast of Cross Hill.	0.62	1974-83	3-6-83	6.85	161
02167750	Camping Creek Tributary near Prosperity, SC	Lat 34°12'35", long 81°30'08", Newberry County, on upstream side of culvert on County Road 437, 0.35 mi above Camping Creek, and 1.8 mi east of Prosperity.	0.52	1974-83	3-17-83	4.91	52
02169540	Savanna Branch near Cayce, SC	Lat 33°55'47", long 81°07'05", Lexington County, on upstream side of culvert on South Carolina Highway 215, 0.75 mi upstream from Congaree Creek and 3.9 mi southwest of Cayce.	7.15	1974-83	3-17-83	5.02	(+)
02169960	Lake Marion Tributary near Vance, SC	Lat 33°27'26", long 80°26'32", Orangeburg County, on upstream side of box culvert on State Highway 6, 1.4 mi upstream from Lake Marion and 2.0 mi northeast of Vance.	2.12	1975-83	3-17-83	4.79	12

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1983 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)
Edisto River basin							
02172500	South Fork Edisto River near Montmorenci, SC	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 mi upstream from Cedar Creek, 1 mi upstream from Shaw Creek, 7.6 mi northeast of Montmorenci, and at mile 167.3.	198	1939-66† 1967-83	4-11-83	9.36	3,210
02173250	Ritter Branch near Perry, SC	Lat 33°38'10", long 81°16'04", Aiken County, at culvert on State Highway 14, 0.3 mi upstream from Hollow Creek, 2.6 mi southeast of Perry.	2.22	1975-83	4-9-83	3.14	(+)
Combahee River basin							
02175300	Turkey Creek near Barnwell, SC	Lat 33°17'05", long 81°21'46", Barnwell County, at bridge on State Highway 168, 0.5 mi downstream from Long Branch, and 3.0 mi north of Barnwell.	22.8	1975-83	6-8-83	4.19	88
02175450	Savannah Creek near Ehrhardt, SC	Lat 33°02'03", long 81°03'11", Colleton County, on upstream side of culvert on State Highway 641, 1.2 mi upstream from Salkehatchie River, and 6.0 mi north of Miley.	3.02	1975-83	2-17-83	5.89	(+)
02176100	Remick Swamp near Hendersonville, SC	Lat 32°48'45", long 80°42'20", Colleton County, at culvert on U.S. Highway 17-A, 1.5 mi upstream from Bluehouse Swamp, and 2.0 mi northeast of Hendersonville.	7.67	1975-83	3-22-83	(a)	(+)
Savannah River basin							
02184100	Cleveland Creek near Fairplay, SC	Lat 34°31'32", long 82°59'29", Oconee County, on upstream side of culvert on State Highway 59, 1.0 mi northwest of Fairplay, and 2.4 mi upstream from Beaver Dam Creek.	5.61	1974-83	1-22-83	(a)	(+)
02185400	Cane Creek near Walhalla, SC	Lat 34°46'48", long 83°06'22", Oconee County, on upstream side of culvert, on State Highway 28, 2.5 mi northwest of Walhalla.	1.08	1975-83	1-22-83	(a)	(+)
02187900	Broadway Creek near Anderson, SC	Lat 34°30'09", long 82°35'00", Anderson County, at bridge on State Highway 48, 0.1 mi downstream from Cupboard Creek and 3.8 mi east of Anderson.	26.4	1975-83	3-27-84	(a)	(+)
02192450	Camp Creek near Honea Path, SC	Lat 34°23'18", long 82°29'00", Anderson County, on upstream side of culvert on State Highway 185, 2.0 mi upstream from Little River, and 6.7 mi southwest of Honea Path.	1.59	1975-83	(b)	(a)	(+)
02192500	Little River near Mount Carmel, SC	Lat 34°04'13", long 82°30'02", McCormick County, on right bank, 480 ft downstream from Island Ford bridge, and 4.5 mi north of Mount Carmel.	217	1939-70† 1971-83	3-6-83	(a)	(+)
02195660	Log Creek near Edgefield, SC	Lat 33°48'03", long 81°52'39", Edgefield County, on upstream side of culvert on State Highway 23, 3.3 mi east of Edgefield.	1.18	1975-83	(b)	(a)	(+)
02197410	Miller Creek Tributary near Baldoc, SC	Lat 33°04'08", long 81°24'26", Allendale County, on upstream side of culvert on State Highway 125, 0.6 mi upstream from Miller Creek, and 1.1 mi southeast of Baldoc.	7.51	1975-83	2-17-83	3.71	(+)

+ Discharge not determined.

† Operated as a continuous-record gaging station.

a Stage not determined.

b Date unknown.

GROUND WATER RECORDS



## GROUND WATER LEVELS

## AIKEN COUNTY

331940081443501. Local number, AK-430.

LOCATION.--Lat 33°19'40", long 81°44'35", Hydrologic Unit 03060106, at Savannah River Plant near Aiken, S.C.

Owner: U.S. Department of Energy.

AQUIFER.--Sands of the Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 18 in from surface to 279 ft, 8 in from 279 ft to 605 ft, depth 605 ft, screened intervals 390-400 ft, 455-465 ft, 590-600 ft.

DATUM.--Land-surface datum is 357 ft 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.

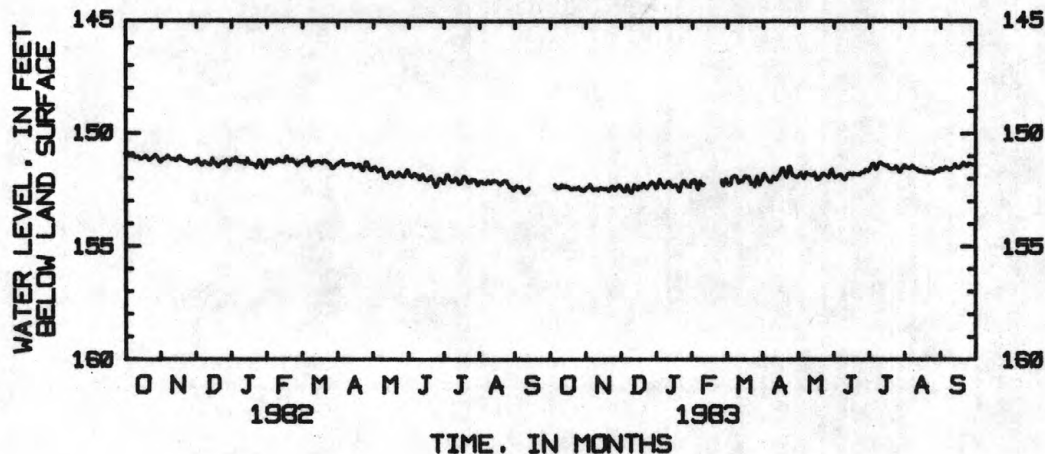
PERIOD OF RECORD.--1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 144.82 ft below land-surface datum, Feb. 23, 1966; lowest, 153.99 ft below land-surface datum, Sept. 16, 18, 19, 24, 26, 1970.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	152.43	152.44	152.39	152.19	152.03	152.09	151.95	151.75	151.70	151.43	151.57
2	---	152.39	152.52	152.15	152.07	152.14	151.89	151.92	151.92	151.65	151.46	151.61
3	---	152.36	152.58	152.04	152.10	152.28	151.79	151.83	151.98	151.56	151.54	151.64
4	152.29	152.28	152.58	152.20	152.36	152.30	151.89	151.77	151.94	151.46	151.54	151.62
5	152.31	152.39	152.42	152.28	152.50	152.27	151.98	151.85	151.90	151.35	151.55	151.55
6	152.36	152.50	152.31	152.32	152.30	152.01	152.07	151.95	151.86	151.37	151.57	151.51
7	152.43	152.51	152.42	152.41	152.12	151.92	152.16	152.02	151.83	151.52	151.52	151.55
8	152.44	152.48	152.58	152.36	152.23	151.91	152.16	151.89	151.84	151.62	151.45	151.59
9	152.42	152.48	152.63	152.29	152.31	151.90	152.15	151.75	151.94	151.54	151.49	151.64
10	152.31	152.48	152.64	152.18	152.27	151.92	152.04	151.81	152.03	151.39	151.57	151.65
11	152.29	152.53	152.50	152.14	---	152.07	151.94	151.84	152.07	151.30	151.62	151.58
12	152.39	152.46	152.29	152.19	---	152.19	152.01	151.84	152.03	151.32	151.62	151.53
13	152.36	152.42	152.36	152.34	---	152.17	152.07	151.86	151.86	151.34	151.66	151.50
14	152.34	152.48	152.49	152.39	---	152.09	151.99	151.87	151.81	151.40	151.71	151.38
15	152.39	152.45	152.50	152.32	---	152.14	151.89	151.87	151.80	151.43	151.67	151.50
16	152.36	152.50	152.35	152.32	---	152.11	151.84	151.78	151.82	151.46	151.69	151.55
17	152.43	152.48	152.36	152.30	---	151.94	151.73	151.90	151.85	151.44	151.73	151.54
18	152.48	152.46	152.43	152.39	---	151.88	151.57	152.05	151.84	151.45	151.73	151.51
19	152.50	152.49	152.33	152.52	---	151.98	151.55	152.07	151.80	151.52	151.74	151.46
20	152.49	152.57	152.22	152.60	---	152.03	151.69	152.01	151.82	151.57	151.74	151.43
21	152.44	152.52	152.31	152.41	---	151.92	151.84	151.98	151.84	151.60	151.73	151.32
22	152.44	152.42	152.41	152.25	---	152.12	151.96	151.90	151.84	151.60	151.71	151.36
23	152.48	152.35	152.46	152.13	---	152.26	151.83	151.79	151.83	151.59	151.74	151.46
24	152.45	152.38	152.34	152.11	---	152.19	151.50	151.79	151.84	151.56	151.75	151.49
25	152.39	152.53	152.29	152.21	152.09	152.25	151.48	151.86	151.77	151.49	151.76	151.44
26	152.48	152.51	152.22	152.31	152.25	152.37	151.64	151.88	151.74	151.53	151.79	151.35
27	152.53	152.43	152.16	152.33	152.32	152.10	151.83	151.93	151.73	151.65	151.78	151.37
28	152.54	152.38	152.21	152.35	152.14	151.93	151.90	151.98	151.72	151.73	151.70	151.40
29	152.56	152.30	152.25	152.37	---	152.16	151.91	151.88	151.63	151.72	151.66	151.42
30	152.53	152.37	152.37	152.21	---	152.30	151.96	151.66	151.66	151.62	151.69	151.41
31	152.50	---	152.46	152.10	---	152.16	---	151.61	---	151.53	151.71	---
MEAN		152.44	152.40	152.29		152.10	151.88	151.87	151.84	151.52	151.65	151.50
MAX		152.57	152.64	152.60		152.37	152.16	152.07	152.07	151.73	151.79	151.65
MIN		152.28	152.16	152.04		151.88	151.48	151.61	151.63	151.30	151.43	151.32

## HYDROGRAPH



## BARNWELL COUNTY

332358081252000. Local number, BRN-78.

LOCATION.--Lat 33°23'58", long 81°25'20", Hydrologic Unit 03050207, 26 ft south of West Street, 41 ft east of Elko Street in Williston.

Owner: Town of Williston.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 12 in to 500 ft, 10 in from 500 ft to 785 ft, depth 785 ft, screened intervals 568-578 ft, 599-604 ft, 638-658 ft, 702-712 ft, 734-744 ft, 760-770 ft, gravel packed.

DATUM.--Land-surface datum is 340 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft above land-surface datum.

REMARKS.--Test hole Gamma logged Aug. 6, 1970 to 808 ft. Resistivity logged Aug. 6, 1970 to 800 ft.

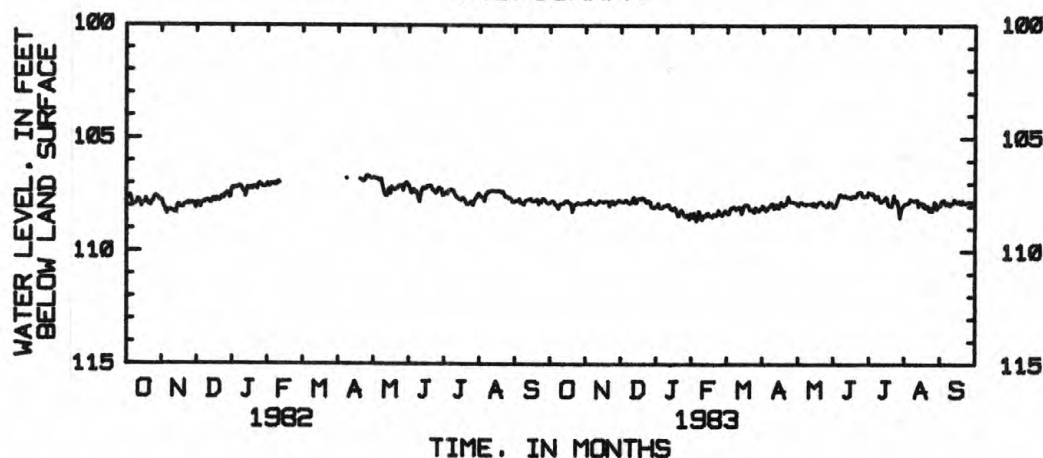
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 106.67 ft below land-surface datum, Apr. 27, 1982; lowest, 108.67 ft below land-surface datum, Feb. 4, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107.87	107.83	107.81	108.00	108.53	108.20	108.11	107.87	107.97	107.58	107.98	107.98
2	107.78	107.92	107.83	107.88	108.31	108.30	107.97	107.96	108.05	107.38	107.91	107.97
3	107.79	107.80	107.83	108.09	108.47	108.35	108.03	107.99	108.03	107.42	107.88	107.77
4	107.81	107.72	107.79	108.11	108.67	108.33	108.15	107.87	107.99	107.47	107.88	107.75
5	107.92	107.86	107.73	108.09	108.57	108.22	108.22	107.83	107.85	107.45	107.83	107.73
6	107.96	107.85	107.76	108.05	108.23	108.07	108.18	107.87	107.69	107.44	107.84	107.90
7	108.05	107.85	107.85	107.99	108.33	108.06	108.06	107.90	107.53	107.56	107.69	107.94
8	108.14	107.90	107.89	107.98	108.51	108.02	108.03	107.95	107.47	107.69	107.72	107.83
9	107.99	107.94	107.86	107.98	108.51	108.07	107.96	107.97	107.53	107.59	107.75	107.95
10	107.89	107.88	107.84	107.93	108.44	108.17	107.88	107.90	107.58	107.54	107.79	107.97
11	107.88	107.84	107.70	107.95	108.42	108.10	107.90	107.89	107.59	107.68	107.75	107.85
12	107.90	107.76	107.61	108.08	108.48	108.05	108.13	107.92	107.52	107.81	107.72	107.90
13	107.86	107.78	107.87	108.17	108.32	108.02	108.02	107.91	107.59	107.84	107.73	107.84
14	107.78	107.80	107.87	108.21	108.32	108.13	107.93	107.88	107.62	107.77	108.02	107.70
15	107.82	107.80	107.75	108.15	108.43	108.35	108.08	107.98	107.59	107.74	107.86	107.76
16	107.76	107.84	107.66	108.08	108.46	108.21	108.10	107.85	107.60	107.68	107.83	107.85
17	107.85	107.79	107.68	108.18	108.49	107.99	107.92	107.97	107.66	107.60	107.87	107.79
18	107.89	107.79	107.70	108.32	108.47	107.93	107.82	108.03	107.61	107.67	108.03	107.77
19	107.91	107.80	107.62	108.46	108.36	107.99	107.90	107.88	107.54	107.93	107.90	107.88
20	108.27	107.81	107.63	108.43	108.37	107.95	108.00	107.87	107.57	108.01	108.10	107.91
21	108.04	108.02	107.68	108.25	108.43	108.01	107.89	107.80	107.59	108.03	107.99	107.77
22	107.94	107.90	107.78	108.19	108.37	108.18	107.92	107.81	107.53	108.02	107.99	107.83
23	107.92	107.78	107.85	108.27	108.19	108.18	107.81	107.84	107.41	107.78	108.21	107.90
24	107.88	107.79	107.77	108.40	108.29	108.15	107.57	107.93	107.40	107.52	108.23	107.86
25	107.84	107.91	107.78	108.49	108.38	108.22	107.72	107.97	107.36	107.82	108.07	107.84
26	107.88	107.88	107.84	108.50	108.43	108.29	107.82	107.97	107.40	107.74	108.23	107.82
27	107.90	107.84	108.06	108.38	108.34	108.06	107.83	108.02	107.55	107.81	108.08	107.80
28	107.89	107.78	108.08	108.48	108.27	108.14	107.83	108.03	107.60	108.08	107.80	107.83
29	107.87	107.72	108.10	108.58	---	108.21	107.85	107.82	107.54	108.54	107.89	107.83
30	107.87	107.79	108.02	108.34	---	108.22	107.84	107.89	107.53	108.26	108.15	107.83
31	107.87	---	108.04	108.49	---	108.11	---	107.85	---	108.06	107.99	---
MEAN	107.90	107.83	107.82	108.21	108.41	108.14	107.95	107.91	107.62	107.76	107.93	107.85
MAX	108.27	108.02	108.10	108.58	108.67	108.35	108.22	108.03	108.05	108.54	108.23	107.98
MIN	107.76	107.72	107.61	107.88	108.19	107.93	107.57	107.80	107.36	107.38	107.69	107.70

## HYDROGRAPH



## GROUND WATER LEVELS

## BARNWELL COUNTY

331518081280301. Local number, BRN-102.

LOCATION.--Lat 33°15'18", Long 81°28'03", Hydrologic Unit 03060106, Chem-Nuclear plant near Barnwell, SC.

OWNER: Chem-Nuclear Systems, Inc.

AQUIFER.--Ellenton Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 404 ft, screened interval 394-404 ft.

DATUM.--Land-surface datum is 258.15 ft, National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.10 ft above land surface datum.

REMARKS.--Also known as CE-7M and WM0014.

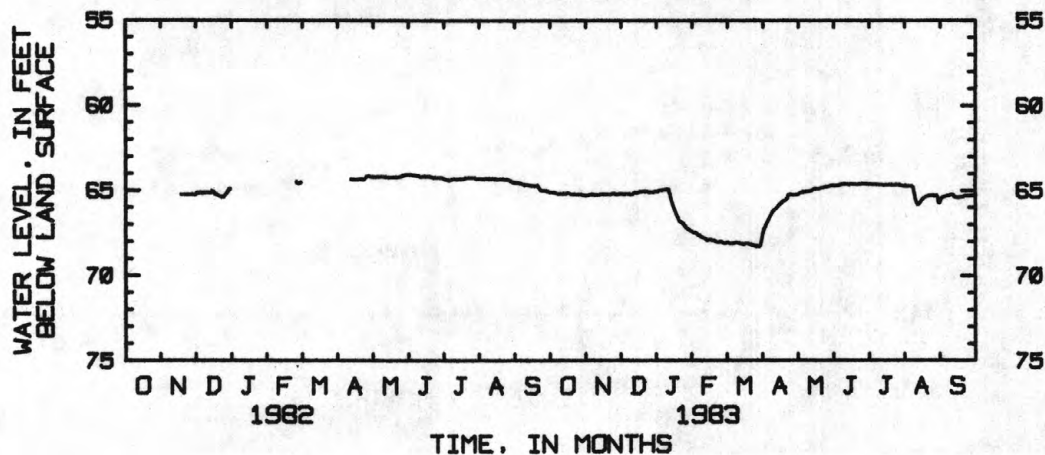
PERIOD OF RECORD.--August 1976 to current year.

EXTREMES OF PERIODS OF RECORD.--Highest mean water level 63.77 ft below land-surface datum, Feb. 16, 1978; lowest, 70.46 ft below land surface datum, May 26, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65.08	65.26	65.16	65.04	67.47	68.07	67.90	65.21	64.66	64.59	64.70	65.71
2	65.08	65.26	65.17	65.01	67.48	68.05	67.51	65.19	64.67	64.60	64.71	65.50
3	65.08	65.25	65.18	64.95	67.48	68.05	67.22	65.16	64.68	64.60	64.72	65.40
4	65.09	65.22	65.19	64.94	67.53	68.07	67.09	65.11	64.68	64.61	64.72	65.36
5	65.11	65.20	65.17	64.94	67.60	68.10	66.96	65.08	64.68	64.61	64.72	65.34
6	65.13	65.20	65.16	64.93	67.65	68.10	66.82	65.06	64.67	64.61	64.72	65.31
7	65.16	65.21	65.17	64.92	67.67	68.10	66.68	65.06	64.65	64.61	64.72	65.29
8	65.16	65.23	65.18	64.90	67.71	68.08	66.54	65.05	64.61	64.62	64.71	65.28
9	65.16	65.23	65.20	64.90	67.77	68.06	66.40	65.03	64.60	64.63	64.78	65.28
10	65.17	65.23	65.20	64.89	67.80	68.05	66.26	65.02	64.60	64.63	65.12	65.24
11	65.17	65.23	65.19	64.90	67.81	68.06	66.17	65.02	64.60	64.63	65.47	65.22
12	65.17	65.22	65.11	65.14	67.86	68.08	66.10	65.01	64.60	64.63	65.73	65.21
13	65.17	65.19	65.09	65.47	67.92	68.09	66.05	64.99	64.60	64.63	65.84	65.28
14	65.16	65.18	65.10	65.73	67.89	68.11	66.00	64.97	64.61	64.64	65.81	65.39
15	65.14	65.18	65.11	65.93	67.87	68.11	65.93	64.93	64.61	64.64	65.70	65.40
16	65.12	65.19	65.08	66.11	67.87	68.14	65.84	64.89	64.60	64.64	65.59	65.40
17	65.13	65.19	65.05	66.28	67.88	68.14	65.78	64.86	64.60	64.64	65.50	65.40
18	65.16	65.19	65.05	66.45	67.90	68.09	65.70	64.87	64.60	64.64	65.43	65.38
19	65.19	65.19	65.05	66.61	67.93	68.08	65.61	64.88	64.60	64.63	65.38	65.37
20	65.20	65.19	65.03	66.76	67.98	68.09	65.57	64.87	64.61	64.63	65.34	65.36
21	65.20	65.19	65.02	66.84	68.03	68.10	65.56	64.85	64.61	64.65	65.30	65.34
22	65.20	65.19	65.03	66.88	68.05	68.14	65.53	64.83	64.61	64.65	65.28	65.30
23	65.21	65.17	65.04	66.93	68.03	68.17	65.43	64.81	64.62	64.65	65.26	65.29
24	65.21	65.15	65.06	67.00	68.01	68.20	65.24	64.79	64.61	64.64	65.26	65.29
25	65.21	65.17	65.07	67.09	68.00	68.21	65.20	64.77	64.59	64.64	65.26	65.30
26	65.21	65.19	65.07	67.18	68.03	68.25	65.21	64.76	64.58	64.63	65.27	65.30
27	65.22	65.20	65.07	67.24	68.07	68.26	65.22	64.74	64.57	64.63	65.30	65.29
28	65.24	65.20	65.08	67.28	68.10	68.24	65.22	64.74	64.58	64.64	65.29	65.29
29	65.25	65.17	65.07	67.33	---	68.25	65.22	64.72	64.58	64.66	65.27	65.28
30	65.25	65.16	65.05	67.38	---	68.28	65.22	64.70	64.59	64.68	65.36	65.28
31	65.26	---	65.04	67.42	---	68.22	---	64.67	---	64.70	65.69	---
MEAN	65.17	65.20	65.10	66.04	67.84	68.13	66.04	64.92	64.62	64.63	65.22	65.34
MAX	65.26	65.26	65.20	67.42	68.10	68.28	67.90	65.21	64.68	64.70	65.84	65.71
MIN	65.08	65.15	65.02	64.89	67.47	68.05	65.20	64.67	64.57	64.59	64.70	65.21

## HYDROGRAPH



## BARNWELL COUNTY

331518081280302. Local number, BRN-151.

LOCATION.--Lat 33°15'18", Long 81°28'03", Hydrologic Unit 03060106, Chem-Nuclear plant near Barnwell, S.C.

OWNER: Chem-Nuclear Systems, Inc.

AQUIFER.--McBean Formation.

WELL CHARACTERISTICS.--Drilled observation well diameter 4 in, depth 161 ft, screened interval 151-161 ft.

DATUM.--Land-surface datum is 258.51 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.40 ft above land-surface datum.

REMARKS.--Also known as CE-7S and WM0015. Record estimated Jan. 11 to Aug. 16, 1982.

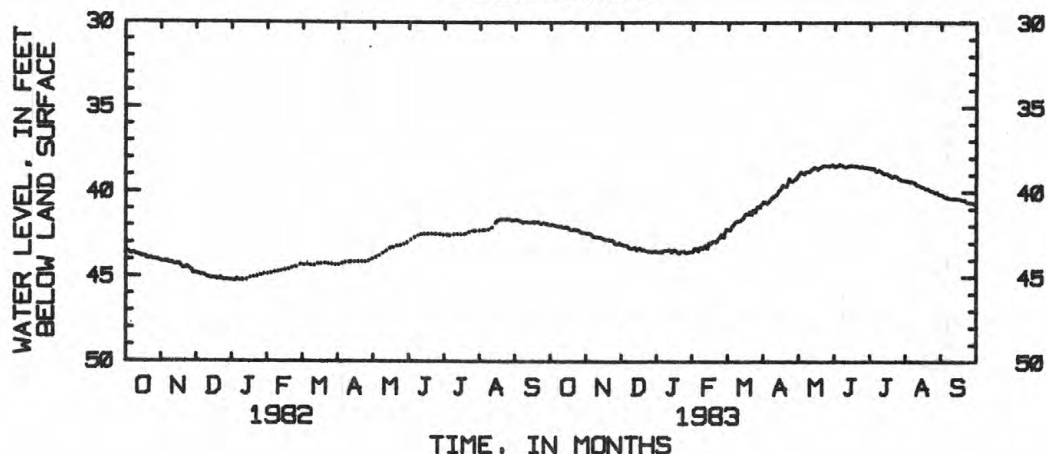
PERIOD OF RECORD.--Sept. 1976 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 34.88 ft below land-surface datum, May. 25, 1980; lowest, 46.63 ft below land-surface datum, Jan. 3, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41.92	42.45	43.09	43.51	43.43	42.16	40.67	39.06	38.41	38.57	39.32	40.15
2	41.89	42.44	43.13	43.52	43.28	42.16	40.53	38.98	38.49	38.58	39.34	40.15
3	41.92	42.45	43.14	43.50	43.29	42.20	40.53	38.86	38.48	38.61	39.35	40.20
4	41.94	42.47	43.14	43.54	43.42	42.24	40.65	38.79	38.43	38.62	39.36	40.27
5	41.98	42.56	43.14	43.52	43.48	42.14	40.65	38.86	38.43	38.61	39.37	40.30
6	42.02	42.62	43.18	43.44	43.29	41.99	40.57	38.91	38.42	38.60	39.38	40.29
7	42.03	42.64	43.28	43.42	43.21	41.94	40.49	38.92	38.39	38.71	39.37	40.32
8	42.03	42.64	43.32	43.42	43.30	41.83	40.41	38.78	38.39	38.76	39.40	40.35
9	42.03	42.64	43.30	43.42	43.29	41.74	40.32	38.76	38.43	38.73	39.42	40.38
10	42.03	42.67	43.30	43.41	43.19	41.71	40.25	38.79	38.49	38.69	39.48	40.37
11	42.08	42.68	43.26	43.38	43.13	41.68	40.21	38.77	38.51	38.74	39.58	40.37
12	42.08	42.66	43.23	43.42	43.28	41.66	40.17	38.71	38.48	38.79	39.60	40.37
13	42.08	42.69	43.39	43.52	43.27	41.65	40.13	38.66	38.46	38.85	39.60	40.37
14	42.08	42.74	43.42	43.50	42.97	41.61	40.03	38.62	38.45	38.88	39.65	40.35
15	42.08	42.75	43.36	43.39	42.98	41.56	39.88	38.57	38.41	38.93	39.68	40.38
16	42.10	42.80	43.31	43.44	43.00	41.48	39.83	38.50	38.41	38.88	39.70	40.40
17	42.22	42.79	43.32	43.44	42.89	41.34	39.77	38.60	38.44	38.88	39.72	40.40
18	42.25	42.80	43.40	43.52	42.87	41.25	39.60	38.66	38.44	38.95	39.76	40.42
19	42.25	42.82	43.38	43.61	42.87	41.30	39.58	38.61	38.44	39.00	39.82	40.46
20	42.22	42.83	43.38	43.58	42.90	41.29	39.61	38.54	38.45	39.06	39.79	40.48
21	42.19	42.84	43.42	43.48	42.88	41.13	39.61	38.51	38.45	39.11	39.80	40.45
22	42.21	42.84	43.47	43.47	42.72	41.28	39.60	38.46	38.47	39.07	39.86	40.47
23	42.25	42.85	43.49	43.47	42.68	41.29	39.38	38.42	38.49	39.05	39.93	40.56
24	42.26	42.91	43.47	43.49	42.58	41.04	39.16	38.41	38.49	39.05	39.94	40.61
25	42.26	43.05	43.50	43.55	42.48	41.05	39.30	38.44	38.47	39.07	39.98	40.63
26	42.35	43.06	43.51	43.57	42.63	41.14	39.35	38.42	38.48	39.11	40.03	40.63
27	42.39	43.04	43.51	43.52	42.65	40.92	39.33	38.43	38.52	39.19	40.02	40.63
28	42.40	43.04	43.49	43.50	42.35	40.83	39.27	38.47	38.53	39.24	39.99	40.63
29	42.40	42.98	43.46	43.51	---	40.90	39.21	38.44	38.52	39.28	40.04	40.67
30	42.41	43.07	43.47	43.49	---	40.89	39.14	38.38	38.54	39.30	40.09	40.70
31	42.44	---	43.49	43.49	---	40.69	---	38.36	---	39.30	40.15	---
MEAN	42.15	42.76	43.35	43.49	43.01	41.49	39.91	38.64	38.46	38.91	39.69	40.43
MAX	42.44	43.07	43.51	43.61	43.48	42.24	40.67	39.06	38.54	39.30	40.15	40.70
MIN--	1.89	42.44	43.09	43.38	42.35	40.69	39.14	38.36	38.39	38.57	39.32	40.15

## HYDROGRAPH





## GROUND WATER LEVELS

## BARNWELL COUNTY

331518081280300. Local number, BRN-154.

LOCATION.--Lat 33°15'18", Long 81°28'03", Hydrologic Unit 03060106, Chem-Nuclear plant near Barnwell, S.C.

OWNER: Chem-Nuclear Systems, Inc.

AQUIFER.--McBean Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 74 ft, screened interval 64-74 ft.

DATUM.--Land-surface datum is 257.64 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.45 ft above land-surface datum.

REMARKS.--Also known as CE-7N and WM0016.

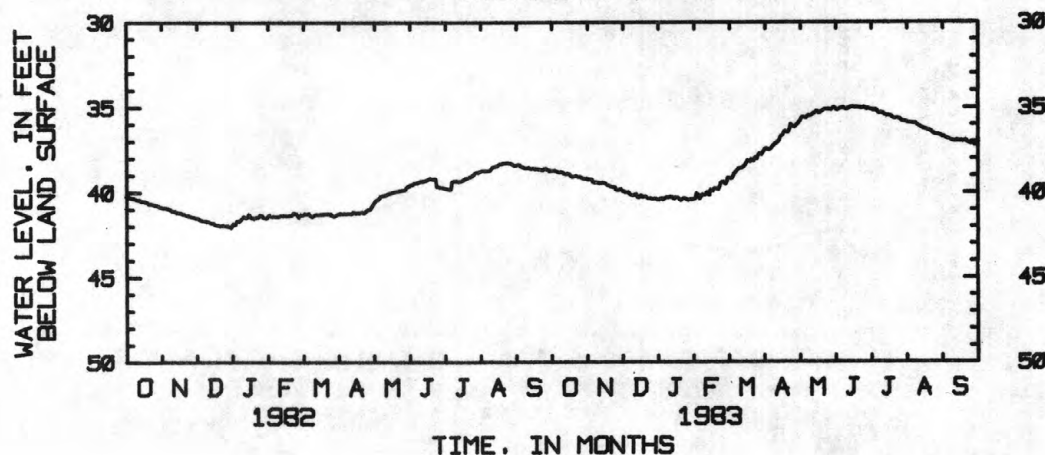
PERIOD OF RECORD.--August 1976 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 29.89 ft below land-surface datum, May 26, 1980; lowest, 42.51 below land-surface datum, Dec. 30, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38.69	39.21	39.94	40.43	40.33	39.11	37.53	35.86	35.04	35.09	35.85	36.73
2	38.67	39.21	39.97	40.35	40.03	39.11	37.43	35.77	35.13	35.11	35.88	36.73
3	38.68	39.22	39.99	40.32	40.09	39.14	37.38	35.63	35.14	35.14	35.90	36.76
4	38.70	39.23	39.99	40.42	40.28	39.15	37.47	35.54	35.07	35.15	35.91	36.82
5	38.74	39.35	39.98	40.39	40.36	39.09	37.49	35.55	35.05	35.14	35.93	36.85
6	38.79	39.40	40.02	40.30	40.22	38.91	37.44	35.60	35.04	35.13	35.94	36.87
7	38.80	39.41	40.12	40.28	40.09	38.84	37.38	35.62	35.03	35.20	35.94	36.90
8	38.79	39.41	40.17	40.27	40.13	38.73	37.31	35.51	35.01	35.32	35.94	36.92
9	38.79	39.42	40.16	40.28	40.15	38.65	37.22	35.45	35.05	35.34	35.96	36.96
10	38.80	39.43	40.16	40.26	40.07	38.60	37.14	35.49	35.09	35.30	36.01	36.99
11	38.85	39.44	40.12	40.23	39.98	38.55	37.10	35.48	35.11	35.32	36.07	36.99
12	38.89	39.42	40.06	40.25	40.12	38.53	37.05	35.41	35.06	35.36	36.12	36.97
13	38.88	39.41	40.25	40.36	40.15	38.52	37.00	35.35	35.03	35.40	36.14	36.96
14	38.86	39.43	40.31	40.37	39.82	38.48	36.90	35.32	35.00	35.43	36.19	36.92
15	38.90	39.44	40.26	40.26	39.86	38.43	36.73	35.27	34.95	35.46	36.23	36.97
16	38.91	39.49	40.16	40.28	39.89	38.36	36.65	35.20	34.95	35.48	36.25	36.99
17	39.01	39.54	40.21	40.29	39.77	38.23	36.62	35.24	34.98	35.47	36.27	36.98
18	39.06	39.57	40.26	40.36	39.75	38.08	36.46	35.34	34.99	35.49	36.30	36.97
19	39.05	39.61	40.24	40.45	39.75	38.15	36.39	35.31	34.98	35.52	36.34	36.99
20	39.02	39.65	40.22	40.46	39.78	38.17	36.43	35.24	34.99	35.58	36.36	36.99
21	39.00	39.67	40.26	40.37	39.78	38.03	36.45	35.19	35.00	35.63	36.37	36.93
22	39.02	39.67	40.33	40.32	39.62	38.12	36.43	35.13	35.00	35.64	36.40	36.97
23	39.06	39.67	40.34	40.34	39.39	38.14	36.25	35.09	35.02	35.63	36.46	37.07
24	39.06	39.71	40.33	40.37	39.36	37.96	35.99	35.09	35.02	35.63	36.51	37.13
25	39.06	39.83	40.36	40.42	39.35	37.92	36.05	35.11	34.99	35.64	36.56	37.15
26	39.11	39.85	40.37	40.44	39.44	38.01	36.14	35.10	35.00	35.67	36.58	37.13
27	39.14	39.83	40.37	40.41	39.50	37.82	36.15	35.10	35.06	35.73	36.60	37.13
28	39.16	39.82	40.36	40.39	39.36	37.69	36.07	35.13	35.07	35.79	36.60	37.15
29	39.16	39.79	40.35	40.43	---	37.75	36.01	35.09	35.05	35.82	36.61	37.19
30	39.17	39.88	40.40	40.38	---	37.76	35.95	35.02	35.07	35.83	36.65	37.22
31	39.20	---	40.43	40.35	---	37.60	---	34.99	---	35.84	36.70	---
MEAN	38.94	39.53	40.21	40.35	39.87	38.38	36.75	35.33	35.03	35.46	36.24	36.98
MAX	39.20	39.88	40.43	40.46	40.36	39.15	37.53	35.86	35.14	35.84	36.70	37.22
MIN	38.67	39.21	39.94	40.23	39.35	37.60	35.95	34.99	34.95	35.09	35.85	36.73

## HYDROGRAPH



## BARNWELL COUNTY

331521081280204. Local number, BRN-155.

LOCATION.--Lat 33°15'18", Long 81°28'03", Hydrologic Unit 03060106, Chem-Nuclear plant near Barnwell, S.C.

OWNER.--Chem-Nuclear Systems, Inc.

AQUIFER.--Barnwell Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 45 ft, screened interval 40-45 ft.

DATUM.--Land-surface datum is 259.29 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Also known as CE-7SS and WM0017. Record estimated Oct. 13 to Nov. 17, 1981, Dec. 6, 1981 to Feb. 24, 1982, May 28 to Aug. 15, 1982, and Jan. 14 to Feb. 3, 1983.

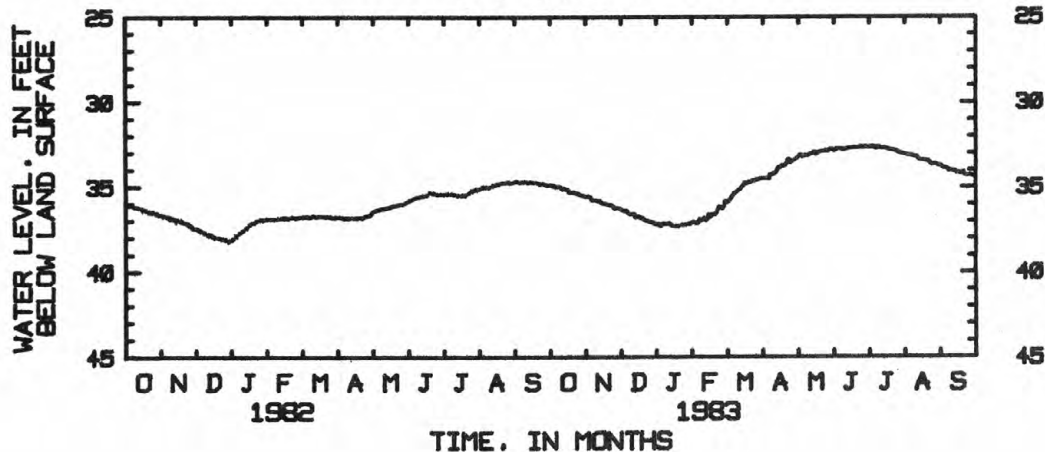
PERIOD OF RECORD.--May 1979 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 26.12 ft below land-surface datum, Apr. 14, 1980 (estimated); lowest, 40.60 ft below land-surface datum, Dec. 30, 1981 (estimated).

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.86	35.54	36.33	37.21	37.07	35.80	34.47	33.28	32.82	32.61	33.05	33.77
2	34.86	35.55	36.38	37.14	37.08	35.88	34.46	33.22	32.84	32.62	33.08	33.78
3	34.90	35.55	36.38	37.22	37.10	35.87	34.46	33.14	32.78	32.63	33.09	33.85
4	34.92	35.60	36.38	37.32	37.12	35.78	34.46	33.08	32.72	32.62	33.09	33.89
5	34.95	35.74	36.39	37.22	37.10	35.67	34.44	33.20	32.75	32.59	33.12	33.89
6	34.98	35.76	36.48	37.12	36.87	35.54	34.43	33.22	32.72	32.60	33.12	33.90
7	34.97	35.76	36.56	37.17	36.88	35.45	34.51	33.16	32.71	32.69	33.11	33.94
8	34.96	35.76	36.59	37.18	36.97	35.32	34.24	33.07	32.73	32.74	33.16	33.99
9	34.96	35.79	36.58	37.18	36.91	35.30	34.22	33.12	32.78	32.62	33.18	34.04
10	35.02	35.83	36.60	37.13	36.81	35.27	34.22	33.14	32.81	32.60	33.23	34.03
11	35.09	35.83	36.54	37.11	36.82	35.19	34.16	33.08	32.77	32.66	33.23	34.03
12	35.09	35.78	36.62	37.20	36.97	35.15	34.17	33.03	32.73	32.68	33.22	34.06
13	35.06	35.92	36.79	37.26	36.86	35.09	34.11	33.02	32.72	32.69	33.33	34.06
14	35.09	35.92	36.77	37.29	36.57	35.02	33.98	33.00	32.69	32.68	33.41	34.07
15	35.11	35.95	36.71	37.33	36.80	34.96	33.84	32.97	32.66	32.68	33.42	34.18
16	35.17	35.99	36.72	37.30	36.71	34.88	33.85	32.92	32.68	32.70	33.43	34.16
17	35.29	35.96	36.81	37.32	36.56	34.73	33.79	33.06	32.68	32.72	33.43	34.15
18	35.30	36.00	36.85	37.30	36.61	34.72	33.71	33.04	32.65	32.75	33.44	34.19
19	35.28	36.04	36.81	37.31	36.56	34.79	33.74	32.97	32.65	32.77	33.46	34.21
20	35.27	36.06	36.88	37.29	36.58	34.71	33.74	32.93	32.65	32.80	33.48	34.17
21	35.28	36.06	36.95	37.25	36.48	34.66	33.70	32.89	32.64	32.81	33.50	34.11
22	35.34	36.06	36.99	37.21	36.28	34.74	33.62	32.85	32.64	32.78	33.52	34.28
23	35.37	36.09	36.99	37.24	36.13	34.65	33.39	32.84	32.64	32.82	33.57	34.32
24	35.37	36.16	37.01	37.21	36.15	34.57	33.34	32.86	32.62	32.82	33.66	34.34
25	35.39	36.27	37.05	37.20	36.17	34.62	33.56	32.85	32.60	32.85	33.68	34.30
26	35.46	36.23	37.07	37.18	36.27	34.59	33.55	32.81	32.63	32.90	33.68	34.28
27	35.49	36.22	37.08	37.20	36.16	34.52	33.48	32.86	32.65	32.97	33.65	34.29
28	35.49	36.22	37.08	37.15	35.85	34.52	33.42	32.84	32.62	33.00	33.64	34.32
29	35.49	36.23	37.11	37.10	---	34.52	33.38	32.77	32.60	33.01	33.68	34.35
30	35.54	36.32	37.19	37.00	---	34.50	33.32	32.73	32.62	33.02	33.73	34.37
31	35.56	---	37.21	37.05	---	34.48	---	32.75	---	33.02	33.74	---
MEAN	35.19	35.94	36.77	37.21	36.66	35.02	33.93	32.99	32.69	32.76	33.39	34.11
MAX	35.56	36.32	37.21	37.33	37.12	35.88	34.51	33.28	32.84	33.02	33.74	34.37
MIN	34.86	35.54	36.33	37.00	35.85	34.48	33.32	32.73	32.60	32.59	33.05	33.77

## HYDROGRAPH



## GROUND WATER LEVELS

## BEAUFORT COUNTY

322745080435800. Local number, BFT-121.

LOCATION.--Lat 32°27'45", long 80°43'58", Hydrologic Unit 03050208, 100 ft east of U.S. 21 and 100 ft north of locked entrance and 2,000 ft north of main entrance to the U.S. Marine Corps Air Station, 4.0 mi northwest of Beaufort on U.S. Hwy. 21.

Owner: U.S. Marine Corp.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in, depth 105 ft, cased to 85 ft, open hole 85 ft.

DATUM.--Land-surface datum is 31.25 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land-surface datum.

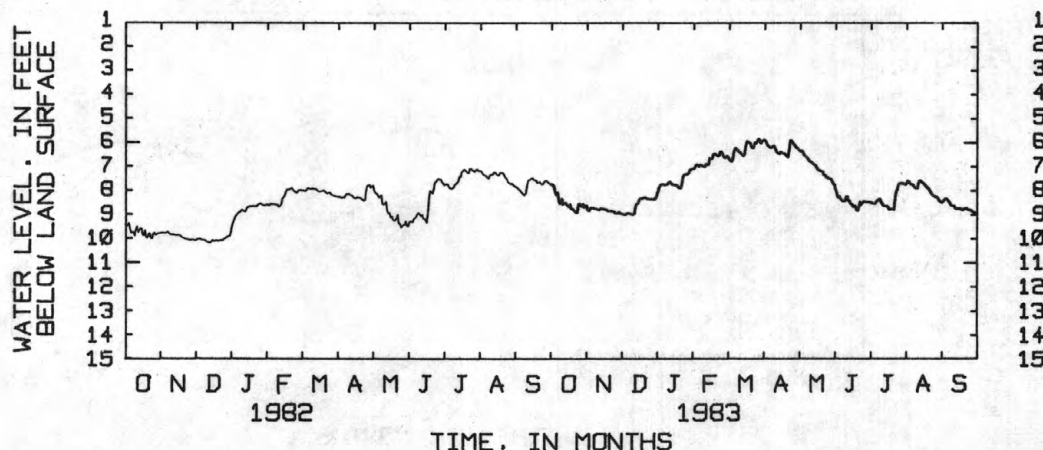
PERIOD OF RECORD.--July 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 5.84 ft below land-surface datum, April 5, 1980; lowest, 10.68 ft below land-surface datum Nov. 20, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.79	8.87	9.04	8.05	7.14	6.64	5.99	6.38	7.85	8.54	7.82	8.57
2	7.83	8.90	9.06	7.89	7.02	6.71	5.97	6.42	8.02	8.55	7.75	8.53
3	7.87	8.82	9.06	7.81	6.98	6.81	6.01	6.46	8.16	8.58	7.66	8.45
4	8.09	8.75	9.02	7.81	7.04	6.86	6.13	6.43	8.34	8.60	7.70	8.39
5	8.24	8.78	9.00	7.80	7.08	6.88	6.22	6.50	8.31	8.60	7.79	8.41
6	8.15	8.79	9.00	7.82	7.01	6.74	6.27	6.61	8.40	8.60	7.81	8.45
7	8.37	8.80	9.02	7.81	7.02	6.42	6.30	6.67	8.46	8.49	7.83	8.51
8	8.61	8.80	9.05	7.80	7.06	6.30	6.30	6.70	8.51	8.46	7.88	8.59
9	8.61	8.83	9.05	7.79	7.08	6.33	6.24	6.75	8.50	8.41	7.94	8.67
10	8.39	8.86	9.07	7.71	7.05	6.41	6.22	6.84	8.49	8.41	7.98	8.71
11	8.64	8.85	9.01	7.69	6.97	6.45	6.31	6.89	8.35	8.53	7.97	8.69
12	8.59	8.80	8.77	7.76	7.02	6.50	6.42	6.91	8.30	8.61	7.74	8.71
13	8.56	8.80	8.62	7.83	6.98	6.55	6.51	6.95	8.50	8.69	7.65	8.81
14	8.64	8.82	8.58	7.84	6.73	6.60	6.56	7.00	8.53	8.70	7.67	8.80
15	8.69	8.82	8.48	7.82	6.75	6.65	6.54	7.03	8.63	8.71	7.72	8.81
16	8.74	8.85	8.38	7.84	6.74	6.55	6.47	7.08	8.66	8.71	7.77	8.82
17	8.63	8.85	8.37	7.86	6.57	6.23	6.52	7.16	8.74	8.76	7.81	8.82
18	8.83	8.90	8.37	7.92	6.53	6.01	6.53	7.23	8.69	8.86	7.86	8.85
19	8.83	8.91	8.34	7.97	6.56	6.04	6.54	7.25	8.71	8.84	7.92	8.89
20	8.87	8.91	8.33	7.96	6.62	6.10	6.61	7.28	8.89	8.82	7.97	8.85
21	8.91	8.90	8.37	7.83	6.65	6.12	6.66	7.29	8.88	8.84	8.02	8.80
22	8.97	8.91	8.41	7.54	6.62	6.26	6.70	7.31	8.74	8.85	8.09	8.79
23	8.96	8.94	8.41	7.40	6.46	6.33	6.42	7.45	8.53	8.41	8.18	8.84
24	8.64	8.96	8.40	7.38	6.45	6.21	5.99	7.44	8.66	8.11	8.25	8.86
25	8.60	9.01	8.41	7.38	6.54	6.07	5.99	7.53	8.57	8.02	8.30	8.87
26	8.72	9.01	8.41	7.38	6.67	6.11	6.08	7.54	8.50	7.81	8.32	8.89
27	8.70	8.99	8.42	7.33	6.73	6.00	6.16	7.59	8.51	7.75	8.34	8.91
28	8.62	8.95	8.41	7.21	6.70	5.93	6.22	7.59	8.55	7.75	8.36	8.96
29	8.77	9.02	8.40	7.19	---	6.03	6.29	7.59	8.53	7.77	8.42	8.98
30	8.69	9.01	8.33	7.15	---	6.11	6.33	7.71	8.52	7.77	8.50	9.00
31	8.67	---	8.16	7.15	---	6.02	---	7.80	---	7.78	8.55	---
MEAN	8.56	8.88	8.64	7.67	6.81	6.35	6.32	7.08	8.50	8.43	7.99	8.74
MAX	8.97	9.02	9.07	8.05	7.14	6.88	6.70	7.80	8.89	8.86	8.55	9.00
MIN	7.79	8.75	8.16	7.15	6.45	5.93	5.97	6.38	7.85	7.75	7.65	8.39

HYDROGRAPH



## BEAUFORT COUNTY

321551080491003. Local number, BFT-429.

LOCATION.--Lat 32°15'51", long 80°49'10", Hydrologic Unit 03050208, 7.7 mi southeast on U.S. Hwy. 278 from intersection with State Hwy. 170, northwest on dirt road 1.6 mi, 2 mi southwest of Foot Point Plantation and at Victoria Bluff.

Owner: South Carolina Wildlife and Marine Resources Dept.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 300 ft, cased to 100 ft, open hole to 300 ft.

DATUM.--Land-surface datum is 22.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.85 ft above land-surface datum.

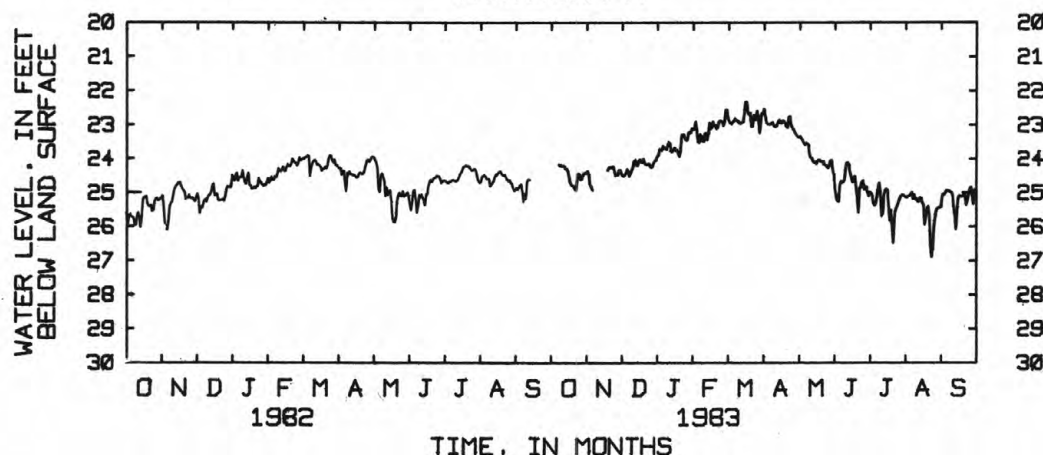
PERIOD OF RECORD.--August 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 21.71 ft below land surface datum, Sept. 10, 1971; lowest, 26.89 ft below land-surface datum, Aug. 24, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	24.36	24.50	23.88	23.09	22.56	22.66	23.36	24.47	25.11	25.12	25.40
2	---	24.46	24.51	23.71	22.90	22.78	22.52	23.37	24.93	24.98	25.13	25.12
3	---	24.78	24.47	23.72	23.18	22.90	22.75	23.35	25.13	25.02	25.12	25.04
4	---	24.82	24.42	23.75	23.51	22.95	22.94	23.42	25.25	25.09	25.09	25.04
5	---	24.92	24.30	23.62	23.52	22.98	22.98	23.46	25.27	25.32	25.07	24.98
6	---	---	24.38	23.66	23.27	22.91	22.97	23.55	24.80	25.38	25.04	24.93
7	24.18	---	24.51	23.69	23.33	22.88	23.00	23.59	24.66	25.31	24.99	24.94
8	24.21	---	24.42	23.73	23.49	22.81	22.94	23.52	24.70	25.11	25.18	24.95
9	24.18	---	24.32	23.62	23.49	22.87	22.93	23.56	24.68	24.82	25.06	24.98
10	24.22	---	24.23	23.50	23.25	22.88	23.00	23.60	24.61	24.71	25.19	25.00
11	24.19	---	24.06	23.54	23.25	22.91	23.06	23.85	24.29	25.01	25.19	25.06
12	24.23	---	24.03	23.77	23.44	22.96	23.05	23.97	24.11	25.70	25.26	25.41
13	24.31	---	24.19	23.78	23.24	22.94	22.99	23.99	24.11	25.62	25.27	25.67
14	24.29	---	24.19	23.73	22.93	22.92	22.92	24.07	24.17	25.05	25.14	26.09
15	24.37	---	24.05	23.68	23.12	22.89	22.85	24.12	24.43	24.94	25.17	25.51
16	24.54	---	24.01	23.76	23.05	22.68	22.94	24.09	24.58	24.88	25.31	25.15
17	24.69	---	24.09	23.74	22.90	22.32	22.94	24.16	24.69	24.92	25.36	25.08
18	24.77	24.32	24.10	23.83	23.00	22.33	22.87	24.06	24.55	25.38	25.94	25.09
19	24.80	24.28	23.99	23.93	23.02	22.65	22.90	24.03	24.52	25.84	25.73	25.12
20	24.82	24.24	24.11	23.80	23.11	22.69	22.95	24.06	24.84	25.51	25.50	25.09
21	24.91	24.26	24.17	23.31	23.06	22.65	23.06	24.09	25.15	25.99	25.40	25.00
22	24.93	24.25	24.16	23.27	22.92	23.06	23.08	24.08	25.59	26.49	25.65	25.10
23	24.61	24.22	24.14	23.29	22.87	23.04	22.78	24.08	24.85	25.77	26.50	25.37
24	24.43	24.38	24.16	23.41	22.88	22.71	22.74	24.19	24.84	25.52	26.89	25.20
25	24.47	24.50	24.25	23.45	22.91	22.84	23.01	24.21	24.68	25.43	26.68	25.03
26	24.61	24.45	24.24	23.42	23.01	22.83	23.08	24.21	24.65	25.33	25.97	24.89
27	24.58	24.47	24.20	23.22	22.90	22.58	23.13	24.28	24.90	25.23	25.69	24.84
28	24.48	24.33	24.10	23.19	22.55	22.85	23.20	24.19	24.83	25.13	25.53	25.08
29	24.42	24.32	24.05	23.21	---	23.24	23.26	24.05	24.83	25.08	25.45	25.34
30	24.40	24.43	24.02	23.09	---	22.91	23.32	24.05	25.00	25.06	25.44	24.91
31	24.43	---	23.93	23.12	---	22.65	---	24.36	---	25.07	25.42	---
MEAN			24.20	23.56	23.11	22.81	22.96	23.90	24.74	25.28	25.47	25.15
MAX			24.51	23.93	23.52	23.24	23.32	24.36	25.59	26.49	26.89	26.09
MIN			23.93	23.09	22.55	22.32	22.52	23.35	24.11	24.71	24.99	24.84

## HYDROGRAPH





## GROUND WATER LEVELS

## BEAUFORT COUNTY

320910080472001. Local number, BFT-439.

LOCATION.--Lat 32°09'10", Long 80°47'20", Hydrologic Unit 03050208, 1.0 mi northwest of Braddock Point, 3.0 mi 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, depth 214 ft, cased to 125 ft, open hole to 214 ft.

DATUM.--Land-surface datum is 6.95 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of platform, 0.30 ft above casing and land-surface datum.

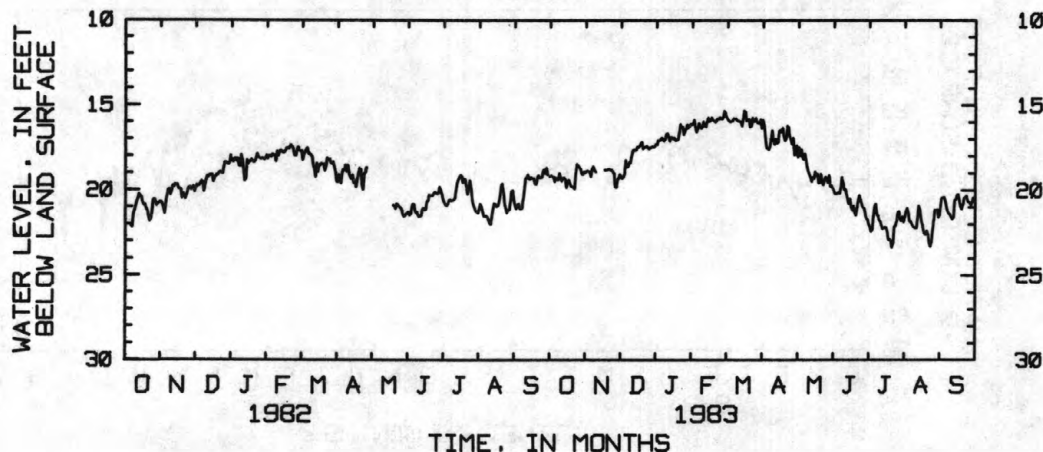
PERIOD OF RECORD.--October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 15.32 ft below land-surface datum, Feb. 28, Mar. 17, 1983; lowest, 30.22 ft below land-surface datum, Aug. 9, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.17	18.90	19.17	17.32	16.06	15.46	16.35	17.39	19.89	21.73	21.85	21.44
2	19.12	18.83	19.31	17.06	15.86	15.71	15.87	18.08	20.03	21.98	21.53	20.81
3	19.20	18.93	19.21	17.05	16.35	15.85	16.14	17.50	20.19	22.14	21.23	20.42
4	19.21	18.92	19.05	17.02	16.57	15.94	16.89	17.99	20.18	22.42	21.04	20.39
5	19.48	19.19	18.22	16.91	16.37	16.00	17.46	17.59	20.15	22.33	21.29	20.38
6	19.25	18.77	18.64	16.97	16.04	15.94	17.57	18.03	20.11	21.49	21.80	20.63
7	19.38	18.62	18.60	17.12	16.20	15.90	17.63	18.19	20.18	20.93	21.83	21.01
8	19.36	18.79	18.37	17.00	16.35	15.76	17.46	17.85	19.83	20.79	21.98	21.23
9	19.00	18.93	18.37	16.69	16.27	15.80	16.98	18.24	19.22	21.38	22.12	21.37
10	19.32	---	18.01	16.64	15.96	15.79	16.48	18.64	19.51	21.50	22.18	21.42
11	19.46	---	17.71	16.86	16.18	15.91	17.08	18.90	19.96	21.74	22.23	21.58
12	19.26	---	17.58	17.13	16.27	15.94	17.30	19.07	19.95	21.83	22.20	21.70
13	19.25	---	17.63	16.89	15.95	15.95	16.99	19.27	20.27	22.08	21.62	21.60
14	19.36	---	17.59	16.89	15.74	16.00	17.24	19.50	20.56	22.26	20.88	20.57
15	19.84	---	17.44	16.99	15.93	16.23	17.18	19.22	20.81	22.21	21.12	20.51
16	19.49	---	17.44	16.91	15.87	15.82	16.52	19.29	20.50	22.16	21.72	20.27
17	19.37	18.81	17.39	17.08	15.72	15.32	16.44	18.90	21.02	22.20	21.96	20.24
18	19.58	18.80	17.27	17.02	15.86	15.41	16.58	19.09	21.18	22.40	22.35	20.59
19	19.76	18.79	17.17	17.01	15.89	15.93	16.33	19.04	20.93	22.88	22.56	20.98
20	19.79	18.75	17.57	16.67	15.98	15.83	16.89	19.57	21.29	22.88	22.60	21.12
21	19.84	18.77	17.47	16.09	15.91	15.82	17.10	19.54	21.47	22.98	22.39	20.85
22	19.93	18.80	17.46	16.29	15.76	16.29	16.94	19.05	20.99	23.35	22.57	20.49
23	18.99	18.80	17.41	16.27	15.80	16.22	16.20	19.47	20.54	23.09	23.08	20.37
24	18.46	18.91	17.49	16.73	15.70	15.73	16.29	19.68	20.26	22.12	23.31	20.31
25	18.54	19.03	17.57	16.45	15.77	15.94	16.81	19.36	20.53	22.04	23.04	20.58
26	18.66	19.82	17.50	16.37	15.78	15.91	17.04	19.20	20.82	21.81	22.24	20.70
27	18.75	19.83	17.47	16.13	15.67	15.75	17.30	19.39	21.01	21.31	21.61	20.75
28	19.00	19.37	17.43	16.31	15.32	15.98	16.93	19.54	21.07	21.22	21.13	20.89
29	19.07	19.26	17.44	16.19	---	16.05	17.94	19.12	21.32	21.68	21.14	20.67
30	18.91	19.06	17.42	16.08	---	16.03	17.86	19.78	21.67	21.76	21.12	20.42
31	18.95	---	17.30	16.15	---	15.83	---	19.73	---	21.52	21.58	---
MEAN	19.25		17.86	16.72	15.97	15.87	16.93	18.88	20.51	22.01	21.91	20.81
MAX	19.93		19.31	17.32	16.57	16.29	17.94	19.78	21.67	23.35	23.31	21.70
MIN	18.46		17.17	16.08	15.32	15.32	15.87	17.39	19.22	20.79	20.88	20.24

## 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 observation artesian well, diameter 6 in, depth 212 ft, cased to 146 ft, open hole to 212 ft.

DATUM.--Land-surface datum is 16.60 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.95 ft above land-surface datum.

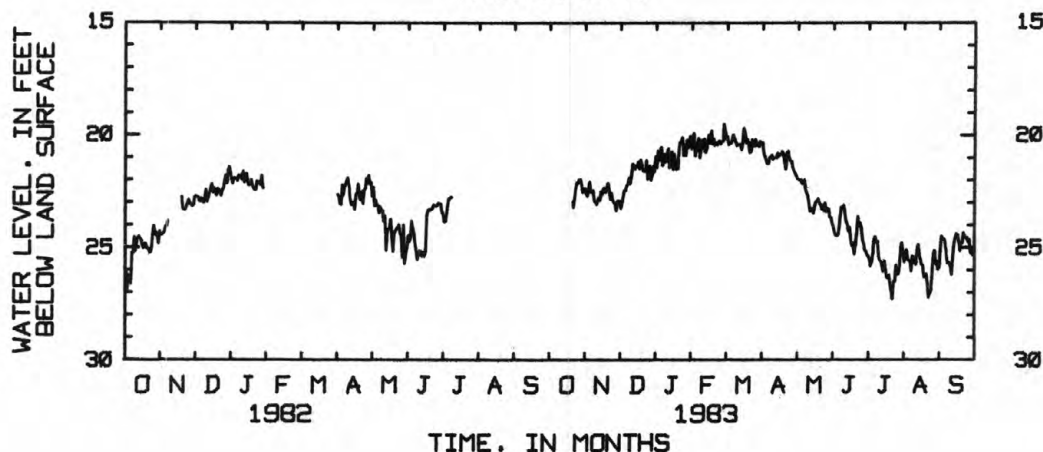
PERIOD OF RECORD.--February 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 16.67 ft below land-surface datum, Jan. 19, 1976; lowest, 27.30 ft below land-surface datum, July 23, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	22.64	23.28	21.51	20.09	19.88	20.40	21.85	23.98	25.37	25.28	25.91
2	---	22.75	23.07	20.74	19.96	20.22	20.36	21.99	24.08	25.42	25.69	25.04
3	---	22.51	22.75	21.18	20.98	20.10	20.83	22.02	24.37	25.52	25.39	24.51
4	---	22.10	22.47	20.73	20.64	20.48	20.98	22.05	24.49	25.84	25.12	24.63
5	---	22.57	22.47	20.57	20.50	20.38	21.15	22.03	24.49	25.68	25.59	24.64
6	---	22.56	22.27	21.39	20.17	20.39	21.30	22.18	24.47	25.26	25.61	24.75
7	---	22.50	21.19	21.27	21.06	20.27	21.32	22.19	24.13	24.64	25.61	25.15
8	---	22.94	21.92	20.86	20.63	20.03	21.05	22.03	23.58	24.54	26.07	25.73
9	---	23.02	22.20	21.22	20.23	20.19	20.99	22.46	23.20	24.80	25.39	25.69
10	---	23.12	21.87	20.87	20.65	20.38	20.92	22.61	23.28	24.74	25.42	25.74
11	---	22.98	21.30	20.62	20.19	20.51	21.11	22.72	23.14	25.41	25.63	25.85
12	---	22.81	21.38	21.51	20.81	20.47	21.03	23.06	23.56	25.60	25.78	26.22
13	---	22.93	21.55	21.32	20.64	20.45	21.02	23.43	23.86	25.66	25.10	25.32
14	---	22.52	21.40	20.76	20.24	20.47	21.04	23.28	23.99	25.87	24.87	24.81
15	---	22.67	21.41	21.56	20.02	20.69	20.81	23.38	24.29	26.09	25.36	24.59
16	---	22.42	21.20	20.88	20.40	20.40	20.98	23.52	24.12	25.61	25.55	24.39
17	---	22.36	21.55	21.27	19.84	19.73	20.86	23.18	24.75	25.99	25.79	24.46
18	---	22.57	21.12	21.57	20.44	19.95	20.86	22.98	24.95	26.36	25.82	24.69
19	---	22.34	21.31	21.53	20.21	20.40	20.75	22.96	24.81	26.38	26.35	25.17
20	23.00	22.16	21.63	20.65	20.50	20.23	20.86	22.84	25.33	26.23	26.20	24.81
21	23.25	22.46	21.66	20.35	20.40	20.38	21.31	23.04	24.88	26.68	26.21	24.81
22	22.86	22.89	21.63	20.28	20.49	20.83	21.57	23.13	24.45	26.98	26.65	24.36
23	22.45	22.61	21.14	20.13	20.33	20.78	20.80	23.32	23.64	27.30	27.25	24.51
24	22.13	22.93	22.01	20.94	20.30	20.23	20.74	23.16	24.06	26.52	27.08	24.60
25	22.16	23.04	21.75	20.44	20.44	20.53	21.06	23.40	23.91	26.50	26.96	24.58
26	22.01	23.09	21.40	20.95	20.32	20.52	21.18	23.04	24.15	25.79	26.09	24.77
27	21.99	23.40	22.05	20.24	20.31	20.22	21.23	23.44	24.65	26.20	25.37	24.68
28	22.20	22.96	21.84	20.62	19.55	20.48	21.50	23.30	24.84	26.18	25.15	25.28
29	22.59	22.95	21.41	20.39	---	20.51	21.63	23.32	25.15	25.88	25.77	25.07
30	22.49	22.98	21.68	20.08	---	20.55	21.76	23.68	25.19	24.98	25.60	25.37
31	22.40	---	20.98	20.66	---	20.31	---	23.71	---	24.79	25.99	---
MEAN		22.73	21.80	20.87	20.37	20.35	21.05	22.88	24.26	25.77	25.80	25.00
MAX		23.40	23.28	21.57	21.06	20.83	21.76	23.71	25.33	27.30	27.25	26.22
MIN		22.10	20.98	20.08	19.55	19.73	20.36	21.85	23.14	24.54	24.87	24.36

## HYDROGRAPH



## GROUND WATER LEVELS

## BEAUFORT COUNTY

322340080455500. Local number, BPT-453.

LOCATION.--Lat 32°23'40", long 80°45'55", Hydrologic Unit 03050208, 0.75 mi 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, depth 104 ft, cased to 63 ft, open hole to 104 ft.

DATUM.--Land-surface datum is 18 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.5 ft above land-surface datum.

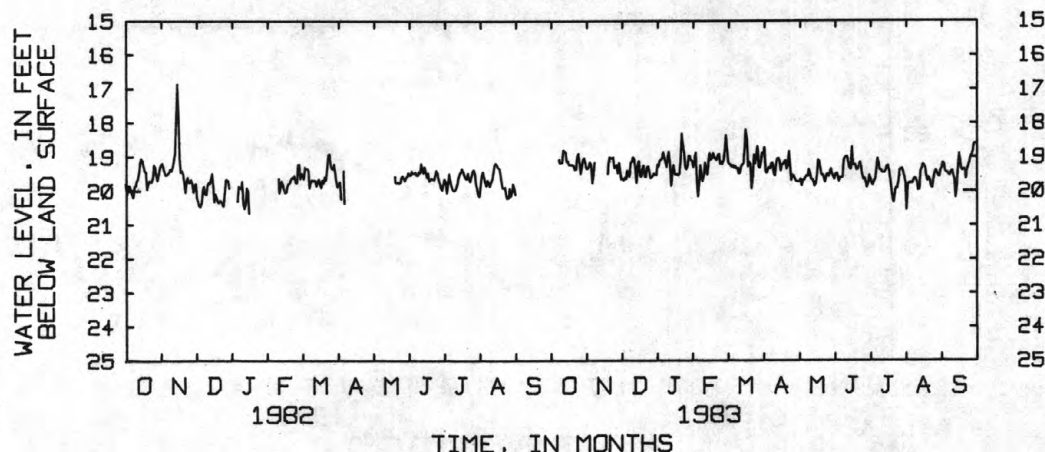
PERIOD OF RECORD.--December 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 16.84 ft below land-surface datum, Nov. 14, 1981; lowest, 21.14 ft below land-surface datum, Jan. 21, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	19.35	19.63	19.27	19.10	18.77	18.88	19.73	19.65	19.54	19.75	19.32
2	---	19.28	19.69	19.10	18.86	19.17	18.70	19.71	19.49	19.63	20.56	19.16
3	---	19.15	19.61	19.06	19.71	19.21	19.43	19.64	19.47	19.77	19.81	19.20
4	---	19.21	19.63	19.02	20.16	19.23	19.47	19.85	19.57	19.83	19.76	19.41
5	---	19.77	19.40	18.84	19.72	19.29	19.36	19.67	19.73	19.72	19.75	19.45
6	---	19.52	19.54	19.00	19.23	19.24	19.30	19.67	19.60	19.65	19.75	19.46
7	19.08	19.15	19.57	19.15	19.59	19.32	19.34	19.59	19.60	19.36	19.76	19.53
8	19.16	---	19.16	19.30	19.71	19.26	19.18	19.55	19.60	19.03	19.67	19.55
9	19.18	---	19.12	18.97	19.54	19.35	19.18	19.56	19.11	19.17	19.61	19.44
10	19.15	---	19.00	18.82	19.16	19.32	19.48	19.35	19.01	19.39	19.66	19.40
11	18.79	---	19.05	19.21	19.31	19.49	19.56	19.48	18.98	19.38	19.74	19.53
12	18.83	---	19.34	19.85	19.52	19.48	19.21	19.64	18.99	19.46	19.99	19.65
13	18.86	---	19.76	19.40	19.09	19.28	19.04	19.67	19.17	19.46	19.95	20.20
14	19.14	---	19.22	19.22	18.87	19.22	19.02	19.73	19.33	19.46	19.41	19.87
15	19.14	---	19.11	19.50	19.08	19.18	19.11	19.86	19.37	19.40	19.32	19.34
16	19.24	---	19.54	19.52	19.02	18.74	19.41	19.80	18.69	19.27	19.20	18.88
17	19.22	---	19.58	19.49	18.87	18.18	19.22	19.53	19.23	19.25	19.25	19.12
18	19.24	19.50	19.34	19.54	19.00	18.48	19.19	19.08	19.23	19.40	19.33	19.37
19	19.24	19.16	19.24	19.49	19.04	19.29	19.15	19.12	19.23	19.64	19.58	19.41
20	19.27	18.99	19.57	19.12	19.09	19.14	19.09	19.33	19.38	19.93	19.72	19.35
21	19.38	19.02	19.59	18.30	18.94	19.20	19.35	19.53	19.37	20.23	19.60	19.38
22	19.36	19.03	19.28	18.63	18.89	19.93	19.24	19.52	19.27	20.34	19.69	19.64
23	18.99	19.00	19.26	18.85	19.20	19.57	18.82	19.62	19.15	20.05	19.87	19.37
24	18.88	19.33	19.42	19.28	19.14	18.92	19.32	19.75	19.30	19.89	19.92	19.26
25	19.15	19.26	19.62	19.37	19.21	19.19	19.69	19.55	19.54	19.91	19.66	19.15
26	19.50	19.23	19.59	19.29	19.10	18.95	19.52	19.49	19.66	19.73	19.46	18.99
27	19.30	19.48	19.55	18.95	18.77	18.67	19.55	19.57	19.63	19.37	19.38	18.93
28	19.08	19.16	19.48	18.96	18.35	19.29	19.64	19.49	19.76	19.34	19.46	18.82
29	19.02	19.46	19.52	19.10	---	19.32	19.72	19.34	19.90	19.32	19.56	18.60
30	19.17	19.67	19.52	19.12	---	19.13	19.72	19.49	19.78	19.43	19.58	18.58
31	19.34	---	19.21	19.30	---	18.87	---	19.58	---	19.56	19.39	---
MEAN			19.42	19.16	19.19	19.15	19.30	19.56	19.39	19.58	19.65	19.31
MAX			19.76	19.85	20.16	19.93	19.72	19.86	19.90	20.34	20.56	20.20
MIN			19.00	18.30	18.35	18.18	18.70	19.08	18.69	19.03	19.20	18.58

## HYDROGRAPH



## BEAUFORT COUNTY

321459080420101. 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 mi northwest of Hilton Head Tower.

Owner: Town of Hilton Head.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 524 ft, cased to 300 ft, open hole to 524 ft.

DATUM.--Land-surface datum is 12.14 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.4 ft above land-surface datum.

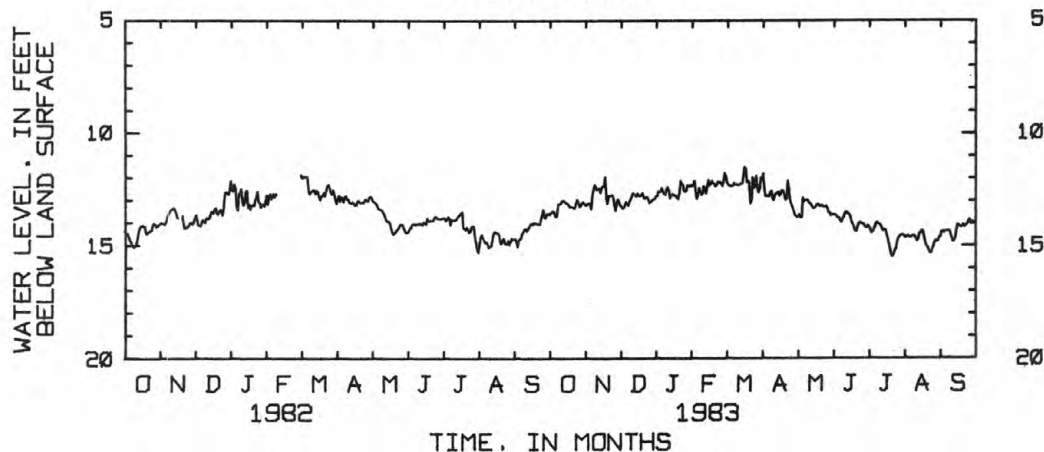
PERIOD OF RECORD.--December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 8.83 ft below land-surface datum, May 18, 1980; lowest 15.74 ft below land-surface datum, Aug. 18, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.62	13.21	13.27	12.79	12.33	11.93	12.11	13.78	13.66	14.13	14.59	14.62
2	13.53	13.17	13.36	12.60	12.13	12.22	11.83	13.72	13.65	14.23	14.67	14.40
3	13.46	13.12	13.32	12.60	12.66	12.32	12.51	13.64	13.68	14.34	14.61	14.38
4	13.53	13.13	13.22	12.59	12.96	12.36	12.84	13.79	13.71	14.46	14.57	14.44
5	13.70	13.39	13.07	12.45	12.81	12.39	12.83	13.76	13.80	14.41	14.61	14.38
6	13.74	12.77	13.17	12.61	12.45	12.35	12.79	12.90	13.79	14.31	14.66	14.35
7	13.48	12.52	13.23	12.71	12.60	12.35	12.85	13.06	13.89	14.17	14.61	14.36
8	13.16	12.33	13.04	12.75	12.76	12.25	12.68	12.98	14.01	14.01	14.58	14.37
9	13.15	12.40	12.93	12.52	12.69	12.31	12.60	12.99	13.86	14.01	14.56	14.38
10	13.12	12.54	12.79	12.41	12.39	12.31	12.92	12.99	13.77	14.06	14.61	14.51
11	13.01	12.48	12.67	12.58	12.46	12.34	13.02	13.07	13.61	14.09	14.69	14.69
12	13.02	12.49	12.72	12.92	12.70	12.34	12.78	13.16	13.52	14.16	14.82	14.85
13	13.03	12.68	12.81	12.81	12.37	12.29	12.71	13.21	13.54	14.31	14.75	14.80
14	13.11	12.45	12.82	12.73	12.09	12.28	12.66	13.29	13.62	14.38	14.49	14.70
15	13.13	12.36	12.69	12.78	12.35	12.25	12.62	13.37	13.64	14.32	14.46	14.36
16	13.18	12.36	12.77	12.79	12.28	11.95	12.83	13.36	13.78	14.34	14.35	14.09
17	13.25	11.97	12.82	12.80	12.13	11.52	12.72	13.30	14.00	14.52	14.37	14.12
18	13.29	12.92	12.76	12.90	12.26	11.62	12.57	13.19	14.11	14.72	14.58	14.19
19	13.28	13.17	12.67	12.96	12.29	12.22	12.58	13.18	14.22	14.95	14.86	14.21
20	13.31	12.81	12.84	12.69	12.40	12.16	12.71	13.24	14.39	15.19	15.04	14.16
21	13.35	12.82	12.92	12.13	12.32	12.26	13.00	13.28	14.38	15.44	15.11	14.08
22	13.34	12.78	12.85	12.27	12.18	13.18	12.96	13.23	14.21	15.52	15.21	14.20
23	13.13	12.76	12.85	12.33	12.22	13.00	12.15	13.26	14.04	15.41	15.34	14.13
24	12.97	12.88	12.95	12.59	12.20	11.99	12.52	13.32	14.00	15.28	15.37	14.07
25	13.09	13.21	13.13	12.63	12.27	12.48	13.03	13.29	14.01	15.16	15.21	13.97
26	13.30	13.48	13.08	12.58	12.36	12.42	13.18	13.27	14.07	14.86	15.08	13.85
27	13.24	13.15	13.04	12.33	12.19	11.93	13.33	13.36	14.06	14.68	14.89	13.94
28	13.13	12.96	12.97	12.37	11.79	12.47	13.49	13.54	14.15	14.61	14.80	13.98
29	13.08	13.06	12.95	12.39	---	12.68	13.67	13.59	14.22	14.54	14.82	13.97
30	13.14	13.24	12.92	12.31	---	12.51	13.72	13.69	14.22	14.53	14.79	14.04
31	13.22	---	12.80	12.39	---	12.02	---	13.64	---	14.54	14.66	---
MEAN	13.26	12.82	12.95	12.59	12.38	12.28	12.81	13.34	13.92	14.57	14.77	14.29
MAX	13.74	13.48	13.36	12.96	12.96	13.18	13.72	13.79	14.39	15.52	15.37	14.85
MIN	12.97	11.97	12.67	12.13	11.79	11.52	11.83	12.90	13.52	14.01	14.35	13.85

## HYDROGRAPH





## GROUND WATER LEVELS

## 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 mi northwest of Hilton Head Tower, and at end of State Road 335.

Owner: Town of Hilton Head.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 239 ft, cased to 126 ft, open hole to 239 ft.

DATUM.--Land-surface datum is 12 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

REMARKS.--Record estimated Oct. 2-6, Nov. 17, Dec. 25-31, 1982, Jan. 1-5, Feb. 9 to Mar. 10, June 3-15, 1983.

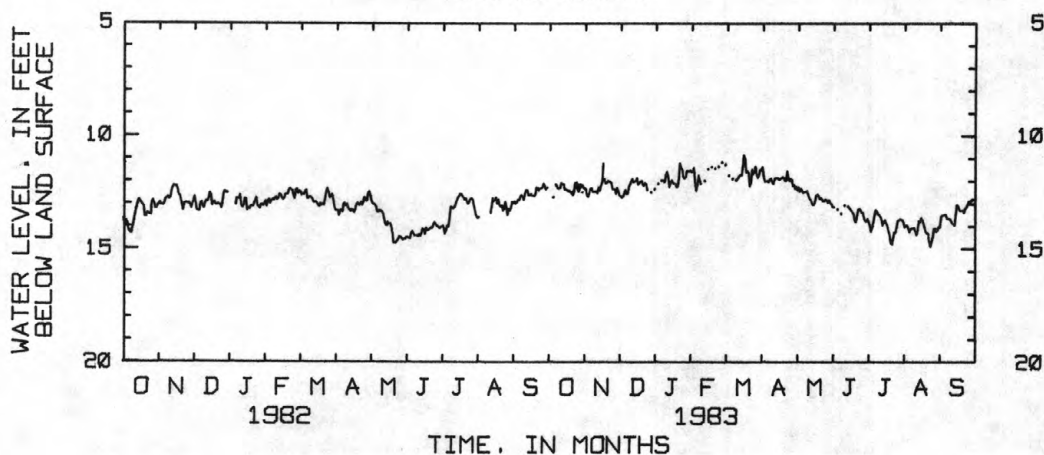
PERIOD OF RECORD.--July 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 9.99 ft below land-surface datum, Mar. 9, 1978; lowest 15.79 ft below land-surface datum July 17, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.57	12.37	12.70	12.20	11.61	11.31	11.54	12.27	13.16	13.68	13.85	14.05
2	12.70	12.65	12.76	12.15	11.44	11.49	11.41	12.44	13.18	13.82	14.06	13.60
3	12.68	12.73	12.70	12.10	12.11	11.59	11.89	12.30	13.17	13.97	13.97	13.51
4	12.72	12.56	12.56	12.04	12.46	11.80	12.06	12.50	13.21	14.26	13.96	13.52
5	12.84	12.35	12.42	12.00	12.19	11.90	12.03	12.37	13.28	14.08	14.11	13.49
6	12.20	12.34	12.60	11.99	11.77	11.94	12.02	12.47	13.32	13.82	14.28	13.49
7	12.19	12.50	12.57	11.99	11.97	11.95	12.08	12.56	13.38	13.53	14.15	13.60
8	12.35	12.49	12.28	12.07	12.15	11.96	11.95	12.50	13.46	13.28	14.10	13.68
9	12.37	12.48	12.16	11.75	12.00	11.97	11.91	12.50	13.33	13.35	14.09	13.68
10	12.33	12.48	12.02	11.61	12.10	11.99	12.06	12.47	13.19	13.47	14.08	13.68
11	12.10	12.56	11.93	11.87	12.02	11.98	12.15	12.60	13.10	13.51	14.23	13.79
12	12.14	12.31	12.08	12.31	11.60	11.88	11.97	12.77	13.03	13.61	14.41	13.89
13	12.17	12.45	12.03	12.09	11.30	11.79	11.89	12.85	13.08	13.71	14.22	13.92
14	12.41	12.24	12.01	11.98	11.50	11.74	11.89	12.96	13.15	13.98	13.78	13.98
15	12.38	12.08	11.88	12.12	11.35	11.76	11.88	13.07	13.20	13.84	13.81	13.42
16	12.46	11.26	12.19	12.14	11.31	11.39	11.96	13.07	13.25	13.74	13.63	13.06
17	12.45	11.96	12.10	12.15	11.41	10.88	11.92	12.91	13.32	13.89	13.72	13.14
18	12.47	12.13	12.01	12.29	11.46	11.05	11.89	12.65	13.39	13.99	13.89	13.27
19	12.52	12.10	12.01	12.27	11.53	11.66	11.85	12.61	13.47	14.20	14.08	13.34
20	12.59	12.01	12.19	11.93	11.47	11.62	11.87	12.69	13.75	14.38	14.29	13.34
21	12.65	12.05	12.25	11.24	11.39	11.69	12.01	12.80	13.84	14.75	14.33	13.30
22	12.47	12.05	12.10	11.42	11.42	12.26	12.02	12.77	13.56	14.82	14.37	13.43
23	12.11	12.12	12.17	11.54	11.40	12.10	11.60	12.84	13.28	14.53	14.72	13.25
24	12.08	12.39	12.43	11.87	11.45	11.51	11.87	12.92	13.23	14.28	14.92	13.16
25	12.41	12.39	12.60	11.93	11.50	11.72	12.03	12.89	13.30	14.28	14.68	13.05
26	12.50	12.39	12.57	11.85	11.20	11.61	11.92	12.83	13.41	14.06	14.50	12.91
27	12.32	12.60	12.53	11.57	10.98	11.38	11.98	12.87	13.43	13.75	14.12	12.93
28	12.18	12.33	12.49	11.58	11.03	11.77	12.26	12.98	13.65	13.73	14.08	12.88
29	12.19	12.48	12.40	11.60	---	11.89	12.19	12.86	13.79	13.68	14.25	12.80
30	12.33	12.68	12.38	11.54	---	11.75	12.38	12.97	13.81	13.69	14.18	12.84
31	12.39	---	12.33	11.64	---	11.51	---	13.05	---	13.73	14.03	---
MEAN	12.40	12.32	12.30	11.90	11.61	11.70	11.95	12.72	13.36	13.92	14.16	13.40
MAX	12.84	12.73	12.76	12.31	12.46	12.26	12.38	13.07	13.84	14.82	14.92	14.05
MIN	12.08	11.26	11.88	11.24	10.98	10.88	11.41	12.27	13.03	13.28	13.63	12.80

## HYDROGRAPH



## BERKELEY COUNTY

332455079545501. Local number, BRK-62, Cooper River Rediversion No. 19.

LOCATION.--Lat 33°24'55", long 79°54'55", Hydrologic Unit 03050112, North Main Street in St. Stephens.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene sands.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in, depth 32 ft, screened interval 21-31 ft.

DATUM.--Measuring point: Top of platform, 74.61 ft National Geodetic Vertical Datum of 1929, 2.7 ft above land surface.

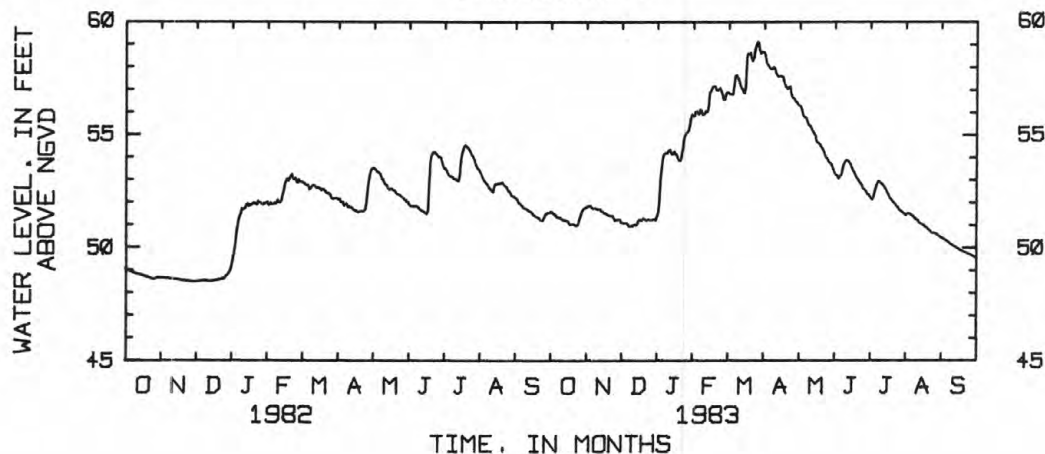
PERIOD OF RECORD.--November 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 59.08 ft NGVD, Mar. 27, 1983; lowest, 48.47 ft NGVD, Nov. 30, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51.56	51.81	51.09	51.50	55.81	56.85	58.59	56.29	53.33	52.30	51.44	50.41
2	51.54	51.83	51.05	51.97	56.00	56.86	58.60	56.25	53.21	52.22	51.41	50.41
3	51.48	51.84	51.06	52.97	56.03	56.80	58.44	56.22	53.16	52.15	51.50	50.37
4	51.44	51.84	51.07	53.48	55.93	56.77	58.12	56.10	53.12	52.09	51.51	50.34
5	51.38	51.73	51.06	53.91	55.88	56.76	58.04	55.91	53.01	52.24	51.47	50.31
6	51.33	51.71	50.99	54.08	56.11	56.76	57.98	55.76	53.12	52.47	51.43	50.27
7	51.33	51.72	50.92	54.18	56.04	57.09	57.88	55.72	53.18	52.65	51.39	50.23
8	51.31	51.73	50.92	54.17	55.87	57.56	57.85	55.72	53.34	52.80	51.35	50.19
9	51.31	51.70	50.95	54.19	55.88	57.61	57.87	55.55	53.59	52.92	51.30	50.14
10	51.24	51.66	50.93	54.28	55.94	57.52	57.96	55.42	53.74	52.93	51.24	50.12
11	51.20	51.66	51.01	54.32	56.04	57.42	57.88	55.37	53.84	52.86	51.21	50.09
12	51.18	51.69	51.00	54.20	55.99	57.26	57.69	55.31	53.86	52.81	51.17	50.05
13	51.20	51.59	50.97	54.10	56.18	57.09	57.57	55.19	53.82	52.75	51.10	50.02
14	51.17	51.57	51.06	54.16	56.80	56.99	57.53	55.10	53.77	52.69	51.05	50.00
15	51.16	51.52	51.17	54.25	56.89	56.89	57.55	55.01	53.70	52.62	51.02	49.95
16	51.10	51.48	51.23	54.11	56.99	56.80	57.57	54.94	53.54	52.52	50.99	49.93
17	51.01	51.50	51.19	54.08	57.12	57.07	57.52	54.68	53.43	52.40	50.96	49.90
18	51.01	51.45	51.19	53.91	57.13	58.40	57.50	54.60	53.34	52.30	50.92	49.86
19	51.02	51.41	51.28	53.81	57.11	58.57	57.29	54.58	53.22	52.20	50.88	49.83
20	51.02	51.38	51.25	53.83	56.94	58.51	57.14	54.52	53.11	52.12	50.84	49.81
21	51.00	51.38	51.21	53.96	56.93	58.60	57.05	54.43	53.03	52.06	50.79	49.82
22	50.95	51.38	51.19	54.31	56.98	58.33	56.98	54.36	52.95	52.00	50.74	49.77
23	50.94	51.35	51.22	54.73	57.05	58.22	57.09	54.26	52.87	51.93	50.69	49.75
24	51.01	51.26	51.22	54.95	56.92	58.36	57.11	54.11	52.81	51.88	50.63	49.72
25	51.19	51.16	51.20	55.05	56.77	58.74	56.77	53.97	52.74	51.80	50.60	49.70
26	51.36	51.21	51.21	55.08	56.51	58.90	56.62	53.92	52.59	51.74	50.62	49.68
27	51.52	51.20	51.21	55.16	56.52	59.08	56.57	53.81	52.54	51.66	50.61	49.66
28	51.64	51.23	51.24	55.39	56.74	59.04	56.51	53.71	52.49	51.60	50.59	49.63
29	51.72	51.21	51.22	55.71	---	58.70	56.42	53.69	52.43	51.57	50.54	49.60
30	51.74	51.10	51.19	55.88	---	58.55	56.37	53.61	52.34	51.53	50.49	49.57
31	51.77	---	51.35	55.80	---	58.62	---	53.48	---	51.49	50.46	---
MEAN	51.28	51.51	51.12	54.24	56.47	57.77	57.47	54.89	53.17	52.24	51.00	49.97
MAX	51.77	51.84	51.35	55.88	57.13	59.08	58.60	56.29	53.86	52.93	51.51	50.41
MIN	50.94	51.10	50.92	51.50	55.81	56.76	56.37	53.48	52.34	51.49	50.46	49.57

## HYDROGRAPH



## GROUND WATER LEVELS

## BERKELEY COUNTY

332455079545500. Local number, BRK-63, Cooper River Rediversion No. 20.

LOCATION.--Lat 33°24'55", long 79°54'55", Hydrologic Unit 03050112, North Main Street in St. Stephens.

Owner: U.S. Army Corp of Engineers.

AQUIFER.--Paleocene-Eocene limestones.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 158 ft, cased to 133 ft, open hole from 133 ft to 158 ft.

DATUM.--Measuring point: Top of platform, 75.04 ft National Geodetic Vertical Datum of 1929, 2.93 ft above land surface.

REMARKS.--Record estimated Dec. 4-31, 1982, Jan. 1-5, Mar. 3, Apr. 21-28, 1983.

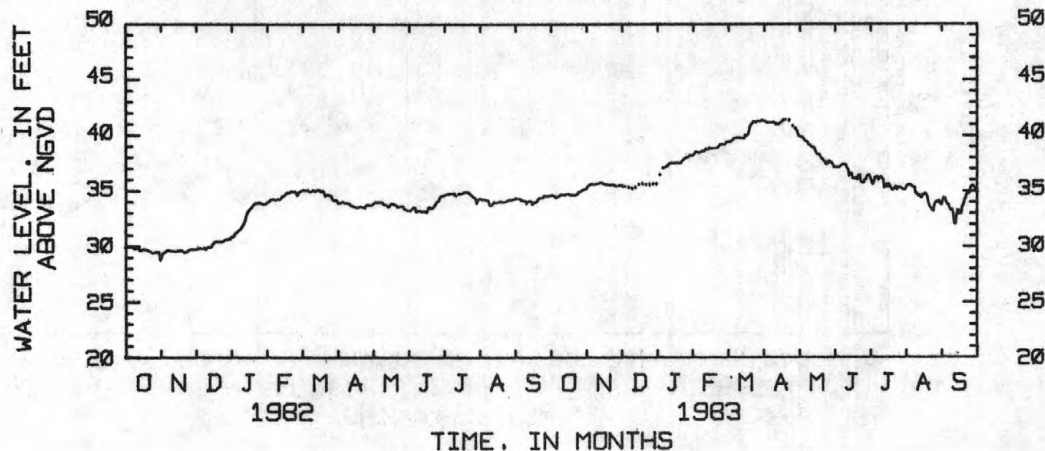
PERIOD OF RECORD.--November 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 50.95 ft NGVD, Mar. 26, 1975; lowest, 28.62 ft NGVD, Oct. 31, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.40	35.18	35.20	35.80	38.09	39.15	40.97	39.72	36.80	36.17	34.88	33.51
2	34.42	35.29	35.18	36.20	38.26	39.12	40.98	39.57	36.84	35.92	35.09	33.92
3	34.38	35.36	35.16	36.60	38.25	39.13	40.91	39.50	36.86	35.57	35.29	34.15
4	34.32	35.43	35.20	36.78	38.18	39.14	40.80	39.55	36.80	35.32	35.32	34.14
5	34.17	35.41	35.18	36.80	38.12	39.19	40.79	39.46	36.82	35.53	35.31	33.80
6	34.30	35.38	35.10	36.83	38.23	39.30	40.82	39.34	36.93	35.96	35.27	33.55
7	34.34	35.38	35.04	36.89	38.29	39.43	40.82	39.15	37.03	36.02	35.15	33.57
8	34.40	35.41	35.03	36.94	38.29	39.49	40.83	39.15	37.12	36.04	35.03	33.24
9	34.48	35.44	35.02	37.02	38.33	39.50	40.85	39.05	37.08	35.72	35.08	33.01
10	34.48	35.44	35.03	37.16	38.41	39.51	40.83	38.82	37.04	35.95	34.52	33.12
11	34.46	35.48	35.13	37.23	38.52	39.51	40.77	38.78	37.03	36.03	34.51	32.78
12	34.45	35.54	35.10	37.26	38.45	39.49	40.67	38.69	36.78	35.85	34.28	31.87
13	34.45	35.51	35.18	37.22	38.47	39.47	40.63	38.61	36.62	35.75	34.41	31.77
14	34.53	35.45	35.22	37.21	38.64	39.47	40.65	38.58	36.03	35.00	34.18	32.58
15	34.56	35.41	35.35	37.25	38.51	39.46	40.75	38.54	36.32	35.08	34.13	33.06
16	34.53	35.35	35.38	37.24	38.50	39.48	40.83	38.28	36.20	35.37	34.44	33.04
17	34.45	35.36	35.34	37.29	38.59	39.74	40.90	38.01	35.87	35.06	34.38	32.69
18	34.42	35.34	35.40	37.26	38.57	39.70	41.04	37.96	35.84	35.37	34.54	32.80
19	34.43	35.31	35.40	37.22	38.59	39.76	41.08	38.00	35.79	35.16	34.41	33.29
20	34.41	35.31	35.39	37.21	38.59	40.06	41.08	37.80	35.95	34.97	34.22	33.56
21	34.43	35.31	35.35	37.34	38.64	40.50	41.00	37.59	35.70	34.82	33.67	33.90
22	34.46	35.34	35.30	37.52	38.75	40.69	40.98	37.51	36.14	34.90	33.32	34.18
23	34.50	35.35	35.38	37.60	38.90	40.78	41.00	37.37	36.15	35.01	33.22	34.50
24	34.63	35.29	35.35	37.68	38.91	40.93	41.00	37.32	35.56	35.18	33.07	34.65
25	34.75	35.20	35.32	37.75	38.93	40.90	40.65	37.05	35.46	34.87	32.85	34.51
26	34.77	35.23	35.32	37.76	38.86	40.81	40.50	37.12	35.44	35.08	33.49	34.99
27	34.82	35.24	35.40	37.82	38.86	40.93	40.35	37.38	35.73	35.05	33.77	35.22
28	34.90	35.26	35.40	37.93	39.00	40.97	40.25	37.40	35.80	35.03	33.83	35.28
29	34.97	35.29	35.38	37.90	---	40.93	40.20	37.21	36.05	34.97	33.69	35.12
30	34.99	35.23	35.40	37.94	---	40.94	40.05	37.22	36.15	34.89	33.92	34.92
31	35.03	---	35.55	37.99	---	41.03	---	37.03	---	34.88	33.61	---
MEAN	34.54	35.35	35.26	37.25	38.53	39.95	40.77	38.28	36.33	35.37	34.29	33.69
MAX	35.03	35.54	35.55	37.99	39.00	41.03	41.08	39.72	37.12	36.17	35.32	35.28
MIN	34.17	35.18	35.02	35.80	38.09	39.12	40.05	37.03	35.44	34.82	32.85	31.77

## 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.--Drilled observation water-table well, diameter 6 in, depth 35 ft, screened interval 20 ft to 35 ft.

DATUM.--Measuring point: Top of casing, 61.24 ft National Geodetic Vertical Datum of 1929, 2.6 ft above land surface.

REMARKS.--Record estimated Oct. 1-7, 1982.

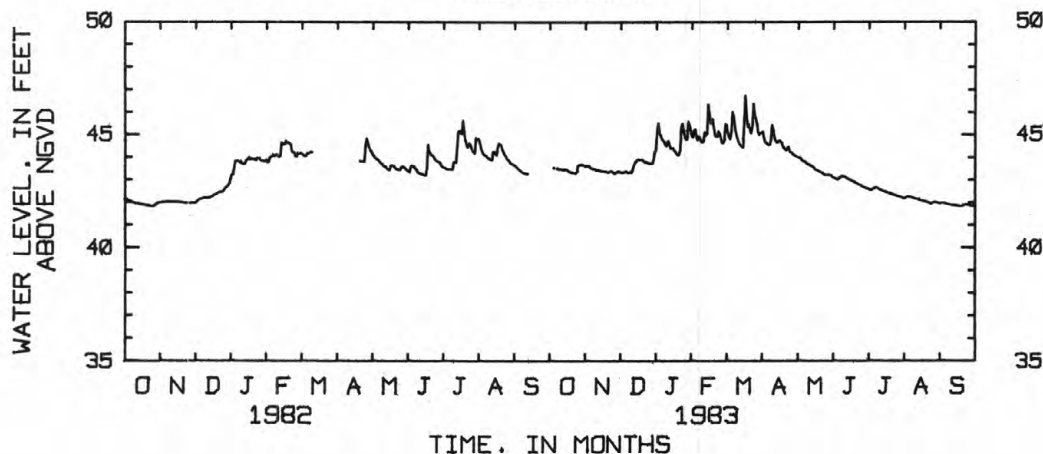
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 46.71 ft NGVD, Mar. 18, 1983; lowest, 41.17 ft NGVD, Nov. 25, 26, 27, 28, 1978.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43.60	43.58	43.30	45.04	44.84	45.44	45.06	43.98	43.08	42.58	42.15	41.92
2	43.55	43.59	43.27	45.49	45.14	45.42	45.09	43.97	43.05	42.56	42.15	41.94
3	43.52	43.59	43.29	45.05	45.21	45.04	44.83	43.96	43.03	42.52	42.21	41.95
4	43.50	43.57	43.32	44.92	44.87	44.88	44.62	43.92	43.01	42.50	42.24	41.95
5	43.48	43.48	43.35	44.78	44.71	44.76	44.59	43.86	42.97	42.54	42.24	41.93
6	43.48	43.46	43.32	44.70	44.89	45.07	44.54	43.80	43.03	42.61	42.23	41.91
7	43.46	43.44	43.28	44.64	44.82	45.39	44.49	43.79	43.06	42.63	42.21	41.90
8	43.44	43.44	43.29	44.51	44.64	45.79	44.52	43.78	43.12	42.64	42.19	41.88
9	43.46	43.41	43.31	44.45	44.62	45.31	44.70	43.71	43.14	42.64	42.17	41.87
10	43.43	43.37	43.31	44.66	44.66	45.01	45.40	43.66	43.12	42.61	42.14	41.86
11	43.41	43.38	43.40	44.68	45.08	44.83	45.18	43.65	43.11	42.56	42.13	41.85
12	43.41	43.41	43.60	44.47	44.91	44.67	44.86	43.62	43.09	42.52	42.12	41.84
13	43.43	43.35	43.73	44.34	45.00	44.54	44.69	43.57	43.05	42.49	42.10	41.83
14	43.43	43.37	43.80	44.36	46.31	44.49	44.62	43.55	43.01	42.48	42.08	41.83
15	43.44	43.34	43.86	44.37	45.93	44.43	44.62	43.52	42.98	42.46	42.07	41.83
16	43.39	43.33	43.89	44.25	45.46	44.40	44.70	43.49	42.94	42.44	42.06	41.82
17	43.32	43.34	43.87	44.21	45.67	45.48	44.67	43.40	42.93	42.42	42.04	41.81
18	43.31	43.32	43.88	44.10	45.63	46.71	44.61	43.37	42.91	42.40	42.03	41.80
19	43.30	43.31	43.88	44.06	45.24	45.81	44.45	43.37	42.88	42.38	42.01	41.79
20	43.30	43.30	43.83	44.09	44.92	45.30	44.38	43.34	42.85	42.36	41.99	41.79
21	43.28	43.33	43.76	44.24	44.86	45.43	44.31	43.31	42.82	42.34	41.98	41.83
22	43.25	43.36	43.77	45.33	44.87	45.19	44.27	43.29	42.79	42.32	41.96	41.86
23	43.25	43.35	43.74	45.45	45.12	45.00	44.39	43.26	42.77	42.31	41.93	41.87
24	43.34	43.29	43.71	45.12	45.03	45.33	44.42	43.21	42.75	42.30	41.91	41.87
25	43.61	43.23	43.70	44.89	44.82	46.35	44.25	43.18	42.72	42.27	41.90	41.87
26	43.65	43.27	43.69	44.74	44.59	45.84	44.17	43.18	42.67	42.26	41.96	41.86
27	43.66	43.29	43.71	44.75	44.58	45.69	44.15	43.18	42.65	42.24	41.99	41.84
28	43.66	43.34	43.70	45.54	44.74	45.44	44.10	43.18	42.63	42.23	41.99	41.81
29	43.64	43.36	43.86	45.42	---	45.06	44.05	43.18	42.61	42.21	41.98	41.80
30	43.60	43.30	44.23	45.16	---	44.94	44.02	43.16	42.59	42.19	41.95	41.78
31	43.57	---	44.28	44.92	---	45.04	---	43.13	---	42.18	41.93	---
MEAN	43.46	43.38	43.64	44.73	45.04	45.25	44.56	43.50	42.91	42.43	42.07	41.86
MAX	43.66	43.59	44.28	45.54	46.31	46.71	45.40	43.98	43.14	42.64	42.24	41.95
MIN	43.25	43.23	43.27	44.06	44.58	44.40	44.02	43.13	42.59	42.18	41.90	41.78

## HYDROGRAPH





## GROUND WATER LEVELS

## 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 limestones.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 130 ft, cased to 102 ft, open hole from 102 ft to 130 ft.

DATUM.--Measuring point: Top of casing, 61.17 ft National Geodetic Vertical Datum of 1929, 2.6 ft above land surface.

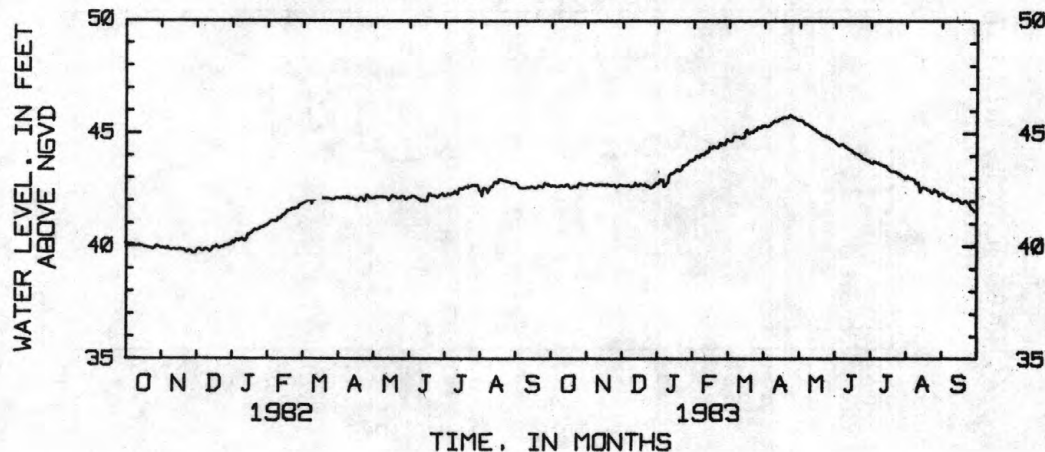
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 45.80 ft NGVD, Apr. 24, 1983; lowest, 39.66 ft NGVD, Nov. 28, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.64	42.70	42.66	42.78	43.84	44.72	45.27	45.55	44.58	43.73	42.97	42.29
2	42.67	42.75	42.67	42.93	43.97	44.67	45.33	45.54	44.54	43.68	42.99	42.31
3	42.65	42.75	42.67	42.92	43.98	44.63	45.33	45.53	44.49	43.65	43.06	42.27
4	42.65	42.77	42.65	42.86	43.94	44.63	45.27	45.55	44.43	43.62	42.98	42.18
5	42.62	42.71	42.68	42.92	43.92	44.64	45.29	45.49	44.41	43.73	42.96	42.17
6	42.61	42.68	42.69	42.61	44.01	44.74	45.33	45.43	44.45	43.71	42.95	42.11
7	42.63	42.68	42.63	42.66	44.06	44.84	45.35	45.36	44.47	43.66	42.94	42.13
8	42.64	42.67	42.61	42.78	44.04	44.84	45.42	45.37	44.48	43.64	42.91	42.11
9	42.67	42.70	42.63	42.81	44.02	44.83	45.46	45.35	44.42	43.61	42.89	42.08
10	42.66	42.70	42.62	43.07	44.11	44.81	45.52	45.30	44.39	43.61	42.74	42.05
11	42.62	42.71	42.68	43.16	44.19	44.83	45.52	45.28	44.33	43.57	42.79	41.98
12	42.64	42.72	42.80	43.22	44.11	44.78	45.51	45.24	44.31	43.56	42.79	42.04
13	42.67	42.71	42.69	43.19	44.17	44.76	45.52	45.19	44.27	43.53	42.58	42.03
14	42.73	42.69	42.65	43.25	44.37	44.81	45.54	45.15	44.24	43.52	42.56	42.06
15	42.70	42.69	42.67	43.30	44.30	44.81	45.62	45.12	44.23	43.52	42.55	42.08
16	42.63	42.69	42.75	43.33	44.32	44.85	45.62	45.12	44.19	43.46	42.59	42.00
17	42.56	42.71	42.73	43.38	44.41	45.05	45.63	45.04	44.14	43.40	42.57	41.97
18	42.57	42.71	42.69	43.37	44.38	45.14	45.69	45.01	44.09	43.35	42.53	41.87
19	42.60	42.68	42.69	43.29	44.35	44.97	45.70	44.98	44.08	43.31	42.55	41.89
20	42.62	42.68	42.70	43.36	44.33	44.96	45.68	44.95	44.05	43.27	42.47	41.88
21	42.64	42.65	42.69	43.40	44.35	45.04	45.66	44.89	44.03	43.27	42.45	41.97
22	42.62	42.67	42.61	43.54	44.45	45.02	45.68	44.88	44.00	43.27	42.44	41.99
23	42.60	42.69	42.66	43.58	44.56	45.00	45.74	44.84	43.94	43.25	42.37	41.93
24	42.70	42.70	42.60	43.59	44.55	45.11	45.80	44.83	43.95	43.24	42.32	41.89
25	42.78	42.62	42.55	43.61	44.53	45.15	45.74	44.78	43.86	43.21	42.39	41.83
26	42.74	42.59	42.58	43.64	44.46	45.10	45.68	44.82	43.82	43.20	42.49	41.72
27	42.70	42.63	42.61	43.72	44.47	45.22	45.66	44.79	43.81	43.14	42.43	41.64
28	42.69	42.69	42.64	43.80	44.60	45.26	45.65	44.72	43.80	43.11	42.39	41.60
29	42.71	42.73	42.72	43.76	---	45.21	45.62	44.70	43.78	43.08	42.39	41.56
30	42.68	42.67	42.78	43.80	---	45.23	45.57	44.69	43.75	43.05	42.20	41.51
31	42.69	---	42.77	43.82	---	45.33	---	44.64	---	43.02	42.27	---
MEAN	42.66	42.69	42.67	43.27	44.24	44.93	45.55	45.10	44.18	43.42	42.62	41.97
MAX	42.78	42.77	42.80	43.82	44.60	45.33	45.80	45.55	44.58	43.73	43.06	42.31
MIN	42.56	42.59	42.55	42.61	43.84	44.63	45.27	44.64	43.75	43.02	42.20	41.51

## HYDROGRAPH



## BERKELEY COUNTY

332435079580500. Local number, BRK-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.--Drilled observation water-table well, diameter 6 in, depth 42 ft, cased to 32 ft, screened intervals 32 ft to 42 ft.

DATUM.--Measuring point: Top of casing, 96.40 ft National Geodetic Vertical Datum of 1929, 12.46 ft above land surface.

REMARKS.--Record estimated Oct. 19 to Nov. 17, 1982, Jan. 5, Jan. 26 to Mar. 2, Aug. 14-19, 1983.

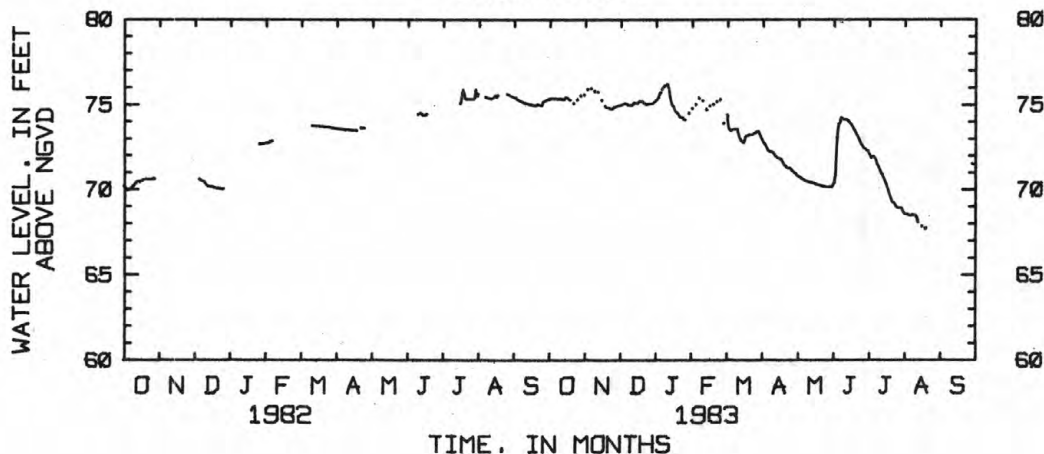
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 76.25 ft NGVD, Jan. 10, 1983; lowest, 67.66 ft NGVD, Apr. 16, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75.35	75.80	75.01	75.33	74.84	74.20	73.01	70.84	70.26	72.28	68.60	---
2	75.38	75.90	75.04	75.43	74.92	74.40	72.86	70.78	70.38	72.15	68.54	---
3	75.38	76.00	75.08	75.64	75.04	73.79	72.74	70.74	70.79	71.99	68.58	---
4	75.39	76.00	75.12	75.75	75.20	73.56	72.65	70.71	72.29	71.86	68.54	---
5	75.39	75.98	75.10	75.90	75.30	73.47	72.49	70.65	73.43	71.96	68.49	---
6	75.38	75.85	75.04	76.04	75.38	73.49	72.36	70.59	73.90	71.95	68.48	---
7	75.37	75.80	74.99	76.09	75.39	73.56	72.27	70.55	73.98	71.84	68.49	---
8	75.36	75.80	74.98	76.16	75.37	73.57	72.24	70.52	74.26	71.69	68.55	---
9	75.37	75.85	74.98	76.19	75.23	73.57	72.23	70.50	74.22	71.50	68.52	---
10	75.37	75.84	74.99	76.25	75.10	73.57	72.22	70.46	74.15	71.37	68.49	---
11	75.35	75.75	75.04	75.99	74.82	73.55	72.15	70.45	74.15	71.21	68.47	---
12	75.32	75.60	75.15	75.53	74.70	73.24	72.04	70.43	74.15	71.05	68.37	---
13	75.31	75.40	75.10	75.17	74.80	73.04	71.95	70.41	74.12	70.92	68.08	---
14	75.45	75.25	75.09	74.98	75.10	72.90	71.89	70.39	74.07	70.77	68.00	---
15	75.45	75.10	75.10	74.87	74.92	72.83	71.85	70.38	73.99	70.61	67.92	---
16	75.41	75.00	75.19	74.70	74.75	72.76	71.84	70.36	73.90	70.44	67.85	---
17	75.34	74.90	75.23	74.58	74.80	72.88	71.77	70.32	73.82	70.27	67.82	---
18	75.29	74.84	75.22	74.53	75.05	73.15	71.71	70.28	73.69	70.08	67.75	---
19	75.20	74.82	75.19	74.46	75.20	73.21	71.60	70.26	73.57	69.85	67.69	---
20	75.16	74.82	75.12	74.34	75.22	73.22	71.46	70.25	73.44	69.66	67.73	---
21	75.08	74.81	75.09	74.25	75.19	73.26	71.38	70.23	73.30	69.46	---	---
22	75.00	74.74	75.03	74.26	75.05	73.26	71.31	70.22	73.18	69.27	---	---
23	75.18	74.75	75.02	74.20	75.20	73.26	71.27	70.20	73.06	69.23	---	---
24	75.30	74.81	75.06	74.11	75.30	73.26	71.27	70.17	72.89	69.16	---	---
25	75.40	74.88	75.07	74.11	75.40	73.34	71.27	70.16	72.73	69.02	---	---
26	75.50	74.91	75.08	74.15	74.40	73.36	71.18	70.15	72.62	68.94	---	---
27	75.55	74.93	75.09	74.30	73.90	73.41	71.10	70.16	72.48	68.93	---	---
28	75.58	74.95	75.10	74.50	73.95	73.46	71.04	70.16	72.42	68.93	---	71.50
29	75.59	74.98	75.15	74.70	---	73.45	70.97	70.16	72.38	68.94	---	71.50
30	75.60	74.99	75.21	74.80	---	73.31	70.93	70.16	72.32	68.91	---	71.50
31	75.63	---	75.26	74.81	---	73.16	---	70.17	---	68.74	---	---
MEAN	75.37	75.30	75.09	75.04	74.98	73.37	71.84	70.38	73.13	70.42	---	---
MAX	75.63	76.00	75.26	76.25	75.40	74.40	73.01	70.84	74.26	72.28	---	---
MIN	75.00	74.74	74.98	74.11	73.90	72.76	70.93	70.15	70.26	68.74	---	---

## HYDROGRAPH



## GROUND WATER LEVELS

## 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 Limestones.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 173 ft cased to 140 ft, open hole from 140 ft to 173 ft.

DATUM.--Measuring point: Top of casing, 96.95 ft National Geodetic Vertical Datum of 1929, 3.0 ft above land surface.

REMARKS.--Record estimated July 30 to Aug. 19, 1983.

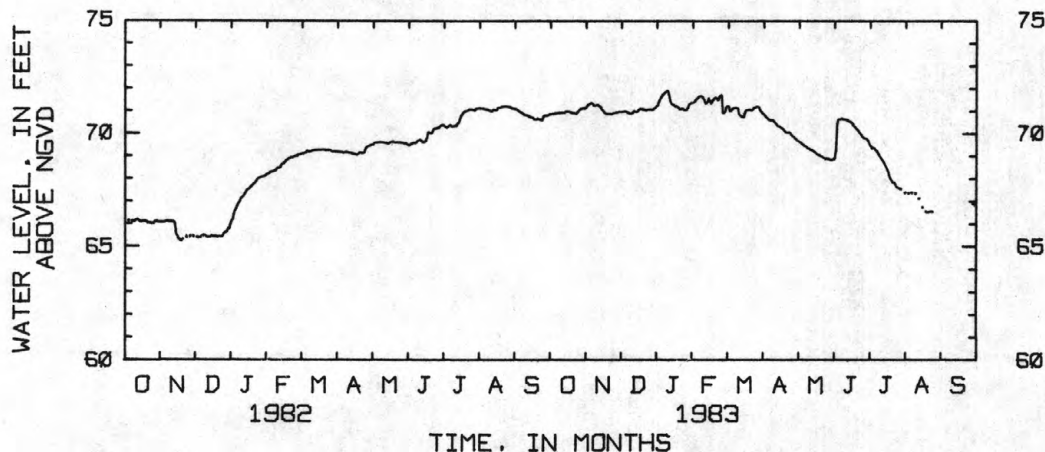
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 71.87 ft NGVD, Jan. 10, 1983; lowest, 48.10 ft NGVD, Sept. 18, 1975.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70.82	71.16	70.92	71.22	71.35	71.11	70.85	69.64	68.83	69.61	67.35	---
2	70.84	71.23	70.93	71.35	71.40	71.18	70.82	69.61	68.88	69.49	67.35	---
3	70.85	71.27	70.95	71.48	71.47	71.18	70.77	69.58	69.20	69.39	67.35	---
4	70.86	71.31	70.96	71.57	71.52	70.95	70.69	69.56	70.30	69.28	67.32	---
5	70.87	71.33	70.92	71.65	71.57	70.96	70.64	69.50	70.59	69.34	67.30	---
6	70.87	71.29	70.88	71.71	71.62	71.04	70.60	69.44	70.61	69.31	67.34	---
7	70.88	71.22	70.85	71.76	71.63	71.09	70.55	69.41	70.62	69.24	67.35	---
8	70.88	71.19	70.84	71.82	71.61	71.10	70.53	69.39	70.65	69.17	67.36	---
9	70.90	71.23	70.85	71.85	71.54	71.11	70.54	69.36	70.60	69.11	67.35	---
10	70.90	71.24	70.85	71.87	71.46	71.09	70.54	69.31	70.59	69.02	67.32	---
11	70.90	71.20	70.90	71.64	71.31	71.06	70.48	69.28	70.58	68.93	67.25	---
12	70.89	71.16	70.97	71.38	71.30	70.82	70.42	69.25	70.57	68.85	67.14	---
13	70.89	71.11	70.92	71.27	71.38	70.75	70.36	69.23	70.55	68.78	67.08	---
14	70.95	71.03	70.92	71.23	71.52	70.70	70.30	69.20	70.50	68.68	67.00	---
15	70.96	70.96	70.95	71.22	71.39	70.69	70.28	69.17	70.48	68.58	66.80	---
16	70.95	70.90	71.03	71.15	71.28	70.68	70.26	69.14	70.46	68.47	66.70	---
17	70.92	70.86	71.06	71.13	71.40	70.85	70.21	69.08	70.42	68.36	66.60	---
18	70.89	70.83	71.05	71.15	71.47	71.00	70.18	69.03	70.35	68.25	66.55	---
19	70.88	70.82	71.04	71.10	71.53	71.01	70.13	69.01	70.28	68.08	66.51	---
20	70.87	70.84	71.01	71.02	71.55	71.01	70.07	68.99	70.22	67.96	66.49	---
21	70.87	70.84	71.01	71.02	71.52	71.04	70.02	68.96	70.15	67.86	66.49	---
22	70.85	70.81	70.98	71.07	71.42	71.00	69.99	68.93	70.09	67.79	66.51	---
23	70.83	70.83	71.01	71.03	71.55	70.98	69.99	68.90	70.02	67.80	66.52	---
24	70.91	70.87	71.04	70.99	71.64	71.04	70.02	68.87	69.95	67.72	66.52	---
25	70.98	70.88	71.03	70.99	71.67	71.13	69.96	68.84	69.88	67.61	66.52	---
26	71.02	70.89	71.02	71.01	70.87	71.12	69.89	68.85	69.80	67.57	---	---
27	71.07	70.90	71.01	71.10	70.86	71.16	69.84	68.84	69.76	67.54	---	---
28	71.08	70.91	71.02	71.23	70.93	71.17	69.79	68.82	69.74	67.52	---	66.87
29	71.09	70.93	71.07	71.30	---	71.12	69.73	68.80	69.73	67.49	---	66.85
30	71.10	70.92	71.12	71.34	---	70.99	69.69	68.79	69.68	67.40	---	66.84
31	71.09	---	71.18	71.34	---	70.93	---	68.80	---	67.35	---	---
MEAN	70.92	71.03	70.98	71.32	71.42	71.00	70.27	69.15	70.14	68.44		
MAX	71.10	71.33	71.18	71.87	71.67	71.18	70.85	69.64	70.65	69.61		
MIN	70.82	70.81	70.84	70.99	70.86	70.68	69.69	68.79	68.83	67.35		

## HYDROGRAPH



## 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 south of Crawl Creek.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene sands.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in, depth 35 ft, cased to 25 ft, screened 25 ft to 35 ft.

DATUM.--Measuring point: Top of casing, 52.18 ft, National Geodetic Vertical Datum of 1929, 2.50 ft above land surface.

REMARKS.--Record estimated Mar. 3-10, 1982, Oct. 29 to Nov. 17, 1982.

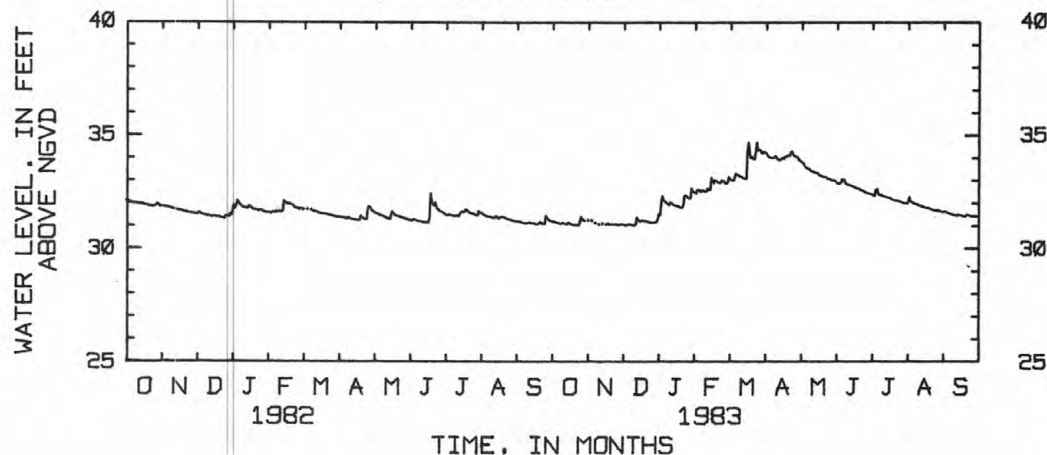
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.06 ft NGVD, Oct. 30, 1975; lowest, 31.01 ft NGVD, Dec. 2, 3, 8, 10, 1982.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.18	31.23	31.02	31.46	32.42	33.13	34.19	33.83	32.90	32.37	31.95	31.58
2	31.18	31.23	31.01	32.02	32.57	33.04	34.19	33.78	32.84	32.34	32.06	31.61
3	31.15	31.21	31.01	32.29	32.58	32.99	34.10	33.75	32.83	32.30	32.25	31.59
4	31.13	31.19	31.04	32.12	32.50	32.97	34.00	33.70	32.83	32.29	32.06	31.56
5	31.11	31.15	31.06	32.06	32.47	32.97	33.98	33.61	32.85	32.54	32.00	31.54
6	31.10	31.11	31.06	32.01	32.54	33.11	33.98	33.53	33.03	32.61	31.97	31.52
7	31.09	31.10	31.03	31.97	32.53	33.28	33.95	33.49	32.92	32.40	31.96	31.50
8	31.10	31.08	31.01	31.92	32.49	33.24	33.97	33.49	33.01	32.34	31.94	31.48
9	31.12	31.05	31.02	31.90	32.49	33.19	33.99	33.45	32.87	32.33	31.92	31.46
10	31.12	31.02	31.01	32.02	32.52	33.16	34.04	33.39	32.81	32.32	31.89	31.46
11	31.09	31.05	31.06	31.98	32.63	33.14	33.95	33.36	32.78	32.28	31.87	31.44
12	31.07	31.08	31.35	31.92	32.56	33.11	33.89	33.35	32.76	32.27	31.86	31.43
13	31.07	31.10	31.27	31.89	32.59	33.08	33.86	33.33	32.75	32.25	31.84	31.42
14	31.13	31.08	31.19	31.86	33.10	33.07	33.87	33.30	32.74	32.24	31.81	31.49
15	31.11	31.05	31.18	31.87	32.93	33.05	33.94	33.29	32.73	32.23	31.79	31.46
16	31.07	31.08	31.23	31.84	32.86	33.05	33.96	33.30	32.69	32.21	31.78	31.43
17	31.04	31.07	31.22	31.83	33.00	34.28	33.93	33.22	32.66	32.18	31.78	31.42
18	31.03	31.06	31.19	31.80	32.96	34.66	34.01	33.17	32.64	32.16	31.76	31.40
19	31.02	31.05	31.20	31.77	32.91	34.03	34.05	33.16	32.62	32.13	31.75	31.39
20	31.03	31.04	31.20	31.77	32.87	33.94	34.07	33.14	32.60	32.10	31.73	31.40
21	31.03	31.05	31.18	31.87	32.87	34.02	34.08	33.12	32.58	32.09	31.71	31.46
22	31.02	31.06	31.15	32.33	32.90	33.91	34.09	33.13	32.55	32.08	31.69	31.47
23	31.02	31.06	31.14	32.32	32.99	33.89	34.20	33.11	32.52	32.09	31.67	31.42
24	31.16	31.05	31.14	32.27	32.95	34.22	34.26	33.07	32.50	32.08	31.65	31.41
25	31.40	31.02	31.13	32.22	32.92	34.66	34.12	33.03	32.48	32.05	31.65	31.40
26	31.26	31.02	31.13	32.19	32.84	34.28	34.05	33.04	32.44	32.05	31.67	31.41
27	31.22	31.03	31.14	32.21	32.84	34.34	34.03	33.02	32.43	32.01	31.65	31.41
28	31.20	31.05	31.15	32.63	32.90	34.32	34.00	32.97	32.41	31.98	31.64	31.39
29	31.20	31.07	31.17	32.51	---	34.19	33.95	32.97	32.41	31.97	31.63	31.39
30	31.20	31.04	31.29	32.46	---	34.16	33.88	32.97	32.38	31.96	31.60	31.39
31	31.22	---	31.51	32.43	---	34.25	---	32.94	---	31.96	31.58	---
MEAN	31.12	31.08	31.14	32.06	32.74	33.64	34.02	33.29	32.69	32.20	31.81	31.46
MAX	31.40	31.23	31.51	32.63	33.10	34.66	34.26	33.83	33.03	32.61	32.25	31.61
MIN	31.02	31.02	31.01	31.46	32.42	32.97	33.86	32.94	32.38	31.96	31.58	31.39

## HYDROGRAPH





## GROUND WATER LEVELS

## 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, 0.5 mi south of Crawl Creek.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene -Eocene Limestones.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 113 ft, cased to 73 ft, open hole 73 ft to 113 ft.

DATUM.--Measuring point: Top of casing, 53.39 ft National Geodetic Vertical Datum of 1929, 3.8 ft above land surface.

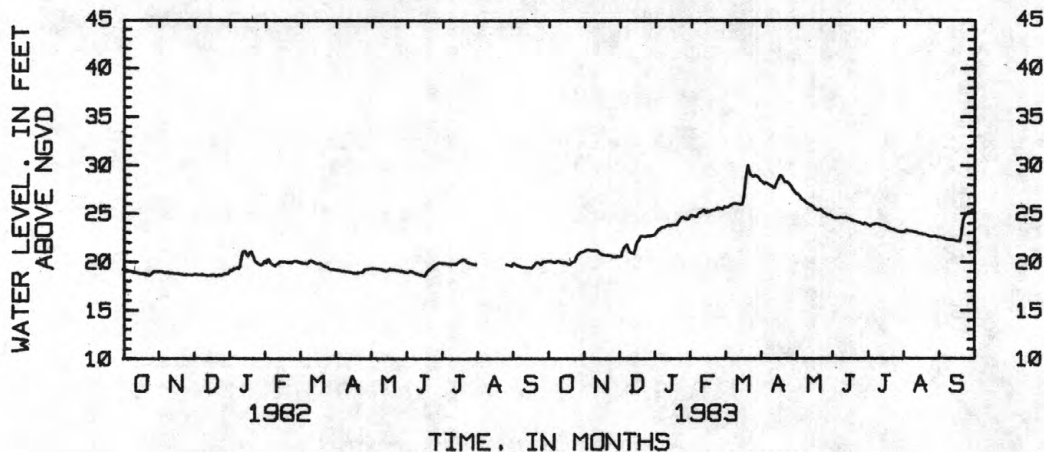
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 41.44 ft NGVD, Apr. 6, 1977; lowest, 18.53 ft NGVD, Dec. 19, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.07	21.19	20.52	22.95	24.75	25.69	28.31	27.06	24.64	23.81	23.01	22.47
2	20.06	21.23	20.57	23.18	24.79	25.64	28.25	26.95	24.53	23.73	23.05	22.47
3	20.04	21.26	21.00	23.30	24.74	25.64	28.15	26.88	24.49	23.66	23.15	22.42
4	20.01	21.27	21.33	23.35	24.66	25.68	28.01	26.78	24.48	23.61	23.22	22.38
5	19.93	21.20	21.55	23.46	24.67	25.75	28.14	26.62	24.46	23.76	23.17	22.36
6	19.90	21.16	21.68	23.54	24.95	25.86	28.16	26.45	24.51	23.83	23.14	22.34
7	19.98	21.16	21.78	23.59	25.08	25.94	28.02	26.35	24.51	23.83	23.12	22.31
8	20.09	21.18	21.42	23.62	25.11	26.01	27.93	26.30	24.57	23.88	23.10	22.27
9	20.10	21.19	21.12	23.66	25.19	26.03	27.84	26.19	24.54	23.93	23.08	22.24
10	20.02	21.19	20.92	23.74	25.29	26.02	27.78	26.04	24.51	23.91	23.04	22.23
11	19.95	21.18	20.87	23.78	25.36	26.02	27.69	25.96	24.51	23.84	23.01	22.22
12	19.91	21.10	20.90	23.77	25.15	25.99	27.62	25.91	24.53	23.79	23.01	22.20
13	19.91	20.95	20.79	23.73	25.06	25.95	27.65	25.82	24.50	23.75	22.97	22.18
14	19.94	20.82	21.18	23.75	25.24	25.93	27.93	25.75	24.47	23.72	22.91	22.19
15	19.90	20.77	21.68	23.82	25.15	25.93	28.26	25.70	24.45	23.70	22.88	22.12
16	19.86	20.69	22.03	23.80	25.19	25.91	28.47	25.62	24.38	23.69	22.86	22.09
17	19.77	20.69	22.19	23.82	25.32	26.26	28.82	25.45	24.31	23.65	22.84	22.09
18	19.73	20.67	22.46	23.79	25.32	27.40	28.92	25.33	24.27	23.56	22.82	22.07
19	19.74	20.67	22.66	23.87	25.36	28.61	28.81	25.28	24.21	23.47	22.80	22.07
20	19.88	20.66	22.66	24.04	25.35	29.31	28.59	25.25	24.17	23.40	22.77	22.65
21	19.97	20.63	22.62	24.25	25.40	29.99	28.37	25.29	24.13	23.35	22.73	23.61
22	20.01	20.63	22.59	24.45	25.50	29.42	28.22	25.39	24.09	23.33	22.68	24.39
23	20.07	20.63	22.62	24.59	25.62	28.96	28.22	25.27	24.03	23.30	22.63	24.69
24	20.33	20.58	22.65	24.65	25.59	28.89	28.24	25.13	24.00	23.27	22.58	24.83
25	20.63	20.49	22.68	24.59	25.56	28.78	28.03	25.00	23.98	23.21	22.56	24.99
26	20.78	20.51	22.68	24.44	25.43	28.80	27.94	24.96	23.91	23.17	22.57	25.12
27	20.90	20.54	22.69	24.42	25.43	28.94	27.77	24.89	23.84	23.11	22.58	25.19
28	20.99	20.57	22.72	24.46	25.57	28.85	27.56	24.81	23.81	23.06	22.59	25.26
29	21.05	20.62	22.76	24.45	---	28.79	27.37	24.80	23.98	23.04	22.58	25.29
30	21.07	20.55	22.79	24.61	---	28.65	27.20	24.79	23.92	23.03	22.53	25.33
31	21.11	---	22.87	24.84	---	28.52	---	24.74	---	23.02	22.49	---
MEAN	20.18	20.87	21.90	23.95	25.21	27.23	28.08	25.70	24.29	23.53	22.85	23.14
MAX	21.11	21.27	22.87	24.84	25.62	29.99	28.92	27.06	24.64	23.93	23.22	25.33
MIN	19.73	20.49	20.52	22.95	24.66	25.64	27.20	24.74	23.81	23.02	22.49	22.07

## HYDROGRAPH



## 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 east of St. Stephens on State Hwy. 45, left on dirt road under power lines, 1,000 ft north of highway.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene Sands.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in, depth 35 ft, screened interval 20 ft to 35 ft.

DATUM.--Measuring point: Top of casing, 79.97 ft National Geodetic Vertical Datum of 1929, 2.79 ft above land surface.

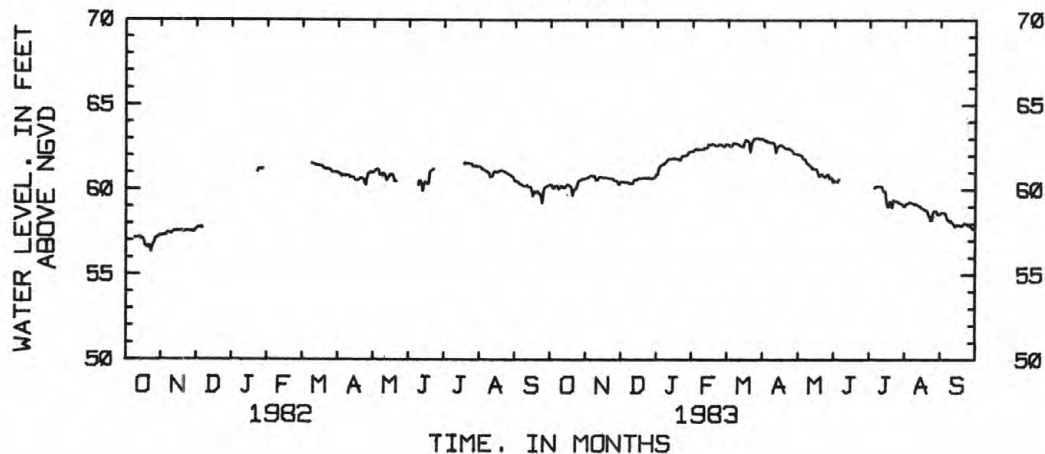
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 63.08 ft NGVD, Mar. 27, 1983; lowest, 56.31 ft NGVD, Oct. 23, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.28	60.72	60.49	60.94	62.30	62.72	63.04	62.09	60.43	---	59.01	58.58
2	60.28	60.75	60.48	61.19	62.39	62.70	63.00	62.07	60.48	---	59.08	58.66
3	60.09	60.77	60.47	61.41	62.44	62.67	62.93	62.04	60.52	---	59.18	58.68
4	60.11	60.83	60.45	61.45	62.40	62.62	62.90	62.03	60.47	---	59.19	58.67
5	60.23	60.85	60.42	61.51	62.35	62.55	62.86	61.98	60.46	---	59.25	58.64
6	60.25	60.81	60.45	61.53	62.42	62.61	62.83	61.85	60.62	60.10	59.29	58.55
7	60.25	60.79	60.42	61.59	62.41	62.71	62.80	61.79	---	60.18	59.25	58.30
8	60.03	60.80	60.36	61.64	62.40	62.79	62.79	61.75	---	60.19	59.21	58.22
9	60.13	60.58	60.37	61.71	62.40	62.77	62.78	61.60	---	60.21	59.17	58.15
10	60.22	60.57	60.39	61.81	62.40	62.73	62.79	61.53	---	60.21	59.12	58.21
11	60.24	60.67	60.43	61.85	62.50	62.71	62.75	61.48	---	60.19	59.17	58.07
12	60.12	60.76	60.59	61.85	62.46	62.66	62.61	61.41	---	60.18	59.14	58.05
13	60.12	60.77	60.61	61.84	62.50	62.62	62.19	61.34	---	60.16	59.07	57.94
14	60.22	60.75	60.59	61.85	62.69	62.56	62.53	61.19	---	60.00	59.05	57.82
15	60.30	60.72	60.65	61.88	62.68	62.55	62.56	61.26	---	59.88	59.03	57.94
16	60.30	60.72	60.71	61.85	62.67	62.55	62.63	61.19	---	59.91	58.93	57.92
17	60.27	60.74	60.70	61.85	62.73	62.79	62.64	61.18	---	59.24	58.90	57.93
18	60.22	60.73	60.68	61.84	62.70	62.99	62.60	61.18	---	59.01	58.87	57.91
19	60.07	60.72	60.71	61.81	62.65	62.94	62.55	60.99	---	59.02	58.82	57.88
20	59.66	60.68	60.74	61.77	62.60	62.89	62.49	60.78	---	59.34	58.77	57.89
21	59.96	60.67	60.72	61.80	62.60	62.80	62.44	60.87	---	59.24	58.75	57.96
22	60.06	60.68	60.70	61.97	62.62	62.22	62.42	60.93	---	58.94	58.54	58.04
23	60.09	60.67	60.71	62.03	62.70	62.68	62.43	60.84	---	59.38	58.43	58.03
24	60.27	60.62	60.70	62.03	62.69	62.89	62.43	60.78	---	59.37	58.20	57.99
25	60.51	60.53	60.69	62.05	62.67	63.05	62.35	60.73	---	59.32	58.23	57.91
26	60.58	60.51	60.68	62.06	62.61	63.03	62.33	60.80	---	59.34	58.66	57.90
27	60.60	60.53	60.68	62.10	62.55	63.08	62.29	60.90	---	59.28	58.76	57.84
28	60.64	60.42	60.69	62.25	62.58	63.07	62.14	60.88	---	59.23	58.76	57.81
29	60.68	60.31	60.71	62.26	---	63.02	62.12	60.64	---	59.20	58.71	57.69
30	60.69	60.47	60.80	62.28	---	62.99	62.11	60.73	---	59.14	58.55	57.72
31	60.65	---	60.92	62.29	---	63.04	---	60.70	---	59.13	58.58	---
MEAN	60.26	60.67	60.60	61.82	62.54	62.77	62.58	61.28			58.89	58.10
MAX	60.69	60.85	60.92	62.29	62.73	63.08	63.04	62.09			59.29	58.68
MIN	59.66	60.31	60.36	60.94	62.30	62.22	62.11	60.64			58.20	57.69

## HYDROGRAPH



## GROUND WATER LEVELS

## 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 east of St. Stephens on State Hwy. 45, left on dirt road under power lines, and 1,000 ft north of highway.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene-Eocene Limestones.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 143 ft, cased to 125 ft, open hole from 125 ft to 140 ft.

DATUM.--Measuring point: Top of casing, 80.41 ft National Geodetic Vertical Datum of 1929, 3.09 ft above land surface.

REMARKS.--Record estimated Mar. 15-21, 1982, Jan. 17 to Mar. 3, June 3 to July 5, 1983.

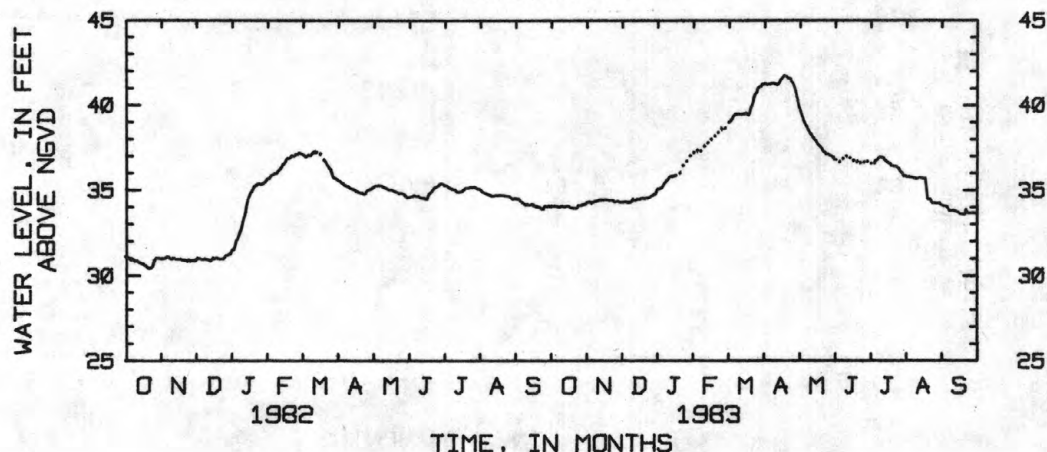
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 44.23 ft NGVD, Jan. 24, 1977; lowest, 30.01 ft NGVD, Nov. 14, 1980.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.07	34.35	34.32	35.09	37.30	38.95	41.25	40.07	36.81	36.60	35.82	34.11
2	34.09	34.35	34.36	35.13	37.35	39.00	41.32	39.82	36.78	36.58	35.76	34.07
3	34.08	34.34	34.35	35.15	37.35	39.05	41.31	39.64	36.75	36.54	35.79	34.06
4	34.08	34.27	34.37	35.20	37.30	39.12	41.21	39.43	36.70	36.59	35.81	34.07
5	34.07	34.32	34.34	35.29	37.30	39.19	41.26	39.24	36.65	36.60	35.77	34.03
6	34.06	34.35	34.29	35.43	37.32	39.33	41.26	39.02	36.70	36.76	35.75	34.01
7	34.05	34.41	34.34	35.51	37.40	39.44	41.29	38.87	36.80	36.76	35.73	33.85
8	34.05	34.38	34.32	35.57	37.45	39.50	41.32	38.77	36.85	36.83	35.70	33.79
9	34.07	34.41	34.40	35.65	37.60	39.49	41.32	38.61	36.95	36.94	35.69	33.80
10	34.07	34.43	34.50	35.76	37.78	39.51	41.32	38.49	37.00	36.98	35.69	33.81
11	34.04	34.46	34.40	35.83	37.80	39.49	41.27	38.35	37.00	36.94	35.69	33.82
12	34.04	34.44	34.43	35.84	37.78	39.49	41.25	38.28	36.97	36.95	35.73	33.77
13	34.07	34.48	34.48	35.82	38.00	39.49	41.19	38.17	36.90	36.88	35.75	33.76
14	34.10	34.44	34.51	35.86	38.02	39.49	41.28	38.06	36.90	36.77	35.73	33.73
15	34.10	34.46	34.49	35.91	38.00	39.52	41.38	37.95	36.85	36.72	35.72	33.72
16	34.04	34.46	34.49	35.91	38.10	39.47	41.51	37.90	36.80	36.67	35.73	33.64
17	33.99	34.45	34.56	35.92	38.20	39.57	41.59	37.79	36.75	36.60	35.67	33.60
18	33.96	34.45	34.57	35.95	38.20	39.48	41.70	37.67	36.70	36.57	35.71	33.61
19	33.99	34.43	34.55	36.03	38.17	39.43	41.78	37.62	36.70	36.52	35.26	33.58
20	33.98	34.43	34.52	36.15	38.20	39.54	41.72	37.53	36.68	36.43	34.48	33.57
21	33.98	34.43	34.58	36.30	38.40	39.81	41.69	37.46	36.65	36.41	34.46	33.58
22	33.95	34.44	34.57	36.45	38.60	39.98	41.58	37.29	36.64	36.39	34.46	33.89
23	34.00	34.42	34.60	36.60	38.70	40.18	41.59	37.25	36.62	36.40	34.40	33.70
24	34.15	34.34	34.61	36.65	38.63	40.54	41.58	37.20	36.62	36.36	34.24	33.65
25	34.12	34.35	34.65	36.70	38.60	40.68	41.42	37.12	36.63	36.31	34.25	33.66
26	34.14	34.38	34.70	36.74	38.60	40.76	41.34	37.15	36.64	36.27	34.26	33.67
27	34.15	34.40	34.73	37.00	38.65	41.01	41.19	37.08	36.65	36.15	34.24	33.68
28	34.19	34.33	34.80	37.05	38.90	41.09	41.01	37.05	36.67	36.06	34.24	33.67
29	34.20	34.32	34.80	37.10	---	41.13	40.71	37.02	36.68	36.00	34.24	33.66
30	34.22	34.32	34.88	37.15	---	41.14	40.41	36.97	36.68	35.84	34.26	33.65
31	34.30	---	35.10	37.23	---	41.29	---	36.93	---	35.86	34.14	---
MEAN	34.08	34.39	34.54	36.06	37.99	39.84	41.34	38.06	36.76	36.53	35.17	33.77
MAX	34.30	34.48	35.10	37.23	38.90	41.29	41.78	40.07	37.00	36.98	35.82	34.11
MIN	33.95	34.27	34.29	35.09	37.30	38.95	40.41	36.93	36.62	35.84	34.14	33.57

## HYDROGRAPH



## 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.--Drilled observation water-table well, diameter 6 in, depth 30 ft, cased to 20 ft, screened 20 ft to 30 ft.

DATUM.--Measuring point: Top of casing, 80.69 ft National Geodetic Vertical Datum of 1929, 3.27 ft above land surface.

REMARKS.--Record estimated Dec. 12-15, 1981, Jan. 12-20, Jan. 27 to Mar. 9, May 6 to June 9, June 28 to July 14, 1982.

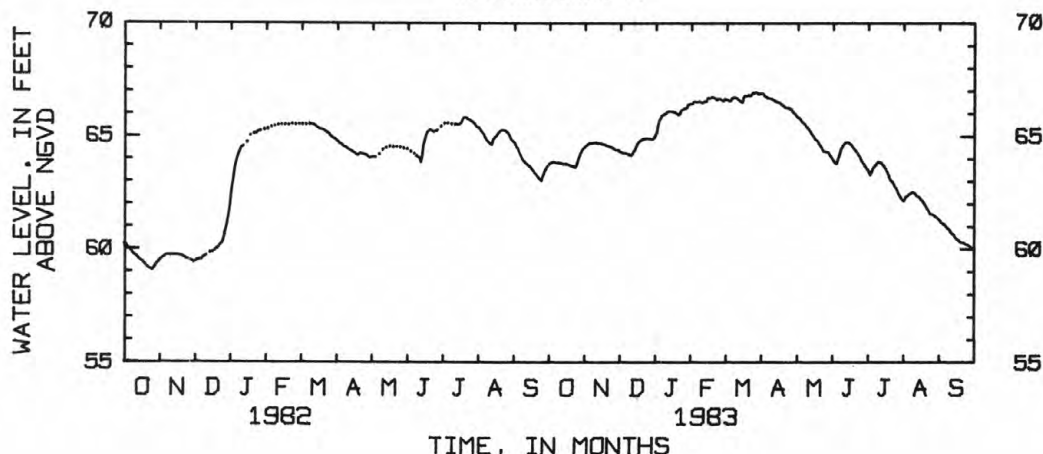
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 66.91 ft NGVD, Mar. 27, 1983; lowest, 58.54 ft NGVD, Nov. 29, 1978.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63.74	64.55	64.26	65.12	66.41	66.62	66.86	65.88	64.01	63.53	62.12	61.27
2	63.80	64.60	64.24	65.39	66.49	66.60	66.86	65.82	63.92	63.46	62.12	61.22
3	63.83	64.63	64.23	65.62	66.52	66.57	66.82	65.76	63.84	63.35	62.22	61.15
4	63.84	64.68	64.23	65.74	66.49	66.54	66.75	65.75	63.77	63.24	62.31	61.11
5	63.83	64.68	64.22	65.84	66.47	66.52	66.71	65.68	63.73	63.39	62.34	61.08
6	63.80	64.68	64.21	65.91	66.50	66.55	66.67	65.61	63.92	63.51	62.41	61.03
7	63.79	64.69	64.17	65.95	66.51	66.64	66.63	65.55	64.07	63.61	62.43	60.98
8	63.80	64.69	64.15	65.97	66.47	66.68	66.63	65.52	64.27	63.70	62.48	60.92
9	63.80	64.70	64.14	65.99	66.44	66.68	66.62	65.46	64.42	63.75	62.50	60.87
10	63.78	64.68	64.13	66.05	66.45	66.67	66.60	65.38	64.53	63.81	62.50	60.82
11	63.76	64.67	64.17	66.08	66.52	66.65	66.58	65.32	64.62	63.82	62.46	60.74
12	63.75	64.68	64.29	66.08	66.50	66.61	66.54	65.27	64.68	63.82	62.40	60.66
13	63.73	64.67	64.36	66.06	66.52	66.55	66.50	65.20	64.72	63.79	62.32	60.62
14	63.75	64.64	64.47	66.05	66.67	66.51	66.46	65.11	64.72	63.76	62.30	60.59
15	63.75	64.63	64.58	66.05	66.65	66.46	66.46	65.03	64.70	63.70	62.27	60.50
16	63.74	64.60	64.69	66.02	66.64	66.44	66.45	64.96	64.66	63.62	62.21	60.44
17	63.70	64.60	64.75	66.01	66.70	66.65	66.43	64.86	64.62	63.54	62.15	60.40
18	63.68	64.58	64.79	65.97	66.70	66.77	66.40	64.81	64.57	63.44	62.10	60.36
19	63.66	64.55	64.84	65.93	66.68	66.75	66.34	64.77	64.49	63.33	62.03	60.31
20	63.65	64.53	64.87	65.90	66.64	66.75	66.29	64.70	64.41	63.22	61.94	60.27
21	63.63	64.52	64.87	65.94	66.60	66.80	66.25	64.61	64.35	63.05	61.85	60.27
22	63.60	64.50	64.87	66.07	66.56	66.77	66.20	64.55	64.29	62.99	61.76	60.27
23	63.58	64.49	64.88	66.15	66.63	66.75	66.22	64.47	64.22	62.94	61.68	60.22
24	63.68	64.45	64.87	66.18	66.62	66.82	66.22	64.37	64.14	62.85	61.58	60.19
25	63.84	64.40	64.86	66.20	66.62	66.90	66.18	64.29	64.06	62.75	61.51	60.17
26	64.01	64.38	64.86	66.21	66.57	66.87	66.14	64.28	63.93	62.67	61.53	60.16
27	64.16	64.36	64.85	66.24	66.53	66.91	66.13	64.27	63.84	62.57	61.49	60.13
28	64.28	64.35	64.86	66.36	66.55	66.90	66.05	64.25	63.75	62.46	61.44	60.08
29	64.38	64.35	64.87	66.38	---	66.86	65.98	64.22	63.68	62.37	61.41	60.02
30	64.44	64.29	64.93	66.41	---	66.83	65.94	64.16	63.60	62.28	61.36	59.96
31	64.50	---	65.04	66.41	---	66.87	---	64.09	---	62.20	61.32	---
MEAN	63.85	64.56	64.57	66.01	66.56	66.69	66.43	64.97	64.22	63.24	62.02	60.56
MAX	64.50	64.70	65.04	66.41	66.70	66.91	66.86	65.88	64.72	63.82	62.50	61.27
MIN	63.58	64.29	64.13	65.12	66.41	66.44	65.94	64.09	63.60	62.20	61.32	59.96

## HYDROGRAPH





## GROUND WATER LEVELS

## 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.--Eocene Limestones.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 140 ft cased to 120 ft, open hole 120 ft to 140 ft.

DATUM.--Measuring point: Top of casing, 80.74 ft National Geodetic Vertical Datum of 1929, 3.43 ft above land surface.

REMARKS.--Record estimated Oct. 1-29, 1981.

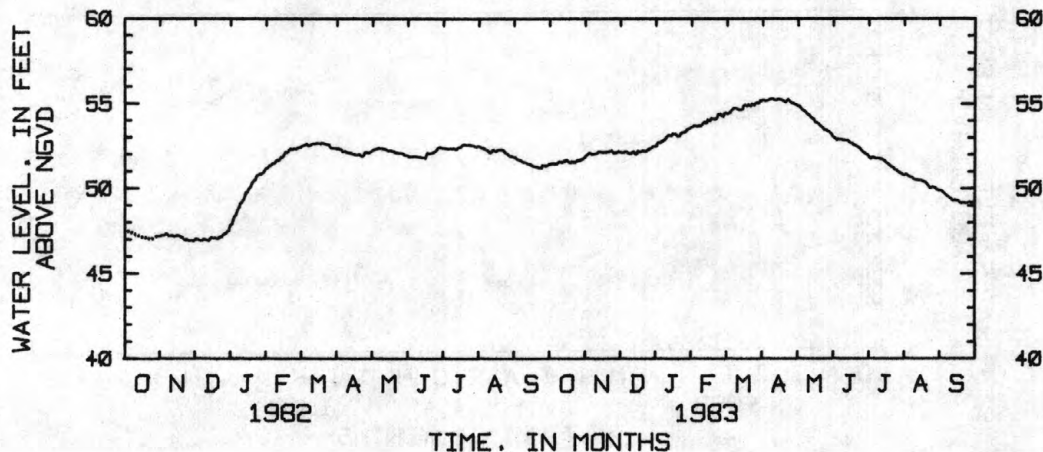
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 56.42 ft NGVD, Jan. 28, 1977; lowest, 47.13 ft NGVD, Dec. 22, 1980.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51.42	51.94	52.15	52.54	53.67	54.48	55.16	54.92	53.09	51.98	50.78	49.87
2	51.47	52.00	52.13	52.73	53.73	54.44	55.23	54.88	53.01	51.91	50.78	49.90
3	51.47	52.06	52.14	52.75	53.72	54.42	55.24	54.86	52.96	51.81	50.85	49.87
4	51.48	52.12	52.17	52.70	53.70	54.45	55.18	54.84	52.92	51.73	50.82	49.81
5	51.48	52.07	52.19	52.77	53.67	54.50	55.19	54.74	52.86	51.86	50.74	49.73
6	51.47	52.02	52.17	52.83	53.72	54.59	55.22	54.65	52.93	51.85	50.71	49.67
7	51.49	52.02	52.10	52.87	53.72	54.67	55.23	54.59	52.89	51.78	50.67	49.62
8	51.54	52.04	52.06	52.92	53.71	54.75	55.28	54.56	52.93	51.76	50.66	49.55
9	51.59	52.06	52.08	52.97	53.78	54.77	55.31	54.49	52.89	51.79	50.62	49.49
10	51.57	52.07	52.07	53.09	53.88	54.75	55.32	54.40	52.86	51.79	50.55	49.44
11	51.56	52.11	52.16	53.16	53.94	54.72	55.30	54.35	52.85	51.75	50.51	49.38
12	51.57	52.20	52.22	53.16	53.85	54.67	55.24	54.30	52.84	51.73	50.51	49.32
13	51.61	52.20	52.06	53.11	53.91	54.64	55.21	54.23	52.83	51.71	50.50	49.29
14	51.66	52.15	52.02	53.15	54.08	54.66	55.22	54.17	52.81	51.69	50.48	49.34
15	51.68	52.15	52.10	53.25	53.99	54.68	55.28	54.10	52.78	51.65	50.48	49.30
16	51.66	52.12	52.23	53.24	54.03	54.71	55.28	54.07	52.71	51.60	50.47	49.29
17	51.58	52.16	52.20	53.23	54.14	54.91	55.24	53.93	52.67	51.53	50.46	49.29
18	51.53	52.18	52.17	53.16	54.12	54.95	55.26	53.87	52.64	51.47	50.41	49.21
19	51.54	52.17	52.22	53.08	54.12	54.87	55.20	53.85	52.59	51.42	50.38	49.14
20	51.57	52.19	52.25	53.07	54.08	54.87	55.14	53.81	52.55	51.36	50.35	49.12
21	51.58	52.20	52.23	53.15	54.11	54.98	55.11	53.73	52.51	51.30	50.28	49.17
22	51.57	52.23	52.21	53.26	54.22	54.88	55.10	53.67	52.47	51.25	50.20	49.16
23	51.55	52.24	52.24	53.32	54.38	54.86	55.20	53.61	52.42	51.24	50.12	49.16
24	51.63	52.21	52.29	53.33	54.38	55.00	55.27	53.53	52.39	51.17	50.03	49.13
25	51.69	52.10	52.32	53.34	54.38	54.95	55.16	53.44	52.34	51.09	50.03	49.16
26	51.67	52.12	52.37	53.37	54.27	54.91	55.09	53.45	52.24	51.07	50.10	49.20
27	51.68	52.14	52.40	53.47	54.25	55.04	55.05	53.41	52.17	51.01	50.08	49.22
28	51.71	52.17	52.45	53.55	54.38	55.09	55.03	53.35	52.12	50.96	50.04	49.18
29	51.76	52.22	52.50	53.54	---	55.05	54.99	53.33	52.08	50.91	49.99	49.16
30	51.80	52.16	52.51	53.61	---	55.07	54.96	53.29	52.01	50.87	49.93	49.16
31	51.86	---	52.53	53.64	---	55.19	---	53.23	---	50.84	49.89	---
MEAN	51.59	52.13	52.22	53.14	54.00	54.79	55.19	54.05	52.65	51.48	50.40	49.38
MAX	51.86	52.24	52.53	53.64	54.38	55.19	55.32	54.92	53.09	51.98	50.85	49.90
MIN	51.42	51.94	52.02	52.54	53.67	54.42	54.96	53.23	52.01	50.84	49.89	49.12

## HYDROGRAPH



## 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 east of St. Stephens on State Road 45 near intersection with State Road 310, and 1,000 ft from Santee River bank.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene-Eocene Limestones.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 86 ft casing to 56 ft open hole from 56 ft to 86 ft.

DATUM.--Measuring point: Top of casing, 33.73 ft National Geodetic Vertical Datum of 1929, 2.86 ft above land surface.

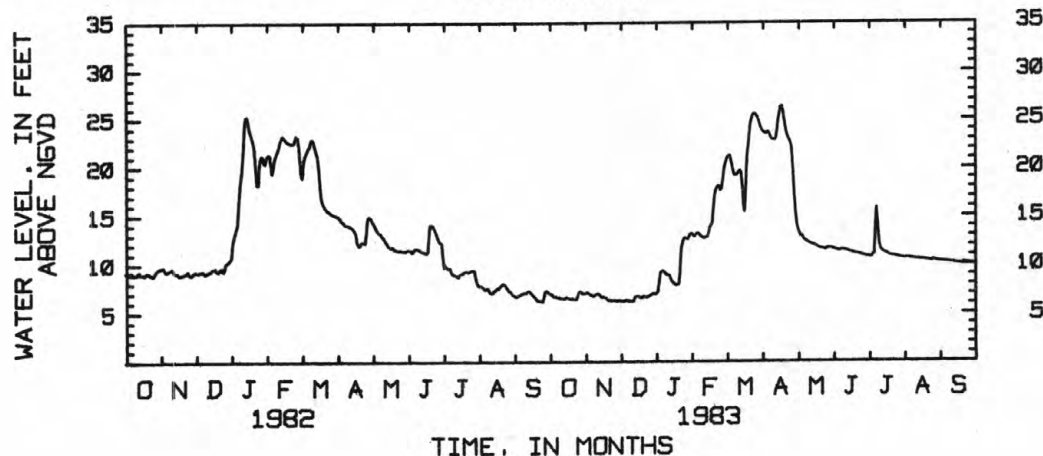
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 27.84 ft NGVD, Apr. 4, 1980; lowest, 6.13 ft NGVD, Dec. 10, 1982.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.00	7.18	6.20	7.20	12.90	20.61	23.72	13.88	11.51	10.76	10.59	10.21
2	6.88	7.07	6.23	7.89	12.93	20.94	23.57	13.38	11.45	10.73	10.58	10.23
3	6.71	6.95	6.17	9.01	13.07	21.13	23.47	13.09	11.41	10.70	10.63	10.21
4	6.65	6.87	6.25	9.29	13.19	21.18	23.44	12.91	11.36	10.70	10.61	10.20
5	6.72	6.86	6.32	9.35	13.20	20.80	23.56	12.90	11.33	10.94	10.58	10.19
6	6.59	6.72	6.29	9.28	13.03	20.24	23.61	12.69	11.37	11.03	10.57	10.18
7	6.59	6.80	6.14	9.17	12.90	19.67	23.42	12.49	11.37	13.62	10.56	10.15
8	6.53	6.90	6.15	9.02	12.79	19.12	23.14	12.38	11.45	15.80	10.54	10.14
9	6.52	6.99	6.22	8.89	12.71	19.13	22.87	12.28	11.46	14.28	10.49	10.13
10	6.52	7.03	6.13	8.89	12.66	19.16	22.79	12.19	11.42	12.69	10.47	10.12
11	6.49	6.97	6.22	8.85	12.75	19.29	22.75	12.13	11.38	11.78	10.45	10.10
12	6.47	6.86	6.49	8.54	12.82	19.52	22.78	12.08	11.34	11.43	10.46	10.07
13	6.48	6.68	6.72	8.25	12.89	19.60	23.03	12.03	11.31	11.27	10.45	10.04
14	6.64	6.60	6.76	8.10	13.24	19.26	23.99	11.96	11.26	11.18	10.42	10.04
15	6.58	6.69	6.72	7.99	13.77	18.01	24.92	11.92	11.23	11.12	10.42	10.00
16	6.46	6.59	6.66	7.85	14.06	15.98	25.59	11.89	11.18	11.06	10.42	9.99
17	6.46	6.54	6.52	7.86	14.29	15.37	26.21	11.81	11.14	11.00	10.41	9.98
18	6.50	6.41	6.57	7.89	15.92	18.16	26.25	11.74	11.11	10.93	10.40	9.99
19	6.40	6.28	6.69	7.95	17.07	21.04	25.66	11.67	11.08	10.87	10.39	9.97
20	6.47	6.32	6.75	8.99	17.63	21.97	24.83	11.63	11.04	10.82	10.37	9.98
21	6.41	6.27	6.69	11.27	17.87	23.33	24.06	11.58	11.02	10.80	10.34	10.11
22	6.37	6.27	6.60	11.98	18.02	24.51	23.47	11.57	10.99	10.79	10.30	10.11
23	6.48	6.22	6.68	12.48	17.96	24.94	23.07	11.54	10.97	10.78	10.28	10.06
24	6.74	6.27	6.75	12.72	17.57	25.29	22.78	11.51	10.94	10.75	10.26	10.04
25	7.16	6.29	6.82	12.72	17.77	25.48	22.52	11.42	10.90	10.73	10.29	10.06
26	7.27	6.24	6.90	12.65	18.49	25.45	22.04	11.53	10.86	10.70	10.41	10.03
27	7.17	6.18	6.98	12.60	19.61	25.31	20.25	11.64	10.83	10.67	10.34	9.99
28	7.02	6.25	7.03	12.83	20.18	25.08	17.88	11.64	10.80	10.64	10.28	9.98
29	7.01	6.25	6.99	13.10	---	24.76	16.00	11.64	10.77	10.62	10.26	9.96
30	7.05	6.25	6.94	13.18	---	24.36	14.71	11.62	10.76	10.60	10.23	9.95
31	7.09	---	7.04	13.06	---	24.02	---	11.57	---	10.59	10.22	---
MEAN	6.69	6.59	6.57	9.96	15.05	21.38	22.88	12.07	11.17	11.30	10.42	10.07
MAX	7.27	7.18	7.04	13.18	20.18	25.48	26.25	13.88	11.51	15.80	10.63	10.23
MIN	6.37	6.18	6.13	7.20	12.66	15.37	14.71	11.42	10.76	10.59	10.22	9.95

## HYDROGRAPH



## GROUND WATER LEVELS

## BERKELEY COUNTY

330218080080700. Local number, BRK-91.

LOCATION.--Lat 33°02'18", long 80°08'07", Hydrologic Unit 03050201, 0.6 mi northeast of U.S. I-26 on U.S. Hwy. 17A and 0.1 mi south of front entrance of Berkeley-Sangaree Public Service District.

Owner: Berkeley-Sangaree Public Service District.

AQUIFER.--Black Mingo.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 454 ft, cased to 75 ft.

DATUM.--Land-surface datum is 69 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

REMARKS.--Electric logged in 1978 to 434 ft, well filled in. Caliper and gamma logs on file. Record estimated June 2-8, Aug. 12-24, 1982.

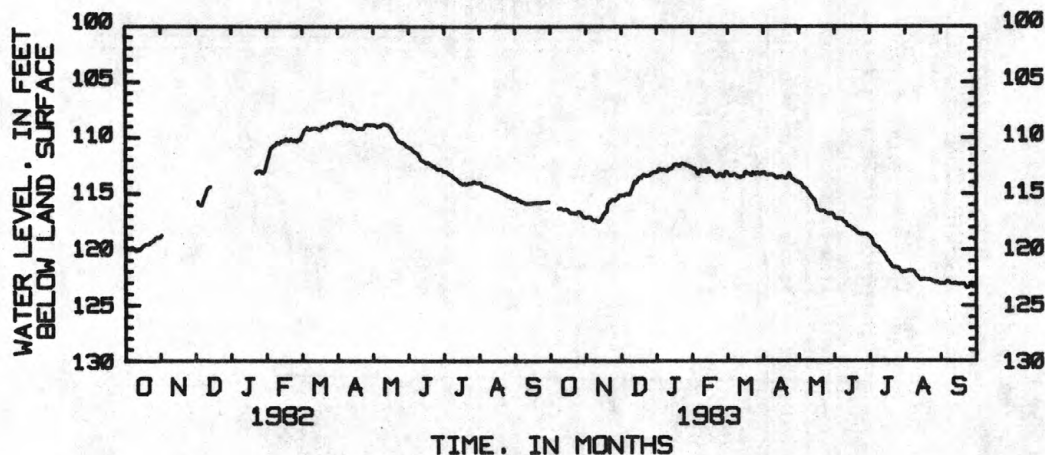
PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 85.47 ft below land-surface datum, June 16, 1978; lowest, 123.77 ft below land-surface datum, July 25, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	117.29	115.36	113.25	113.09	113.29	113.46	114.24	117.14	118.94	122.10	123.17
2	---	117.27	115.36	113.05	113.02	113.42	113.37	114.30	117.36	119.02	122.09	123.11
3	---	117.27	115.37	113.04	113.19	113.56	113.41	114.28	117.43	119.16	122.04	123.16
4	---	117.29	115.28	113.17	113.44	113.65	113.58	114.34	117.42	119.28	121.99	123.15
5	---	117.47	115.23	113.10	113.54	113.69	113.59	114.49	117.45	119.59	122.00	123.06
6	---	117.54	115.24	113.11	113.25	113.65	113.59	114.68	117.44	119.78	122.02	122.96
7	116.51	117.57	115.31	113.15	113.16	113.56	113.59	114.80	117.46	119.87	122.01	122.92
8	116.51	117.56	115.22	113.20	113.28	113.51	113.57	114.79	117.48	119.94	122.02	122.98
9	116.48	117.58	114.96	113.22	113.30	113.59	113.56	114.92	117.60	119.94	122.10	123.11
10	116.52	117.67	114.76	113.14	113.19	113.68	113.59	115.10	117.70	120.01	122.28	123.16
11	116.56	117.74	114.45	113.06	113.17	113.77	113.65	115.25	117.76	120.20	122.44	123.15
12	116.62	117.61	114.17	113.03	113.39	113.81	113.77	115.37	117.88	120.31	122.55	123.12
13	116.59	117.50	114.29	113.00	113.35	113.82	113.85	115.52	118.07	120.42	122.69	123.13
14	116.57	117.32	114.19	112.90	113.03	113.78	113.87	115.64	118.13	120.56	122.80	123.09
15	116.59	117.07	113.99	112.68	113.29	113.75	113.78	115.77	118.14	120.69	122.80	123.20
16	116.69	116.97	113.80	112.69	113.32	113.69	113.76	115.84	118.24	120.89	122.78	123.21
17	116.87	116.81	113.81	112.62	113.28	113.43	113.82	116.18	118.32	121.08	122.74	123.20
18	116.92	116.76	113.81	112.71	113.49	113.31	113.75	116.51	118.38	121.17	122.74	123.18
19	116.91	116.11	113.63	112.81	113.58	113.48	113.81	116.67	118.49	121.30	122.76	123.18
20	116.92	116.02	113.53	112.78	113.78	113.52	113.89	116.73	118.56	121.48	122.81	123.20
21	116.93	115.90	113.58	112.61	113.77	113.46	113.89	116.81	118.67	121.63	122.80	123.17
22	116.97	115.81	113.69	112.56	113.64	113.64	113.86	116.77	118.73	121.71	122.76	123.32
23	116.97	115.74	113.66	112.57	113.48	113.64	113.63	116.72	118.79	121.73	122.79	123.49
24	116.84	115.72	113.60	112.67	113.54	113.37	113.47	116.78	118.82	121.73	122.87	123.51
25	116.79	115.84	113.60	112.72	113.57	113.45	113.69	116.91	118.82	121.75	122.95	123.45
26	116.90	115.74	113.49	112.80	113.74	113.57	113.89	116.97	118.85	121.74	122.99	123.36
27	116.98	115.62	113.41	112.76	113.72	113.41	113.98	117.01	118.84	121.81	123.05	123.35
28	117.15	115.51	113.35	112.81	113.45	113.38	114.06	117.03	118.78	121.99	123.02	123.34
29	117.29	115.34	113.31	112.92	---	113.54	114.17	117.01	118.81	122.13	122.98	123.39
30	117.35	115.40	113.33	112.90	---	113.58	114.20	116.95	118.90	122.17	123.08	123.42
31	117.36	---	113.31	113.00	---	113.40	---	116.98	---	122.09	123.18	---
MEAN		116.70	114.20	112.90	113.39	113.56	113.74	115.85	118.15	120.78	122.59	123.21
MAX		117.74	115.37	113.25	113.78	113.82	114.20	117.03	118.90	122.17	123.18	123.51
MIN		115.34	113.31	112.56	113.02	113.29	113.37	114.24	117.14	118.94	121.99	122.92

## HYDROGRAPH



## CALHOUN COUNTY

333323080430400. Local number, CAL-2.

LOCATION.--Lat 33°33'23", long 80°43'04", Hydrologic Unit 03050206, behind the water tower in the red brick building on North Main Street between First and Cemetery Streets in Cameron.

Owner: Town of Cameron.

AQUIFER.--Black Mingo Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in, depth 285 ft, casing and screen unknown.

DATUM.--Land-surface datum is 168 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.03 ft above land-surface datum.

REMARKS.--Caliper logged May 15, 1981 to 267 ft. Gamma logged to 265 ft.

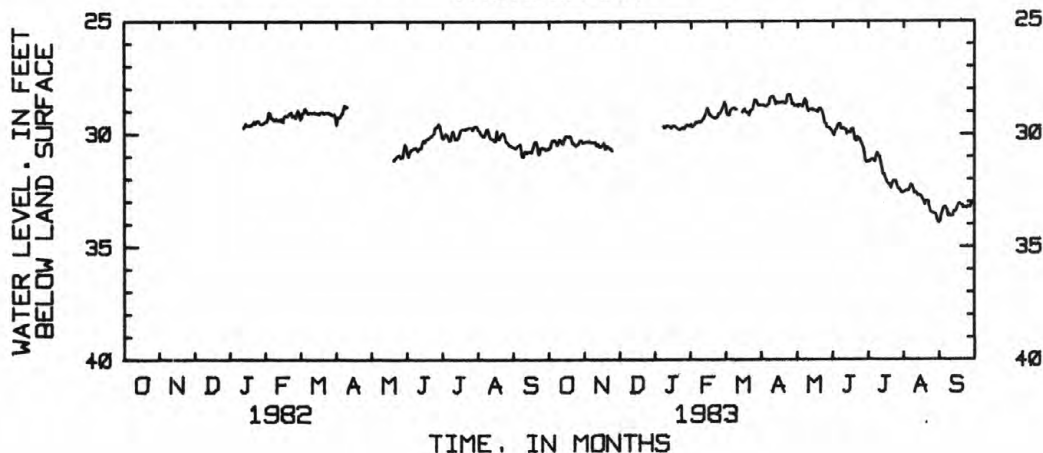
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 28.28 ft below land-surface datum, Apr. 25, 1983; lowest, 33.97 ft below land-surface datum, Sept. 1, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.67	30.38		---	29.71	28.63	28.75	28.77	29.92	31.31	32.64	33.97
2	30.60	30.36		---	29.65	28.76	28.75	28.76	30.01	31.24	32.59	33.89
3	30.41	30.40		---	29.60	29.12	28.75	28.84	30.12	31.27	32.56	33.65
4	30.30	30.35		---	29.50	29.21	28.79	28.73	29.89	31.23	32.53	33.44
5	30.29	30.40		---	29.55	29.21	28.82	28.76	29.82	31.15	32.54	33.29
6	30.30	30.42		---	29.48	29.00	28.79	28.81	29.65	31.16	32.51	33.25
7	30.39	30.38		29.70	29.45	28.93	28.73	28.84	29.57	31.22	32.41	33.31
8	30.53	30.41		29.76	29.51	28.87	28.70	28.61	29.59	31.26	32.26	33.38
9	30.42	30.39		29.72	29.45	28.89	28.45	28.49	29.79	31.01	32.32	33.67
10	30.26	30.48		29.65	29.39	28.91	28.38	28.58	29.82	30.87	32.46	33.58
11	30.33	30.57		29.65	29.31	28.95	28.37	28.86	29.77	30.97	32.66	33.68
12	30.45	30.48		29.69	29.21	---	28.41	29.04	29.82	31.04	32.62	33.66
13	30.46	30.60		29.72	29.09	---	28.55	28.95	29.84	31.27	32.68	33.64
14	30.24	30.62		29.76	28.87	---	28.73	28.94	30.04	31.52	32.75	33.44
15	30.13	30.56		29.68	28.98	---	28.62	28.97	29.94	31.84	32.73	33.46
16	30.10	30.53		29.65	29.20	29.07	28.65	28.95	29.97	31.81	32.78	33.40
17	30.12	30.42		29.66	29.22	29.00	28.67	29.00	29.97	31.99	32.82	33.26
18	30.17	30.70		29.71	29.29	28.93	28.64	29.02	29.81	32.10	32.93	33.13
19	30.12	30.67		29.76	29.30	29.05	28.64	29.04	29.78	32.22	32.98	33.10
20	30.24	30.57		29.81	29.34	29.09	28.61	29.08	30.00	32.26	33.16	33.15
21	30.46	30.62		29.83	29.34	29.07	28.67	28.91	30.31	32.34	32.99	33.19
22	30.43	30.67		29.81	29.29	29.22	28.71	28.91	30.35	32.44	32.98	33.31
23	30.53	30.71		29.75	29.25	29.05	28.60	28.98	30.15	32.19	33.02	33.26
24	30.57	30.77		29.73	29.11	28.96	28.32	29.08	30.27	32.09	33.31	33.27
25	30.49	---		29.80	29.12	28.93	28.28	29.27	30.24	32.11	33.50	33.28
26	30.46	---		29.74	29.01	28.72	28.30	29.55	30.38	32.10	33.52	33.22
27	30.33	---		29.62	28.90	28.52	28.47	29.61	30.53	32.27	33.55	33.24
28	30.29	---		29.60	28.78	28.54	28.73	29.75	30.66	32.44	33.57	33.27
29	30.37	---		29.68	---	28.67	28.69	29.77	30.86	32.47	33.58	33.12
30	30.44	---		29.65	---	28.78	28.81	29.75	31.22	32.56	33.70	33.09
31	30.39	---		29.57	---	28.76	---	29.84	---	32.63	33.90	---
MEAN	30.36				29.28		28.61	29.05	30.07	31.75	32.92	33.39
MAX	30.67				29.71		28.82	29.84	31.22	32.63	33.90	33.97
MIN	30.10				28.78		28.28	28.49	29.57	30.87	32.26	33.09

## HYDROGRAPH





## GROUND WATER LEVELS

## CHARLESTON COUNTY

324741080041400. Local number, CHN-44.

LOCATION.--Lat 32°47'41", long 80°04'14", Hydrologic Unit 03050202, USDA Experimental Station, 300 ft northeast of U.S. Hwy. 17 at elevated water tank.

Owner: U.S. Department of Agriculture.

AQUIFER.--Santee Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in, depth 434 ft. Open hole-casing length unknown.

DATUM.--Land-surface datum is 9.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft above land-surface datum.

REMARKS.--Pump test data on file in District office. Electric and caliper logged Nov. 27, 1979, depth 428 ft.

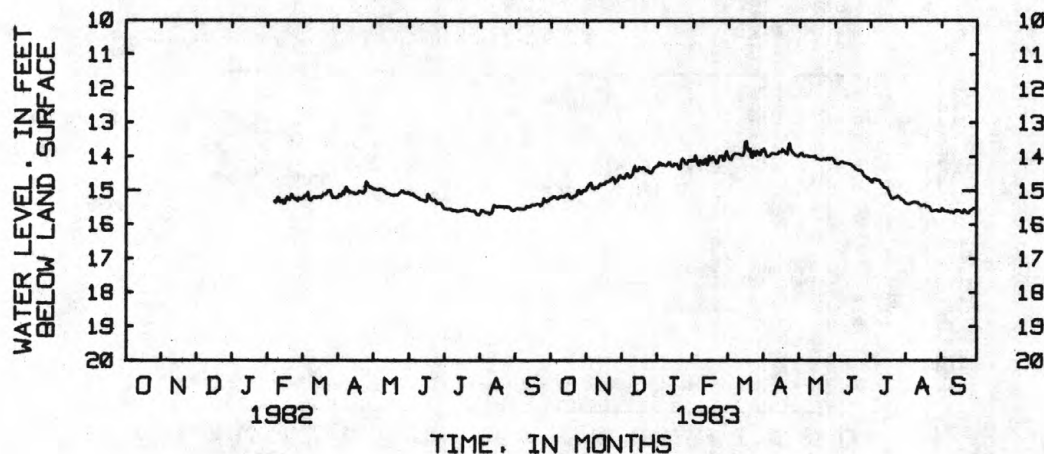
PERIOD OF RECORD.--October 1980 to April 1981, February 1982 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 13.54 ft below land-surface datum, Mar. 18, 1983; lowest, 15.99 ft below land-surface datum, Oct. 15, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.23	14.91	14.61	14.26	14.11	13.82	13.84	13.99	14.11	14.65	15.36	15.61
2	15.19	14.85	14.63	14.16	13.95	13.96	13.76	13.97	14.19	14.69	15.39	15.52
3	15.17	14.80	14.61	14.17	14.07	14.05	13.84	13.92	14.21	14.74	15.40	15.56
4	15.17	14.76	14.55	14.26	14.22	14.08	13.98	13.89	14.19	14.76	15.41	15.62
5	15.20	14.89	14.49	14.22	14.26	14.09	14.00	13.93	14.22	14.66	15.39	15.62
6	15.23	14.94	14.52	14.25	14.10	13.98	13.98	13.99	14.19	14.64	15.37	15.61
7	15.22	14.94	14.61	14.26	14.13	13.92	13.97	14.00	14.16	14.69	15.35	15.62
8	15.18	14.91	14.60	14.27	14.22	13.89	13.92	13.96	14.15	14.70	15.33	15.64
9	15.16	14.91	14.55	14.22	14.20	13.90	13.89	13.97	14.16	14.70	15.32	15.64
10	15.17	14.91	14.50	14.16	14.08	13.91	13.90	14.00	14.19	14.71	15.35	15.63
11	15.17	14.87	14.36	14.16	14.06	13.91	13.92	14.01	14.20	14.76	15.36	15.65
12	15.18	14.81	14.26	14.25	14.25	13.93	13.92	14.00	14.19	14.81	15.36	15.68
13	15.14	14.84	14.42	14.28	14.18	13.95	13.93	14.00	14.21	14.86	15.41	15.62
14	15.12	14.81	14.43	14.26	13.96	13.94	13.91	14.00	14.23	14.90	15.43	15.59
15	15.10	14.81	14.37	14.19	14.10	13.94	13.84	14.01	14.22	14.93	15.45	15.61
16	15.11	14.81	14.30	14.22	14.08	13.86	13.85	13.97	14.25	14.93	15.45	15.58
17	15.19	14.74	14.34	14.21	13.99	13.56	13.86	14.05	14.29	14.97	15.43	15.60
18	15.22	14.72	14.36	14.28	14.07	13.54	13.78	14.07	14.31	15.03	15.43	15.64
19	15.20	14.73	14.30	14.36	14.10	13.76	13.82	14.07	14.34	15.11	15.46	15.67
20	15.17	14.71	14.33	14.33	14.19	13.82	13.86	14.09	14.38	15.19	15.47	15.65
21	15.15	14.68	14.38	14.12	14.18	13.77	13.91	14.10	14.40	15.25	15.48	15.56
22	15.15	14.64	14.42	14.04	14.08	14.00	13.93	14.07	14.41	15.25	15.50	15.61
23	15.11	14.61	14.42	14.09	13.97	14.03	13.73	14.06	14.41	15.20	15.55	15.66
24	14.99	14.66	14.44	14.18	13.97	13.83	13.60	14.07	14.42	15.20	15.61	15.68
25	15.00	14.77	14.49	14.21	13.98	13.92	13.78	14.09	14.44	15.19	15.62	15.66
26	15.08	14.72	14.46	14.21	14.10	13.97	13.85	14.05	14.51	15.15	15.59	15.60
27	15.07	14.70	14.43	14.11	14.10	13.82	13.89	14.05	14.57	15.19	15.58	15.57
28	15.02	14.60	14.36	14.10	13.90	13.86	13.93	14.09	14.60	15.23	15.57	15.54
29	14.98	14.55	14.31	14.14	---	13.95	13.97	14.05	14.62	15.27	15.58	15.52
30	14.98	14.62	14.28	14.08	---	13.94	13.98	14.04	14.65	15.28	15.62	15.51
31	14.97	---	14.26	14.13	---	13.80	---	14.06	---	15.31	15.63	---
MEAN	15.13	14.77	14.43	14.20	14.09	13.89	13.88	14.02	14.31	14.97	15.46	15.61
MAX	15.23	14.94	14.63	14.36	14.26	14.09	14.00	14.10	14.65	15.31	15.63	15.68
MIN	14.97	14.55	14.26	14.04	13.90	13.54	13.60	13.89	14.11	14.64	15.32	15.51

## HYDROGRAPH



## CHARLESTON COUNTY

330247079340300. Local number, CHN-101.

LOCATION.--Lat 33°02'47", long 79°34'03", Hydrologic Unit 03050202, Buckhall Campground, 300 ft southeast of South Carolina 913 and U.S. Hwy. 17 junction, 200 ft south of U.S. 17.

Owner: U.S. Forest Service.

AQUIFER.--Santee Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 91 ft, cased to 82 ft. Open hole 82 ft to 91 ft.

DATUM.--Land-surface datum is 22 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft above land-surface datum.

REMARKS.--Water-quality analysis data on file in District office. Gamma logged Feb. 15, 1980 to 91 ft. Gamma logged Dec. 18, 1979 to 90 ft.

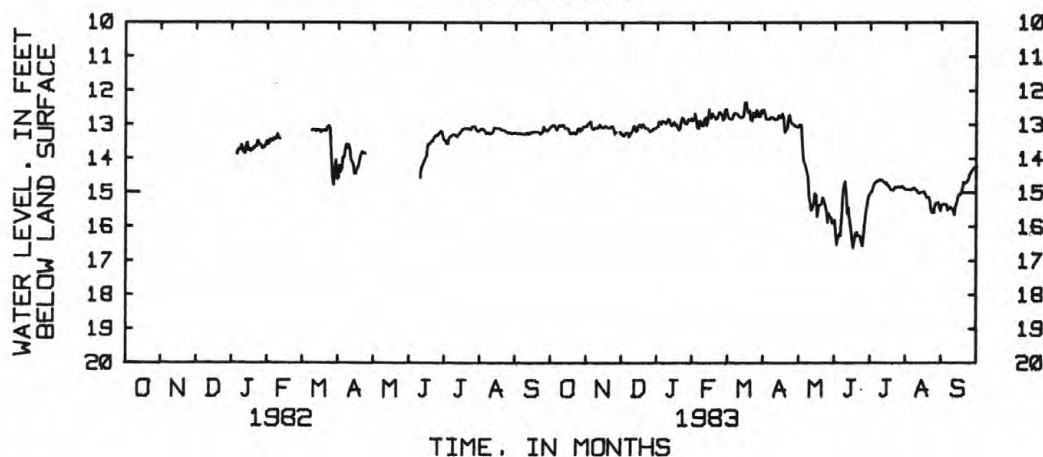
PERIOD OF RECORD.--January 1982 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 12.34 ft below land-surface datum, Mar. 18, 1983; lowest, 16.63 ft below land-surface datum, June 18, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.08	13.01	13.28	13.05	12.85	12.53	12.65	13.08	15.87	15.14	14.89	15.54
2	13.02	12.96	13.33	12.91	12.67	12.72	12.56	13.06	15.80	15.05	14.91	15.35
3	13.01	12.93	13.31	12.92	12.88	12.81	12.66	13.00	16.25	15.00	14.90	15.34
4	13.02	12.90	13.27	12.99	13.10	12.84	12.85	13.04	16.54	14.95	14.89	15.33
5	13.09	13.09	13.23	12.88	13.12	12.86	12.85	13.60	16.35	14.85	14.91	15.35
6	13.16	13.13	13.25	12.92	12.88	12.81	12.83	14.07	16.20	14.73	14.93	15.35
7	13.07	13.12	13.35	12.92	12.93	12.71	12.84	14.16	16.26	14.69	14.90	15.51
8	13.01	13.08	13.30	12.97	13.03	12.65	12.78	14.26	15.72	14.65	14.87	15.48
9	13.03	13.08	13.23	12.91	13.01	12.66	12.78	14.42	15.12	14.65	14.86	15.43
10	13.03	13.11	13.18	12.82	12.84	12.69	12.80	14.53	14.80	14.62	14.91	15.45
11	13.00	13.06	13.05	12.86	12.79	12.70	12.85	15.15	14.65	14.64	14.93	15.49
12	13.02	13.00	13.03	12.99	13.02	12.76	12.86	15.31	15.01	14.62	14.96	15.54
13	13.10	13.08	13.19	13.03	12.87	12.79	12.86	15.53	15.62	14.65	15.02	15.66
14	13.11	13.07	13.17	12.98	12.54	12.76	12.81	15.45	15.44	14.68	15.01	15.39
15	13.09	13.07	13.04	12.92	12.81	12.77	12.73	15.35	15.79	14.71	15.00	15.28
16	13.13	13.07	12.99	13.01	12.79	12.69	12.79	15.01	16.10	14.70	14.98	15.13
17	13.24	13.04	13.06	12.99	12.66	12.35	12.78	15.07	16.34	14.78	14.97	15.06
18	13.27	13.07	13.08	13.08	12.75	12.34	12.68	15.71	16.63	14.79	15.00	15.04
19	13.24	13.09	12.98	13.16	12.77	12.62	12.80	15.41	16.39	14.84	15.05	15.00
20	13.22	13.09	13.04	13.12	12.85	12.63	13.24	15.36	16.20	14.91	15.15	14.86
21	13.24	13.09	13.10	12.90	12.80	12.58	13.14	15.34	16.16	14.92	15.13	14.68
22	13.28	13.05	13.11	12.79	12.70	12.88	13.10	15.31	16.26	14.94	15.14	14.72
23	13.23	13.04	13.11	12.84	12.62	12.89	12.82	15.14	16.26	14.88	15.27	14.69
24	13.12	13.14	13.15	12.95	12.67	12.64	12.70	15.25	16.31	14.83	15.53	14.66
25	13.10	13.27	13.20	12.98	12.70	12.77	12.91	15.37	16.43	14.84	15.60	14.60
26	13.19	13.22	13.17	12.97	12.87	12.77	12.97	15.53	16.57	14.82	15.58	14.47
27	13.15	---	13.17	12.84	12.81	12.57	13.00	15.88	16.16	14.82	15.41	14.42
28	13.09	---	13.11	12.85	12.55	12.65	13.02	15.61	15.83	14.83	15.32	14.35
29	13.04	13.22	13.10	12.88	---	12.77	13.05	15.71	15.55	14.84	15.29	14.30
30	13.06	13.28	13.10	12.81	---	12.75	13.07	15.74	15.38	14.81	15.29	14.27
31	13.06	---	13.06	12.88	---	12.57	---	15.90	---	14.85	15.42	---
MEAN	13.11		13.15	12.94	12.82	12.69	12.86	14.88	15.93	14.81	15.10	15.06
MAX	13.28		13.35	13.16	13.12	12.89	13.24	15.90	16.63	15.14	15.60	15.66
MIN	13.00		12.98	12.79	12.54	12.34	12.56	13.00	14.65	14.62	14.86	14.27

## HYDROGRAPH



## GROUND WATER LEVELS

## CHARLESTON COUNTY

323043080185800. Local number, CHN-497.

LOCATION.--Lat 32°30'43", long 80°18'58", Hydrologic Unit 03050205, Edisto Beach State Park, 132 ft west of highway 174.

Owner: Town of Edisto Beach.

AQUIFER.--Ocala Limestone.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in, depth 50 ft, screened interval 20-50 ft.

DATUM.--Land-surface datum is 8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.28 ft above land-surface datum.

REMARKS.--Water levels are affected by pumping from Edisto Island Water Department.

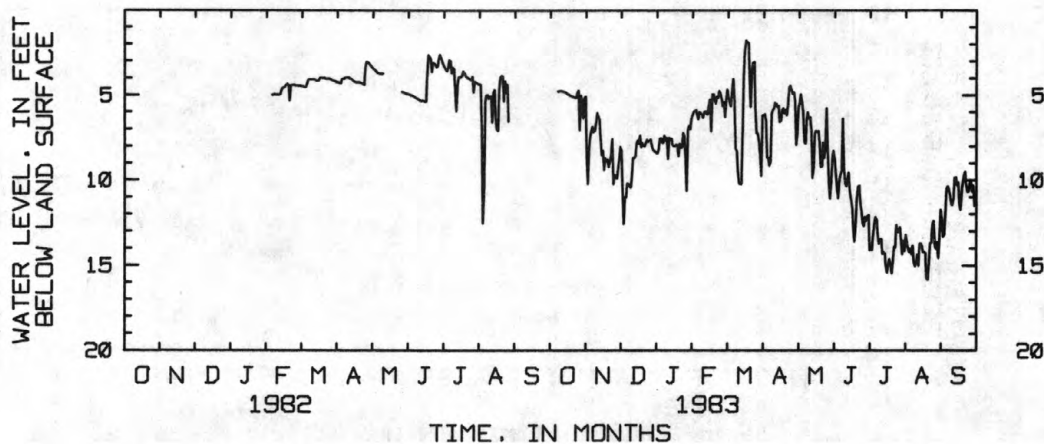
PERIOD OF RECORD.--May 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 1.75 ft below land-surface datum, Mar. 18, 1983; lowest, 15.85 ft below land-surface datum, Aug. 21, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	8.63	8.22	8.42	5.99	5.25	6.16	7.27	8.25	12.03	14.16	11.72
2	---	10.21	10.48	8.18	5.91	4.65	6.16	5.68	8.73	14.11	13.22	12.22
3	---	8.07	12.58	7.52	5.86	5.14	6.10	5.47	9.65	13.97	13.61	13.35
4	---	7.38	10.98	7.51	6.15	5.41	6.46	4.94	10.33	14.10	13.37	13.21
5	---	7.10	10.96	7.78	6.42	5.67	8.68	5.42	11.08	13.22	14.22	11.84
6	---	6.83	10.16	7.76	5.99	4.77	8.71	5.92	10.04	12.54	14.01	10.46
7	4.78	7.16	10.19	7.37	6.02	4.03	9.16	7.71	9.66	12.14	14.36	10.33
8	4.75	7.08	10.35	7.65	6.14	5.32	8.96	7.83	9.46	12.33	13.84	10.53
9	4.75	6.65	10.42	7.49	6.32	8.14	6.09	6.40	6.35	13.26	14.87	10.86
10	4.74	6.02	9.80	8.75	6.03	8.30	5.86	6.00	9.37	13.74	15.05	11.40
11	4.77	6.24	8.66	7.49	5.93	9.48	5.79	6.37	10.18	13.46	14.87	11.47
12	4.79	6.43	8.66	7.53	6.10	10.22	5.42	6.28	10.35	13.45	14.36	11.12
13	4.82	7.64	8.56	7.55	6.13	10.19	5.49	7.03	9.90	14.34	15.02	9.83
14	4.86	8.54	7.85	7.92	5.58	10.24	5.72	9.87	9.53	14.22	13.69	9.81
15	4.91	8.25	7.63	8.00	5.24	7.11	5.61	9.24	10.59	14.30	13.70	10.29
16	4.96	9.40	7.83	8.01	7.13	3.71	6.59	7.25	11.10	15.06	13.85	10.12
17	5.00	8.70	7.37	7.88	4.93	2.31	6.50	7.07	11.58	15.44	14.22	11.41
18	5.05	8.91	8.06	7.93	4.93	1.75	5.88	7.13	12.86	14.95	14.22	11.77
19	5.08	8.77	7.80	8.59	5.27	1.86	5.76	7.10	13.63	14.62	14.29	10.72
20	5.10	9.22	7.99	7.84	5.49	1.94	6.08	7.73	12.50	14.90	15.76	10.19
21	5.13	8.95	7.99	8.07	5.07	3.98	5.86	9.22	11.06	15.48	15.85	9.69
22	5.15	8.52	7.79	8.02	5.14	5.70	6.18	9.20	10.35	14.76	14.92	9.50
23	5.15	7.56	7.59	7.19	4.74	3.44	5.60	7.77	10.30	13.89	13.68	10.32
24	4.89	10.25	7.72	7.39	4.89	3.07	4.53	8.70	11.23	13.91	13.63	10.69
25	4.71	9.67	7.62	8.74	5.20	3.03	4.42	8.22	11.80	12.61	12.65	10.66
26	7.07	9.82	7.57	10.61	5.66	5.83	4.67	5.76	12.55	13.05	12.37	10.10
27	5.01	9.88	7.90	7.05	5.38	7.24	4.90	8.29	12.71	13.03	13.77	10.13
28	5.34	9.32	8.17	6.79	6.29	7.27	4.83	10.18	12.15	12.76	14.02	10.70
29	6.37	8.75	8.28	7.00	---	7.70	5.28	11.10	12.39	13.50	13.61	10.30
30	5.14	8.01	8.34	6.43	---	8.51	7.94	10.16	12.14	14.35	14.58	11.53
31	5.08	---	8.43	6.16	---	9.77	---	8.68	---	13.54	13.43	---
MEAN		8.27	8.77	7.76	5.71	5.84	6.18	7.58	10.73	13.78	14.12	10.88
MAX		10.25	12.58	10.61	7.13	10.24	9.16	11.10	13.63	15.48	15.85	13.35
MIN		6.02	7.37	6.16	4.74	1.75	4.42	4.94	6.35	12.03	12.37	9.50

## HYDROGRAPH



## CLARENDON COUNTY

334153080121600. Local number, CLA-3.

LOCATION.--Lat 33°41'53", long 80°12'16", Hydrologic Unit 03040205, 192 ft north of Dinkins Street, at the water department and near the reservoir in Manning.

Owner: Town of Manning.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in, depth 600 ft, casing and screen unknown.

DATUM.--Land-surface datum is 100 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5 ft above land-surface datum.

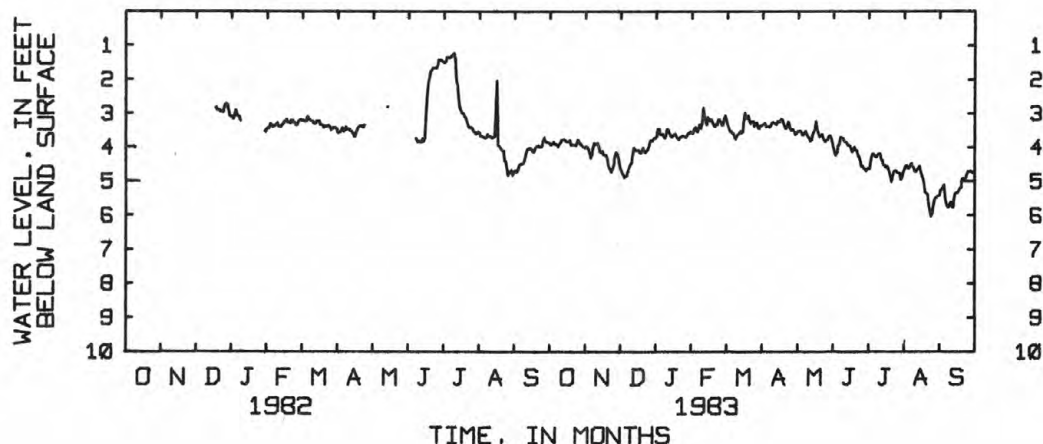
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 1.21 ft below land-surface datum, July 11, 1982; lowest, 6.04 ft below land-surface datum, Aug. 25, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.87	3.97	4.65	3.67	3.59	3.05	3.37	3.60	3.86	4.63	4.74	5.40
2	3.92	4.00	4.75	3.46	3.45	3.18	3.33	3.52	4.02	4.62	4.65	5.26
3	3.86	4.06	4.81	3.44	3.39	3.33	3.30	3.53	4.17	4.64	4.54	5.22
4	3.83	4.18	4.89	3.62	3.49	3.42	3.28	3.51	4.25	4.41	4.53	5.16
5	3.90	4.32	4.87	3.63	3.54	3.54	3.39	3.54	4.16	4.24	4.62	5.10
6	3.89	4.22	4.82	3.60	3.38	3.52	3.39	3.63	3.94	4.18	4.61	5.47
7	3.93	4.00	4.71	3.67	3.31	3.59	3.37	3.64	3.89	4.23	4.52	5.65
8	3.97	3.86	4.60	3.73	3.44	3.60	3.41	3.58	3.69	4.27	4.47	5.75
9	3.89	3.88	4.50	3.63	3.25	3.70	3.36	3.52	3.73	4.29	4.56	5.77
10	3.84	3.89	4.45	3.45	2.82	3.76	3.27	3.62	3.74	4.22	4.61	5.68
11	3.76	3.86	4.25	3.48	3.05	3.64	3.25	3.69	3.80	4.18	4.71	5.62
12	3.76	4.00	4.00	3.58	3.25	3.62	3.30	3.73	3.84	4.17	4.71	5.75
13	3.76	4.13	4.06	3.66	3.34	3.58	3.31	3.82	3.86	4.35	4.66	5.78
14	3.78	4.15	4.09	3.69	3.10	3.51	3.33	3.79	3.91	4.39	4.62	5.52
15	3.83	4.11	4.07	3.64	3.16	3.58	3.23	3.63	3.94	4.53	4.55	5.36
16	3.83	4.22	4.07	3.61	3.23	3.54	3.24	3.55	3.96	4.54	4.70	5.32
17	3.82	4.23	4.14	3.59	3.17	3.21	3.24	3.46	4.05	4.60	4.82	5.33
18	3.79	4.23	4.17	3.69	3.26	2.96	3.15	3.24	4.14	4.56	4.92	5.26
19	3.93	4.30	4.12	3.75	3.35	3.14	3.18	3.48	4.09	4.62	5.08	5.19
20	3.93	4.50	4.00	3.77	3.39	3.14	3.29	3.59	4.00	4.72	5.33	5.18
21	3.93	4.61	4.12	3.70	3.31	3.06	3.40	3.70	4.07	4.85	5.36	4.92
22	3.93	4.66	4.14	3.68	3.33	3.24	3.45	3.66	4.11	5.02	5.40	4.90
23	3.95	4.74	4.09	3.65	3.17	3.31	3.38	3.62	4.23	4.84	5.68	4.91
24	3.86	4.62	4.06	3.67	3.18	3.23	3.24	3.72	4.31	4.71	5.85	4.89
25	3.76	4.48	3.97	3.69	3.24	3.23	3.32	3.81	4.40	4.68	6.04	4.79
26	3.85	4.24	3.81	3.70	3.35	3.38	3.48	3.84	4.57	4.69	5.95	4.70
27	3.89	4.13	3.78	3.64	3.33	3.28	3.51	3.78	4.56	4.75	5.70	4.72
28	3.93	4.20	3.80	3.57	3.16	3.26	3.47	3.77	4.63	4.76	5.53	4.69
29	3.98	4.32	3.75	3.58	---	3.42	3.54	3.67	4.64	4.78	5.46	4.73
30	3.99	4.54	3.72	3.52	---	3.45	3.63	3.64	4.71	4.95	5.44	4.76
31	4.02	---	3.72	3.54	---	3.36	---	3.72	---	4.90	5.42	---
MEAN	3.88	4.22	4.23	3.62	3.29	3.38	3.35	3.63	4.11	4.56	5.03	5.23
MAX	4.02	4.74	4.89	3.77	3.59	3.76	3.63	3.84	4.71	5.02	6.04	5.78
MIN	3.76	3.86	3.72	3.44	2.82	2.96	3.15	3.24	3.69	4.17	4.47	4.69

## HYDROGRAPH





## GROUND WATER LEVELS

## COLLETON COUNTY

330256080354500. Local number, COL-97.

LOCATION.--Lat 33°02'56", long 80°35'45", Hydrologic Unit 03050205, 1.6 mi 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, depth 500 ft, cased to 140 ft, open hole 140 ft to 500 ft.

DATUM.--Land-surface datum is 84 ft National Geodetic Vertical Datum of 1929. Measuring point: top of platform, 2.10 ft above land-surface datum.

REMARKS.--Depth, measured Jan. 17, 1979, 356 ft.

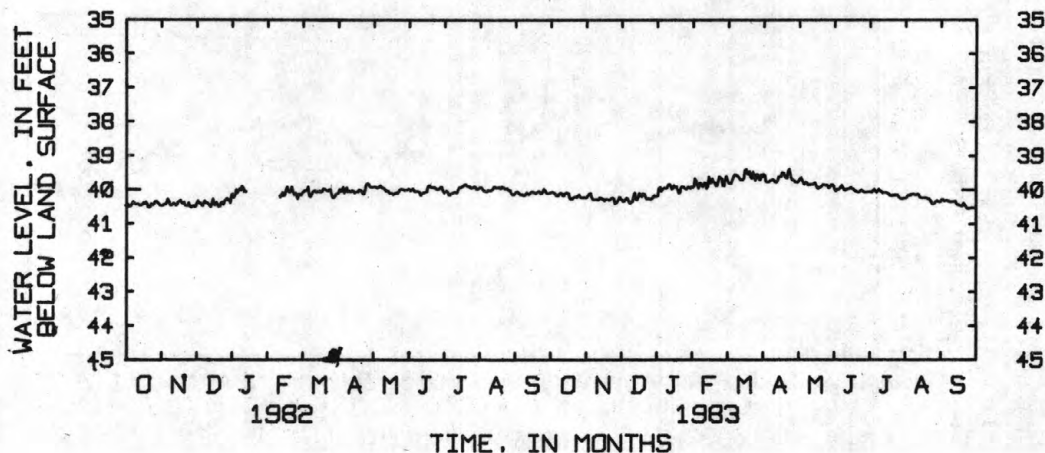
PERIOD OF RECORD.--August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.79 below land-surface datum, May 14, 1978; lowest 40.56 ft below land-surface datum, Sept. 25, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.07	40.19	40.30	40.16	39.88	39.59	39.62	39.78	39.88	40.06	40.25	40.35
2	40.05	40.15	40.34	39.94	39.66	39.71	39.53	39.75	40.00	40.06	40.24	40.28
3	40.08	40.11	40.32	39.92	39.74	39.80	39.57	39.67	40.03	40.06	40.21	40.28
4	40.09	40.09	40.28	40.03	39.87	39.81	39.74	39.63	39.98	40.07	40.16	40.32
5	40.13	40.22	40.24	39.98	39.95	39.81	39.77	39.71	39.99	40.02	40.15	40.32
6	40.17	40.28	40.26	39.95	39.79	39.72	39.76	39.79	39.97	39.98	40.15	40.31
7	40.16	40.29	40.35	39.93	39.80	39.63	39.75	39.83	39.92	40.03	40.12	40.32
8	40.12	40.28	40.40	39.94	39.89	39.55	39.71	39.77	39.87	40.07	40.12	40.33
9	40.08	40.28	40.35	39.93	39.89	39.55	39.70	39.79	39.92	40.02	40.11	40.36
10	40.09	40.30	40.33	39.84	39.79	39.58	39.69	39.86	39.98	39.98	40.14	40.36
11	40.16	40.29	40.19	39.82	39.80	39.59	39.72	39.86	40.01	40.03	40.14	40.34
12	40.16	40.22	40.07	39.87	39.96	39.63	39.77	39.84	39.98	40.05	40.12	40.35
13	40.10	40.24	40.28	39.97	39.89	39.69	39.78	39.83	39.98	40.08	40.14	40.35
14	40.07	40.28	40.29	39.95	39.61	39.69	39.73	39.83	39.97	40.08	40.21	40.33
15	40.08	40.28	40.20	39.86	39.80	39.70	39.62	39.82	39.94	40.07	40.23	40.42
16	40.11	40.32	40.09	39.91	39.78	39.65	39.60	39.79	39.93	40.07	40.24	40.44
17	40.23	40.28	40.14	39.89	39.67	39.45	39.60	39.87	39.97	40.10	40.24	40.45
18	40.27	40.27	40.19	39.99	39.77	39.39	39.49	39.94	39.98	40.11	40.24	40.46
19	40.26	40.29	40.10	40.09	39.79	39.52	39.50	39.96	40.01	40.14	40.24	40.48
20	40.22	40.31	40.11	40.07	39.88	39.54	39.57	39.92	40.04	40.17	40.25	40.47
21	40.20	40.29	40.18	39.93	39.87	39.45	39.63	39.91	40.06	40.18	40.27	40.39
22	40.19	40.25	40.26	39.89	39.75	39.62	39.65	39.88	40.07	40.15	40.27	40.44
23	40.22	40.23	40.26	39.90	39.60	39.66	39.49	39.84	40.06	40.16	40.31	40.50
24	40.17	40.27	40.25	39.94	39.64	39.47	39.38	39.84	40.03	40.14	40.36	40.55
25	40.14	40.41	40.27	39.97	39.68	39.60	39.56	39.87	40.00	40.15	40.42	40.56
26	40.20	40.38	40.26	39.97	39.87	39.72	39.67	39.86	40.04	40.15	40.41	40.54
27	40.23	40.34	40.25	39.90	39.88	39.54	39.71	39.88	40.06	40.20	40.38	40.53
28	40.23	40.27	40.19	39.92	39.69	39.55	39.74	39.94	40.07	40.24	40.33	40.52
29	40.21	40.20	40.16	39.95	---	39.68	39.77	39.91	40.06	40.26	40.32	40.53
30	40.23	40.28	40.19	39.89	---	39.70	39.78	39.85	40.06	40.26	40.34	40.53
31	40.23	---	40.18	39.92	---	39.56	---	39.85	---	40.25	40.35	---
MEAN	40.16	40.26	40.23	39.94	39.79	39.62	39.65	39.83	40.00	40.11	40.24	40.41
MAX	40.27	40.41	40.40	40.16	39.96	39.81	39.78	39.96	40.07	40.26	40.42	40.56
MIN	40.05	40.09	40.07	39.82	39.60	39.39	39.38	39.63	39.87	39.98	40.11	40.28

## HYDROGRAPH



## DILLON COUNTY

342042079100600. Local number, DIL-79.

LOCATION.--Lat 34°20'42", long 79°10'06", Hydrologic Unit 03040204, 131 ft east of Hampton Street and 33 ft off of Peachtree Street in Lakeview.

Owner: Town of Lakeview.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in, depth 302 ft, casing and screen unknown.

DATUM.--Land-surface datum is 90 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2 ft above land-surface datum.

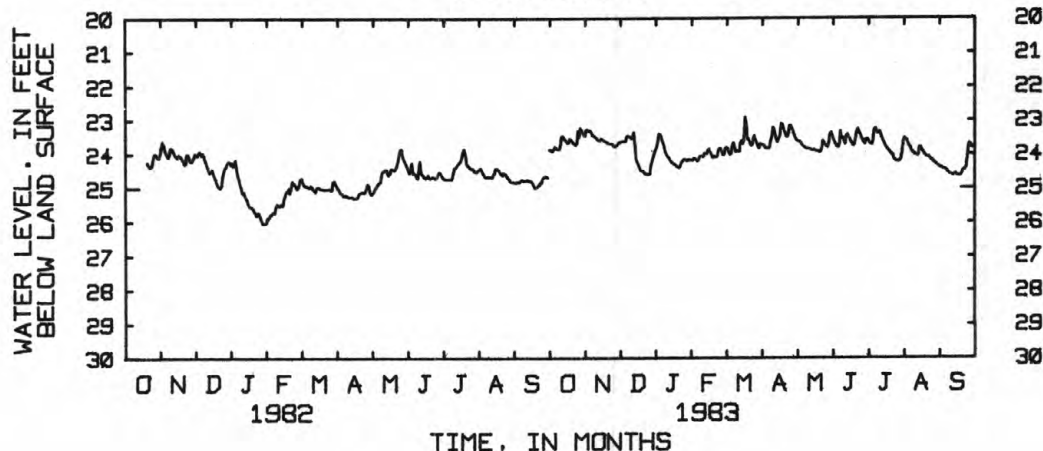
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 22.91 ft below land-surface datum, Mar. 18, 1983; lowest, 26.05 ft below land-surface datum, Jan. 28, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.86	23.28	23.62	23.77	24.18	23.81	23.70	23.59	23.47	23.55	23.62	24.39
2	23.88	23.26	23.61	23.61	24.12	23.79	23.73	23.62	23.58	23.60	23.52	24.40
3	23.91	23.31	23.61	23.38	24.13	23.82	23.74	23.63	23.66	23.67	23.56	24.42
4	23.85	23.29	23.61	23.41	24.17	23.94	23.80	23.63	23.72	23.70	23.59	24.44
5	23.77	23.32	23.60	23.50	24.20	24.01	23.83	23.67	23.78	23.72	23.68	24.45
6	23.81	23.39	23.46	23.60	24.15	23.98	23.83	23.73	23.81	23.61	23.76	24.46
7	23.84	23.44	23.44	23.72	24.06	23.74	23.84	23.77	23.73	23.28	23.81	24.48
8	23.85	23.47	23.48	23.86	24.05	23.65	23.79	23.80	23.32	23.25	23.89	24.52
9	23.83	23.49	23.49	23.98	24.05	23.81	23.60	23.83	23.54	23.32	23.94	24.56
10	23.69	23.53	23.52	24.05	24.07	23.93	23.48	23.84	23.51	23.39	23.99	24.59
11	23.46	23.57	23.50	24.10	23.96	23.89	23.21	23.84	23.61	23.33	24.02	24.61
12	23.45	23.59	23.35	24.14	23.98	23.90	23.28	23.85	23.70	23.36	24.02	24.62
13	23.52	23.58	23.68	24.21	23.99	23.92	23.45	23.87	23.47	23.46	24.05	24.63
14	23.57	23.54	24.15	24.25	23.87	23.67	23.59	23.88	23.41	23.55	24.02	24.59
15	23.62	23.55	24.24	24.27	23.83	23.59	23.64	23.89	23.48	23.63	23.79	24.57
16	23.66	23.59	24.31	24.31	23.90	23.69	23.53	23.87	23.56	23.71	23.80	24.62
17	23.63	23.61	24.40	24.32	24.01	23.60	23.44	23.89	23.64	23.79	23.88	24.63
18	23.54	23.63	24.48	24.36	24.10	22.91	23.10	23.91	23.71	23.84	23.93	24.64
19	23.56	23.65	24.50	24.39	24.06	23.10	23.12	23.92	23.76	23.88	23.99	24.63
20	23.62	23.68	24.50	24.41	24.08	23.56	23.25	23.92	23.70	23.92	24.04	24.59
21	23.67	23.70	24.54	24.37	24.07	23.56	23.35	23.94	23.53	23.96	24.08	24.51
22	23.69	23.69	24.58	24.26	24.05	23.64	23.45	23.93	23.32	24.01	24.09	24.45
23	23.73	23.69	24.59	24.20	23.88	23.75	23.50	23.82	23.26	24.03	24.08	24.46
24	23.67	23.71	24.60	24.15	23.82	23.74	23.43	23.60	23.34	24.14	24.13	24.40
25	23.31	23.77	24.60	24.14	23.82	23.55	23.15	23.67	23.42	24.18	24.17	24.14
26	23.50	23.77	24.57	24.17	23.93	23.45	23.15	23.73	23.51	24.21	24.20	23.79
27	23.22	23.74	24.33	24.19	24.01	23.57	23.23	23.77	23.59	24.22	24.23	23.67
28	23.28	23.72	24.20	24.15	24.00	23.67	23.32	23.79	23.65	24.21	24.27	23.72
29	23.35	23.65	24.07	24.18	---	23.78	23.43	23.66	23.70	24.19	24.30	23.80
30	23.42	23.64	23.97	24.16	---	23.83	23.52	23.40	23.56	24.14	24.33	23.79
31	23.46	---	23.86	24.17	---	23.69	---	23.37	---	23.96	24.36	---
MEAN	23.62	23.56	24.01	24.06	24.02	23.69	23.48	23.76	23.57	23.77	23.97	24.39
MAX	23.91	23.77	24.60	24.41	24.20	24.01	23.84	23.94	23.81	24.22	24.36	24.64
MIN	23.22	23.26	23.35	23.38	23.82	22.91	23.10	23.37	23.26	23.25	23.52	23.67

## HYDROGRAPH



## GROUND WATER LEVELS

## DORCHESTER COUNTY

331325080263400. Local number, DOR-103.

LOCATION.--Lat 33°13'25", long 80°26'34", Hydrologic Unit 03050206, 120 ft northeast of U.S. Hwy. 178 in Harleyville.

Owner: Ford Redimix Concrete Co.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in, depth 56 ft, cased to 43 ft, open hole 43 ft to 56 ft.

DATUM.--Land-surface datum is 82 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.43 ft above land-surface datum.

REMARKS.--Original depth was 212 ft, well caved in and bottom was plugged with cement. Well was sounded Mar. 27, 1980 to a depth of 56 ft. Water-quality analysis on file in District office. Pump test data on file in District office. Gamma and caliper logged Nov. 29, 1979 to a depth of 55 ft.

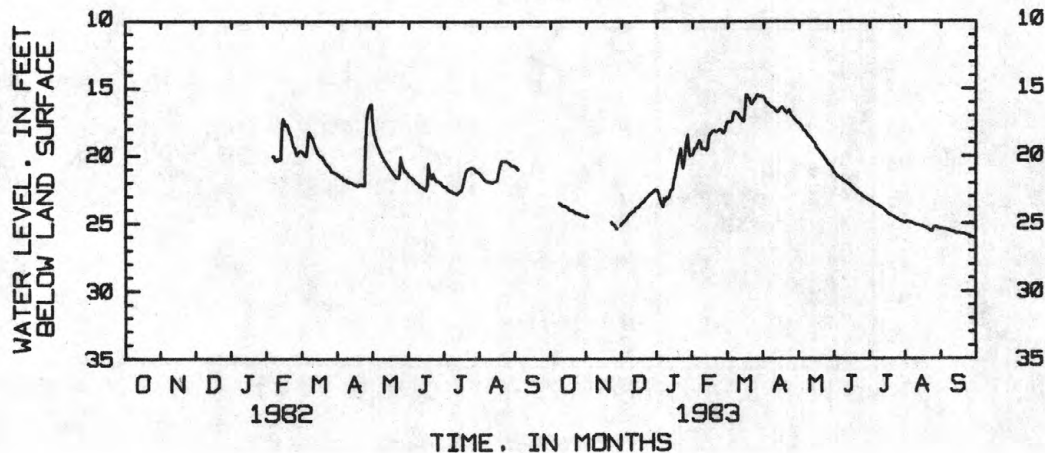
PERIOD OF RECORD.--January 1980 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 15.59 ft below land-surface datum, Mar. 28, 1983; lowest, 27.28 ft below land-surface datum, Feb. 9, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	24.58	25.12	22.61	19.89	17.85	15.76	17.65	21.19	23.34	25.03	25.48
2	---	24.59	25.01	22.81	19.53	17.60	15.69	17.71	21.35	23.39	25.03	25.45
3	---	---	24.92	23.19	19.55	17.57	15.85	17.74	21.44	23.45	24.91	25.48
4	---	---	24.84	23.45	19.34	17.56	16.09	17.84	21.51	23.50	24.93	25.50
5	---	---	24.76	23.73	19.15	17.58	16.20	17.99	21.62	23.53	24.99	25.50
6	---	---	24.63	23.85	18.95	17.51	16.26	18.16	21.70	23.60	25.02	25.52
7	---	---	24.49	23.20	19.11	17.17	16.36	18.26	21.77	23.69	25.04	25.54
8	23.56	---	24.39	23.42	19.55	16.86	16.44	18.30	21.78	23.74	25.08	25.58
9	23.59	---	24.31	23.13	19.61	16.86	16.54	18.44	21.86	23.75	25.12	25.62
10	23.65	---	24.22	23.24	19.59	16.93	16.56	18.59	21.95	23.79	25.17	25.66
11	23.73	---	24.19	23.12	19.60	17.00	16.61	18.68	22.01	23.87	25.20	25.69
12	23.77	---	24.12	22.81	19.70	17.14	16.73	18.77	22.06	23.92	25.21	25.71
13	23.78	---	23.96	22.55	19.57	17.29	16.85	18.87	22.12	23.97	25.21	25.73
14	23.82	---	23.90	22.55	18.83	17.38	16.90	19.00	22.18	24.01	25.24	25.76
15	23.87	---	23.87	22.00	18.54	17.50	16.83	19.10	22.23	24.08	25.26	25.81
16	23.93	---	23.81	21.62	18.42	17.57	16.68	19.18	22.34	24.20	25.28	25.78
17	24.06	---	23.68	21.18	18.29	17.15	16.59	19.42	22.42	24.29	25.31	25.77
18	24.10	---	23.58	20.70	18.25	15.60	16.50	19.58	22.48	24.36	25.35	25.79
19	24.12	---	23.54	20.26	18.23	15.62	16.62	19.68	22.56	24.42	25.39	25.82
20	24.15	---	23.44	19.88	18.32	15.83	16.76	19.78	22.64	24.48	25.43	25.82
21	24.19	---	23.32	19.58	18.31	15.89	16.87	19.90	22.71	24.52	25.48	25.81
22	24.26	24.98	23.20	20.40	18.24	16.20	16.96	19.99	22.79	24.56	25.52	25.87
23	24.33	25.10	23.13	21.03	18.15	16.31	16.86	20.09	22.88	24.61	25.58	25.92
24	24.32	25.19	23.04	20.51	18.17	16.16	16.72	20.22	22.90	24.64	25.65	25.95
25	24.35	25.22	22.95	19.68	18.23	15.96	16.95	20.37	22.95	24.71	25.65	25.96
26	24.41	25.36	22.88	19.02	18.42	15.91	17.14	20.47	23.05	24.75	25.39	25.97
27	24.46	25.46	22.80	18.55	18.42	15.69	17.24	20.62	23.12	24.82	25.33	26.04
28	24.49	---	22.73	19.76	18.24	15.59	17.33	20.76	23.17	24.87	25.32	26.08
29	24.50	---	22.65	20.15	---	15.73	17.46	20.82	23.21	24.91	25.35	26.12
30	24.54	25.20	22.56	20.03	---	15.75	17.56	20.91	23.29	24.95	25.41	26.15
31	24.57	---	22.61	20.05	---	15.68	---	21.03	---	24.99	25.44	---
MEAN			23.76	21.55	18.86	16.66	16.66	19.29	22.31	24.18	25.27	25.76
MAX			25.12	23.85	19.89	17.85	17.56	21.03	23.29	24.99	25.65	26.15
MIN			22.56	18.55	18.15	15.59	15.69	17.65	21.19	23.34	24.91	25.45

## HYDROGRAPH



## GROUND WATER LEVELS

289

## FLORENCE COUNTY

340806079563100. Local number, FLO-85.

LOCATION.--Lat 34°08'06", long 79°56'31", Hydrologic Unit 03040202, 136 ft off East Main Street, behind the town hall in Timmonsville.

Owner: Town of Timmonsville.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in to 535 ft, depth 535 ft, screened 235-240 ft, 260-270 ft, 410-415 ft, 480-485 ft, 505-515 ft.

DATUM.--Land-surface datum is 145 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.71 ft above land-surface datum.

REMARKS.--Water-quality data on file in District office. Record estimated Nov. 2-17, 1981, Feb. 24, 1983.

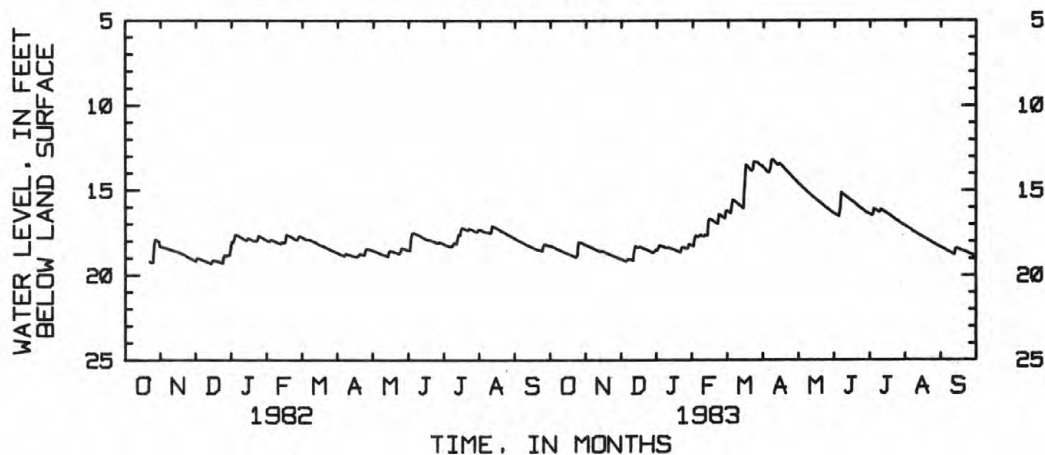
PERIOD OF RECORD.--June 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 13.14 ft below land-surface datum, Apr. 10, 1983; lowest, 19.34 ft below land-surface datum, Dec. 14, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.25	18.23	19.04	18.49	18.25	16.19	13.55	14.49	16.33	16.35	17.08	18.36
2	18.28	18.26	19.07	18.37	17.87	16.17	13.64	14.57	16.38	16.39	17.12	18.39
3	18.32	18.29	19.11	18.21	17.65	16.23	13.72	14.64	16.42	16.43	17.17	18.43
4	18.35	18.33	19.13	18.23	17.68	16.28	13.79	14.70	16.46	16.47	17.21	18.46
5	18.38	18.36	19.16	18.26	17.72	16.33	13.88	14.77	16.50	16.40	17.26	18.50
6	18.42	18.40	19.07	18.29	17.67	15.91	13.95	14.84	16.53	16.08	17.30	18.53
7	18.45	18.43	19.02	18.32	17.61	15.55	13.92	14.90	16.07	16.11	17.35	18.57
8	18.48	18.45	19.04	18.35	17.64	15.60	13.73	14.96	15.12	16.16	17.39	18.61
9	18.52	18.50	19.05	18.38	17.68	15.65	13.23	15.03	15.17	16.21	17.45	18.64
10	18.55	18.53	19.08	18.33	17.70	15.70	13.14	15.09	15.23	16.26	17.48	18.68
11	18.58	18.55	19.11	18.36	17.59	15.76	13.21	15.15	15.29	16.27	17.52	18.71
12	18.61	18.59	18.55	18.38	17.61	15.82	13.30	15.21	15.35	16.11	17.57	18.75
13	18.64	18.56	18.27	18.41	17.63	15.88	13.38	15.28	15.40	16.15	17.60	18.78
14	18.67	18.56	18.30	18.44	16.77	15.94	13.47	15.34	15.46	16.20	17.64	18.49
15	18.70	18.58	18.36	18.47	16.66	16.00	13.47	15.40	15.52	16.25	17.68	18.40
16	18.74	18.61	18.32	18.50	16.70	16.05	13.38	15.46	15.57	16.31	17.73	18.43
17	18.76	18.64	18.31	18.53	16.74	14.82	13.46	15.52	15.63	16.35	17.77	18.46
18	18.79	18.67	18.34	18.56	16.79	13.48	13.54	15.57	15.68	16.40	17.81	18.50
19	18.82	18.71	18.37	18.59	16.84	13.54	13.61	15.63	15.74	16.44	17.84	18.53
20	18.85	18.74	18.40	18.62	16.89	13.62	13.69	15.69	15.79	16.48	17.88	18.56
21	18.87	18.77	18.43	18.61	16.93	13.70	13.77	15.74	15.85	16.54	17.92	18.57
22	18.90	18.80	18.46	18.37	16.94	13.78	13.85	15.80	15.91	16.60	17.97	18.60
23	18.93	18.83	18.50	18.34	16.39	13.86	13.93	15.86	15.97	16.65	18.01	18.63
24	18.81	18.86	18.53	18.35	16.42	13.74	13.99	15.92	16.03	16.70	18.05	18.66
25	18.05	18.89	18.56	18.38	16.50	13.29	14.06	15.97	16.08	16.75	18.09	18.70
26	18.04	18.93	18.59	18.40	16.54	13.30	14.13	16.03	16.12	16.79	18.13	18.73
27	18.08	18.96	18.63	18.41	16.59	13.30	14.21	16.08	16.18	16.84	18.16	18.77
28	18.10	18.98	18.66	18.16	16.63	13.33	14.28	16.13	16.23	16.90	18.21	18.80
29	18.12	19.01	18.63	18.16	---	13.41	14.35	16.18	16.29	16.94	18.24	18.83
30	18.17	19.02	18.55	18.19	---	13.49	14.42	16.23	16.34	16.99	18.28	18.88
31	18.20	---	18.48	18.22	---	13.52	---	16.28	---	17.03	18.32	---
MEAN	18.50	18.63	18.68	18.38	17.17	14.81	13.74	15.43	15.89	16.47	17.72	18.60
MAX	18.93	19.02	19.16	18.62	18.25	16.33	14.42	16.28	16.53	17.03	18.32	18.88
MIN	18.04	18.23	18.27	18.16	16.39	13.29	13.14	14.49	15.12	16.08	17.08	18.36

## HYDROGRAPH





## FLORENCE COUNTY

341200079444100. Local number, FLO-99.

LOCATION.--Lat 34°12'00", long 79°44'41", Hydrologic Unit 03040201, 85 ft east of the rear of City Products warehouse off East Day Street in Florence.

Owner: City Products, Kenneth Ness.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in, depth 216 ft, casing and screen unknown.

DATUM.--Land-surface datum is 145 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.72 ft above land-surface datum.

REMARKS.--Gamma log, Aug. 13, 1980 to depth of 205 ft, caliper log, Aug. 13, 1980 to depth of 204 ft. Obstruction between 30 to 40 ft. Record estimated Oct. 1-21, Nov. 24 to Dec. 31, 1981, Jan. 1-7, Jan. 24 to Feb. 16, Mar. 4-30, Sept. 7-16, 1982.

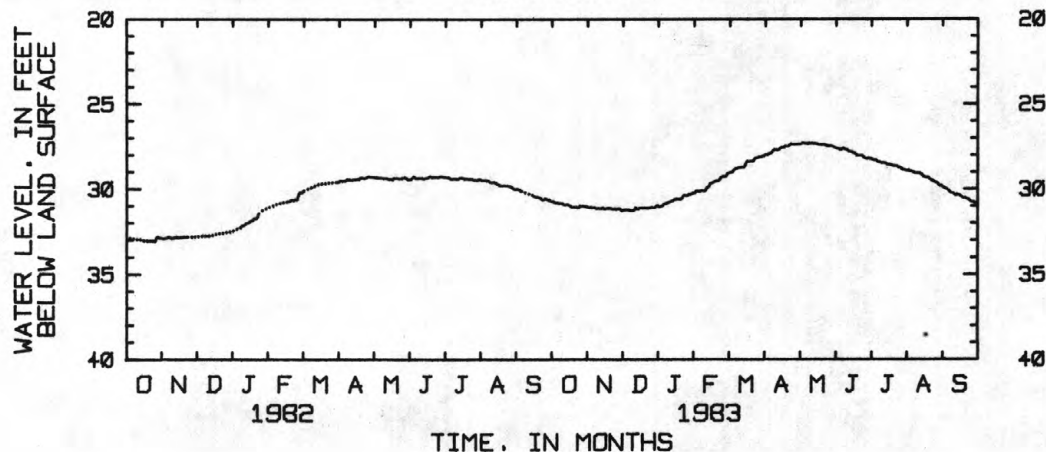
PERIOD OF RECORD.--June 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 27.26 ft below land-surface datum, May 4, 1983; lowest, 33.71 ft below land-surface datum, July 25, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.70	31.08	31.21	31.04	30.20	29.04	28.06	27.34	27.56	28.21	28.94	29.86
2	30.69	31.06	31.24	31.04	30.08	29.02	27.97	27.35	27.60	28.24	28.93	29.92
3	30.76	31.07	31.21	31.00	30.07	29.01	27.96	27.32	27.62	28.27	28.91	29.92
4	30.80	31.06	31.21	30.97	30.12	28.99	27.98	27.32	27.63	28.30	28.96	29.99
5	30.81	31.07	31.22	30.88	30.13	28.98	27.93	27.27	27.65	28.32	28.96	30.01
6	30.81	31.10	31.24	30.85	30.06	28.89	27.90	27.31	27.70	28.29	28.97	30.06
7	30.84	31.09	31.26	30.84	30.06	28.82	27.86	27.30	27.65	28.36	29.01	30.12
8	30.83	31.14	31.27	30.82	30.09	28.76	27.81	27.28	27.57	28.42	29.06	30.18
9	30.82	31.15	31.25	30.77	30.07	28.76	27.69	27.33	27.63	28.40	29.08	30.23
10	30.83	31.12	31.27	30.73	30.05	28.72	27.67	27.29	27.67	28.45	29.06	30.25
11	30.91	31.14	31.19	30.72	29.90	28.71	27.68	27.30	27.70	28.49	29.09	30.28
12	30.92	31.13	31.07	30.67	29.86	28.72	27.67	27.29	27.74	28.46	29.06	30.34
13	30.90	31.11	31.17	30.68	29.81	28.69	27.69	27.30	27.80	28.48	29.08	30.39
14	30.89	31.11	31.18	30.62	29.65	28.70	27.64	27.31	27.81	28.50	29.14	30.31
15	30.92	31.16	31.12	30.57	29.63	28.68	27.57	27.30	27.80	28.52	29.20	30.33
16	30.96	31.17	31.10	30.56	29.60	28.62	27.53	27.34	27.85	28.57	29.27	30.38
17	31.00	31.12	31.10	30.57	29.55	28.45	27.53	27.35	27.88	28.58	29.30	30.43
18	31.06	31.15	31.11	30.57	29.52	28.34	27.52	27.39	27.91	28.59	29.34	30.48
19	31.04	31.12	31.11	30.59	29.49	28.36	27.46	27.38	27.98	28.61	29.35	30.55
20	31.04	31.15	31.11	30.55	29.51	28.35	27.47	27.39	28.04	28.63	29.36	30.53
21	31.06	31.15	31.11	30.51	29.49	28.33	27.47	27.39	28.02	28.66	29.41	30.53
22	31.06	31.18	31.13	30.37	29.42	28.35	27.45	27.37	28.03	28.67	29.45	30.58
23	31.07	31.17	31.09	30.34	29.30	28.33	27.39	27.40	28.02	28.66	29.50	30.60
24	31.07	31.15	31.07	30.39	29.27	28.22	27.32	27.43	28.04	28.67	29.54	30.64
25	30.97	31.19	31.07	30.35	29.23	28.14	27.36	27.46	28.10	28.74	29.58	30.70
26	30.97	31.16	31.05	30.35	29.24	28.15	27.37	27.47	28.17	28.73	29.62	30.77
27	30.99	31.14	31.10	30.27	29.22	28.12	27.37	27.45	28.22	28.76	29.65	30.76
28	31.00	31.15	31.10	30.30	29.18	28.10	27.35	27.46	28.24	28.82	29.67	30.79
29	31.01	31.19	31.02	30.25	---	28.10	27.35	27.47	28.24	28.87	29.76	30.82
30	31.03	31.28	30.98	30.20	---	28.08	27.34	27.49	28.18	28.87	29.83	30.85
31	31.03	---	30.96	30.22	---	28.02	---	27.54	---	28.88	29.79	---
MEAN	30.93	31.14	31.14	30.60	29.71	28.53	27.61	27.37	27.87	28.55	29.29	30.39
MAX	31.07	31.28	31.27	31.04	30.20	29.04	28.06	27.54	28.24	28.88	29.83	30.85
MIN	30.69	31.06	30.96	30.20	29.18	28.02	27.32	27.26	27.56	28.21	28.91	29.86

## HYDROGRAPH



## GROUND WATER LEVELS

291

## FLORENCE COUNTY

341144079345001. Local number, FLO-128.

LOCATION.--Lat 34°11'44", long 79°34'50", Hydrologic Unit 03040201, E. I. DuPont, Mars Bluff plant site. 430 ft from highway no. 76.

Owner: E. I. DuPont, de Nemours Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 802 ft, cased to 802 ft, screened 265-270 ft, 275-290 ft, 328-333 ft, 376-381 ft, 460-470 ft, 680-690 ft.

DATUM.--Land-surface datum is 96 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Water-quality data from 1950-60 on file in District office. Geophysical logged March 1959 to 800 ft, geophysical logged May 1982 to 695 ft. Record estimated Mar. 13-29, Sept. 1-17, 1982.

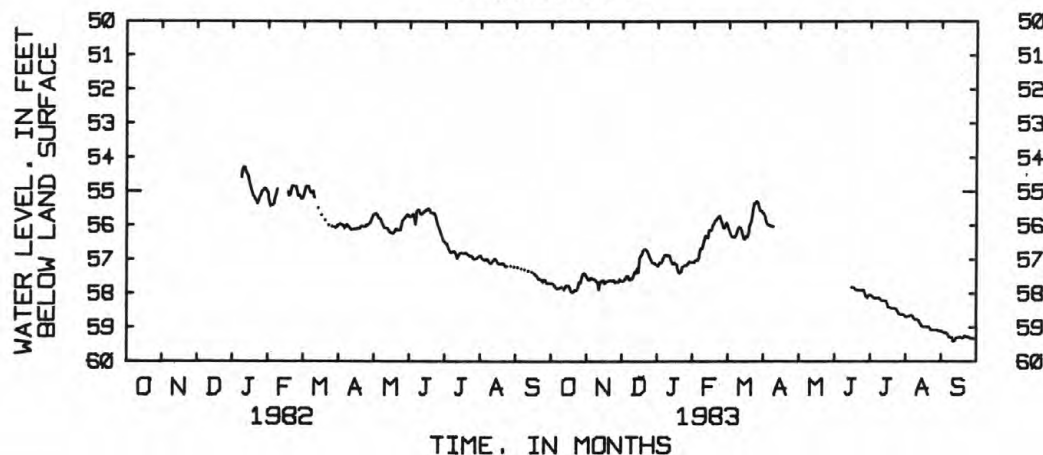
PERIOD OF RECORD.--January 1982 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 54.28 ft below land-surface datum, Jan. 10, 1982; lowest, 59.41 ft below land-surface datum, Sept. 12, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57.70	57.55	57.64	57.21	57.09	55.92	55.63		---	58.06	58.65	59.12
2	57.71	57.61	57.63	57.13	57.03	56.00	55.66		---	58.05	58.69	59.12
3	57.74	57.60	57.61	57.08	57.01	56.12	55.73		---	58.06	58.69	59.14
4	57.78	57.55	57.56	57.11	57.02	56.22	55.88		---	58.08	58.67	59.16
5	57.83	57.57	57.49	57.03	56.96	56.31	55.97		---	58.12	58.66	59.16
6	57.87	57.59	57.49	56.94	56.76	56.35	56.00		---	58.14	58.66	59.17
7	57.85	57.60	57.58	56.87	56.68	56.36	56.01		---	58.14	58.64	59.19
8	57.84	57.62	57.61	56.86	56.68	56.35	56.03		---	58.13	58.67	59.25
9	57.82	57.67	57.56	56.89	56.55	56.30	56.04		---	58.13	58.74	59.30
10	57.81	57.68	57.55	56.87	56.43	56.21	56.04		---	58.13	58.77	59.30
11	57.85	57.89	57.48	56.89	56.30	56.10	---		---	58.18	58.77	59.30
12	57.89	57.70	57.37	56.99	56.37	56.05	---		---	58.21	58.77	59.41
13	57.83	57.63	57.40	57.10	56.37	56.08	---		---	58.22	58.80	59.40
14	57.77	57.64	57.27	57.14	56.13	56.15	---		---	58.22	58.85	59.33
15	57.77	57.62	57.39	57.10	56.16	56.29	---		---	58.22	58.90	59.30
16	57.78	57.71	56.98	57.14	56.13	56.41	---		57.83	58.22	58.96	59.30
17	57.84	57.67	56.89	57.16	56.00	56.41	---		57.83	58.30	58.99	59.29
18	57.94	57.63	56.84	57.31	55.95	56.32	---		57.83	58.41	58.99	59.28
19	57.97	57.63	56.75	57.40	55.87	56.33	---		57.86	58.42	58.99	59.30
20	57.95	57.62	56.70	57.41	55.83	56.23	---		57.90	58.43	58.99	59.32
21	57.91	57.62	56.69	57.37	55.78	55.99	---		57.91	58.44	58.99	59.30
22	57.91	57.63	56.72	57.24	55.74	55.91	---		57.91	58.44	59.00	59.25
23	57.89	57.62	56.77	57.20	55.71	55.75	---		57.91	58.44	59.03	59.26
24	57.82	57.62	56.84	57.18	55.82	55.49	---		57.91	58.44	59.08	59.28
25	57.66	57.68	56.95	57.18	55.92	55.33	---		57.91	58.47	59.08	59.29
26	57.69	57.65	57.02	57.17	56.05	55.35	---		57.91	58.53	59.08	59.30
27	57.57	57.67	57.09	57.11	56.09	55.28	---		57.92	58.58	59.08	59.33
28	57.44	57.67	57.12	57.06	56.02	55.33	---		58.03	58.62	59.07	59.33
29	57.40	57.58	57.12	57.08	---	55.47	---		58.09	58.63	59.07	59.33
30	57.43	57.63	57.16	57.07	---	55.58	---		58.13	58.62	59.11	59.33
31	57.49	---	57.18	57.08	---	55.57	---		---	58.63	59.12	---
MEAN	57.77	57.64	57.21	57.11	56.30	55.99				58.31	58.89	59.27
MAX	57.97	57.89	57.64	57.41	57.09	56.41				58.63	59.12	59.41
MIN	57.40	57.55	56.69	56.86	55.71	55.28				58.05	58.64	59.12

## HYDROGRAPH



## FLORENCE COUNTY

341150079345000. Local number, FLO-129.

LOCATION.--Lat 34°11'50", long 79°34'50", Hydrologic Unit 03040201, on Pee Dee River, 2.0 mi east of Mars Bluff at DuPont Plant.

Owner: E. I. DuPont, de Nemours Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth drilled 802 ft, reportedly cased to 802 ft, screened intervals 264-292 ft, 327-333 ft, 375-381 ft, 678-690 ft.

DATUM.--Land-surface datum is 96.90 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.43 ft above land-surface datum.

REMARK.--Formerly listed as FLO-128. Geophysical logged, date unknown, to 460 ft, logged May 1982 to 198 ft.

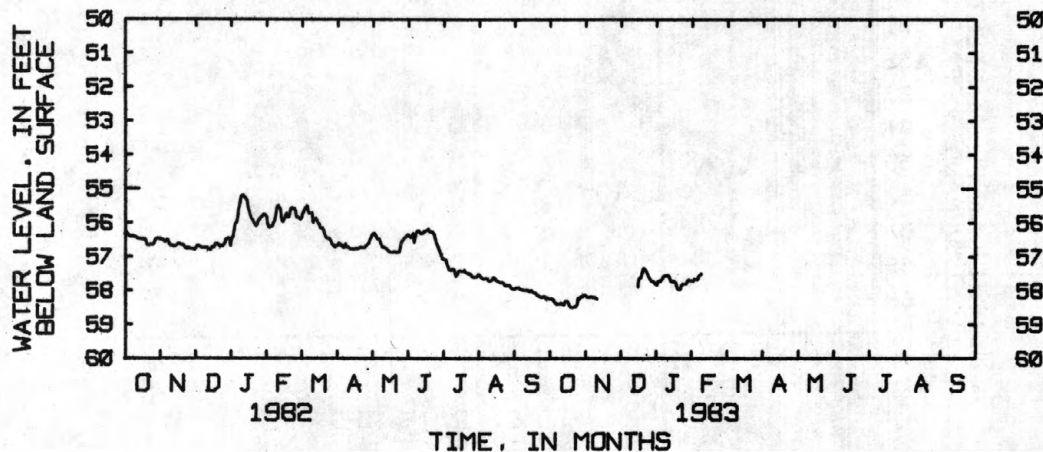
PERIOD OF RECORD.--August 1971 to February 1983. Station discontinued.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 37.22 ft below land-surface datum, Feb. 10, 1973; lowest, 58.49 ft below land-surface datum, Oct. 19, 20, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58.23	58.15	---	57.83	57.71							
2	58.23	58.19	---	57.72	57.66							
3	58.24	58.19	---	57.70	57.65							
4	58.28	58.18	---	57.73	57.66							
5	58.34	58.17	---	57.67	57.65							
6	58.38	58.18	---	57.62	57.56							
7	58.38	58.19	---	57.56	57.52							
8	58.38	58.20	---	57.55	57.50							
9	58.38	58.22	---	57.56	---							
10	58.36	58.24	---	57.55	---							
11	58.37	---	---	57.56	---							
12	58.41	---	---	57.64	---							
13	58.39	---	---	57.72	---							
14	58.31	---	---	57.75	---							
15	58.31	---	57.87	57.71	---							
16	58.32	---	57.67	57.74	---							
17	58.39	---	57.62	57.77	---							
18	58.47	---	57.60	57.89	---							
19	58.49	---	57.47	57.95	---							
20	58.49	---	57.35	57.97	---							
21	58.48	---	57.35	57.94	---							
22	58.46	---	57.39	57.85	---							
23	58.46	---	57.44	57.80	---							
24	58.40	---	57.53	57.80	---							
25	58.21	---	57.62	57.80	---							
26	58.23	---	57.67	57.79	---							
27	58.18	---	57.71	57.72	---							
28	58.15	---	57.73	57.68	---							
29	58.13	---	57.74	57.70	---							
30	58.12	---	57.79	57.69	---							
31	58.12	---	57.81	57.70	---							
MEAN	58.33			57.73								
MAX	58.49			57.97								
MIN	58.12			57.55								

## HYDROGRAPH



## GEORGETOWN COUNTY

332249079171300. Local number, GEO-17.

LOCATION.--Lat 33°22'49", long 79°17'13", 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, diameter 18 in to 105 ft, 8 in to 885 ft, depth 904 ft, screened intervals 703-713 ft, 757-767 ft, 789-799 ft, 844-854 ft, 815-885 ft.

DATUM.--Land-surface datum is 18 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.3 ft above land-surface datum. Prior to Dec. 14, 1982, measuring point was 1.5 ft above land-surface datum.

REMARKS.--Record estimated Oct. 1-4, 1981, Dec. 12-13, 30-31, 1982, Jan. 1-3, 1983.

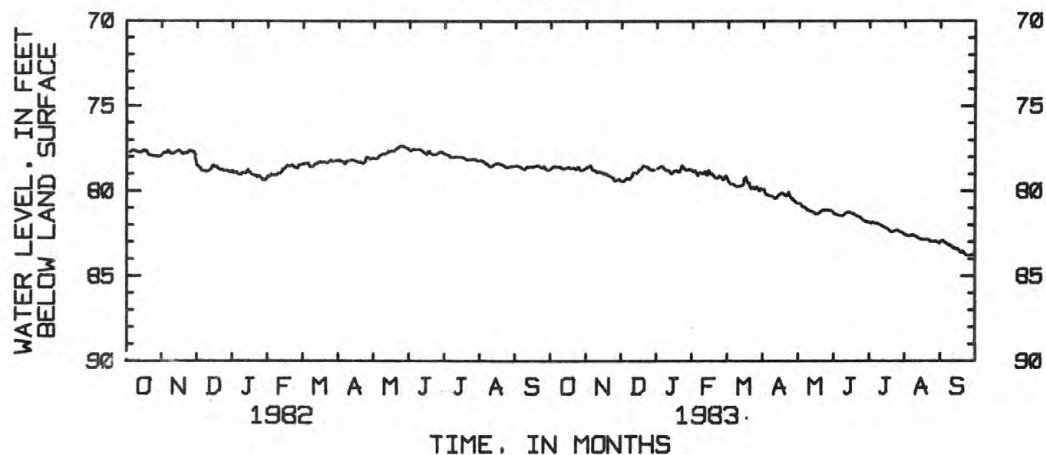
PERIOD OF RECORD.--January 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 68.56 ft below land-surface datum May 14, 1978; lowest, 83.80 ft below land-surface datum, Sept. 25, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78.70	78.59	79.40	78.66	78.85	79.10	79.91	80.71	81.23	81.84	82.52	83.07
2	78.61	78.54	79.43	78.62	78.77	79.23	79.89	80.74	81.33	81.85	82.58	82.94
3	78.54	78.51	79.40	78.58	78.85	79.39	79.93	80.74	81.37	81.88	82.61	82.90
4	78.51	78.49	79.33	78.52	79.02	79.51	80.14	80.75	81.37	81.90	82.62	82.96
5	78.53	78.61	79.25	78.51	79.07	79.60	80.21	80.84	81.42	81.84	82.65	83.03
6	78.58	78.73	79.21	78.58	78.90	79.62	80.24	80.93	81.44	81.85	82.65	83.06
7	78.58	78.77	79.28	78.69	78.89	79.62	80.29	80.98	81.46	81.91	82.61	83.10
8	78.57	78.79	79.27	78.76	78.96	79.64	80.28	80.98	81.45	81.91	82.58	83.14
9	78.58	78.84	79.19	78.78	78.98	79.69	80.30	81.03	81.45	81.90	82.59	83.18
10	78.63	78.90	79.10	78.77	78.92	79.73	80.32	81.10	81.42	81.92	82.63	83.21
11	78.66	78.90	78.92	78.81	78.85	79.71	80.36	81.14	81.36	81.97	82.66	83.26
12	78.69	78.86	78.90	78.89	79.05	79.71	80.42	81.16	81.29	82.01	82.69	83.32
13	78.66	78.89	78.93	78.97	79.04	79.71	80.42	81.19	81.25	82.06	82.75	83.37
14	78.63	78.93	78.95	78.93	78.77	79.66	80.36	81.21	81.25	82.10	82.80	83.33
15	78.61	78.93	78.86	78.82	78.93	79.65	80.26	81.25	81.24	82.13	82.83	83.40
16	78.58	78.99	78.74	78.81	79.00	79.62	80.18	81.26	81.27	82.15	82.85	83.42
17	78.65	78.96	78.72	78.76	78.97	79.29	80.16	81.36	81.30	82.19	82.86	83.45
18	78.66	78.99	78.68	78.81	79.08	79.17	80.09	81.36	81.33	82.24	82.87	83.52
19	78.64	79.05	78.54	78.87	79.14	79.39	80.11	81.32	81.36	82.29	82.87	83.61
20	78.63	79.09	78.49	78.87	79.24	79.53	80.18	81.28	81.41	82.35	82.86	83.61
21	78.65	79.13	78.52	78.72	79.25	79.51	80.25	81.23	81.45	82.41	82.86	83.55
22	78.70	79.16	78.56	78.50	79.22	79.77	80.31	81.16	81.49	82.40	82.87	83.63
23	78.71	79.19	78.58	78.54	79.11	79.87	80.22	81.12	81.51	82.38	82.91	83.72
24	78.60	79.27	78.63	78.67	79.17	79.77	80.06	81.12	81.54	82.34	82.97	83.78
25	78.60	79.39	78.71	78.73	79.17	79.81	80.26	81.13	81.58	82.33	82.99	83.80
26	78.74	79.37	78.73	78.76	79.31	79.89	80.38	81.09	81.66	82.30	82.98	83.79
27	78.78	79.36	78.76	78.73	79.34	79.77	80.45	81.11	81.72	82.34	82.97	83.79
28	78.77	79.32	78.76	78.70	79.20	79.79	80.52	81.15	81.76	82.37	82.96	83.78
29	78.72	79.29	78.77	78.75	---	79.93	80.60	81.13	81.81	82.40	82.98	83.77
30	78.68	79.39	78.75	78.73	---	80.00	80.65	81.14	81.84	82.43	83.03	83.77
31	78.65	---	78.73	78.80	---	79.86	---	81.16	---	82.47	83.05	---
MEAN	78.64	78.97	78.91	78.73	79.04	79.63	80.26	81.09	81.45	82.14	82.80	83.41
MAX	78.78	79.39	79.43	78.97	79.34	80.00	80.65	81.36	81.84	82.47	83.05	83.80
MIN	78.51	78.49	78.49	78.50	78.77	79.10	79.89	80.71	81.23	81.84	82.52	82.90

## HYDROGRAPH





## GROUND WATER LEVELS

## GEORGETOWN COUNTY

332424079171800. Local number, GEO-77.

LOCATION.--Lat 33°24'24", long 79°17'18", Hydrologic Unit 03040207, 5.0 mi 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 observation artesian well, diameter 10 in to 445 ft, 8 in from 445 ft to 748 ft, depth 748 ft, screened intervals 490-520 ft, 580-660 ft, 720-740 ft, gravel packed.

DATUM.--Land-surface datum is 22 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.10 ft above land-surface datum.

REMARKS.--Record estimated Nov. 27 to Dec. 31, 1981, Jan. 1-19, Feb. 5 to Mar. 11, May 2 to June 7, June 10 to July 11, 13, July 19 to Aug. 22, 1982.

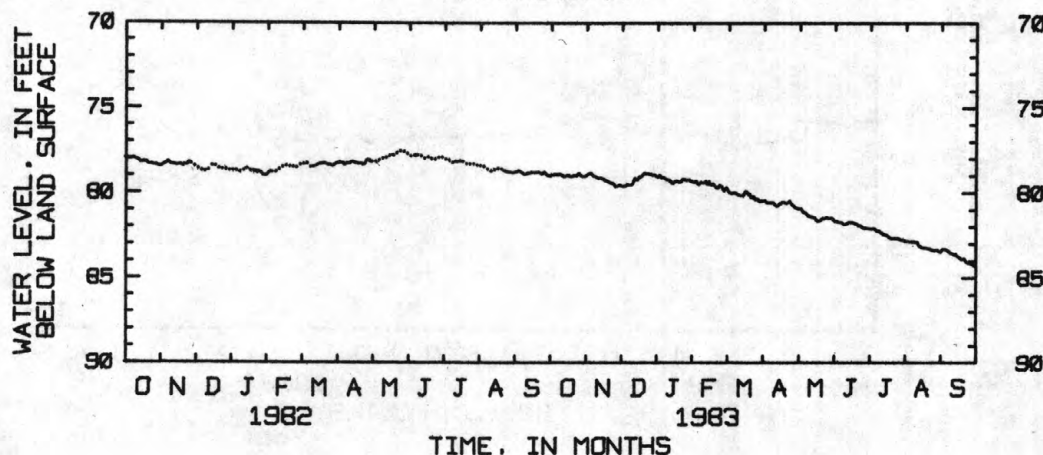
PERIOD OF RECORD.--June 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 63.73 ft below land-surface datum, Nov. 7, 1976; lowest, 96.82 ft below land-surface datum, Nov. 21-23, 1972.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78.97	78.92	79.62	79.06	79.39	79.68	80.49	80.93	81.58	82.09	82.81	83.48
2	78.93	78.87	79.65	78.96	79.31	79.82	80.45	80.94	81.66	82.10	82.83	83.35
3	78.93	78.85	79.64	78.98	79.31	79.93	80.44	80.93	81.67	82.11	82.84	83.28
4	78.90	78.82	79.59	79.10	79.43	79.99	80.54	80.93	81.67	82.10	82.84	83.27
5	78.91	78.90	79.53	79.10	79.51	80.03	80.57	81.02	81.71	82.07	82.86	83.31
6	78.93	78.99	79.49	79.12	79.40	80.01	80.56	81.11	81.73	82.09	82.87	83.34
7	78.93	79.02	79.54	79.15	79.34	79.98	80.57	81.18	81.73	82.15	82.85	83.38
8	78.91	79.04	79.55	79.20	79.41	79.99	80.56	81.18	81.75	82.24	82.84	83.44
9	78.90	79.08	79.50	79.24	79.42	80.03	80.57	81.23	81.80	82.22	82.85	83.50
10	78.94	79.13	79.45	79.24	79.37	80.08	80.58	81.32	81.85	82.23	82.87	83.54
11	79.00	79.15	79.28	79.26	79.30	80.09	80.63	81.36	81.83	82.30	82.88	83.56
12	79.04	79.12	79.13	79.32	79.47	80.11	80.71	81.38	81.80	82.34	82.90	83.59
13	79.03	79.13	79.23	79.43	79.48	80.14	80.76	81.41	81.76	82.39	83.04	83.63
14	78.97	79.18	79.22	79.43	79.30	80.13	80.75	81.43	81.72	82.42	83.11	83.58
15	78.96	79.20	79.14	79.32	79.47	80.12	80.67	81.46	81.70	82.44	83.16	83.68
16	78.96	79.27	79.03	79.33	79.52	80.09	80.61	81.46	81.73	82.47	83.20	83.73
17	79.02	79.27	79.02	79.28	79.46	79.93	80.59	81.57	81.74	82.51	83.22	83.76
18	79.03	79.30	79.00	79.31	79.53	79.88	80.52	81.65	81.75	82.56	83.23	83.82
19	79.01	79.34	78.88	79.37	79.60	80.00	80.52	81.66	81.78	82.61	83.24	83.89
20	78.98	79.39	78.83	79.37	79.69	80.07	80.56	81.63	81.82	82.64	83.25	83.90
21	78.96	79.42	78.84	79.28	79.71	80.05	80.59	81.60	81.84	82.67	83.25	83.85
22	78.98	79.42	78.87	79.18	79.67	80.21	80.62	81.49	81.88	82.67	83.26	83.91
23	79.00	79.44	78.86	79.18	79.54	80.28	80.54	81.46	81.92	82.67	83.29	84.01
24	78.87	79.51	78.88	79.20	79.60	80.20	80.45	81.47	81.93	82.65	83.34	84.08
25	78.84	79.64	78.91	79.23	79.65	80.27	80.57	81.48	81.95	82.65	83.36	84.11
26	78.95	79.62	78.92	79.25	79.81	80.40	80.67	81.42	82.02	82.64	83.37	84.12
27	79.01	79.60	78.95	79.22	79.88	80.34	80.74	81.46	82.06	82.69	83.37	84.14
28	79.03	79.56	78.94	79.22	79.78	80.35	80.79	81.49	82.07	82.73	83.36	84.17
29	79.02	79.53	78.94	79.30	---	80.47	80.85	81.46	82.08	82.76	83.36	84.21
30	79.01	79.60	79.00	79.29	---	80.51	80.89	81.46	82.08	82.77	83.41	84.25
31	78.98	---	79.04	79.35	---	80.44	---	81.49	---	82.79	83.44	---
MEAN	78.96	79.24	79.18	79.23	79.51	80.12	80.61	81.36	81.82	82.44	83.11	83.73
MAX	79.04	79.64	79.65	79.43	79.88	80.51	80.89	81.66	82.08	82.79	83.44	84.25
MIN	78.84	78.82	78.83	78.96	79.30	79.68	80.44	80.93	81.58	82.07	82.81	83.27

## HYDROGRAPH



## GEORGETOWN COUNTY

332610079104000. Local number, GEO-84.

LOCATION.--Lat 33°26'10", long 79°10'40", Hydrologic Unit 03040207, 2 mi west of Pawleys Island, south Causeway entrance on Hwy. 17.

Owner: Johnnie Strait.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 620 ft, cased to 575 ft, screened interval 575-620 ft.

DATUM.--Land-surface datum is 20 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

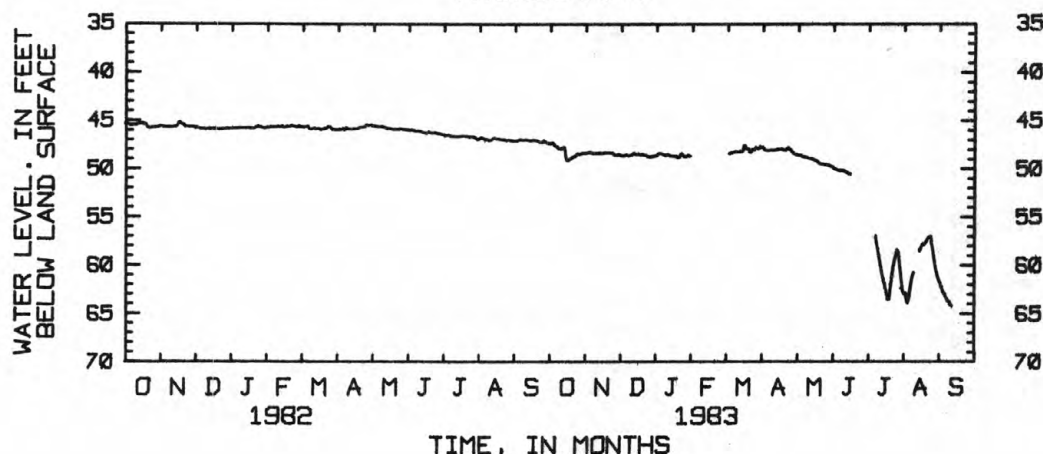
PERIOD OF RECORD.--December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 31.38 ft below land-surface datum, Feb. 10, 1978; lowest, 64.49 ft below land-surface datum, Sept. 30, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47.43	48.44	48.67	48.66	---	---	47.83	48.63	49.90	---	62.81	61.61
2	47.36	48.37	48.72	48.50	---	---	47.77	48.65	50.07	---	63.06	61.86
3	47.35	48.33	48.68	48.47	---	---	47.92	48.64	50.12	---	62.89	62.20
4	47.51	48.28	48.64	48.51	---	48.47	48.12	48.66	50.16	---	63.51	62.59
5	47.68	48.45	48.58	48.52	---	48.41	48.16	48.72	50.23	---	63.94	62.87
6	47.74	48.50	48.58	48.59	---	48.37	48.17	48.80	50.25	---	63.54	63.06
7	47.82	48.48	48.70	48.63	---	48.32	48.17	48.84	50.27	---	62.66	63.29
8	47.98	48.45	48.66	48.70	---	48.28	48.13	48.84	50.25	57.01	61.83	63.54
9	47.98	48.49	48.64	48.62	---	48.26	48.11	48.90	50.27	57.61	61.19	63.74
10	47.92	48.51	48.61	48.57	---	48.28	48.12	48.93	50.26	58.34	60.81	63.83
11	47.86	48.47	48.50	48.61	---	48.27	48.16	48.99	50.34	59.01	---	64.15
12	47.86	48.41	48.44	48.75	---	48.30	48.12	49.04	50.37	59.66	---	64.23
13	47.89	48.49	48.60	48.75	---	48.27	48.11	49.06	50.45	60.31	---	---
14	48.78	48.44	48.60	48.73	---	48.28	48.07	49.06	50.53	60.93	---	---
15	49.26	48.45	48.55	48.71	---	48.28	47.99	49.15	50.62	61.48	58.54	---
16	49.16	48.46	48.53	48.78	---	48.13	48.05	49.18	50.65	61.97	58.30	---
17	49.12	48.38	48.61	48.74	---	47.63	48.02	49.26	---	62.49	58.01	---
18	49.04	48.40	48.62	48.83	---	47.69	47.95	49.25	---	63.03	57.81	---
19	48.94	48.41	48.54	48.94	---	47.99	48.02	49.36	---	63.60	57.93	---
20	48.86	48.41	48.61	48.90	---	48.00	48.08	49.50	---	63.55	57.75	---
21	48.81	48.42	48.66	48.61	---	48.02	48.11	49.57	---	62.59	57.51	---
22	48.78	48.42	48.69	48.48	---	48.33	48.13	49.61	---	61.61	57.29	---
23	48.66	48.40	48.73	48.62	---	48.28	47.96	49.62	---	60.69	57.13	---
24	48.49	48.51	48.80	48.79	---	48.01	47.83	49.66	---	59.99	57.00	---
25	48.49	48.64	48.86	48.83	---	48.10	48.06	49.69	---	59.38	57.00	---
26	48.59	48.61	48.83	48.83	---	48.03	48.11	49.68	---	58.86	57.94	---
27	48.52	48.67	48.81	48.70	---	47.81	48.25	49.68	---	58.43	58.71	---
28	48.45	48.55	48.74	48.61	---	47.94	48.37	49.77	---	58.67	59.50	---
29	48.43	48.56	48.71	48.74	---	47.97	48.54	49.78	---	59.77	60.19	---
30	48.45	48.69	48.71	---	---	47.91	48.59	49.80	---	60.89	60.74	64.49
31	48.48	---	48.64	---	---	47.74	---	49.86	---	61.93	61.21	---
MEAN	48.31	48.47	48.65	---	---	---	48.10	49.23	---	---	---	---
MAX	49.26	48.69	48.86	---	---	---	48.59	49.86	---	---	---	---
MIN	47.35	48.28	48.44	---	---	---	47.77	48.63	---	---	---	---

## HYDROGRAPH



## GROUND WATER LEVELS

## GREENVILLE COUNTY

345335082185800. Local number, GRV-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 observation water-table well, diameter 6 in, depth 80 ft, cased to 6 ft, open hole 6 ft to 80 ft.

DATUM.--Land-surface datum is 926 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.79 ft above land-surface datum.

REMARKS.--Record estimated Oct. 18 to Dec. 31, 1981, Jan. 1 to Mar. 29, 1982.

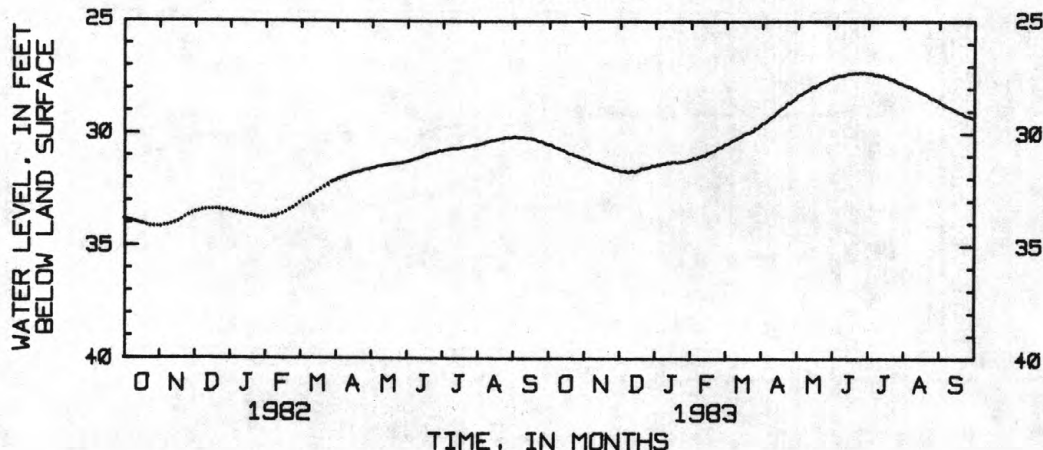
PERIOD OF RECORD.--May 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 23.81 ft below land-surface datum, June 28, 1973; lowest, 34.19 ft below land-surface datum, estimated Oct. 28, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.52	31.17	31.70	31.44	31.14	30.49	29.63	28.44	27.57	27.36	27.88	28.65
2	30.53	31.19	31.72	31.40	31.09	30.49	29.55	28.38	27.57	27.37	27.89	28.69
3	30.56	31.20	31.72	31.42	31.11	30.48	29.55	28.32	27.53	27.37	27.91	28.72
4	30.59	31.22	31.70	31.44	31.14	30.45	29.55	28.30	27.49	27.37	27.93	28.75
5	30.63	31.28	31.69	31.39	31.13	30.42	29.51	28.28	27.49	27.36	27.95	28.77
6	30.66	31.31	31.72	31.37	31.06	30.38	29.45	28.28	27.46	27.38	27.96	28.79
7	30.67	31.33	31.76	31.35	31.05	30.35	29.41	28.22	27.45	27.44	27.97	28.83
8	30.68	31.34	31.76	31.36	31.05	30.31	29.36	28.17	27.45	27.45	28.00	28.86
9	30.69	31.36	31.73	31.35	31.02	30.29	29.32	28.17	27.46	27.42	28.03	28.88
10	30.73	31.38	31.73	31.31	30.98	30.26	29.29	28.14	27.46	27.42	28.06	28.90
11	30.76	31.38	31.67	31.29	30.97	30.24	29.25	28.10	27.44	27.44	28.07	28.91
12	30.78	31.36	31.70	31.33	30.99	30.22	29.23	28.06	27.42	27.47	28.09	28.94
13	30.77	31.42	31.75	31.34	30.95	30.19	29.18	28.04	27.40	27.48	28.14	28.96
14	30.81	31.44	31.74	31.30	30.88	30.16	29.12	27.99	27.38	27.49	28.18	28.99
15	30.83	31.46	31.69	31.28	30.88	30.14	29.06	27.96	27.36	27.49	28.20	29.04
16	30.86	31.48	31.65	31.28	30.85	30.11	29.04	27.92	27.37	27.51	28.22	29.05
17	30.92	31.48	31.66	31.27	30.82	30.06	28.98	27.98	27.37	27.54	28.24	29.06
18	30.94	31.50	31.64	31.31	30.81	30.03	28.92	27.94	27.36	27.56	28.26	29.10
19	30.95	31.53	31.58	31.32	30.79	30.04	28.90	27.89	27.35	27.58	28.29	29.12
20	30.95	31.54	31.57	31.31	30.79	30.00	28.87	27.86	27.35	27.61	28.31	29.13
21	30.96	31.55	31.58	31.27	30.75	29.97	28.84	27.82	27.34	27.62	28.34	29.12
22	31.00	31.55	31.59	31.27	30.69	30.00	28.80	27.78	27.36	27.62	28.37	29.19
23	31.02	31.56	31.56	31.25	30.64	29.96	28.69	27.76	27.36	27.64	28.41	29.23
24	31.03	31.60	31.55	31.26	30.63	29.89	28.65	27.75	27.33	27.65	28.46	29.26
25	31.03	31.64	31.53	31.26	30.62	29.91	28.67	27.72	27.32	27.69	28.49	29.27
26	31.07	31.63	31.52	31.25	30.64	29.88	28.65	27.69	27.35	27.72	28.50	29.27
27	31.10	31.65	31.50	31.22	30.60	29.77	28.60	27.69	27.36	27.76	28.51	29.29
28	31.11	31.64	31.46	31.21	30.53	29.78	28.56	27.65	27.34	27.80	28.53	29.31
29	31.12	31.64	31.45	31.20	---	29.77	28.53	27.60	27.34	27.82	28.56	29.34
30	31.15	31.69	31.47	31.17	---	29.72	28.48	27.57	27.36	27.83	28.59	29.36
31	31.17	---	31.46	31.17	---	29.65	---	27.56	---	27.84	28.62	---
MEAN	30.86	31.45	31.63	31.30	30.88	30.11	29.05	27.97	27.41	27.55	28.22	29.03
MAX	31.17	31.69	31.76	31.44	31.14	30.49	29.63	28.44	27.57	27.84	28.62	29.36
MIN	30.52	31.17	31.45	31.17	30.53	29.65	28.48	27.56	27.32	27.36	27.88	28.65

## 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 mi 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, depth 200 ft, cased to 98 ft, open hole 98 ft to 200 ft.

DATUM.--Land-surface datum is 125 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.8 ft above land-surface datum.

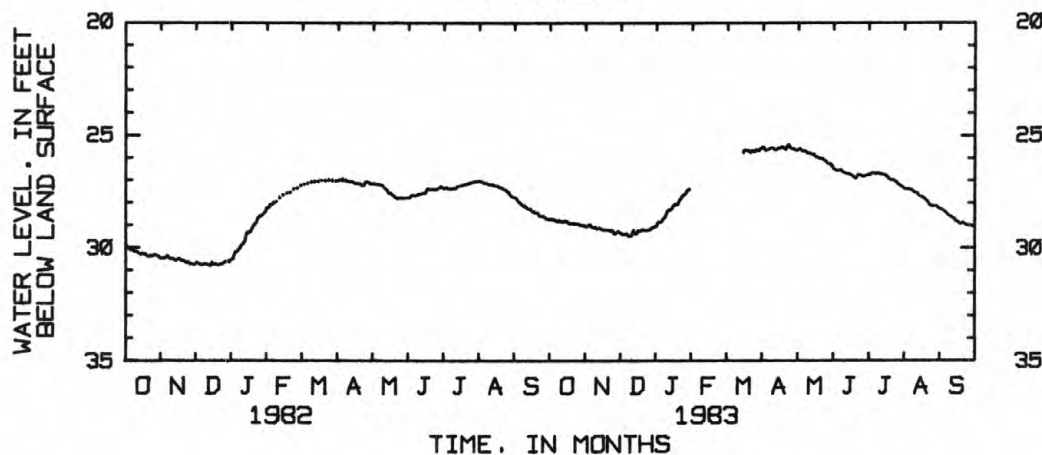
PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 25.43 below land-surface datum, Apr. 24, 1983; lowest, 30.91 ft below land-surface datum, July 31, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.74	29.06	29.38	29.03		---	25.61	25.68	26.42	26.78	27.37	28.30
2	28.72	29.06	29.42	28.90		---	25.54	25.68	26.52	26.78	27.41	28.30
3	28.75	29.03	29.43	28.85		---	25.56	25.64	26.56	26.79	27.42	28.32
4	28.77	28.98	29.42	28.88		---	25.64	25.60	26.57	26.72	27.41	28.37
5	28.79	29.05	29.39	28.85		---	25.66	25.65	26.62	26.70	27.42	28.40
6	28.82	29.10	29.39	28.80		---	25.64	25.70	26.60	26.68	27.43	28.44
7	28.83	29.12	29.46	28.70		---	25.64	25.74	26.58	26.71	27.43	28.47
8	28.82	29.13	29.51	28.66		---	25.61	25.71	26.56	26.74	27.46	28.53
9	28.80	29.14	29.50	28.56		---	25.58	25.73	26.61	26.71	27.49	28.59
10	28.81	29.16	29.48	28.41		---	25.57	25.79	26.68	26.69	27.54	28.63
11	28.85	29.17	29.36	28.34		---	25.59	25.82	26.71	26.71	27.57	28.65
12	28.86	29.14	29.23	28.31		---	25.63	25.82	26.72	26.75	27.57	28.68
13	28.85	29.16	29.38	28.32		---	25.66	25.83	26.73	26.76	27.59	28.72
14	28.82	29.19	29.41	28.27		---	25.65	25.86	26.74	26.77	27.67	28.73
15	28.83	29.20	29.34	28.16		---	25.59	25.87	26.74	26.77	27.72	28.81
16	28.85	29.24	29.25	28.13		25.78	25.58	25.86	26.77	26.79	27.75	28.86
17	28.91	29.23	29.25	28.08		25.68	25.59	25.94	26.81	26.82	27.77	28.88
18	28.94	29.22	29.27	28.07		25.64	25.54	26.00	26.83	26.87	27.79	28.91
19	28.94	29.23	29.21	28.07		25.70	25.53	26.02	26.87	26.91	27.83	28.95
20	28.94	29.24	29.20	28.00		25.71	25.59	26.03	26.91	26.97	27.88	28.95
21	28.93	29.25	29.21	27.86		25.67	25.62	26.06	26.95	27.01	27.94	28.89
22	28.94	29.25	29.24	27.80		25.77	25.64	26.06	26.86	27.03	27.99	28.92
23	28.95	29.24	29.25	27.69		25.79	25.50	26.07	26.78	27.01	28.07	28.97
24	28.95	29.26	29.23	27.67		25.68	25.43	26.09	26.80	27.04	28.14	29.01
25	28.95	29.39	29.23	27.64		25.71	25.51	26.15	26.79	27.07	28.18	29.03
26	28.98	29.39	29.21	27.58		25.76	25.58	26.18	26.82	27.12	28.18	29.03
27	29.01	29.36	29.18	27.49		25.65	25.62	26.23	26.86	27.17	28.18	29.03
28	29.02	29.32	29.14	27.43		25.64	25.63	26.29	26.86	27.22	28.17	29.04
29	29.02	29.28	29.09	27.42		25.69	25.65	26.30	26.84	27.26	28.17	29.05
30	29.03	29.35	29.08	---		25.69	25.67	26.29	26.81	27.29	28.20	29.08
31	29.06	---	29.06	---		25.59	---	26.33	---	27.32	28.26	---
MEAN	28.89	29.20	29.30				25.60	25.94	26.73	26.90	27.77	28.75
MAX	29.06	29.39	29.51				25.67	26.33	26.95	27.32	28.26	29.08
MIN	28.72	28.98	29.06				25.43	25.60	26.42	26.68	27.37	28.30

## HYDROGRAPH





## GROUND WATER LEVELS

## 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 northeast and 80 ft northwest of intersection of State Road 44 and State Road 10, 0.4 mi 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 observation artesian well, diameter 6 in, depth 190 ft, cased to 85.5 ft, open hole 85.5 ft to 190 ft.

DATUM.--Land-surface datum is 45 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.7 ft above land-surface datum.

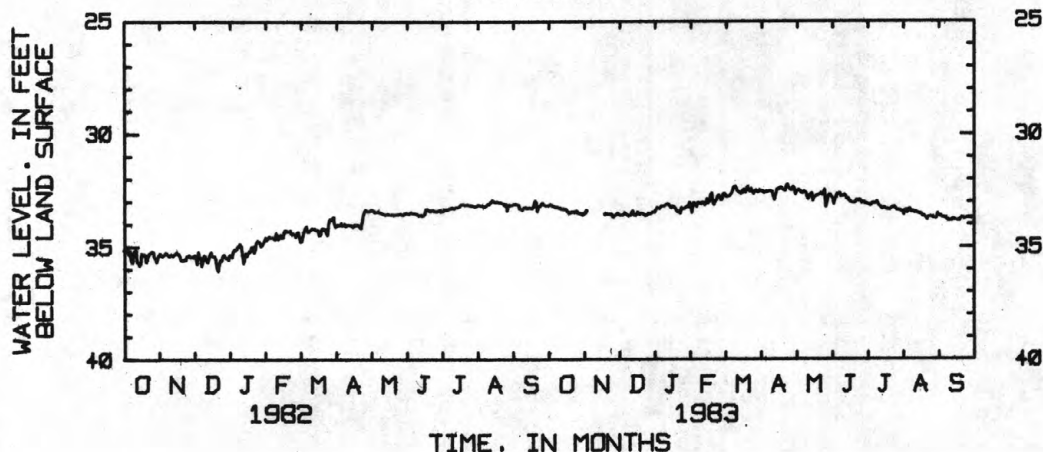
PERIOD OF RECORD.--May 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 32.26 ft below land-surface datum, Apr. 24, 1983; lowest, 36.48 ft below land-surface datum, Jan. 4, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.18	33.51	33.62	33.39	33.50	32.65	32.56	32.71	32.80	33.11	33.46	33.62
2	33.13	33.41	33.60	33.26	33.08	32.73	32.55	32.56	32.88	33.15	33.62	33.67
3	33.15	---	33.62	33.29	33.08	32.80	32.55	32.52	33.14	33.16	33.40	33.66
4	33.20	---	33.57	33.32	33.17	32.78	32.65	32.51	32.86	33.20	33.38	33.72
5	33.22	---	33.50	33.25	33.23	32.77	32.58	32.55	32.82	33.17	33.51	33.74
6	33.25	---	33.56	33.21	33.05	32.71	32.55	32.63	32.66	33.08	33.38	33.74
7	33.26	---	33.61	33.20	33.05	32.64	32.58	32.64	32.67	33.07	33.33	33.73
8	33.24	---	33.64	33.21	33.12	32.52	32.54	32.57	32.64	33.10	33.47	33.83
9	33.28	---	33.62	33.16	33.12	32.37	32.54	32.60	32.79	33.06	33.45	33.81
10	33.28	---	33.62	33.13	33.02	32.34	32.56	32.65	32.77	33.01	33.46	33.89
11	33.32	---	33.50	33.10	33.03	32.42	32.59	32.84	32.75	33.14	33.52	33.85
12	33.35	---	33.40	33.13	33.17	32.55	32.83	32.91	32.71	33.23	33.47	33.88
13	33.31	---	33.61	33.20	33.07	32.58	32.95	32.76	32.77	33.26	33.51	33.81
14	33.36	---	33.63	33.28	32.89	32.62	32.70	32.69	32.89	33.35	33.54	33.79
15	33.34	---	33.57	33.21	33.08	32.66	32.48	32.65	32.87	33.34	33.55	33.82
16	33.39	---	33.48	33.27	33.00	32.64	32.44	32.99	32.97	33.28	33.56	---
17	33.46	33.57	33.56	33.26	32.73	32.51	32.47	32.84	33.03	33.31	33.59	33.89
18	33.51	33.55	33.58	33.34	32.63	32.48	32.39	32.79	33.06	33.37	33.67	33.83
19	33.50	33.55	33.53	33.43	33.00	32.61	32.42	32.74	33.07	33.35	33.65	33.86
20	33.48	33.57	33.54	33.48	33.15	32.50	32.48	32.73	33.06	33.38	33.69	33.77
21	33.46	33.57	33.56	33.42	33.01	32.35	32.51	32.71	33.06	33.39	33.76	33.72
22	33.46	33.58	33.61	33.54	32.93	32.50	32.55	32.68	32.98	33.32	33.82	33.76
23	33.47	33.55	33.64	33.27	32.79	32.57	32.34	32.64	32.96	33.27	33.69	33.78
24	33.42	33.61	33.61	33.34	32.72	32.44	32.26	32.72	33.00	33.30	33.68	33.76
25	33.45	33.69	33.56	33.31	32.79	32.56	32.39	32.69	32.94	33.25	33.67	33.74
26	33.53	33.64	33.53	33.29	32.95	32.67	32.47	32.51	33.00	33.34	33.72	33.74
27	33.51	33.60	33.56	33.25	32.87	32.56	32.51	33.27	33.10	33.40	33.68	33.72
28	33.56	33.55	33.53	33.21	32.68	32.51	32.50	33.08	33.04	33.40	33.76	33.74
29	33.56	33.51	33.47	33.26	---	32.59	32.37	32.76	33.06	33.43	33.77	33.72
30	33.59	33.59	33.46	33.04	---	32.60	32.46	32.71	33.11	33.41	33.75	33.73
31	33.54	---	33.49	33.20	---	32.51	---	32.71	---	33.46	33.56	---
MEAN	33.38		33.56	33.27	33.00	32.57	32.53	32.72	32.92	33.26	33.58	
MAX	33.59		33.64	33.54	33.50	32.80	32.95	33.27	33.14	33.46	33.82	
MIN	33.13		33.40	33.04	32.63	32.34	32.26	32.51	32.64	33.01	33.33	

## HYDROGRAPH



## HORRY COUNTY

335115079033500. Local number, HO-307.

LOCATION.--Lat 33°50'58", long 79°03'27", Hydrologic Unit 03040206, 0.75 mi 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 observation artesian well, diameter 8 in, depth 438 ft, screen placement unknown.

DATUM.--Land-surface datum is 20 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

REMARKS.--Record estimated Nov. 9-18, Nov. 24 to Dec. 31, 1981, Jan. 1-4, 10-27, Feb. 14 to Mar. 21, Mar. 24 to May 16, 1982.

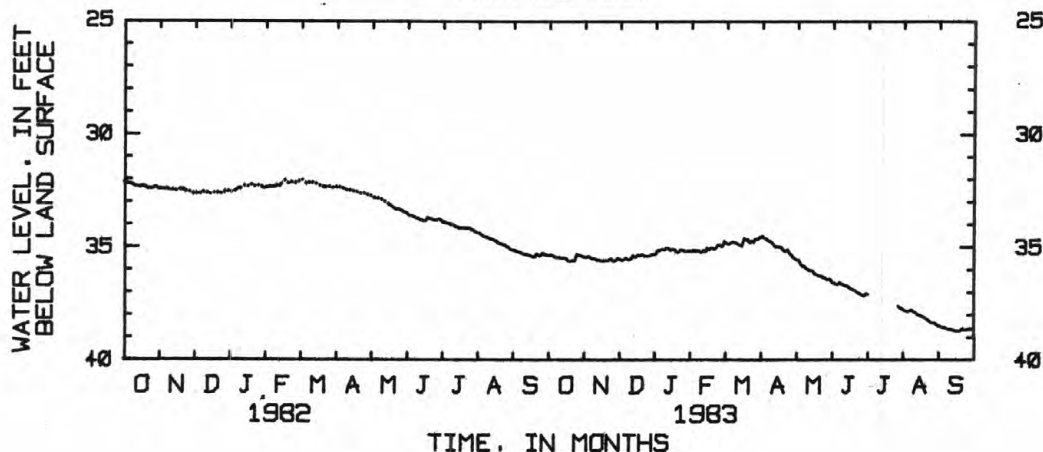
PERIOD OF RECORD.--May 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 11.91 ft below land-surface datum, Oct. 12, 1974; lowest, 38.72 ft below land-surface datum, Sept. 16, 19, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.37	35.44	35.56	35.30	35.19	34.75	34.59	35.56	36.51	37.07	37.76	38.51
2	35.36	35.44	35.58	35.17	35.14	34.81	34.53	35.58	36.59	37.09	37.79	38.50
3	35.38	35.45	35.58	35.14	35.14	34.86	34.53	35.59	36.62	---	37.82	38.53
4	35.38	35.42	35.56	35.18	35.21	34.89	34.61	35.62	36.63	---	37.84	38.56
5	35.41	35.46	35.52	35.12	35.16	34.89	34.64	35.71	36.67	---	37.86	38.57
6	35.45	35.51	35.50	35.11	35.19	34.84	34.67	35.80	36.68	---	37.85	38.57
7	35.46	35.52	35.55	35.10	35.17	34.80	34.72	35.85	36.63	---	37.82	38.58
8	35.47	35.52	35.57	35.12	35.23	34.77	34.74	35.85	36.57	---	37.79	38.61
9	35.45	35.53	35.55	35.11	35.23	34.78	34.76	35.90	36.62	---	37.80	38.65
10	35.46	35.56	35.55	35.06	35.21	34.82	34.78	35.96	36.67	---	37.83	38.65
11	35.49	35.58	35.47	35.05	35.15	34.83	34.83	35.99	36.70	---	37.88	38.65
12	35.50	35.57	35.36	35.08	35.22	34.86	34.90	36.02	36.71	---	37.90	38.65
13	35.49	35.59	35.43	35.15	35.18	34.90	34.97	36.06	36.72	---	37.94	38.67
14	35.48	35.62	35.45	35.15	35.04	34.92	35.01	36.07	36.72	---	38.00	38.67
15	35.51	35.61	35.41	35.10	35.10	34.94	35.00	36.08	36.75	---	38.01	38.71
16	35.53	35.63	35.35	35.12	35.12	34.97	35.01	36.08	36.80	---	38.03	38.72
17	35.61	35.61	35.37	35.12	35.06	34.81	35.04	36.16	36.84	---	38.05	38.71
18	35.64	35.60	35.39	35.17	35.06	34.62	35.03	36.22	36.86	---	38.07	38.71
19	35.63	35.60	35.35	35.23	35.07	34.69	35.06	36.25	36.89	---	38.10	38.72
20	35.61	35.60	35.34	35.25	35.10	34.69	35.12	36.26	36.91	---	38.13	38.71
21	35.60	35.59	35.36	35.20	35.08	34.66	35.17	36.29	36.94	---	38.17	38.65
22	35.61	35.55	35.40	35.13	35.01	34.77	35.22	36.29	36.97	---	38.20	38.62
23	35.61	35.53	35.39	35.12	34.91	34.82	35.20	36.30	37.02	---	38.23	38.66
24	35.47	35.55	35.40	35.14	34.92	34.75	35.13	36.33	37.04	---	38.29	38.68
25	35.32	35.64	35.41	35.17	34.90	34.76	35.22	36.39	37.06	---	38.32	38.67
26	35.37	35.62	35.39	35.21	34.97	34.81	35.30	36.39	37.11	---	38.35	38.64
27	35.38	35.59	35.38	35.19	34.96	34.70	35.36	36.41	37.14	---	38.37	38.63
28	35.39	35.56	35.34	35.18	34.90	34.64	35.41	36.45	37.16	37.64	38.37	38.63
29	35.41	35.50	35.32	35.20	---	34.66	35.48	36.45	37.18	37.67	38.38	38.63
30	35.43	35.55	35.33	35.17	---	34.65	35.52	36.43	37.10	37.71	38.43	38.64
31	35.45	---	35.32	35.19	---	34.57	---	36.45	---	37.74	38.46	---
MEAN	35.47	35.55	35.43	35.15	35.09	34.78	34.99	36.09	36.83		38.06	38.64
MAX	35.64	35.64	35.58	35.30	35.23	34.97	35.52	36.45	37.18		38.46	38.72
MIN	35.32	35.42	35.32	35.05	34.90	34.57	34.53	35.56	36.51		37.76	38.50

## HYDROGRAPH



## GROUND WATER LEVELS

## HORRY COUNTY

334747078435400. Local number, HO-433.

LOCATION.--Lat 33°47'47", Long 78°43'54", Hydrologic Unit 03040207, Windy Hill Park.

Owner: City of North Myrtle Beach.

AQUIFER.--Peedee and Black Creek Formations.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in to 70 ft to 480 ft, 2 in to 512 ft, depth 512 ft, screened intervals 450-480 ft, 490-510 ft.

DATUM.--Land-surface datum is 20 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, .30 ft above land-surface datum.

REMARKS.--Record estimated Oct. 26 to Nov. 15, Dec. 3-31, 1981, Jan. 1-4, Mar. 16-22, Apr. 30 to May 16, Aug. 11-24, 1982.

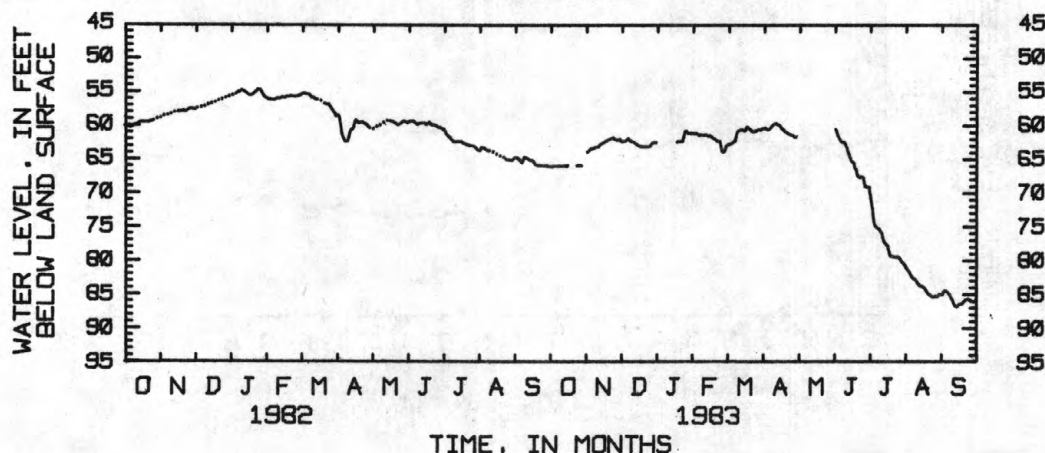
PERIOD OF RECORD.--June 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.17 ft below land-surface datum, Dec. 16, 1977; lowest, 86.91 ft below land-surface datum, Sept. 14, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66.28	64.11	62.63	---	61.45	63.17	60.64	---	69.39	80.90	85.11	
2	66.24	63.99	62.54	---	61.39	63.04	60.66		60.83	70.43	81.20	85.10
3	66.19	63.81	62.51	---	61.37	62.96	60.60		61.08	71.46	81.45	84.77
4	66.19	63.64	62.45	---	61.55	62.91	60.77		61.53	72.52	81.66	84.49
5	66.19	63.64	62.29	---	61.68	62.86	60.85		61.99	74.23	81.94	84.54
6	66.20	63.62	62.09	---	61.63	62.72	60.78		62.30	74.89	82.25	84.74
7	66.20	63.51	62.28	---	61.57	62.56	60.67		62.59	75.21	82.55	84.84
8	66.19	63.40	62.52	---	61.62	62.50	60.47		62.74	75.37	82.78	85.06
9	66.19	63.38	62.60	---	61.67	61.93	60.24		62.74	75.44	82.88	85.41
10	66.19	63.36	62.65	---	61.66	61.17	60.06		62.84	75.57	82.99	85.74
11	66.18	63.34	62.75	---	61.55	60.96	59.94		63.17	75.89	83.21	86.10
12	66.18	63.03	62.83	---	61.69	60.87	59.92		63.55	76.13	83.50	86.47
13	66.17	62.88	63.00	---	61.82	60.83	60.01		64.06	76.88	83.73	86.77
14	66.16	62.83	63.14	---	61.70	60.84	60.16		64.49	77.33	83.85	86.91
15	66.15	62.71	63.24	---	61.76	60.91	60.28		65.01	77.62	83.91	86.82
16	---	62.63	63.32	---	61.93	61.03	60.42		65.60	77.83	83.98	86.58
17	---	62.50	63.33	62.64	62.08	60.91	60.67		65.67	77.98	84.07	86.48
18	---	62.39	63.37	62.57	62.22	60.44	60.83		65.83	78.63	84.26	86.49
19	---	62.32	63.37	62.57	62.29	60.46	60.98		66.58	79.16	84.50	86.44
20	---	62.23	63.37	62.58	62.40	60.69	61.18		66.79	79.48	84.77	86.27
21	---	62.15	63.39	62.57	62.57	60.79	61.26		67.56	79.53	85.02	86.05
22	---	62.07	63.39	62.54	62.57	60.99	61.35		67.86	79.59	85.15	85.85
23	66.14	62.01	63.34	61.92	62.60	61.17	61.52		67.86	79.62	85.27	85.80
24	66.11	62.10	63.28	61.08	63.31	61.19	61.56		67.87	79.62	85.41	85.76
25	66.08	62.30	63.28	61.02	64.09	61.12	61.69		67.87	79.62	85.50	85.87
26	66.10	62.33	63.00	61.24	64.16	61.07	61.70		68.01	79.64	85.43	85.92
27	66.15	62.34	62.76	61.39	63.98	60.97	61.77		68.74	79.72	85.33	86.03
28	---	62.33	62.72	61.39	63.61	60.85	61.98		69.31	79.92	85.40	86.16
29	---	62.23	62.72	61.40	---	60.85	61.97		69.34	80.24	85.35	86.20
30	---	62.50	62.72	61.39	---	60.88	---		69.36	80.39	85.12	85.98
31	---	---	---	61.40	---	60.74	---		---	80.60	85.06	---
MEAN		62.86	62.90		62.21	61.43				77.09	83.82	85.83
MAX		64.11	63.39		64.16	63.17				80.60	85.50	86.91
MIN		62.01	62.09		61.37	60.44				69.39	80.90	84.49

## HYDROGRAPH



## JASPER COUNTY

323111080592000. Local number, JAS-144.

LOCATION.--Lat 32°31'11", long 80°59'20", Hydrologic Unit 03050208, 3.5 mi northwest of Ridgeland, 200 ft north of State Road 175, 0.1 mi east of the intersection of State Road 39 and State Road 175 and 1.6 mi west of the intersection of State Road 175 and U.S. Hwy. 17.

Owner: Ted Roach.

AQUIFER.--Hawthorn Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 189 ft, cased to 104 ft, open hole 104 ft to 189 ft.

DATUM.--Land-surface datum is 82 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.6 ft above land-surface datum.

REMARKS.--Record estimated Dec. 25, 1981-Jan. 4, 1982, Jan. 30-Feb. 7, May 26-June 5, June 13-26, July 12-17, Aug. 13-17, 1982.

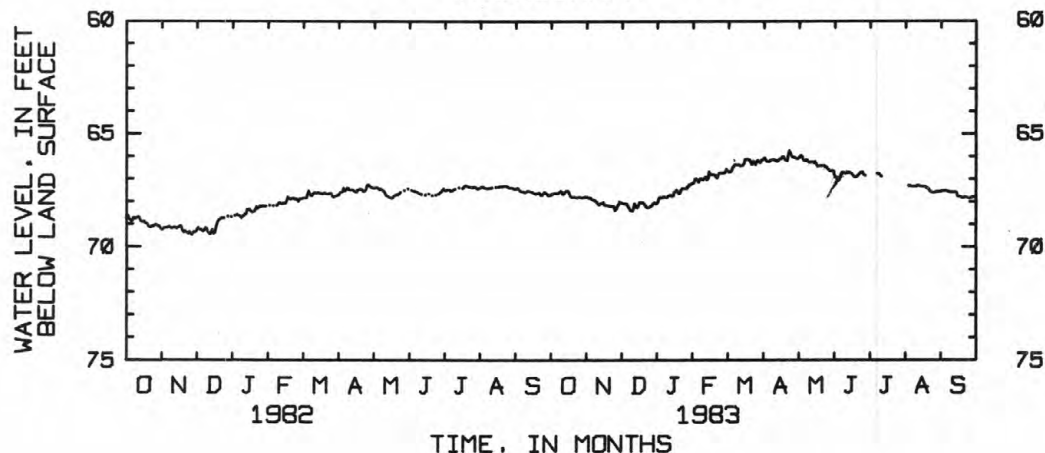
PERIOD OF RECORD.--February 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 64.78 ft below land-surface datum, Apr. 15, 1975; lowest, 69.5 ft below land-surface datum, Nov. 26, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET). WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67.73	67.81	68.09	68.04	67.17	66.59	66.18	66.15	66.71	---	---	67.57
2	67.66	67.85	68.11	67.87	67.01	66.67	66.11	66.11	66.91	---	---	67.54
3	67.64	67.86	68.12	67.80	67.00	66.72	66.08	66.04	66.97	---	---	67.54
4	67.62	67.85	68.11	67.84	67.09	66.71	66.21	65.98	66.97	---	67.34	67.54
5	67.63	67.93	68.13	67.83	67.17	66.69	66.26	66.06	67.09	---	67.34	67.54
6	67.64	67.96	68.20	67.79	67.02	66.58	66.26	66.17	67.04	---	67.34	67.55
7	67.64	67.96	68.30	67.80	66.99	66.48	66.24	66.24	66.92	---	67.36	67.57
8	67.61	67.98	68.40	67.83	67.06	66.39	66.19	66.20	66.76	66.80	67.36	67.60
9	67.56	68.04	68.41	67.83	67.06	66.39	66.17	66.18	66.74	66.82	67.36	67.61
10	67.59	68.10	68.44	67.77	66.97	66.39	66.16	66.26	66.76	66.80	67.36	67.61
11	67.68	68.16	68.30	67.73	66.92	66.39	66.17	66.31	66.77	66.87	67.36	67.61
12	67.68	68.14	68.10	67.73	67.07	66.41	66.20	66.30	66.75	66.92	67.33	67.61
13	67.59	68.09	68.25	67.79	67.02	66.44	66.25	66.28	66.75	---	67.32	67.61
14	67.55	68.10	68.30	67.75	66.70	66.43	66.23	66.31	66.75	---	67.34	67.61
15	67.54	68.05	68.21	67.59	66.83	66.42	66.17	66.33	66.76	---	67.36	67.63
16	67.56	68.19	68.06	67.57	66.84	66.35	66.12	66.27	66.78	---	67.37	67.80
17	67.70	68.19	68.05	67.50	66.82	66.17	66.14	66.36	66.83	---	67.37	67.80
18	67.80	68.18	68.08	67.56	66.83	66.14	66.04	66.48	66.90	---	67.38	67.82
19	67.83	68.20	68.06	67.65	66.86	66.14	66.04	66.47	66.95	---	67.38	67.86
20	67.82	68.22	68.10	67.64	66.96	66.19	66.16	66.44	66.94	---	67.44	67.86
21	67.82	68.23	68.18	67.49	66.97	66.17	66.21	66.46	66.94	---	67.46	67.84
22	67.83	68.24	68.27	67.43	66.83	66.31	66.22	66.44	66.86	---	67.50	67.83
23	67.86	68.23	68.29	67.43	66.76	66.39	65.98	66.44	66.81	---	67.58	67.83
24	67.83	68.25	68.28	67.43	66.76	66.22	65.76	66.44	66.76	---	67.61	67.86
25	67.80	68.41	68.26	67.43	66.76	66.29	65.88	66.50	66.73	---	67.64	67.88
26	67.82	68.36	68.22	67.42	66.76	66.41	66.01	66.51	66.75	---	67.64	67.87
27	67.84	68.23	68.19	67.34	66.76	66.26	66.07	66.57	66.84	---	67.62	67.85
28	67.84	68.15	68.10	67.26	66.70	66.20	66.09	66.64	66.89	---	67.58	67.83
29	67.83	68.02	68.06	67.27	---	66.29	66.11	66.69	---	---	67.58	67.82
30	67.82	68.07	68.11	67.22	---	66.32	66.13	66.67	---	---	67.58	67.82
31	67.81	---	68.11	67.20	---	66.19	---	66.66	---	---	67.58	---
MEAN	67.72	68.10	68.19	67.61	66.92	66.38	66.13	66.35				67.71
MAX	67.86	68.41	68.44	68.04	67.17	66.72	66.26	66.69				67.88
MIN	67.54	67.81	68.05	67.20	66.70	66.14	65.76	65.98				67.54

## HYDROGRAPH





## GROUND WATER LEVELS

## KERSHAW COUNTY

341004080474000. Local number, KER-100.

LOCATION.--Lat 34°10'04", long 80°47'40", Hydrologic Unit 03050104, 100 ft east of junction at SC-102 and SC-275 in Elgin.

Owner: Town of Elgin.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in, depth 233 ft, screened intervals 110-115 ft, 151-156 ft, 166-171 ft, 181-186 ft, 198-203 ft, 223-228 ft.

DATUM.--Land-surface datum is 405 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1 ft above land-surface datum.

REMARKS.--Caliper logged Aug. 17, 1978, depth 218 ft. Gamma logged Aug. 10, 1978, depth 219 ft.

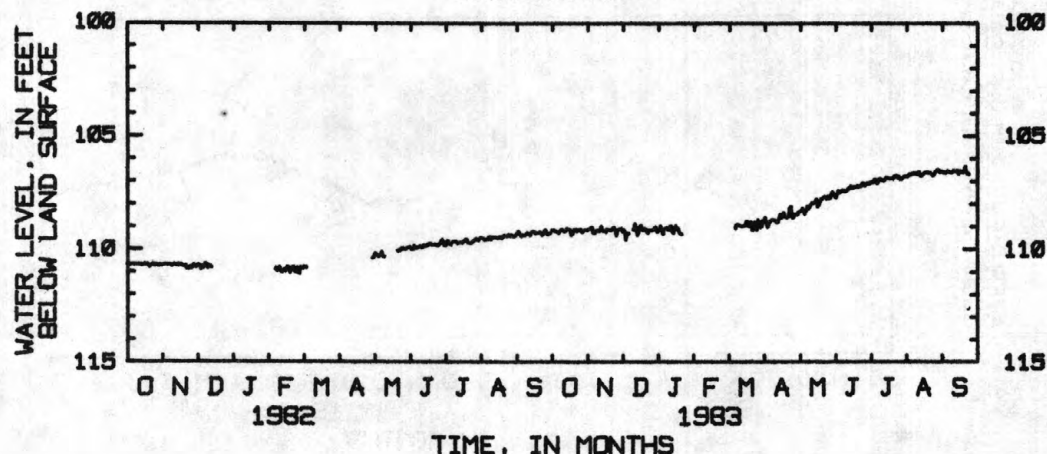
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 106.38 ft below land-surface datum, Sept. 21, 1983; lowest, 111.09 ft below land-surface datum, Feb. 26, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109.18	109.10	109.18	109.13		---	108.81	108.36	107.69	107.07	106.80	106.61
2	109.16	109.08	109.21	108.98		---	108.59	108.33	107.74	107.04	106.79	106.60
3	109.23	109.04	109.16	109.17		---	108.82	108.30	107.57	107.05	106.75	106.64
4	109.22	109.05	109.08	109.34		---	109.05	108.20	107.43	107.01	106.71	106.65
5	109.25	109.30	109.00	109.10		---	108.93	108.34	107.52	106.93	106.71	106.60
6	109.30	109.30	109.16	109.09		---	108.79	108.44	107.46	106.98	106.68	106.58
7	109.22	109.20	109.36	109.06		109.09	108.74	108.32	107.42	107.11	106.65	106.59
8	109.16	109.17	109.31	109.15		108.96	108.69	108.12	107.43	107.06	106.68	106.64
9	109.12	109.18	109.13	109.12		108.90	108.71	108.23	107.44	106.91	106.67	106.65
10	109.19	109.22	109.14	109.01		108.94	108.72	108.16	107.44	106.90	106.71	106.59
11	109.24	109.15	108.88	108.98		108.95	108.75	108.05	107.42	106.98	106.66	106.55
12	109.20	109.01	109.05	109.22		109.00	108.82	107.97	107.37	106.98	106.60	106.57
13	109.08	109.21	109.40	109.30		109.01	108.77	107.99	107.34	106.97	106.75	106.57
14	109.12	109.21	109.28	109.12		108.97	108.65	107.95	107.27	106.92	106.79	106.55
15	109.13	109.20	109.05	108.97		108.96	108.47	107.91	107.22	106.85	106.72	106.70
16	109.18	109.27	108.95	109.12		108.95	108.62	107.81	107.31	106.86	106.69	106.62
17	109.39	109.12	109.17	109.09		108.77	108.56	108.13	107.31	106.89	106.65	106.57
18	109.34	109.15	109.18	109.25		108.77	108.40	108.05	107.24	106.89	106.62	106.61
19	109.21	109.17	109.09	109.33		108.99	108.57	107.89	107.24	106.89	106.63	106.63
20	109.13	109.17	109.11	109.35		108.99	108.60	107.79	107.24	106.89	106.64	106.55
21	109.12	109.13	109.23	---		108.80	108.61	107.78	107.22	106.87	106.65	106.38
22	109.22	109.05	109.30	---		109.17	108.56	107.70	107.24	106.79	106.66	106.66
23	109.19	109.05	109.18	---		109.14	108.22	107.69	107.22	106.83	106.69	106.72
24	109.12	109.19	109.17	---		108.80	108.13	107.77	107.13	106.77	106.77	106.73
25	109.12	109.41	109.19	---		109.07	108.59	107.78	107.08	106.83	106.73	106.78
26	109.25	109.18	109.16	---		109.16	108.63	107.68	107.19	106.85	106.63	106.84
27	109.23	109.12	109.15	---		108.69	108.52	107.76	107.19	106.92	106.56	106.89
28	109.16	109.10	109.04	---		108.81	108.47	107.73	107.10	106.91	106.51	106.90
29	109.15	109.09	109.06	---		109.05	108.48	107.56	107.08	106.86	106.55	106.90
30	109.18	109.24	109.25	---		108.99	108.45	107.49	107.12	106.82	106.63	106.90
31	109.17	---	109.21	---		108.73	---	107.57	---	106.79	106.59	---
MEAN	109.19	109.16	109.16				108.62	107.96	107.32	106.92	106.67	106.66
MAX	109.39	109.41	109.40				109.05	108.44	107.74	107.11	106.80	106.90
MIN	109.08	109.01	108.88				108.13	107.49	107.08	106.77	106.51	106.38

## HYDROGRAPH



## LEE COUNTY

341405080110100. Local number, LE-23.

LOCATION.--Lat 34°14'05", long 80°11'01", Hydrologic Unit 03040202, 395 ft east and 450 ft 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 observation artesian well, diameter 4 in, depth 350 ft, cased to 350 ft. Open hole end.

DATUM.--Land-surface datum is 205 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3 ft above land-surface datum.

REMARKS.--Gamma log, June 3, 1977, depth 350 ft. Record estimated Dec. 22, 1981, to Jan. 18, 1982, Feb. 21 to Mar. 9, 1982.

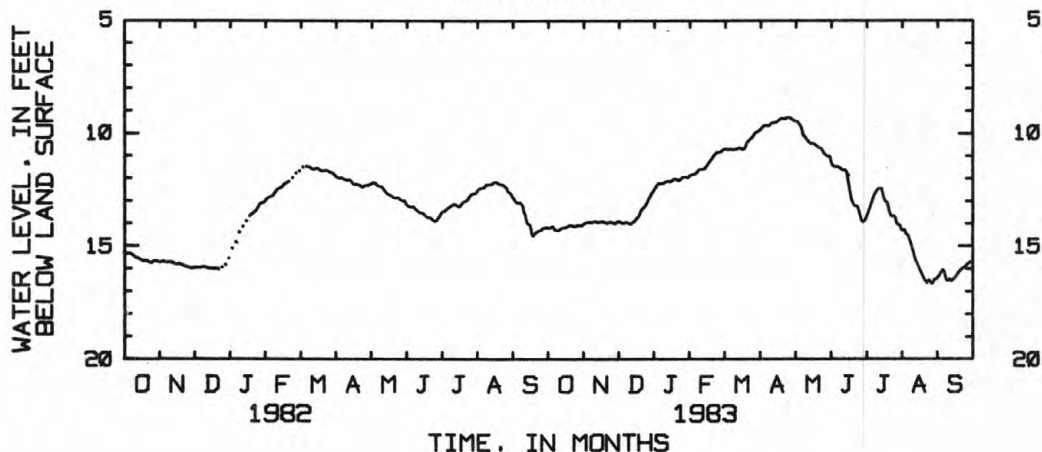
PERIOD OF RECORD.--June 1980 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 9.32 ft below land-surface datum, Apr. 26, 1983; lowest, 17.37 ft below land-surface datum, June 18, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.20	14.00	13.92	12.47	11.86	10.73	9.89	9.49	11.11	13.86	14.27	16.43
2	14.21	13.97	13.94	12.39	11.84	10.71	9.85	9.50	11.33	13.75	14.33	16.36
3	14.19	13.95	13.97	12.30	11.82	10.71	9.78	9.52	11.46	13.62	14.30	16.29
4	14.15	13.94	13.99	12.25	11.81	10.72	9.73	9.55	11.51	13.48	14.30	16.19
5	14.13	13.94	14.00	12.23	11.81	10.74	9.68	9.61	11.53	13.33	14.47	16.11
6	14.25	13.96	13.97	12.23	11.76	10.74	9.66	9.68	11.53	13.17	14.51	16.04
7	14.30	13.95	13.96	12.23	11.69	10.71	9.66	9.76	11.52	13.02	14.56	16.12
8	14.32	13.93	13.97	12.23	11.63	10.74	9.67	9.95	11.53	12.87	14.70	16.30
9	14.33	13.91	13.99	12.20	11.61	10.73	9.68	10.15	11.56	12.73	14.85	16.49
10	14.30	13.91	14.02	12.16	11.61	10.72	9.65	10.18	11.61	12.63	15.01	16.55
11	14.26	13.92	14.03	12.14	11.60	10.72	9.60	10.24	11.66	12.55	15.19	16.51
12	14.22	13.94	14.00	12.13	11.60	10.72	9.56	10.35	11.67	12.48	15.38	16.46
13	14.20	13.95	13.96	12.13	11.57	10.70	9.53	10.39	11.67	12.45	15.55	16.55
14	14.19	13.94	13.92	12.14	11.50	10.67	9.53	10.45	11.67	12.45	15.70	16.53
15	14.19	13.92	13.87	12.14	11.43	10.66	9.53	10.51	11.74	12.46	15.81	16.48
16	14.18	13.91	13.81	12.11	11.35	10.68	9.51	10.49	12.01	12.65	15.93	16.42
17	14.16	13.91	13.75	12.06	11.28	10.72	9.48	10.48	12.33	12.87	16.05	16.36
18	14.12	13.94	13.68	12.03	11.20	10.72	9.43	10.50	12.63	13.01	16.15	16.29
19	14.09	13.96	13.58	12.04	11.13	10.69	9.39	10.55	12.88	13.06	16.27	16.20
20	14.08	13.98	13.46	12.08	11.06	10.61	9.37	10.60	13.06	13.10	16.39	16.13
21	14.09	13.99	13.37	12.11	11.00	10.48	9.37	10.65	13.16	13.29	16.49	16.08
22	14.11	13.95	13.31	12.11	10.93	10.38	9.37	10.68	13.24	13.52	16.57	16.03
23	14.14	13.94	13.27	12.06	10.88	10.32	9.38	10.69	13.26	13.64	16.64	15.99
24	14.14	13.94	13.20	12.00	10.85	10.27	9.36	10.72	13.24	13.71	16.59	15.95
25	14.11	13.96	13.11	11.96	10.84	10.23	9.33	10.79	13.33	13.71	16.51	15.91
26	14.09	13.99	13.00	11.95	10.84	10.18	9.32	10.86	13.53	13.69	16.56	15.85
27	14.08	14.01	12.89	11.95	10.82	10.11	9.33	10.95	13.71	13.77	16.66	15.79
28	14.08	13.99	12.80	11.96	10.78	10.03	9.36	11.01	13.90	13.98	16.67	15.75
29	14.08	13.94	12.70	11.97	---	9.97	9.41	11.05	13.96	14.07	16.57	15.72
30	14.08	13.92	12.62	11.95	---	9.94	9.46	11.06	13.92	14.07	16.46	15.69
31	14.05	---	12.54	11.90	---	9.92	---	11.05	---	14.12	16.45	---
MEAN	14.17	13.95	13.57	12.12	11.36	10.52	9.53	10.37	12.38	13.26	15.67	16.19
MAX	14.33	14.01	14.03	12.47	11.86	10.74	9.89	11.06	13.96	14.12	16.67	16.55
MIN	14.05	13.91	12.54	11.90	10.78	9.92	9.32	9.49	11.11	12.45	14.27	15.69

## HYDROGRAPH



## GROUND WATER LEVELS

## MARION COUNTY

335143079195000. Local number, MRN-77.

LOCATION.--Lat 33°51'43", long 79°19'50", Hydrologic Unit 03040201, approximately 500 ft south of Britton Neck, SC, fire tower, near the intersection of county road 908 and U.S. 378, and 16.2 mi west of Conway, SC.

Owner: U.S. Geological Survey; on property owned by South Carolina Forestry Commission.

AQUIFER.--Sands of the Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, 0 to 322 ft, 3 in, 322 ft to 356 ft, depth 356 ft, screened intervals 325-335 ft, 345-355 ft.

DATUM.--Land-surface datum is 30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.15 ft above land-surface datum.

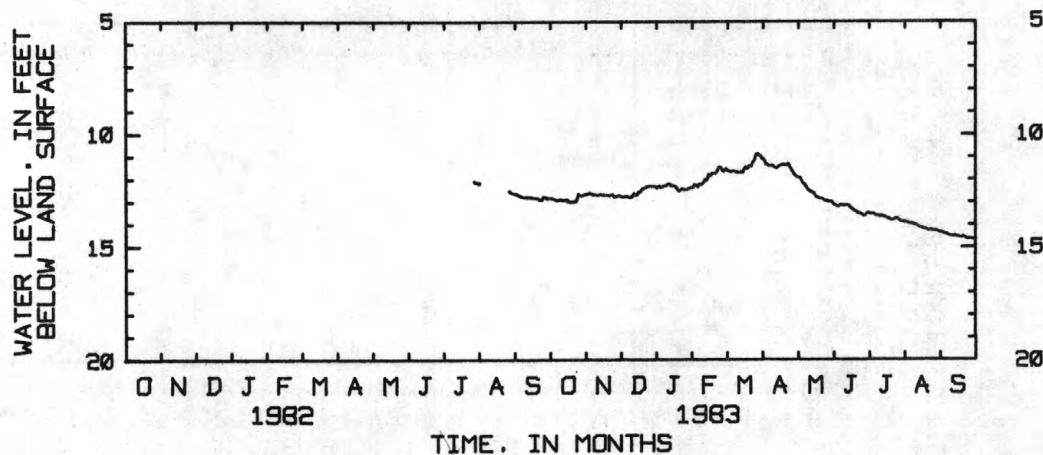
PERIOD OF RECORD.--July 1982 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 10.88 ft below land-surface datum, Mar. 28, 1983; lowest, 14.69 ft below land-surface datum, Sept. 30, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.86	12.65	12.78	12.40	12.36	11.55	11.11	11.92	13.09	13.52	13.90	14.38
2	12.86	12.65	12.80	12.32	12.25	11.62	11.14	11.95	13.16	13.54	13.92	14.38
3	12.88	12.66	12.80	12.32	12.27	11.66	11.20	11.96	13.20	13.57	13.94	14.40
4	12.89	12.62	12.78	12.38	12.33	11.68	11.31	11.99	13.21	13.56	13.95	14.43
5	12.92	12.65	12.77	12.35	12.36	11.70	11.37	12.08	13.25	13.56	13.98	14.45
6	12.94	12.69	12.77	12.33	12.25	11.67	11.41	12.18	13.25	13.56	13.99	14.46
7	12.95	12.70	12.81	12.31	12.22	11.66	11.44	12.25	13.18	13.61	13.99	14.47
8	12.94	12.69	12.83	12.30	12.24	11.67	11.44	12.28	13.17	13.65	13.99	14.50
9	12.90	12.70	12.81	12.29	12.21	11.69	11.44	12.37	13.20	13.64	14.01	14.53
10	12.91	12.72	12.81	12.23	12.14	11.72	11.44	12.45	13.21	13.64	14.05	14.54
11	12.94	12.72	12.73	12.21	12.04	11.72	11.47	12.51	13.20	13.67	14.06	14.55
12	12.94	12.69	12.64	12.25	12.08	11.73	11.52	12.56	13.18	13.63	14.07	14.55
13	12.93	12.68	12.72	12.31	12.01	11.73	11.55	12.60	13.19	13.66	14.11	14.55
14	12.91	12.71	12.72	12.32	11.82	11.71	11.54	12.60	13.20	13.68	14.15	14.51
15	12.92	12.71	12.66	12.30	11.88	11.71	11.48	12.64	13.23	13.69	14.17	14.55
16	12.94	12.73	12.57	12.34	11.85	11.72	11.45	12.67	13.28	13.71	14.19	14.57
17	13.00	12.71	12.55	12.36	11.76	11.57	11.43	12.76	13.34	13.75	14.20	14.57
18	13.02	12.71	12.53	12.43	11.76	11.49	11.38	12.83	13.37	13.77	14.22	14.60
19	13.02	12.73	12.45	12.51	11.74	11.56	11.38	12.86	13.41	13.78	14.24	14.62
20	13.01	12.73	12.40	12.55	11.74	11.54	11.39	12.88	13.45	13.81	14.25	14.61
21	13.01	12.73	12.39	12.51	11.69	11.43	11.40	12.90	13.48	13.84	14.27	14.56
22	12.97	12.70	12.38	12.44	11.61	11.47	11.42	12.90	13.51	13.83	14.30	14.58
23	12.98	12.69	12.34	12.45	11.49	11.45	11.38	12.91	13.55	13.81	14.31	14.63
24	12.86	12.72	12.32	12.49	11.50	11.31	11.36	12.94	13.56	13.81	14.26	14.66
25	12.65	12.80	12.32	12.50	11.54	11.21	11.48	12.99	13.57	13.76	14.29	14.66
26	12.71	12.78	12.31	12.50	11.64	11.14	11.59	12.97	13.61	13.76	14.30	14.65
27	12.74	12.77	12.32	12.45	11.69	10.95	11.68	12.98	13.64	13.81	14.30	14.66
28	12.73	12.74	12.32	12.41	11.63	10.88	11.75	13.02	13.64	13.85	14.30	14.66
29	12.70	12.71	12.32	12.42	---	10.94	11.83	13.02	13.65	13.89	14.31	14.68
30	12.68	12.76	12.35	12.38	---	11.00	11.88	13.02	13.55	13.91	14.34	14.69
31	12.66	---	12.37	12.38	---	11.01	---	13.04	---	13.92	14.36	---
MEAN	12.88	12.71	12.57	12.38	11.93	11.48	11.46	12.61	13.35	13.72	14.15	14.56
MAX	13.02	12.80	12.83	12.55	12.36	11.73	11.88	13.04	13.65	13.92	14.36	14.69
MIN	12.65	12.62	12.31	12.21	11.49	10.88	11.11	11.92	13.09	13.52	13.90	14.38

## HYDROGRAPH



## MARLBORO COUNTY

342935079431000. Local number, MLB-110.

LOCATION.--Lat 34°29'35", long 79°43'10", Hydrologic Unit 03040201, 154 ft north of S-35-264 and 150 ft east of S-35-57, south of railroad tracks at Oak River Mills in Bennettsville.

Owner: Oak River Mills.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in, depth 115 ft, screened interval 75-115 ft.

DATUM.--Land-surface datum is 95 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land-surface datum.

REMARKS.--1957 water-quality analysis on file in District office.

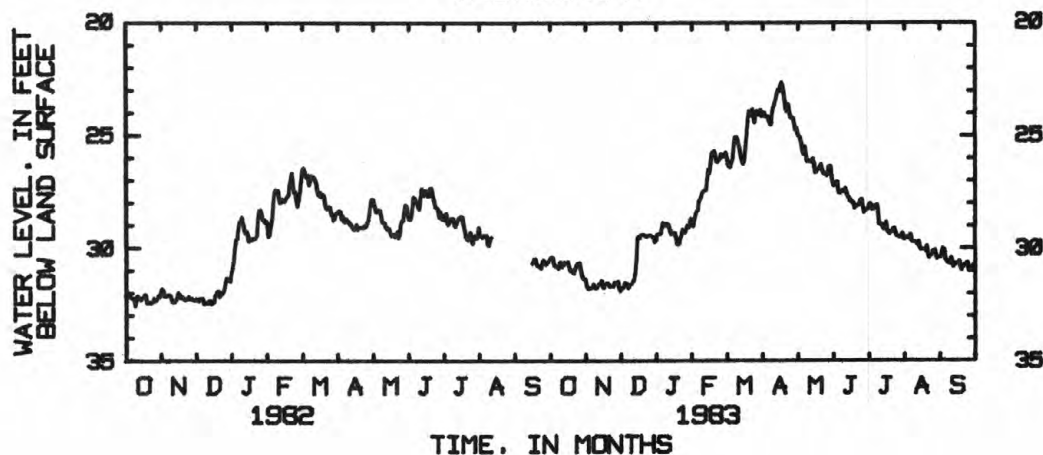
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 22.67 ft below land-surface datum, Apr. 18, 1983; lowest, 32.59 ft below land-surface datum, Oct. 9, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.48	31.65	31.81	29.41	29.05	25.77	24.18	24.73	27.08	28.29	29.60	30.41
2	30.38	31.78	31.75	29.37	28.75	25.98	23.98	24.98	27.27	28.11	29.63	30.41
3	30.46	31.83	31.73	29.37	28.55	26.28	24.00	25.07	27.16	28.04	29.54	30.17
4	30.69	31.73	31.51	29.36	28.39	26.43	24.19	25.15	27.09	28.12	29.53	30.02
5	30.81	31.78	31.57	29.11	28.33	26.46	24.17	25.35	27.08	28.32	29.59	30.07
6	30.82	31.75	31.58	28.89	27.89	26.23	24.18	25.68	27.52	28.29	29.52	30.52
7	30.83	31.58	31.77	28.93	27.85	26.08	24.32	25.86	27.60	28.18	29.41	30.56
8	30.91	31.74	31.67	29.02	27.73	25.46	24.52	25.52	27.52	28.18	29.70	30.66
9	30.61	31.78	31.61	28.92	27.53	25.09	24.58	25.86	27.47	28.09	29.75	30.64
10	30.63	31.76	31.57	28.95	27.50	25.07	24.06	26.19	27.55	28.29	29.75	30.71
11	30.84	31.63	31.48	29.05	27.44	25.18	23.80	26.18	27.50	28.96	29.74	30.42
12	30.75	31.57	31.38	29.22	27.46	25.43	23.63	26.15	27.37	28.95	29.80	30.70
13	30.62	31.61	31.12	29.39	27.04	25.59	23.43	26.21	27.58	28.97	29.87	30.84
14	30.66	31.43	30.54	29.37	26.54	25.91	23.20	26.20	27.71	29.09	29.72	30.68
15	30.63	31.68	29.54	29.34	26.70	26.15	22.99	26.06	27.81	29.19	30.02	30.70
16	30.61	31.76	29.49	29.34	26.28	26.30	23.09	26.28	27.94	29.02	30.09	30.66
17	30.81	31.60	29.56	29.50	25.79	26.19	22.83	26.70	27.95	28.86	30.06	30.66
18	31.00	31.57	29.41	29.82	25.79	25.61	22.67	26.67	28.03	29.29	30.07	30.56
19	30.98	31.53	29.41	29.85	25.69	25.05	22.82	26.56	28.01	29.32	30.07	30.86
20	31.03	31.62	29.40	29.83	25.86	24.44	23.12	26.49	28.27	29.40	30.13	30.99
21	31.11	31.71	29.43	29.57	26.16	23.92	23.51	26.50	28.16	29.29	29.91	30.77
22	30.97	31.68	29.50	29.42	26.23	24.12	23.93	26.30	28.15	29.28	30.28	30.83
23	30.79	31.67	29.50	29.17	26.11	24.16	23.98	26.57	28.13	29.15	30.44	30.72
24	30.68	31.71	29.44	29.29	26.10	23.86	23.64	26.70	28.02	29.12	30.31	30.73
25	30.80	31.52	29.43	29.33	25.84	24.13	24.02	26.77	27.90	29.33	30.32	30.63
26	30.63	31.51	29.43	29.16	25.96	24.48	24.26	26.78	27.85	29.46	30.15	30.89
27	30.93	31.57	29.48	29.01	25.98	23.97	24.22	26.83	28.21	29.51	30.20	30.96
28	31.20	31.48	29.52	29.10	25.92	23.92	24.30	26.62	28.45	29.51	30.08	30.90
29	31.33	31.73	29.53	28.93	---	24.11	24.51	26.39	28.36	29.54	30.34	30.82
30	31.40	31.90	29.75	28.70	---	24.05	24.79	26.37	28.32	29.47	30.47	30.76
31	31.37	---	29.65	28.97	---	23.88	---	26.80	---	29.36	30.42	---
MEAN	30.83	31.66	30.41	29.25	26.95	25.14	23.83	26.15	27.77	28.90	29.95	30.64
MAX	31.40	31.90	31.81	29.85	29.05	26.46	24.79	26.83	28.45	29.54	30.47	30.99
MIN	30.38	31.43	29.40	28.70	25.69	23.86	22.67	24.73	27.08	28.04	29.41	30.02

## HYDROGRAPH





## GROUND WATER LEVELS

## MARLBORO COUNTY

343715079411500. Local number, MLB-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 observation artesian well, diameter 8 in, depth 345 ft, perforated 220-320 ft, screened 320-335 ft.

DATUM.--Land-surface datum is 150 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pad, 1.20 ft above land-surface datum.

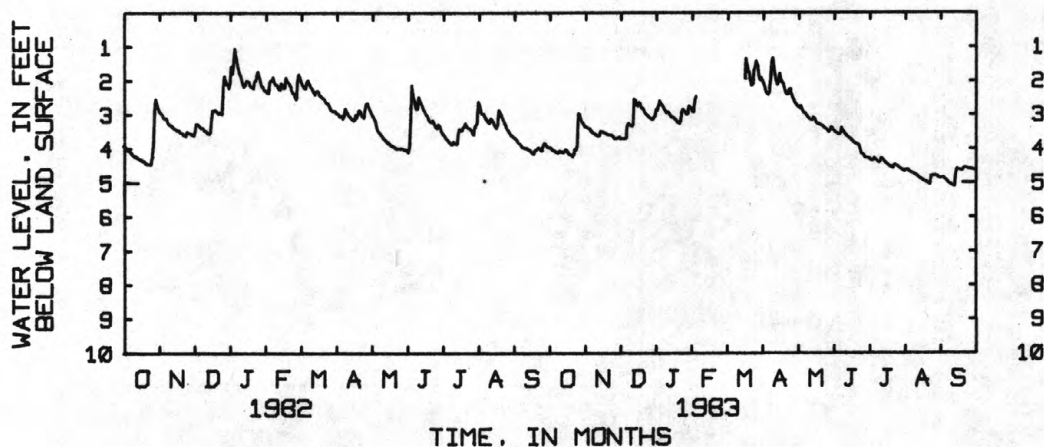
PERIOD OF RECORD.--January 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 0.85 ft below land-surface datum, Feb. 2, 1973; lowest, 5.29 ft below land-surface datum, Sept. 16, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.95	3.37	3.70	2.87	2.92	---	1.98	2.75	3.46	4.28	4.67	4.86
2	3.99	3.39	3.71	2.73	2.61	---	2.06	2.78	3.49	4.31	4.62	4.84
3	4.03	3.41	3.70	2.58	2.46	---	2.17	2.81	3.53	4.34	4.61	4.83
4	4.05	3.43	3.69	2.68	---	---	2.31	2.75	3.55	4.36	4.62	4.86
5	4.07	3.49	3.68	2.71	---	---	2.37	2.84	3.57	4.34	4.67	4.90
6	4.10	3.53	3.31	2.76	---	---	2.41	2.92	3.57	4.27	4.69	4.93
7	4.12	3.55	3.25	2.83	---	---	2.35	2.96	3.55	4.32	4.70	4.97
8	4.11	3.56	3.29	2.90	---	---	1.97	2.98	3.38	4.36	4.73	5.01
9	4.06	3.59	3.31	2.94	---	---	1.44	3.02	3.45	4.38	4.74	5.04
10	4.07	3.62	3.34	2.92	---	---	1.32	3.08	3.52	4.41	4.77	5.05
11	4.10	3.63	3.29	2.95	---	---	1.61	3.11	3.57	4.37	4.79	5.07
12	4.11	3.62	2.52	3.01	---	---	1.84	3.15	3.61	4.27	4.81	5.09
13	4.07	3.49	2.57	3.07	---	---	2.01	3.16	3.65	4.31	4.84	5.10
14	4.01	3.50	2.69	3.08	---	---	2.12	3.15	3.68	4.35	4.87	4.70
15	4.04	3.50	2.75	3.08	---	---	2.02	3.08	3.70	4.39	4.89	4.57
16	4.09	3.53	2.63	3.13	---	---	1.78	3.13	3.73	4.43	4.91	4.60
17	4.15	3.54	2.67	3.15	---	1.91	1.97	3.22	3.76	4.46	4.94	4.61
18	4.17	3.56	2.77	3.21	---	1.34	2.05	3.27	3.80	4.49	4.95	4.62
19	4.19	3.58	2.81	3.24	---	1.53	2.09	3.28	3.83	4.51	4.97	4.63
20	4.22	3.59	2.85	3.26	---	1.73	2.22	3.29	3.86	4.53	4.99	4.61
21	4.17	3.60	2.92	3.19	---	1.77	2.33	3.31	3.87	4.56	5.01	4.55
22	4.00	3.60	2.98	2.90	---	2.00	2.40	3.33	3.88	4.57	5.04	4.54
23	4.02	3.62	3.01	2.83	---	2.13	2.40	3.34	3.93	4.48	5.05	4.56
24	3.93	3.65	3.05	2.88	---	2.10	2.26	3.39	4.02	4.46	4.83	4.57
25	2.95	3.70	3.09	2.93	---	1.68	2.24	3.42	4.14	4.50	4.78	4.58
26	2.97	3.69	3.11	2.98	---	1.57	2.40	3.44	4.16	4.51	4.78	4.58
27	3.10	3.69	3.13	2.97	---	1.42	2.49	3.47	4.20	4.55	4.78	4.59
28	3.19	3.67	3.14	2.74	---	1.54	2.57	3.51	4.26	4.58	4.79	4.60
29	3.25	3.65	3.08	2.77	---	1.82	2.65	3.46	4.27	4.60	4.80	4.61
30	3.31	3.70	3.02	2.81	---	1.98	2.70	3.37	4.27	4.62	4.83	4.61
31	3.36	---	2.85	2.88	---	1.91	---	3.40	---	4.65	4.85	---
MEAN	3.87	3.57	3.09	2.93	---	---	2.15	3.17	3.78	4.44	4.82	4.76
MAX	4.22	3.70	3.71	3.26	---	---	2.70	3.51	4.27	4.65	5.05	5.10
MIN	2.95	3.37	2.52	2.58	---	---	1.32	2.75	3.38	4.27	4.61	4.54

## HYDROGRAPH



## ORANGEBURG COUNTY

332649081072500. Local number, ORG-95.

LOCATION.--Lat 33°26'49", long 81°07'25", Hydrologic Unit 03050204, 40 ft east on First Street (SC-38-628) and 70 ft north of Saxton Street (SC-38-213) in Norway.

Owner: Town of Norway.

AQUIFER.--Santee Limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in, depth 250 ft, screened intervals 173-193 ft, 200-220 ft, 228-238 ft, gravel finish.

DATUM.--Land-surface datum is 240 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.7 ft above land-surface datum.

REMARKS.--Test hole electric and gamma logged Feb. 20, 1973 to a depth of 300 ft. Gamma logged Apr. 6, 1979 to a depth of 220 ft.

Electric logged Apr. 6, 1979, depth 220 ft. Caliper logged Apr. 6, 1979, depth 220 ft. Gamma logged in 1981 to a depth of 204 ft.

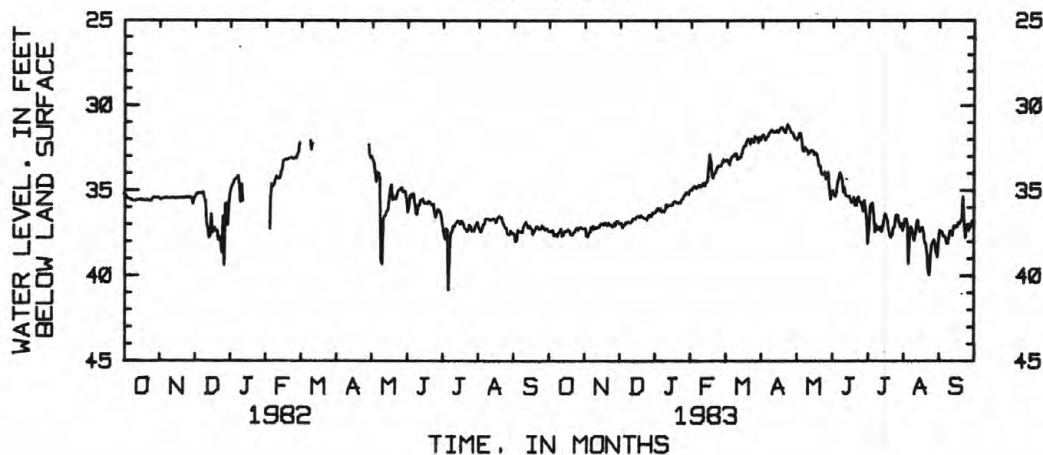
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 31.09 ft below land-surface datum, Apr. 24, 1983; lowest, 40.82 ft below land-surface datum, July 7, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.37	37.20	36.92	36.21	34.95	33.29	32.01	31.90	35.09	36.79	37.36	37.82
2	37.40	37.63	36.90	36.05	34.79	33.24	31.83	32.05	35.00	38.12	37.10	37.31
3	37.37	37.71	37.15	36.03	34.71	33.17	31.68	31.93	35.21	37.14	36.67	37.38
4	37.30	37.52	37.05	36.17	34.84	33.23	31.87	31.62	35.33	35.92	36.64	37.44
5	37.65	37.40	36.98	36.06	34.83	33.48	32.02	31.61	35.11	35.77	36.89	37.66
6	37.52	37.14	36.84	36.24	34.73	33.20	31.89	31.93	34.60	35.72	39.31	37.66
7	37.59	37.28	36.85	36.18	34.67	32.99	31.78	32.65	34.27	36.40	37.38	37.77
8	37.68	37.06	36.81	36.24	34.76	32.96	31.65	32.70	33.93	37.42	37.10	38.09
9	37.46	37.23	36.86	36.10	34.75	32.92	31.52	32.47	34.06	36.98	37.26	38.09
10	37.38	37.20	36.86	35.81	34.58	32.80	31.41	32.56	34.32	37.30	37.66	37.71
11	37.24	37.14	36.78	35.96	34.54	32.81	31.44	32.64	35.09	37.13	37.94	37.35
12	37.67	37.10	36.61	35.86	34.71	33.16	31.56	32.87	34.82	37.30	37.51	37.51
13	37.60	37.09	36.63	35.85	34.51	33.03	31.55	32.77	35.27	37.11	36.95	37.61
14	37.40	36.96	36.65	35.88	34.42	33.08	31.53	32.63	35.34	37.43	36.72	37.05
15	37.37	36.93	36.52	35.84	33.79	32.99	31.43	32.62	35.33	37.06	37.20	37.18
16	37.37	36.98	36.50	35.68	32.87	32.79	31.57	32.69	35.32	36.65	37.41	37.05
17	37.27	36.99	36.53	35.61	33.24	32.48	31.44	32.88	35.50	36.33	37.20	37.12
18	37.33	36.85	36.54	35.68	34.11	32.33	31.28	32.78	35.72	36.57	37.15	36.86
19	37.47	37.01	36.44	35.71	34.26	32.35	31.25	32.86	35.66	36.77	37.41	36.93
20	37.60	37.03	36.54	35.71	34.01	32.06	31.35	33.13	35.39	37.32	38.06	36.81
21	37.57	36.87	36.57	35.68	33.92	31.94	31.48	33.56	35.87	37.65	38.14	36.65
22	37.46	37.00	36.61	35.69	33.75	32.03	31.60	33.55	35.89	37.75	38.67	35.35
23	37.38	37.01	36.65	35.53	33.58	32.25	31.36	33.98	35.44	37.61	39.68	36.98
24	37.22	37.09	36.72	35.45	33.56	31.94	31.09	34.08	35.37	37.22	39.97	37.79
25	37.17	37.11	36.55	35.29	33.52	32.10	31.23	34.05	35.66	37.11	38.81	37.03
26	37.31	36.89	36.41	35.21	33.52	32.17	31.38	33.91	35.69	36.50	38.16	36.98
27	37.16	37.02	36.53	35.10	33.32	31.79	31.57	34.34	35.91	36.38	38.01	37.35
28	37.13	36.79	36.50	35.14	33.15	31.88	31.60	34.13	36.21	36.46	37.87	37.07
29	37.19	36.77	36.29	35.22	---	31.88	31.74	33.93	35.58	36.85	38.10	37.09
30	37.24	36.89	36.32	34.98	---	32.18	31.92	34.91	36.09	37.12	38.63	36.77
31	37.21	---	36.27	34.93	---	31.82	---	35.52	---	36.94	38.88	---
MEAN	37.39	37.10	36.66	35.71	34.16	32.59	31.57	33.07	35.27	36.93	37.80	37.25
MAX	37.68	37.71	37.15	36.24	34.95	33.48	32.02	35.52	36.21	38.12	39.97	38.09
MIN	37.13	36.77	36.27	34.93	32.87	31.79	31.09	31.61	33.93	35.72	36.64	35.35

## HYDROGRAPH



## GROUND WATER LEVELS

## 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 observation artesian well, diameter 6 in, depth 245 ft, screened 98-105 ft, 130-135 ft, 233-245 ft.

DATUM.--Land-surface datum is 390 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.37 ft above land-surface datum.

REMARKS.--Record estimated Feb. 7 to Mar. 29, 1982.

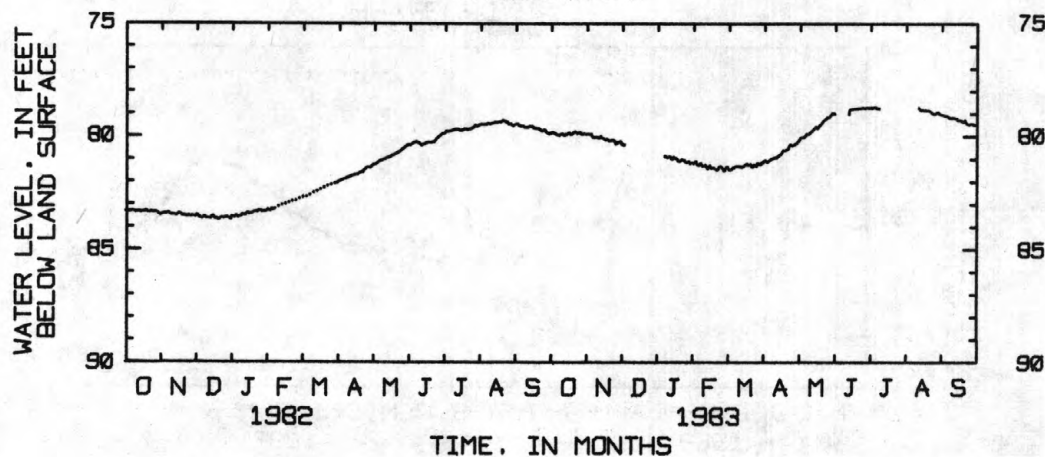
PERIOD OF RECORD.--1942-52, 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 76.03 ft below land-surface datum, Oct. 17, 1975; lowest, 95.29 ft below land-surface datum, Apr. 6, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79.88	79.92	80.39	---	81.16	81.35	81.15	80.23	79.04	78.78	---	79.10
2	79.86	79.94	80.42	---	81.12	81.46	81.07	80.18	---	78.77	---	79.11
3	79.90	79.95	---	---	81.26	81.51	81.10	80.09	---	78.77	---	79.13
4	79.92	79.95	---	---	81.31	81.49	81.15	80.06	---	78.77	---	79.15
5	79.96	80.06	---	---	81.29	81.47	81.13	80.06	---	78.74	---	79.15
6	79.99	80.09	---	80.90	81.20	81.40	81.08	80.06	---	78.74	---	79.16
7	79.98	80.08	---	80.90	81.28	81.40	81.04	80.00	---	78.80	---	79.19
8	79.96	80.08	---	80.95	81.34	81.34	81.00	79.92	---	78.81	---	79.23
9	79.93	80.09	---	80.95	81.32	81.33	80.98	79.93	---	78.79	---	79.25
10	79.92	80.11	---	80.92	81.28	81.34	80.95	79.92	---	---	---	79.24
11	79.98	80.09	---	80.93	81.37	81.34	80.94	79.87	---	---	---	79.22
12	79.98	80.03	---	81.03	81.46	81.36	80.95	79.81	---	---	78.77	79.24
13	79.93	80.12	---	81.03	81.35	81.38	80.93	79.78	79.05	---	78.84	79.27
14	79.94	80.14	---	80.93	81.30	81.35	80.87	79.73	78.89	---	78.88	79.27
15	79.89	80.16	---	81.00	81.43	81.33	80.82	79.67	78.84	---	78.87	79.35
16	79.88	80.19	---	81.00	81.42	81.31	80.80	79.61	78.82	---	78.89	79.33
17	79.96	80.17	---	81.05	81.41	81.24	80.74	79.69	78.82	---	78.88	79.34
18	79.95	80.19	---	81.12	81.46	81.23	80.65	79.65	78.81	---	78.88	79.37
19	79.90	80.22	---	81.13	81.48	81.29	80.64	79.57	78.81	---	78.90	79.41
20	79.85	80.23	---	81.08	81.52	81.28	80.63	79.51	78.80	---	78.91	79.41
21	79.83	80.22	---	81.04	81.48	81.24	80.61	79.46	78.79	---	78.91	79.34
22	79.88	80.19	---	81.07	81.37	81.35	80.59	79.39	78.79	---	78.94	79.46
23	79.89	80.21	---	81.08	81.33	81.36	80.46	79.33	78.80	---	78.98	79.51
24	79.87	80.27	---	81.16	81.38	81.26	80.38	79.29	78.78	---	79.03	79.53
25	79.85	80.37	---	81.17	81.45	81.32	80.44	79.25	78.76	---	79.06	79.52
26	79.93	80.31	---	81.16	81.55	81.34	80.44	79.18	78.78	---	79.04	79.50
27	79.94	80.30	---	81.14	81.52	81.19	80.40	79.18	78.78	---	79.01	79.49
28	79.93	80.28	---	81.22	81.38	81.21	80.37	79.16	78.77	---	78.98	79.52
29	79.92	80.26	---	81.17	---	81.26	80.33	79.08	78.76	---	78.99	79.55
30	79.95	80.38	---	81.19	---	81.24	80.29	79.01	78.78	---	79.06	79.55
31	79.95	---	---	81.22	---	81.15	---	79.00	---	---	79.08	---
MEAN	79.92	80.15			81.37	81.33	80.76	79.63				79.33
MAX	79.99	80.38			81.55	81.51	81.15	80.23				79.55
MIN	79.83	79.92			81.12	81.15	80.29	79.00				79.10

## HYDROGRAPH



## GROUND WATER LEVELS

309

## RICHLAND COUNTY

334944080380100. Local number, RIC-63.

LOCATION.--Lat 33°49'44", long 80°38'01", Hydrologic Unit 03050110, Hercules Plant, 3,600 ft east of Hwy. 601, near Wateree.

Owner: Hercules, Inc.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in, depth 547 ft, screened 417-420 ft, 425-445 ft, 456-476 ft, 478-498 ft, 500-520 ft, 522-542 ft.

DATUM.--Land-surface datum is 150 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.25 ft above land-surface datum.

REMARKS.--Water-quality analysis on file in District office. Caliper logged July 23, 1980, depth 546 ft. Gamma logged July 23, 1980, depth 371 ft. Water levels are affected by pumpage at Hercules Plant.

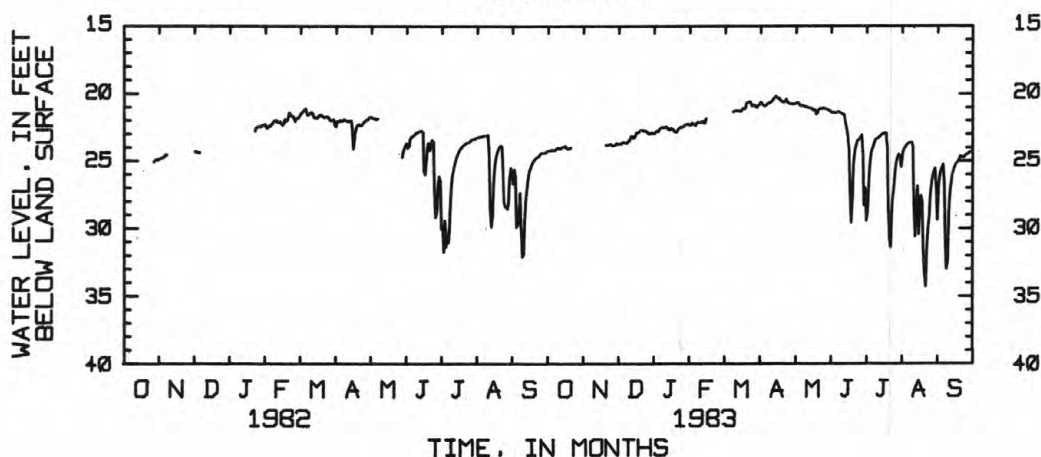
PERIOD OF RECORD.--February 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 20.32 ft below land-surface datum, Apr. 15, 1983; lowest, 36.84 ft below land-surface datum, May 26, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.35	---	23.82	23.04	22.47	---	20.93	20.91	21.48	27.09	25.57	29.45
2	24.32	---	23.83	22.91	22.29	---	20.78	20.89	21.57	29.51	24.69	27.02
3	24.32	---	23.78	22.88	22.37	---	20.83	20.84	21.56	28.93	24.33	26.21
4	24.30	---	23.71	22.92	22.47	---	20.99	20.82	21.54	27.03	24.13	25.83
5	24.30	---	23.69	22.78	22.50	---	21.04	20.90	21.59	25.37	24.02	25.56
6	24.29	---	23.73	22.67	22.29	---	21.03	21.02	21.57	24.53	23.90	25.36
7	24.26	---	23.78	22.61	22.23	---	20.98	21.06	21.52	24.22	23.79	26.59
8	24.22	---	23.74	22.62	22.30	---	20.88	21.00	21.47	24.01	23.76	30.97
9	24.13	---	23.63	22.64	22.29	21.47	20.82	21.06	21.55	23.72	23.71	33.04
10	24.15	---	23.55	22.60	22.20	21.44	20.78	21.13	21.63	23.50	23.71	32.31
11	24.19	---	23.37	22.58	22.19	21.38	20.73	21.14	21.67	23.44	23.99	28.73
12	24.18	---	23.25	22.68	22.33	21.37	20.65	21.14	21.69	23.39	28.48	27.41
13	24.09	---	23.42	22.80	22.29	21.39	20.54	21.20	21.77	23.32	30.67	26.74
14	24.04	---	23.38	22.79	22.00	21.39	20.43	21.21	22.30	23.26	28.19	26.07
15	24.03	---	23.23	22.69	---	21.43	20.32	21.26	22.70	23.16	26.88	25.82
16	24.01	---	23.01	22.77	---	21.46	20.38	21.26	23.23	23.10	30.53	25.54
17	24.16	---	22.98	22.81	---	21.30	20.48	21.36	24.33	23.07	28.56	25.36
18	24.22	---	22.97	22.94	---	21.20	20.51	21.37	27.47	23.05	27.66	25.25
19	24.17	23.94	22.86	22.99	---	21.26	20.62	21.37	29.65	23.07	28.02	25.17
20	24.13	23.94	22.81	22.94	---	21.18	20.71	21.70	27.93	24.11	31.71	25.01
21	---	23.93	22.83	22.76	---	20.86	20.77	21.58	25.30	28.74	33.38	24.76
22	---	23.89	22.88	22.66	---	20.76	20.79	21.33	24.43	30.87	34.35	24.80
23	---	23.87	22.88	22.59	---	20.77	20.67	21.24	23.99	31.47	31.83	24.81
24	---	23.87	22.89	22.60	---	20.72	20.56	21.23	23.70	28.85	30.14	24.80
25	---	23.97	22.97	22.57	---	20.90	20.74	21.24	23.54	27.64	29.19	24.72
26	---	23.97	23.05	22.54	---	21.06	20.86	21.20	23.47	26.77	27.64	24.63
27	---	23.94	23.11	22.43	---	20.96	20.90	21.23	23.32	25.68	26.79	24.60
28	---	23.89	23.07	22.39	---	21.01	20.91	21.27	23.17	25.15	26.27	24.54
29	---	23.78	23.03	22.40	---	21.14	20.92	21.30	24.54	24.85	25.91	24.45
30	---	23.83	23.08	22.36	---	21.15	20.92	21.34	28.37	24.61	25.66	24.43
31	---	---	23.08	22.46	---	20.99	---	21.39	---	24.75	27.01	---
MEAN			23.27	22.69			20.75	21.19	23.40	25.49	27.24	26.33
MAX			23.83	23.04			21.04	21.70	29.65	31.47	34.35	33.04
MIN			22.81	22.36			20.32	20.82	21.47	23.05	23.71	24.43

## 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 observation artesian well, diameter 6 in, depth 300 ft, cased to 90 ft, open hole 90 ft to 300 ft.

DATUM.--Land-surface datum is 260 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.57 ft above land-surface datum.

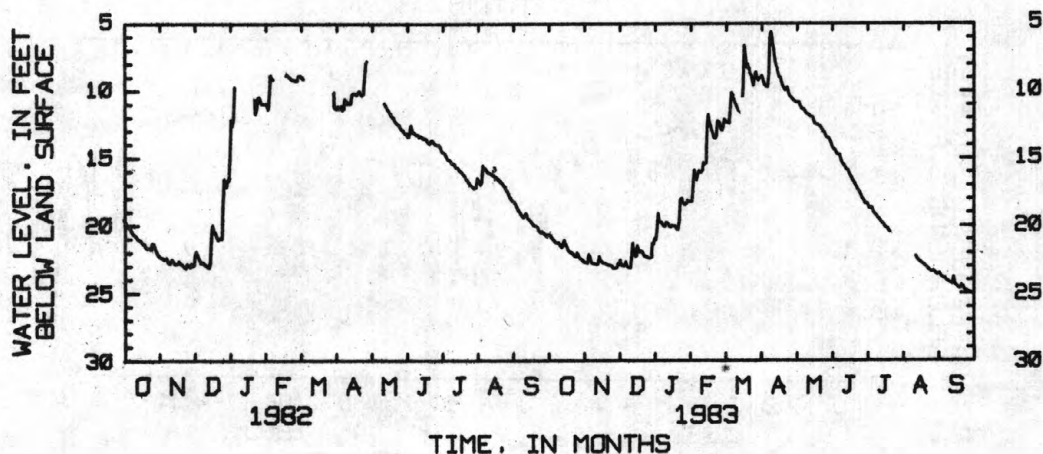
PERIOD OF RECORD.--1972 to June 1975, September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 4.56 ft below land-surface datum, Mar. 31, 1980; lowest, 44.83 ft below land-surface datum, Dec. 30, 1973.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.69	22.77	22.58	21.12	18.26	12.23	9.16	11.00	14.11	18.41	---	23.61
2	20.78	22.82	22.91	20.34	17.08	12.35	9.04	11.02	14.35	18.53	---	23.57
3	20.92	22.83	23.00	19.18	16.01	12.47	9.25	11.00	14.44	18.72	---	23.76
4	21.02	22.18	23.02	19.75	16.44	12.50	9.63	11.02	14.51	18.83	---	23.86
5	21.13	22.37	22.98	19.82	16.71	12.54	9.78	11.25	14.69	18.75	---	23.92
6	21.25	22.69	22.71	19.87	16.29	11.41	9.87	11.44	14.83	18.80	---	23.98
7	21.33	22.83	23.00	19.99	16.05	10.27	9.89	11.54	14.89	19.07	---	24.03
8	21.35	22.86	23.13	20.11	16.18	10.47	9.01	11.51	14.88	19.24	---	24.11
9	21.30	22.86	23.14	20.11	16.14	10.80	6.27	11.64	15.19	19.31	---	24.17
10	21.45	22.89	23.18	19.83	15.98	11.05	5.80	11.83	15.42	19.40	---	24.23
11	21.58	22.89	22.39	19.88	15.45	11.19	6.32	11.87	15.58	19.54	---	24.27
12	21.67	22.83	21.37	19.98	15.56	11.43	7.00	11.92	15.71	19.61	22.33	24.34
13	21.39	22.34	21.98	20.17	15.46	11.62	7.73	11.98	15.84	19.74	22.43	24.37
14	21.13	22.59	22.29	20.19	12.88	11.67	8.18	12.05	15.97	19.84	22.57	23.84
15	21.41	22.70	22.29	20.05	11.91	11.75	8.42	12.11	16.02	19.92	22.67	24.33
16	21.61	22.82	21.55	20.12	12.45	11.82	8.82	12.13	16.20	20.02	22.73	24.47
17	21.83	22.82	21.82	20.08	12.73	10.05	9.12	12.47	16.40	20.17	22.79	24.53
18	21.94	22.86	22.02	20.19	13.12	6.81	9.19	12.62	16.54	20.27	22.86	24.62
19	22.02	22.91	21.93	20.33	13.32	7.67	9.47	12.65	16.69	20.27	22.91	24.67
20	22.07	22.95	21.95	20.35	13.62	8.48	9.75	12.67	16.85	20.42	22.99	24.64
21	22.12	22.98	22.12	19.84	13.68	8.18	9.95	12.75	16.99	20.54	23.07	24.43
22	22.23	22.96	22.27	18.18	13.49	8.47	10.11	12.78	17.17	---	23.15	24.55
23	22.31	22.98	22.34	18.07	12.36	8.90	10.03	12.87	17.33	---	23.25	24.74
24	22.36	23.04	22.37	18.29	12.40	9.03	9.91	13.02	17.50	---	23.34	24.82
25	22.06	23.20	22.43	18.46	12.58	9.43	10.27	13.20	17.61	---	23.42	24.89
26	22.24	23.19	22.45	18.54	12.98	9.78	10.53	13.27	17.81	---	23.46	24.90
27	22.43	23.18	22.44	18.45	13.07	9.16	10.64	13.45	18.01	---	23.41	24.94
28	22.50	23.15	22.38	18.19	12.77	8.76	10.73	13.60	18.16	---	23.46	25.00
29	22.58	22.88	21.37	18.31	---	9.18	10.84	13.64	18.29	---	23.51	25.05
30	22.67	22.94	21.41	18.27	---	9.39	10.94	13.70	18.43	---	23.61	25.08
31	22.74	---	21.00	18.29	---	9.20	---	13.86	---	---	23.67	---
MEAN	21.75	22.84	22.32	19.50	14.46	10.26	9.19	12.32	16.21	---	---	24.39
MAX	22.74	23.20	23.18	21.12	18.26	12.54	10.94	13.86	18.43	---	---	25.08
MIN	20.69	22.18	21.00	18.07	11.91	6.81	5.80	11.00	14.11	---	---	23.57

## HYDROGRAPH



## RICHLAND COUNTY

334930080514400. Local number, RIC-341.

LOCATION.--Lat 33°49'30", Log 80°51'44", Hydrologic Unit 03050110, Congaree Swamp on north road to bubble gage.

OWNER: U.S. Park Service.

AQUIFER.--Sands of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 24 ft, screened intervals 8-13 ft.

DATUM.--Land-surface datum is 102.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.28 ft above land-surface datum.

REMARKS.--Affected by stage of Congaree River. Also known as Congaree Swamp well number 4.

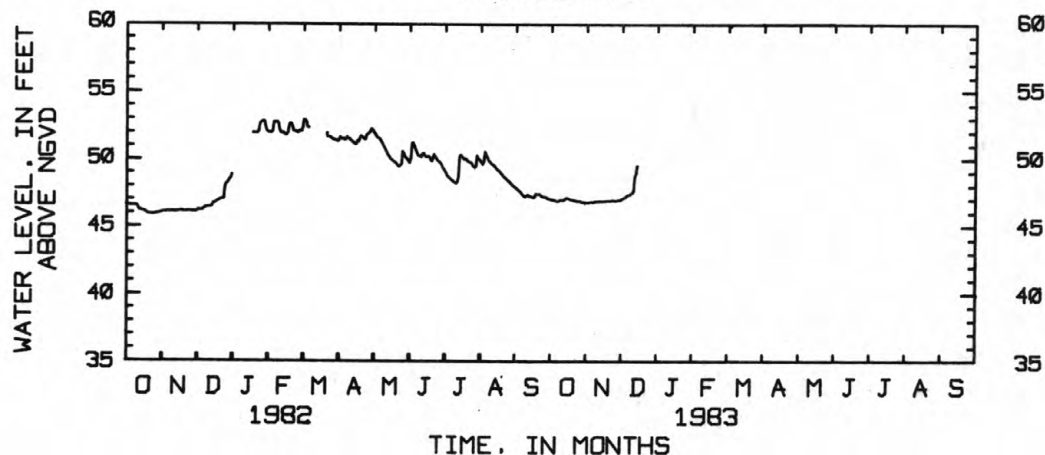
PERIOD OF RECORD.--September 1981 to March 1983 (discontinued).

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 52.80 ft NGVD, Mar. 4, 1982; lowest, 40.43 ft NGVD, Jan. 22, 1983.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46.96	46.71	47.00	---								
2	46.93	46.72	47.03	---								
3	46.90	46.72	47.08	---								
4	46.87	46.76	47.13	---								
5	46.83	46.75	47.20	---								
6	46.80	46.73	47.27	---								
7	46.82	46.75	47.29	---								
8	46.85	46.79	47.31	---								
9	46.91	46.81	47.41	---								
10	46.91	46.81	47.45	---								
11	46.91	46.81	47.58	---								
12	46.92	46.82	48.60	---								
13	46.97	46.81	48.85	---								
14	47.08	46.81	49.42	---								
15	47.05	46.83	---	---								
16	47.02	46.82	---	---								
17	46.95	46.83	---	---								
18	46.92	46.84	---	---								
19	46.91	46.84	---	40.59								
20	46.88	46.84	---	40.59								
21	46.87	46.85	---	40.51								
22	46.87	46.87	---	40.43								
23	46.83	46.88	---	---								
24	46.81	46.87	---	---								
25	46.83	46.84	---	---								
26	46.80	46.85	---	---								
27	46.76	46.88	---	---								
28	46.75	46.89	---	---								
29	46.74	46.93	---	---								
30	46.73	46.91	---	---								
31	46.71	---	---	---								
MEAN	46.87	46.82										
MAX	47.08	46.93										
MIN	46.71	46.71										

## HYDROGRAPH



## RICHLAND COUNTY

334244080514200. Local number, RIC-342.

LOCATION.--Lat 33°42'44", Long 80°51'42", Hydrologic Unit 03050110, Congaree Swamp, left side of north road to bubble gage.

OWNER: U.S. Park Service.

AQUIFER.--Sands of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 28 ft, screened interval 23-28 ft.

DATUM.--Land-surface datum is 105.9 National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.4 ft above land-surface datum.

REMARKS.--Affected by stage of Congaree River. Also known as Congaree Swamp well number 2.

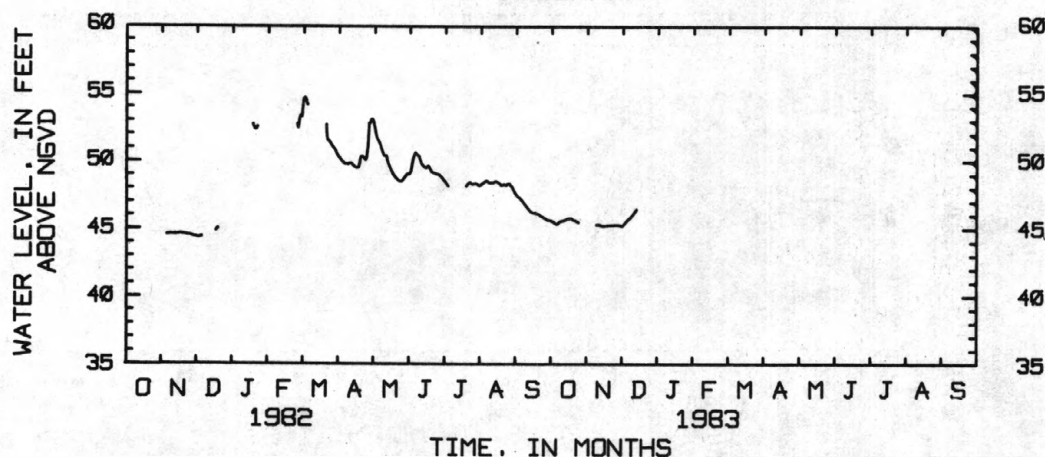
PERIOD OF RECORD.--November 1981 to January 1983. Station discontinued May 1983.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 54.57 ft NGVD, Mar. 4, 1982; lowest, 44.31 ft NGVD, Dec. 2, 3, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45.54	---	45.16									
2	45.46	---	45.24									
3	45.41	---	45.36									
4	45.35	---	45.47									
5	45.30	---	45.57									
6	45.30	---	45.66									
7	45.39	---	45.73									
8	45.47	45.23	45.79									
9	45.52	45.25	45.87									
10	45.54	45.26	46.00									
11	45.57	45.23	46.12									
12	45.62	45.21	46.23									
13	45.64	45.18	46.36									
14	45.68	45.16	---									
15	45.69	45.16	---									
16	45.72	45.17	---									
17	45.73	45.19	---									
18	45.73	45.21	---									
19	45.67	45.21	---									
20	45.60	45.20	---									
21	45.56	45.21	---									
22	45.51	45.21	---									
23	45.46	45.21	---									
24	45.42	45.22	---									
25	---	45.22	---									
26	---	45.22	---									
27	---	45.22	---									
28	---	45.21	---									
29	---	45.20	---									
30	---	45.16	---									
31	---	---	---									
MEAN												
MAX												
MIN												

## HYDROGRAPH



## GROUND WATER LEVELS

313

## RICHLAND COUNTY

334835080515600. Local number, RIC-343.

LOCATION.--Lat 33°48'35", Long 80°51'56", Hydrologic Unit 03050110, Congaree Swamp, 10 ft off right side of road going to bubble gage, approximately 100 yards from gage.

OWNER: U.S. Park Service.

AQUIFER.--Sands of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 30 ft, screened interval 25-30 ft.

DATUM.--Land-surface datum is 106.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 6.5 ft above land-surface datum.

REMARKS.--Affected by stage of Congaree River.

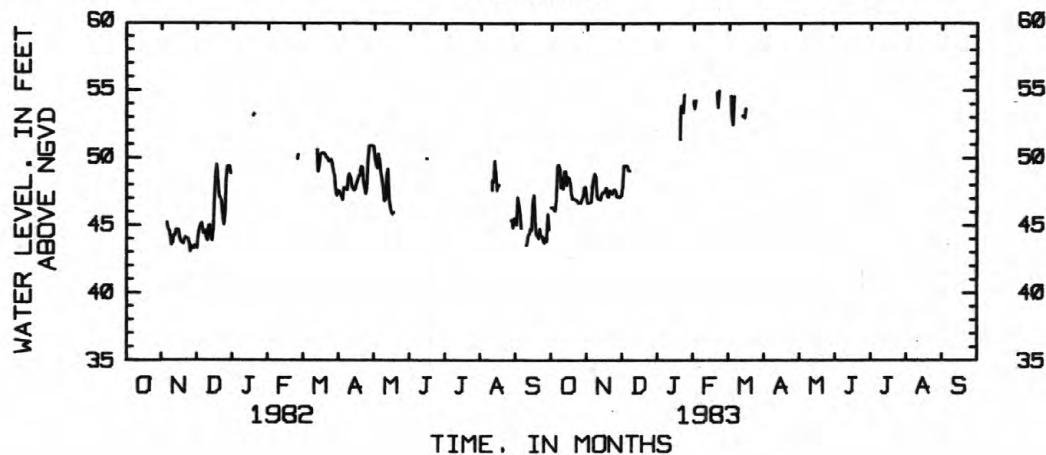
PERIOD OF RECORD.--November 1981 to April 1983 (discontinued).

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 53.79 ft NGVD, Feb. 22, 1983; lowest, 43.00 ft NGVD, Nov. 25, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43.52	43.87	45.26	---	52.18	---						
2	43.53	43.89	47.19	---	52.90	---						
3	43.31	43.93	47.21	---	---	---						
4	43.18	43.99	47.20	---	---	53.26						
5	44.08	45.21	47.10	---	---	51.53						
6	47.06	46.01	46.78	---	---	50.75						
7	47.30	46.49	46.69	---	---	53.28						
8	47.01	46.19	---	---	---	---						
9	45.19	44.57	---	---	---	---						
10	46.11	44.24	---	---	---	---						
11	45.12	44.18	---	---	---	---						
12	46.68	44.17	---	---	---	---						
13	46.70	44.63	---	---	---	---						
14	45.42	44.82	---	---	---	51.52						
15	46.18	44.88	---	---	---	51.48						
16	46.10	44.99	---	---	---	51.36						
17	45.69	45.27	---	---	---	52.21						
18	44.78	44.59	---	---	---	---						
19	44.22	44.43	---	49.53	---	---						
20	44.27	45.01	---	52.43	53.62	---						
21	44.18	44.81	---	52.48	52.27	---						
22	44.14	44.68	---	51.85	53.79	---						
23	44.05	44.97	---	53.43	---	---						
24	43.87	45.09	---	---	---	---						
25	43.92	44.96	---	---	---	---						
26	43.88	44.45	---	---	---	---						
27	44.20	44.49	---	---	---	---						
28	44.42	44.36	---	---	---	---						
29	45.27	44.45	---	---	---	---						
30	45.34	44.56	---	---	---	---						
31	44.44	---	---	52.85	---	---						
MEAN	44.94	44.74										
MAX	47.30	46.49										
MIN	43.18	43.87										

## HYDROGRAPH





## GROUND WATER LEVELS

## RICHLAND COUNTY

334832080515800. Local number, RIC-344.

LOCATION.--Lat 33°48'32", Long 80°51'58", Hydrologic Unit 03050110, Congaree Swamp at the bubble gage.

OWNER: U.S. Park Service.

AQUIFER.--Sands of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 29 ft, screened interval 10-15 ft.

DATUM.--Land-surface datum is 107.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.1 ft above land-surface datum.

REMARKS.--Affected by stage of Congaree River.

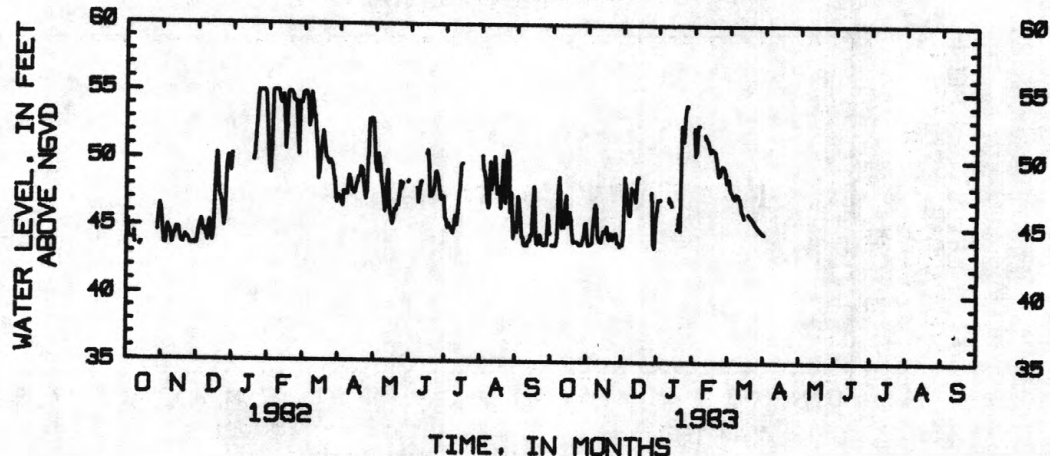
PERIOD OF RECORD.--September 1981 to April 1983 (discontinued).

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 54.91 ft NGVD, Feb. 7, 9, 1983; lowest, 43.33 ft NGVD, Oct. 7, 1982.

DEPTH ABOVE NGVD (WATER LEVEL.) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43.64	43.64	44.37	46.91	50.25	48.56	44.49					
2	43.64	43.64	48.66	47.03	50.52	48.47	---					
3	43.63	43.70	48.12	---	52.49	47.76	---					
4	43.63	43.79	47.51	---	52.49	47.57	---					
5	44.12	45.12	46.48	---	---	47.41	---					
6	47.68	46.10	45.93	---	---	47.26	---					
7	48.63	46.65	45.84	---	---	47.11	---					
8	47.53	46.34	47.89	---	---	47.44	---					
9	44.91	44.36	47.49	47.16	51.75	47.41	---					
10	46.15	43.97	47.71	46.85	51.61	47.28	---					
11	44.92	43.87	47.43	46.91	51.43	47.13	---					
12	46.71	43.84	46.84	46.61	51.26	46.79	---					
13	47.30	44.33	48.61	---	50.85	46.18	---					
14	45.20	44.68	48.67	---	50.53	46.03	---					
15	46.09	44.55	---	---	50.77	45.69	---					
16	46.06	44.72	---	44.87	50.63	---	---					
17	45.57	45.00	---	44.86	50.54	---	---					
18	44.50	44.27	---	46.05	50.53	45.97	---					
19	43.80	44.02	---	44.71	50.01	45.91	---					
20	43.90	44.49	---	52.47	49.41	45.81	---					
21	43.83	44.44	---	52.16	48.79	45.71	---					
22	43.85	44.05	---	51.28	48.86	45.58	---					
23	43.78	44.42	---	53.24	49.20	45.45	---					
24	43.64	44.51	---	53.96	49.50	45.31	---					
25	43.65	44.40	47.48	53.96	49.44	45.17	---					
26	43.66	43.79	46.94	---	49.32	45.05	---					
27	43.96	43.77	43.72	---	49.05	44.93	---					
28	44.20	43.53	43.42	---	48.24	44.82	---					
29	45.24	43.65	45.53	---	---	44.72	---					
30	45.29	43.68	46.31	---	---	44.62	---					
31	44.21	---	47.04	52.26	---	44.54	---					
MEAN	44.93	44.38										
MAX	48.63	46.65										
MIN	43.63	43.53										

## HYDROGRAPH



## RICHLAND COUNTY

334950080491000. Local number, RIC-345.

LOCATION.--Lat 33°49'50", Long 80°49'10", Hydrologic Unit 03050110, Congaree Swamp on road to Hunt Club.

OWNER: U.S. Park Service.

AQUIFER.--Sands of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 49 ft, screened interval 18-23 ft.

DATUM.--Land-surface datum is 116.4 ft National Geodetic Vertical Datum of 1929. Measuring Point: Top of casing, 4.6 ft above land-surface datum.

REMARKS.--

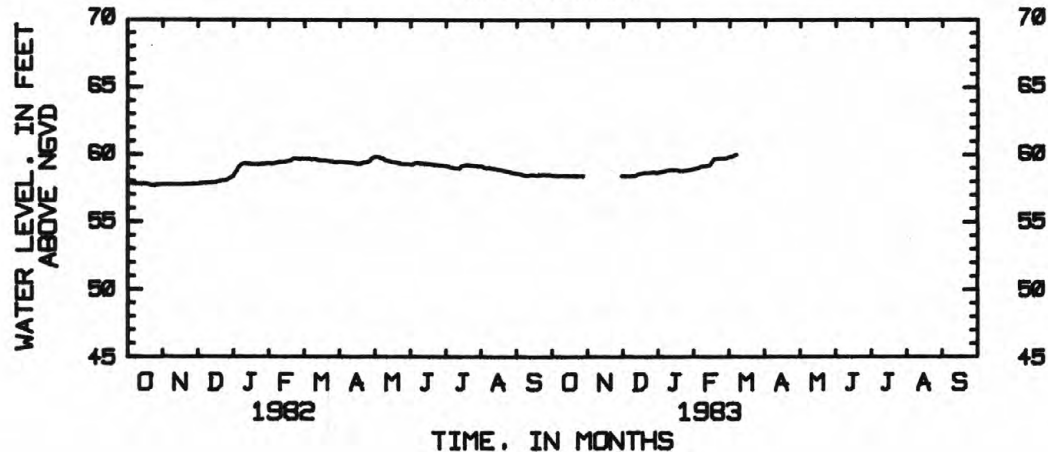
PERIOD OF RECORD.--September 1981 to March 1983 (discontinued).

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 59.9 ft NGVD, Mar. 8, 1983; lowest, 57.6 ft NGVD, Oct. 20-25, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58.35	---	58.32	58.60	58.86	59.68						
2	58.34	---	58.32	58.62	58.88	59.72						
3	58.33	---	58.32	58.63	58.90	59.74						
4	58.32	---	58.33	58.65	58.93	59.77						
5	58.32	---	58.33	58.67	58.97	59.79						
6	58.32	---	58.33	58.70	59.01	59.82						
7	58.32	---	58.33	58.72	59.03	59.85						
8	58.32	---	58.33	58.74	59.04	59.90						
9	58.32	---	58.33	58.76	59.05	---						
10	58.32	---	58.33	58.76	59.07	---						
11	58.32	---	58.33	58.76	59.08	---						
12	58.32	---	58.38	58.76	59.09	---						
13	58.32	---	58.43	58.76	59.10	---						
14	58.33	---	58.46	58.76	59.18	---						
15	58.34	---	58.48	58.76	59.31	---						
16	58.34	---	58.51	58.76	59.46	---						
17	58.34	---	58.53	58.74	59.57	---						
18	58.33	---	58.54	58.70	59.58	---						
19	58.33	---	58.56	58.69	59.60	---						
20	58.32	---	58.57	58.69	59.60	---						
21	58.31	---	58.57	58.69	59.60	---						
22	58.31	---	58.57	58.70	59.60	---						
23	58.31	---	58.57	58.72	59.61	---						
24	58.32	---	58.58	58.73	59.62	---						
25	58.32	---	58.58	58.73	59.62	---						
26	58.32	---	58.58	58.75	59.62	---						
27	58.32	---	58.58	58.79	59.62	---						
28	---	---	58.58	58.81	59.64	---						
29	---	58.32	58.58	58.82	---	---						
30	---	58.32	58.58	58.85	---	---						
31	---	---	58.58	58.85	---	---						
MEAN			58.46	58.73	59.29							
MAX			58.58	58.85	59.64							
MIN			58.32	58.60	58.86							

## HYDROGRAPH



## RICHLAND COUNTY

334859080493900. Local number, RIC-346.

LOCATION.--Lat 33°48'59", Long 80°49'39", Hydrologic Unit 03050110, Congaree Swamp, south west of gage station at Hunt Club.

OWNER: U.S. Park Service.

AQUIFER.--Sands of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 64 ft, screened interval 18.5-23.5 ft.

DATUM.--Land-surface datum is 100.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.5 ft above land-surface datum.

REMARKS.--Affected by stage of Congaree River.

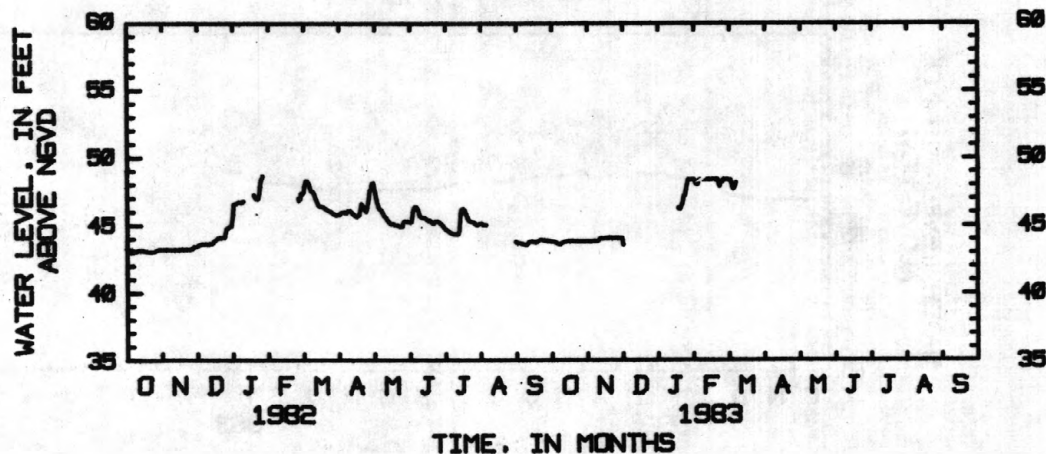
PERIOD OF RECORD.--September 1981 to March 1983 (discontinued).

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 48.56 ft NGVD, Jan. 26, 1982; lowest, 43.00 ft NGVD, Oct. 21, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43.78	43.80	43.53	---	48.05	48.30						
2	43.77	43.80	---	---	47.91	48.29						
3	43.73	43.80	---	---	47.95	48.28						
4	43.69	43.81	---	---	48.20	48.10						
5	43.64	43.82	---	---	48.30	47.72						
6	43.58	43.82	---	---	48.30	47.57						
7	43.57	43.82	---	---	48.30	47.76						
8	43.59	43.82	---	---	48.31	48.06						
9	43.67	43.82	---	---	48.31	---						
10	43.71	43.90	---	---	48.31	---						
11	43.73	43.99	---	---	48.31	---						
12	43.76	43.99	---	---	48.31	---						
13	43.80	44.00	---	---	48.31	---						
14	43.82	44.00	---	---	48.33	---						
15	43.82	44.01	---	---	48.31	---						
16	43.82	44.01	---	---	48.32	---						
17	43.82	44.01	---	46.23	48.34	---						
18	43.82	44.01	---	46.15	48.34	---						
19	43.82	44.01	---	46.14	48.34	---						
20	43.81	44.01	---	46.34	48.32	---						
21	43.81	44.01	---	46.55	48.07	---						
22	43.81	44.02	---	47.02	47.78	---						
23	43.81	44.02	---	47.16	48.08	---						
24	43.81	44.02	---	47.48	48.13	---						
25	43.81	44.02	---	47.98	48.30	---						
26	43.81	44.02	---	48.30	48.30	---						
27	43.81	44.02	---	48.30	48.30	---						
28	43.81	44.02	---	48.31	48.30	---						
29	43.81	44.03	---	48.31	---	---						
30	43.81	44.03	---	48.31	---	---						
31	43.80	---	---	48.30	---	---						
MEAN	43.76	43.95			48.23							
MAX	43.82	44.03			48.34							
MIN	43.57	43.80			47.78							

## HYDROGRAPH



## SUMTER COUNTY

335602080204800. Local number, SU-9.

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 observation artesian well, diameter 18 in to 211 ft, 8 in from 211 ft to 625 ft, depth 625 ft, screened intervals 508-528 ft, 550-570 ft, 605-625 ft, gravel packed.

DATUM.--Land-surface datum is 176 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pad, 0.42 ft above land-surface datum.

REMARKS.--Water levels are affected by pumping of nearby wells. Logged September 1979 to 364 ft.

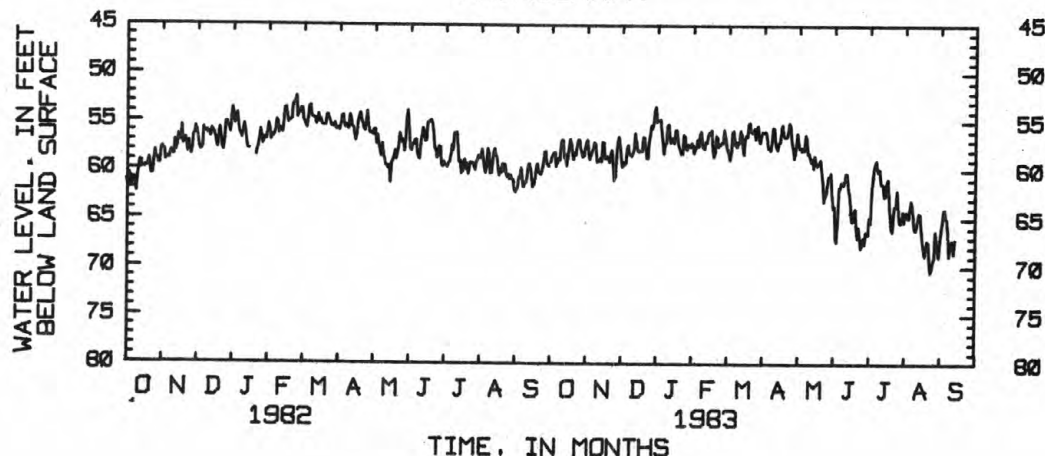
PERIOD OF RECORD.--Monthly values, 1946-69. June 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 40.57 ft below land-surface datum, Oct. 29, 1971; lowest, 77.81 ft below land-surface datum, June 28, 1974.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59.21	56.93	59.76	54.97	58.29	57.60	56.06	56.18	64.00	66.60	65.39	67.34
2	58.54	58.35	59.26	54.93	57.71	58.02	56.18	57.31	63.73	64.89	64.56	66.16
3	58.30	58.99	59.57	54.86	57.71	58.37	56.03	57.83	67.00	65.47	64.30	65.45
4	58.23	58.53	59.32	56.14	56.87	58.99	56.10	57.72	67.39	62.76	64.88	64.20
5	59.72	58.14	57.90	57.10	57.61	58.17	56.77	58.08	65.15	61.06	64.93	64.01
6	59.18	57.84	57.48	58.39	56.36	56.12	57.83	57.72	61.83	59.97	64.11	64.84
7	58.87	57.19	58.39	57.44	56.03	55.95	57.66	58.01	61.87	59.34	63.12	65.06
8	59.07	57.40	58.50	57.20	57.49	57.43	58.01	56.40	61.24	59.03	63.61	66.38
9	57.68	59.23	58.62	55.47	57.73	57.09	57.01	56.79	61.29	60.03	64.81	68.83
10	56.96	59.18	58.30	55.29	57.86	57.67	55.68	58.35	61.56	60.23	66.06	68.17
11	57.03	59.16	57.95	56.68	57.12	57.14	55.66	58.28	61.11	59.93	66.19	67.27
12	58.76	58.84	56.24	57.23	57.20	57.23	57.03	58.71	60.33	61.30	65.75	67.23
13	58.46	59.20	57.04	56.72	56.44	55.93	57.71	59.21	60.44	61.51	65.12	68.62
14	59.65	57.15	58.12	56.82	56.13	56.31	57.96	58.85	61.80	61.56	64.40	67.15
15	58.86	57.22	58.18	57.31	56.34	57.66	57.20	59.82	62.37	62.77	64.55	---
16	57.83	58.85	58.12	55.88	55.85	58.43	57.12	58.52	63.60	62.68	66.21	---
17	56.86	58.88	58.14	55.88	58.06	56.72	56.08	59.23	65.23	61.36	67.43	---
18	57.33	58.67	58.15	57.00	58.69	56.43	55.32	59.56	65.32	60.94	68.11	---
19	58.36	58.84	56.65	57.70	58.30	56.56	56.45	59.39	64.27	62.64	68.81	---
20	58.97	59.30	56.65	57.97	56.51	55.21	56.64	59.35	63.97	64.65	67.95	---
21	58.26	58.49	57.71	58.40	56.65	55.14	56.63	58.94	65.98	66.00	67.25	---
22	58.52	58.05	58.82	58.32	57.65	56.03	56.53	60.26	67.01	66.33	67.41	---
23	57.62	59.43	58.83	56.41	57.35	56.15	56.07	61.25	65.85	64.46	69.61	---
24	56.93	61.17	57.27	56.54	57.42	56.08	55.16	63.28	67.06	63.70	70.51	---
25	56.93	60.76	56.45	57.85	57.16	55.73	55.50	62.74	68.06	63.66	70.12	---
26	57.83	58.65	55.43	57.97	57.18	56.83	57.15	62.40	67.69	62.11	69.42	---
27	58.35	57.27	55.75	57.40	55.84	55.72	57.70	61.48	66.98	63.97	69.00	---
28	58.71	56.61	55.26	57.58	56.62	55.42	58.82	60.68	67.65	65.32	66.28	---
29	58.60	57.52	53.92	57.70	---	56.96	58.42	60.85	66.39	65.47	67.26	---
30	57.77	58.71	53.49	57.28	---	57.20	57.12	60.32	66.63	65.31	68.26	---
31	57.25	---	55.09	57.49	---	56.45	---	62.59	---	64.27	68.94	---
MEAN	58.21	58.49	57.43	56.90	57.15	56.80	56.79	59.36	64.43	62.88	66.59	
MAX	59.72	61.17	59.76	58.40	58.69	58.99	58.82	63.28	68.06	66.60	70.51	
MIN	56.86	56.61	53.49	54.86	55.84	55.14	55.16	56.18	60.33	59.03	63.12	

## 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 west of Church Street in Sumter.

Owner: City of Sumter.

AQUIFER.--Black Mingo Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in, depth 70 ft, screen setting unknown.

DATUM.--Land-surface datum is 177 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.75 ft above land-surface datum.

REMARKS.--Gamma and caliper logged Mar. 24, 1980, depth 56 ft.

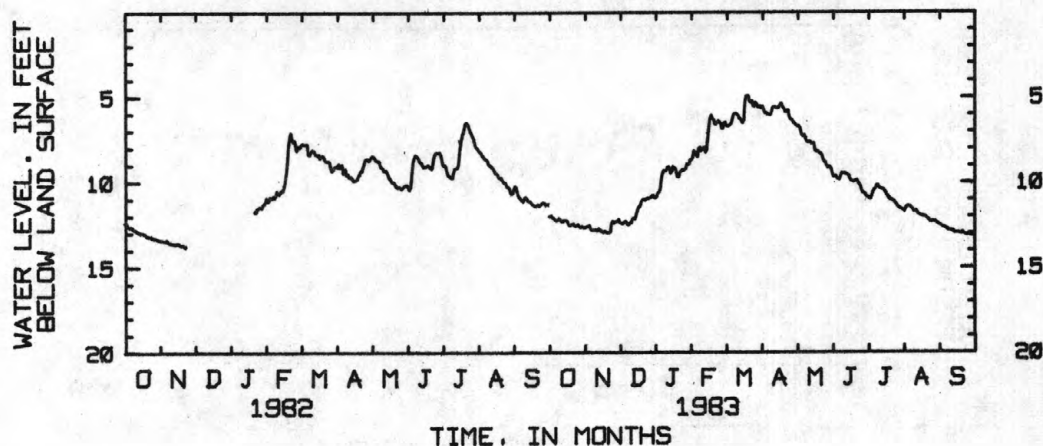
PERIOD OF RECORD.--October 1980 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 4.91 ft below land-surface datum, Mar. 20, 1983; lowest, 13.78 ft below land-surface datum, Dec. 21, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.99	12.63	12.39	10.80	8.51	6.47	5.65	6.68	9.47	10.87	11.66	12.52
2	11.94	12.59	12.43	10.61	8.12	6.66	5.55	6.71	9.66	10.93	11.71	12.55
3	12.04	12.57	12.41	10.55	8.22	6.71	5.73	6.69	9.65	11.00	11.57	12.59
4	12.09	12.55	12.35	10.41	8.44	6.65	5.94	6.81	9.60	10.96	11.42	12.64
5	12.16	12.75	12.29	9.86	8.47	6.62	5.95	7.03	9.76	10.77	11.41	12.67
6	12.24	12.82	12.37	9.47	8.00	6.55	5.95	7.25	9.82	10.52	11.42	12.70
7	12.22	12.82	12.49	9.26	7.93	6.35	6.02	7.31	9.86	10.41	11.43	12.73
8	12.18	12.81	12.48	9.28	8.14	6.05	6.04	7.24	9.67	10.32	11.51	12.78
9	12.13	12.82	12.37	9.29	8.08	5.94	6.02	7.44	9.46	10.17	11.59	12.83
10	12.20	12.86	12.35	9.15	7.94	5.94	5.82	7.62	9.46	10.14	11.71	12.84
11	12.30	12.84	12.15	9.04	7.91	5.97	5.59	7.64	9.47	10.28	11.74	12.86
12	12.30	12.73	12.10	9.20	8.23	6.08	5.58	7.60	9.46	10.36	11.67	12.88
13	12.22	12.81	12.16	9.45	8.07	6.24	5.62	7.65	9.51	10.39	11.79	12.91
14	12.21	12.89	11.97	9.34	7.29	6.29	5.65	7.71	9.56	10.41	11.88	12.97
15	12.24	12.88	11.69	9.04	6.69	6.41	5.64	7.73	9.59	10.42	11.92	12.98
16	12.31	12.95	11.46	9.18	6.19	6.51	5.60	7.70	9.78	10.52	11.96	12.97
17	12.49	12.87	11.38	9.17	6.04	6.37	5.45	8.08	9.92	10.65	12.00	12.96
18	12.53	12.90	11.28	9.45	6.25	5.29	5.37	8.19	9.94	10.77	12.02	13.00
19	12.50	12.96	11.06	9.66	6.34	4.93	5.52	8.18	9.99	10.87	12.01	13.03
20	12.45	12.98	10.97	9.66	6.58	4.91	5.65	8.21	9.92	10.98	12.05	13.03
21	12.44	12.96	10.99	9.40	6.60	4.92	5.78	8.31	9.91	11.04	12.09	12.94
22	12.54	12.90	11.03	9.32	6.49	5.24	5.88	8.34	9.87	11.02	12.16	13.03
23	12.58	12.40	10.95	9.23	6.37	5.32	5.79	8.43	10.01	11.09	12.23	13.08
24	12.54	12.26	10.91	9.26	6.48	5.24	5.79	8.62	10.10	11.10	12.32	13.11
25	12.48	12.40	10.93	9.23	6.56	5.52	6.16	8.80	10.20	11.21	12.33	13.10
26	12.60	12.33	10.88	9.14	6.84	5.56	6.30	8.83	10.45	11.30	12.29	13.08
27	12.64	12.30	10.86	8.91	6.82	5.32	6.36	9.01	10.60	11.42	12.31	13.10
28	12.62	12.26	10.77	8.89	6.53	5.41	6.43	9.15	10.65	11.50	12.34	13.13
29	12.62	12.17	10.75	8.88	---	5.60	6.55	9.09	10.70	11.55	12.36	13.15
30	12.66	12.36	10.90	8.64	---	5.61	6.61	9.09	10.82	11.57	12.43	13.16
31	12.67	---	10.89	8.64	---	5.53	---	9.22	---	11.61	12.47	---
MEAN	12.36	12.68	11.61	9.40	7.29	5.88	5.87	7.95	9.90	10.84	11.93	12.91
MAX	12.67	12.98	12.49	10.80	8.51	6.71	6.61	9.22	10.82	11.61	12.47	13.16
MIN	11.94	12.17	10.75	8.64	6.04	4.91	5.37	6.68	9.46	10.14	11.41	12.52

HYDROGRAPH



## WILLIAMSBURG COUNTY

334410079310200. Local number, WIL-76.

LOCATION.--Lat 33°44'10", long 79°31'02", Hydrologic Unit 03040205, 15 ft behind Allis-Chalmers stores and 86 ft from the water tower in Stuckey.

Owner: Town of Stuckey.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 257 ft, casing and screen unknown.

DATUM.--Land-surface datum is 50 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft above land-surface datum.

REMARKS.--1978 water-quality analysis on file in District office. Caliper and gamma logged Oct. 11, 1978, depth 256 ft.

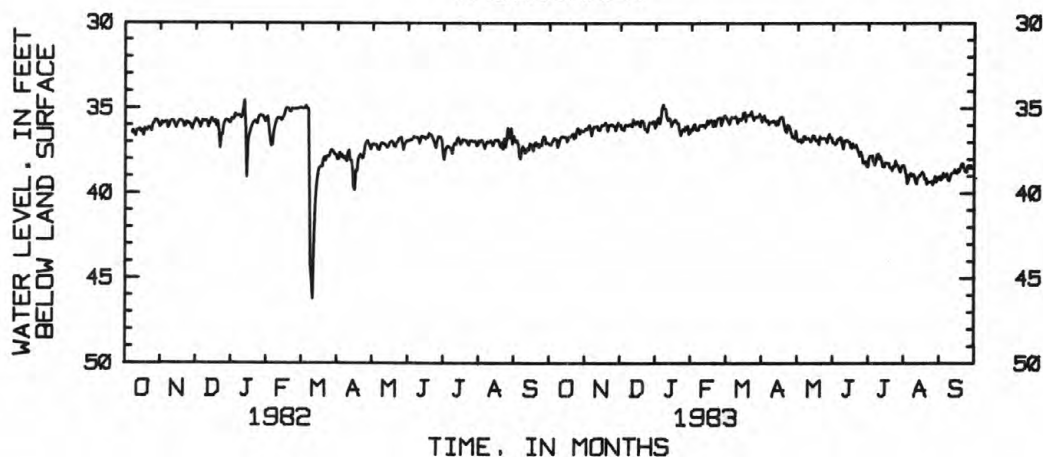
PERIOD OF RECORD.--October 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 34.55 ft below land-surface datum, Jan. 12, 1982; lowest, 46.19 ft below land-surface datum, Mar. 12, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.09	36.18	35.98	35.97	36.30	35.40	35.50	36.32	36.73	38.38	38.35	39.03
2	37.17	36.24	36.20	35.66	36.02	35.51	35.81	36.77	37.02	38.46	38.36	39.00
3	37.01	36.12	36.16	35.54	35.93	35.61	35.60	36.94	37.01	37.92	38.54	39.21
4	36.87	36.00	36.28	35.90	36.23	35.79	35.43	36.87	37.15	37.79	38.89	39.09
5	36.73	36.17	35.98	35.52	36.28	35.94	35.68	36.81	37.05	37.82	39.42	38.80
6	36.82	36.59	35.95	34.95	36.26	35.64	35.79	37.03	36.80	37.77	39.24	39.05
7	36.85	36.27	36.02	34.76	36.04	35.50	35.70	36.96	36.83	38.15	38.88	38.96
8	37.31	36.08	35.99	35.03	35.97	35.55	35.95	36.64	36.69	38.36	38.82	38.84
9	37.10	36.07	35.93	35.04	36.02	35.53	35.84	36.63	36.72	38.09	38.99	39.17
10	36.80	36.06	35.98	35.51	35.99	35.45	35.79	36.82	37.08	37.70	38.87	39.26
11	36.66	36.04	36.08	35.71	35.99	35.56	35.79	36.76	37.38	37.67	38.97	39.10
12	36.65	36.27	35.64	35.59	36.13	35.88	35.74	36.74	36.90	37.97	39.29	38.84
13	36.68	36.28	35.93	35.68	35.96	35.72	35.85	36.83	36.93	37.84	39.45	38.78
14	36.70	36.11	35.92	36.06	35.72	35.59	35.99	36.99	36.85	38.09	39.09	38.79
15	36.69	35.98	35.78	35.87	35.92	35.69	35.75	36.84	36.95	38.44	39.01	38.59
16	36.98	36.00	35.77	35.78	35.73	35.58	35.96	36.57	36.98	38.46	38.93	38.80
17	36.84	35.93	35.93	35.66	35.68	35.26	35.65	36.59	37.24	38.20	38.83	38.82
18	36.64	35.84	36.07	35.73	35.78	35.22	35.51	36.85	37.33	38.21	38.73	38.58
19	36.63	35.99	35.71	35.90	36.07	35.76	35.50	36.92	37.06	38.23	38.85	38.70
20	36.55	36.34	35.74	35.91	35.71	35.38	35.62	36.83	37.26	38.23	39.16	38.45
21	36.48	36.00	35.86	36.31	36.04	35.38	36.01	37.13	37.29	38.50	39.13	38.25
22	36.78	35.97	36.22	36.59	35.73	35.43	36.30	36.64	37.17	38.51	39.48	38.25
23	36.71	35.94	36.21	36.27	35.58	35.34	36.40	36.78	37.38	38.68	39.30	38.54
24	36.41	35.98	36.39	36.21	35.54	35.17	35.99	36.76	37.59	38.38	39.33	38.71
25	36.16	36.04	36.08	36.33	35.55	35.50	36.04	36.73	37.80	38.46	39.32	38.76
26	36.27	36.08	35.82	36.09	35.99	35.69	36.20	36.77	37.57	38.07	39.28	38.41
27	36.50	36.30	35.85	36.24	35.79	35.51	36.46	36.82	37.80	38.34	39.51	38.33
28	36.27	36.01	35.90	36.03	35.49	35.49	36.69	37.02	38.21	38.37	39.30	38.52
29	36.36	35.84	35.77	36.51	---	35.48	36.73	36.66	38.20	38.59	39.00	38.36
30	36.35	36.03	35.78	36.42	---	35.49	36.79	36.51	38.11	38.77	39.33	38.52
31	36.26	---	36.15	36.21	---	35.34	---	36.71	---	38.47	39.20	---
MEAN	36.69	36.09	35.97	35.84	35.91	35.53	35.94	36.78	37.24	38.22	39.06	38.75
MAX	37.31	36.59	36.39	36.59	36.30	35.94	36.79	37.13	38.21	38.77	39.51	39.26
MIN	36.16	35.84	35.64	34.76	35.49	35.17	35.43	36.32	36.69	37.67	38.35	38.25

## HYDROGRAPH



## GROUND WATER LEVELS

## 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 observation artesian well, diameter 8 in, depth 700 ft, cased to 50 ft, open hole 50 ft to 700 ft.

DATUM.--Land-surface datum is 600 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.75 ft above land-surface datum.

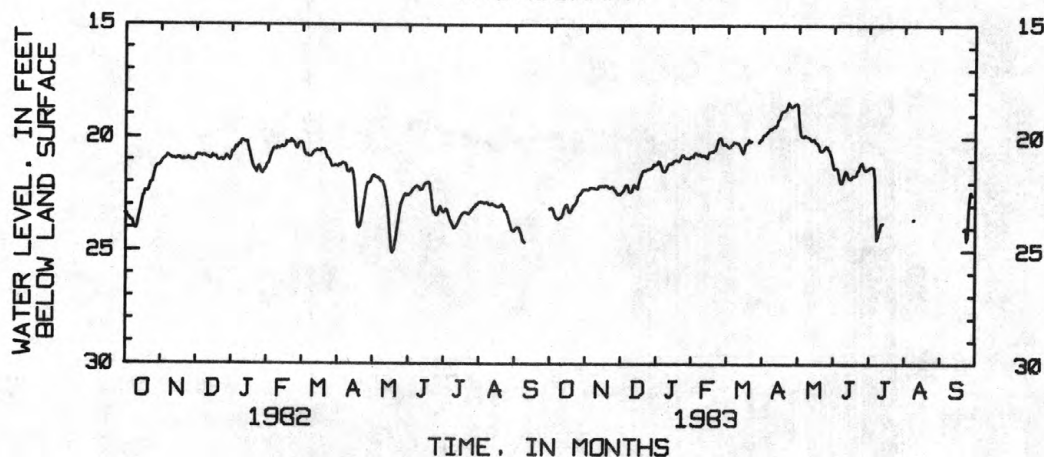
PERIOD OF RECORD.--October 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 18.46 ft below land-surface datum, Apr. 24, 1983; lowest, 25.23 ft below land-surface datum, July 27, 1977.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.17	22.30	22.47	21.17	20.87	20.29	20.07	18.50	21.13	21.39	---	---
2	23.11	22.32	22.42	21.06	20.71	20.36	19.94	18.62	21.39	21.37	---	---
3	23.18	22.32	22.34	21.07	20.67	20.43	19.85	19.30	21.40	21.32	---	---
4	23.30	22.23	22.23	21.23	20.71	20.45	19.90	19.84	21.35	21.30	---	---
5	23.48	22.23	22.11	21.36	20.77	20.41	19.80	19.93	21.40	21.32	---	---
6	23.58	22.24	22.10	21.50	20.73	20.34	19.75	19.98	21.61	21.36	---	---
7	23.60	22.25	22.24	21.53	20.72	20.29	19.68	19.97	21.88	21.73	---	---
8	23.63	22.26	22.41	21.50	20.81	20.19	19.61	19.91	22.03	23.46	---	---
9	23.58	22.28	22.43	21.41	20.79	20.22	19.63	19.97	22.00	24.52	23.62	---
10	23.54	22.29	22.39	21.28	20.80	20.24	19.58	19.99	21.86	24.37	23.61	---
11	23.47	22.26	22.25	21.18	20.79	20.23	19.53	20.01	21.63	24.15	---	---
12	23.36	22.16	22.09	21.16	20.86	20.27	19.49	20.04	21.48	23.94	---	---
13	23.16	22.16	22.16	21.16	20.92	20.36	19.52	20.12	21.54	23.80	---	---
14	23.02	22.17	22.24	21.13	20.75	20.46	19.43	20.15	21.69	23.77	---	---
15	22.97	22.15	22.27	21.04	20.65	20.61	19.26	20.09	21.80	---	---	---
16	23.09	22.20	22.06	21.03	20.63	20.71	19.17	20.08	21.85	---	---	---
17	23.28	22.15	21.85	20.99	20.61	20.55	19.04	20.22	21.79	---	---	---
18	23.32	22.14	21.72	21.02	20.64	20.30	18.88	20.24	21.70	---	---	---
19	23.25	22.16	21.56	21.04	20.57	20.26	18.84	20.29	21.70	---	---	---
20	23.13	22.24	21.47	21.06	20.55	20.22	18.82	20.39	21.69	---	---	---
21	23.01	22.26	21.45	20.96	20.41	20.09	18.81	20.58	21.68	---	---	24.07
22	22.97	22.22	21.47	20.84	20.23	20.19	18.76	20.60	21.50	---	---	24.09
23	22.89	22.19	21.42	20.76	20.06	20.16	18.63	20.58	21.43	---	---	24.00
24	22.79	22.21	21.39	20.82	20.01	---	18.46	20.54	21.31	---	---	24.57
25	22.60	22.32	21.39	20.89	20.03	---	18.56	20.46	21.17	---	---	24.43
26	22.54	22.36	21.38	20.91	20.22	---	18.65	20.38	21.11	---	---	23.16
27	22.49	22.46	21.35	20.93	20.32	---	18.65	20.41	21.25	---	---	22.57
28	22.41	22.55	21.29	20.93	20.32	---	18.61	20.51	21.41	---	---	22.42
29	22.32	22.51	21.19	20.92	---	20.21	18.56	20.59	21.46	---	---	22.56
30	22.30	22.54	21.21	20.84	---	20.21	18.52	20.71	21.43	---	---	---
31	22.31	---	21.19	20.84	---	20.09	---	20.87	---	---	---	---
MEAN	23.06	22.27	21.86	21.08	20.58	---	19.20	20.12	21.56	---	---	---
MAX	23.63	22.55	22.47	21.53	20.92	---	20.07	20.87	22.03	---	---	---
MIN	22.30	22.14	21.19	20.76	20.01	---	18.46	18.50	21.11	---	---	---

## HYDROGRAPH



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## APPENDIX

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APPENDIX

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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)

Parm. 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
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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)	1004
39362	DDD, suspended (ug/L)	1004
39367	DDE, suspended total (ug/L)	1116
39367	DDE, suspended (ug/L)	1116
39372	DDT, suspended total (ug/L)	1249
39372	DDT, suspended (ug/L)	1249
39573	Diazinon, suspended total (ug/L)	2048
39573	Diazinon, suspended (ug/L)	2048
39382	Dieldrin, suspended total (ug/L)	2113
39382	Dieldrin, suspended (ug/L)	2113
39392	Endrin, suspended total (ug/L)	
39392	Endrin, suspended (ug/L)	
01121	Gallium, suspended total (ug/L as Ga)	2123
01121	Gallium, suspended (ug/L as Ga)	2123
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)	1031
01518	Gross alpha radioactivity, suspended (ug/g as U natural)	1031
80040	Gross alpha radioactivity, suspended total (ug/L as U natural)	1031
80040	Gross alpha radioactivity, suspended (ug/L as U natural)	1031
80060	Gross beta radioactivity, suspended total (pCi/L as Sr/Yt-90)	1038
80060	Gross beta radioactivity, suspended (pCi/L as Sr/Yt-90)	1038
03516	Gross beta radioactivity, suspended total (pCi/L as Cs-137)	1001
03516	Gross beta radioactivity, suspended (pCi/L as Cs-137)	1001
03517	Gross beta radioactivity, suspended total (pCi/g as Sr/Yt-90)	1043
03517	Gross beta radioactivity, suspended (pCi/g as Sr/Yt-90)	1043
03518	Gross beta radioactivity, suspended total (pCi/g as Cs-137)	1043
03518	Gross Beta radioactivity, suspended (pCi/g as Cs-137)	1043

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
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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)



	Page		Page
Accuracy of field data and computed results. . . . .	19	Fork Creek at Jefferson. . . . .	35
Acre-foot, definition of . . . . .	5	Four Mile Creek at Road A-12.2 at Savannah River Plant . . . . .	236
Appendix . . . . .	321-339	near Jackson . . . . .	226-227
Aquifer, definition of . . . . .	5		
Artesian, definition of . . . . .	5		
		Gage height, definition of . . . . .	8
Back River at Cote Bas near North Charleston . . . . .	185-189	Gaging station, definition of . . . . .	8
Back River at DuPont Intake near Kittridge . . . . .	159-165	Gills Creek at Columbia. . . . .	120
Back River below Foster Creek near North Charleston. . . . .	190-191	Great Swamp near Ridgeland . . . . .	205-206
Bacteria, definition of . . . . .	6	Canal No. 1 near Ridgeland . . . . .	204
Beaverdam Creek at 400-D at Savannah River Plant . . . . .	223	Canal No. 2 near Ridgeland . . . . .	203
Beaverdam Creek at mouth at Savannah River Plant . . . . .	224-225		
Bed material, definition of . . . . .	6	Hamilton Creek near Easley . . . . .	111
Big Beaver Creek near St. Matthews . . . . .	121	Hanging Rock Creek near Kershaw. . . . .	36
Biochemical oxygen demand, definition of . . . . .	6	Hardness, definition of . . . . .	8
Biomass, definition of . . . . .	6	Hartwell Lake near Hartwell, Ga. . . . .	209
Black Creek near Hartsville. . . . .	30	Hellers Creek near Pomaria . . . . .	90
near McBee . . . . .	29	Horn Creek near Colliers . . . . .	211
Black River at Kingstree . . . . .	45-47	Hydrologic bench-mark station, definition of . . . . .	15
near Gable . . . . .	44	Hydrologic conditions, summary of . . . . .	3
Bottom material, definition of . . . . .	7	graph of . . . . .	4
Broad River at Alston. . . . .	105	Hydrologic unit, definition of . . . . .	8
at Richtex . . . . .	106		
near Carlisle. . . . .	65-72	Introduction . . . . .	1
near Jenkinsville. . . . .	98-104		
Broad River basin, surface water records in. . . . .	200	Lake Greenwood near Chappells. . . . .	114
		Lake Marion near Pineville . . . . .	125
Catawba River near Catawba . . . . .	49	Lake Moultrie near Pinopolis . . . . .	145
near Rock Hill . . . . .	48	Lake Murray near Columbia. . . . .	117
Catfish Canal at Sellers . . . . .	34	Lakes and reservoirs in Pee Dee River basin and Santee River basin. . . . .	249
Cedar Creek near Blythewood. . . . .	108	Lakes Marion-Moultrie diversion canal near Pineville . . . . .	122-124
Cells/volume, definition of . . . . .	7	Lake William C. Bowen near Fingerville . . . . .	61
CFS-day, definition of . . . . .	7	Land surface datum, definition of . . . . .	21
Chattooga River near Clayton, Ga . . . . .	207	Lawsons Fork Creek at Dewey Plant near Inman . . . . .	63
Chemical oxygen demand, definition of . . . . .	7	Little Pee Dee River at Galivants Ferry. . . . .	40
Chicken Creek near North Charleston. . . . .	181-184	Little River near Walhalla . . . . .	208
Chlorophyll, definition of . . . . .	7	Lower Three Runs near Snelling . . . . .	243
Clark Fork Creek near Smyrna . . . . .	59	Lynches River at Effingham . . . . .	37-39
Clark Hill Lake near Clarks Hill . . . . .	210		
Collection and computation of surface-water data . . . . .	15	Map showing location of crest-stage stations . . . . .	24
Collection and examination of water-quality data . . . . .	19	Map showing location of ground-water wells . . . . .	25
Collection and reporting of ground-water data. . . . .	21	Map showing location of streamflow stations, reservoir or lake gaging stations, and water-quality stations. . . . .	23
Color unit, definition of . . . . .	7	Measuring point, definition of . . . . .	21
Combahee River basin, crest-stage partial record stations in . . . . .	252	Methylene blue active substance, definition of . . . . .	8
Surface water records in . . . . .	199	Micrograms per gram, definition of . . . . .	8
Congaree River at Columbia . . . . .	119	Micrograms per liter, definition of . . . . .	9
Contents, definition of . . . . .	7	Middle Saluda River near Cleveland . . . . .	110
Control, definition of . . . . .	7	Milligrams per liter, definition of . . . . .	9
Control structure, definition of . . . . .	7	Minim Creek at AICWW near North Santee . . . . .	137-140
Cooperation. . . . .	2	Monticello Reservoir near Jenkinsville . . . . .	91-97
Cooper River at Inlet to Back River near Kittredge . . . . .	155-156		
Cooper River at Mobay near North Charleston. . . . .	178-180	National Geodetic Vertical Datum of 1929 (NGVD). . . . .	9
Cooper River at Rice Mill near Kittredge . . . . .	157-158	National stream-quality accounting network (NASQAN), definition of . . . . .	15
Cooper River basin, surface water records in . . . . .	145	Neals Creek near Carlisle. . . . .	64
Cooper River near Goose Creek. . . . .	166-173	New River basin, surface-water records in. . . . .	203
Cooper River near North Charleston . . . . .	174-177	Ninety-six Creek near Ninety-six . . . . .	115
Coosawatchie River near Hampton . . . . .	200-202	North Pacolet River at Fingerville . . . . .	60
Crawl Creek near Pineville . . . . .	128	North Santee River near North Santee . . . . .	135-136
Cubic foot per second, definition of . . . . .	7	North Tyger River near Fairmont. . . . .	73
Cubic feet per second per square mile, definition of . . . . .	7	Notice . . . . .	5
		Numbering system for wells and miscellaneous sites . . . . .	14
Data, accuracy of . . . . .	18		
other data available . . . . .	19	Organism, definition of . . . . .	9
Dean Swamp Creek near Salley . . . . .	192	Organism count/area, definition of . . . . .	9
Definition of terms. . . . .	5	Organism count/volume, definition of . . . . .	9
Discharge, definition of . . . . .	8		
Dissolved, definition of . . . . .	8	Pacolet River near Fingerville . . . . .	62
Downstream order and station numbers . . . . .	13	Partial record station, definition of . . . . .	9
Drainage area, definition of . . . . .	8	Particle size, definition of . . . . .	9
Drainage basin, definition of . . . . .	8	Particle size classification, definition of . . . . .	9
		Pee Dee River at Pee Dee. . . . .	31-33
Edisto River basin, crest-stage partial record stations in . . . . .	252	Pee Dee River basin, crest-stage partial record stations in . . . . .	250
Surface water records in . . . . .	192	Surface water records in . . . . .	28
Edisto River near Branchville. . . . .	195	Pen Branch at Road A-13.2 at Savannah River Plant . . . . .	237
near Givhans . . . . .	196-198	Pesticide program, definition of . . . . .	15
North Fork, at Orangeburg. . . . .	194	Pesticides, definition of . . . . .	10
Enoree River at Whitmire . . . . .	82-89	Picocurie, definition of . . . . .	10
Fecal coliform bacteria, definition of . . . . .	6		
Fecal streptococcal bacteria, definition of . . . . .	6		



	Page		Page
Plankton, definition of . . . . .	10	Specific conductance, definition of . . . . .	11
Preface. . . . .	III	Stage-discharge relation, definition of. . . . .	11
Publications . . . . .	22	Station numbers. . . . .	13
Radiochemical program, definition of . . . . .	15	Steel Creek at Old Hattiesville Bridge at Savannah River Plant. . . . .	240
Recoverable from bottom material, definition of.	13	near Snelling. . . . .	238-239
Reedy River near Ware Shoals . . . . .	113	Streamflow, definition of. . . . .	11
Reservoirs and lakes in Pee Dee River basin and Santee River basin. . . . .	249	Substrate, definition of . . . . .	11
Runoff in inches, definition of. . . . .	10	Surface area, definition of. . . . .	12
		Suspended, recoverable, definition of. . . . .	12
		Suspended, total, definition of. . . . .	12
Salkehatchie River near Miley. . . . .	199	Temperature, water . . . . .	20
Saluda River at Chappells. . . . .	116	Tons per acre-foot, definition of. . . . .	12
near Columbia. . . . .	118	Tons per day, definition of. . . . .	12
near Ware Shoals . . . . .	112	Total coliform bacteria. . . . .	6
Santee River basin, crest-stage partial-record stations in . . . . .	250-251	Total, definition of . . . . .	12
Surface water records in . . . . .	48	Total in bottom material, definition of. . . . .	13
Santee River below St. Stephens. . . . .	129	Total load, definition of. . . . .	12
near Honey Hill. . . . .	133-134	Total, recoverable, definition of. . . . .	13
near Jamestown. . . . .	131-132	Tritium network, definition of . . . . .	15
near Pineville . . . . .	126	Tyger River near Delta . . . . .	74-81
near Russellville. . . . .	127		
Savannah River at Augusta, Ga. . . . .	212-214	Upper Three Runs above Road C at Savannah River Plant . . . . .	218
at Burtons Ferry Bridge near Millhaven, Ga. . .		Upper Three Runs at Road A at Savannah River Plant . . . . .	219
below Steel Creek near Millett . . . . .	241-242	Upper Three Runs near New Ellenton . . . . .	215-217
near Clio, Ga. . . . .	245-248		
near Jackson . . . . .	220-222	Waccamaw River basin, surface water records in .	27
Savannah River basin, crest-stage partial record stations in . . . . .	252	Waccamaw River near Longs. . . . .	27
Surface water records in . . . . .	207	Water year, definition of. . . . .	13
Scape Ore Swamp near Bishopville . . . . .	41-43	Wateree River below Eastover . . . . .	51-58
Sediment, definition of. . . . .	10, 20	Wateree River near Camden. . . . .	50
Site No. 1 at Savannah River Plant . . . . .	228	Wedboo Creek near Jamestown. . . . .	130
Site No. 2 at Savannah River Plant . . . . .	229	Wells, description of. . . . .	14
Site No. 3 at Savannah River Plant . . . . .	230	Numbers of . . . . .	14
Site No. 4 at Savannah River Plant . . . . .	231	Water-level measurements in. . . . .	253-320
Site No. 5 at Savannah River Plant . . . . .	232	West Branch Cooper River at Mepkin Abbey near Cordesville . . . . .	146-147
Site No. 5B at Savannah River Plant. . . . .	233	West Branch Cooper River at Pimlico near Moncks Corner. . . . .	148-154
Site No. 6 at Savannah River Plant . . . . .	234	West Fork Little River near Salem Crossroads . .	107
Site No. 7 at Savannah River Plant . . . . .	235	Whites Creek near Wallace. . . . .	28
Smith Branch at North Main Street at Columbia. .	109	WRD, definition of . . . . .	13
Solute, definition of. . . . .	11	WSP, definition of . . . . .	13
South Fork Edisto River near Denmark . . . . .	193		
South Santee River at AICWW near McClellanville.	141-144		
Special networks and programs. . . . .	15		

## FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	$2.54 \times 10^1$	millimeters (mm)
	$2.54 \times 10^{-2}$	meters (m)
feet (ft)	$3.048 \times 10^{-1}$	meters (m)
miles (mi)	$1.609 \times 10^0$	kilometers (km)
<i>Area</i>		
acres	$4.047 \times 10^3$	square meters (m <sup>2</sup> )
	$4.047 \times 10^{-1}$	square hectometers (hm <sup>2</sup> )
	$4.047 \times 10^{-3}$	square kilometers (km <sup>2</sup> )
square miles (mi <sup>2</sup> )	$2.590 \times 10^0$	square kilometers (km <sup>2</sup> )
<i>Volume</i>		
gallons (gal)	$3.785 \times 10^0$	liters (L)
	$3.785 \times 10^0$	cubic decimeters (dm <sup>3</sup> )
	$3.785 \times 10^{-3}$	cubic meters (m <sup>3</sup> )
million gallons	$3.785 \times 10^3$	cubic meters (m <sup>3</sup> )
	$3.785 \times 10^{-3}$	cubic hectometers (hm <sup>3</sup> )
cubic feet (ft <sup>3</sup> )	$2.832 \times 10^1$	cubic decimeters (dm <sup>3</sup> )
	$2.832 \times 10^{-2}$	cubic meters (m <sup>3</sup> )
cfs-days	$2.447 \times 10^3$	cubic meters (m <sup>3</sup> )
	$2.447 \times 10^{-3}$	cubic hectometers (hm <sup>3</sup> )
acre-feet (acre-ft)	$1.233 \times 10^3$	cubic meters (m <sup>3</sup> )
	$1.233 \times 10^{-3}$	cubic hectometers (hm <sup>3</sup> )
	$1.233 \times 10^{-6}$	cubic kilometers (km <sup>3</sup> )
<i>Flow</i>		
cubic feet per second (ft <sup>3</sup> /s)	$2.832 \times 10^1$	liters per second (L/s)
	$2.832 \times 10^1$	cubic decimeters per second (dm <sup>3</sup> /s)
	$2.832 \times 10^{-2}$	cubic meters per second (m <sup>3</sup> /s)
gallons per minute (gal/min)	$6.309 \times 10^{-2}$	liters per second (L/s)
	$6.309 \times 10^{-2}$	cubic decimeters per second (dm <sup>3</sup> /s)
	$6.309 \times 10^{-5}$	cubic meters per second (m <sup>3</sup> /s)
million gallons per day	$4.381 \times 10^1$	cubic decimeters per second (dm <sup>3</sup> /s)
	$4.381 \times 10^{-2}$	cubic meters per second (m <sup>3</sup> /s)
<i>Mass</i>		
tons (short)	$9.072 \times 10^{-1}$	megagrams (Mg) or metric tons



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