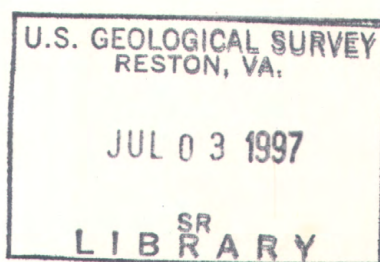


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# Water Resources Data South Carolina Water Year 1996



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-96-1  
Prepared in cooperation with the State of South Carolina  
and with other local and Federal agencies



# CALENDAR FOR WATER YEAR 1996

1995

## OCTOBER

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

## NOVEMBER

S	M	T	W	T	F	S
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## DECEMBER

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31						

1996

## JANUARY

S	M	T	W	T	F	S
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## FEBRUARY

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## MARCH

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31						

## APRIL

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## MAY

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## JUNE

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30						

## JULY

S	M	T	W	T	F	S
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28	29	30	31			

## AUGUST

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

## SEPTEMBER

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





# Water Resources Data South Carolina Water Year 1996

by T.W. Cooney, K.H. Jones, P.A. Drewes, J.W. Gissendanner, and  
B.W. Church



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-96-1  
Prepared in cooperation with the State of South Carolina  
and with other local and Federal agencies



U. S. DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

U. S. GEOLOGICAL SURVEY

Gordon P. Eaton, Director

For information on the water program in South Carolina write to:  
District Chief, Water Resources Division  
U.S. Geological Survey  
Stephenson Center-Suite 129  
720 Gracern Road  
Columbia, South Carolina 29210-7651

1996



## PREFACE

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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-water 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:

J. M. Barton	S. W. Logan
J. M. Booth	K. B. Long
P. A. Conrads	F. Melendez
B. L. Daniels	T. E. Moad
F. H. Dew	G. L. Murray
J. W. Erbland	I. S. Roberts
T. D. Feaster	D. F. Skipper
J. M. Hall	C. A. Smith
H. E. Herlong	B. F. Wahl
A. A. Jackson	

Jan Marie Booth typed, edited, and assembled the report.

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13. ABSTRACT (Maximum 200 words) Water Resources data for the 1996 water year for South Carolina consists of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and levels of ground-water wells. This volume contains records for water discharge at 136 gaging stations, stage only at 31 gaging stations, stage and contents at 13 lakes and reservoirs, water-quality at 34 gaging stations and at one observation well, water temperature at 15 gaging stations, and water levels at 57 observation wells. Also included are data for 66 crest-stage partial-record stations and discharge measurement information at 4 locations. Locations of these sites are shown on figures 3, 4, 5, 6, and 7. Additional water data were collected at various sites not involved in the systematic data-collection program. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and co-operating State and Federal agencies in South Carolina.				
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NOTE.--Data for partial-record stations and miscellaneous sites for both surface-water discharge and quality are published in separate sections of the data report. See references at the end of this list for page numbers for these sections.

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

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<u>SOUTH ATLANTIC SLOPE BASINS</u>		
<u>WACCAMAW RIVER BASIN</u>		
Waccamaw River near Longs (dc)	.02110500	30
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<u>LITTLE RIVER BASIN</u>		
AIW at Briarcliffe Acres at North Myrtle Beach (c)	.02110755	38
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AIW at Grand Strand Airport at North Myrtle Beach (c)	.02110770	42
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South Carolina Department of Natural Resources Cluster Two (AK-824) . . . . .	332615081461701	419
South Carolina Department of Natural Resources Cluster Two (AK-825) . . . . .	332616081461601	420
South Carolina Department of Natural Resources Cluster Three (AK-826) . . . . .	333230081290501	421
South Carolina Department of Natural Resources Cluster Three (AK-845) . . . . .	333235081290801	422
South Carolina Department of Natural Resources Cluster Three (AK-846) . . . . .	333233081290802	423
South Carolina Department of Natural Resources Cluster Three (AK-847) . . . . .	333234081290703	424
South Carolina Department of Natural Resources Cluster Three (AK-848) . . . . .	333233081290704	425
South Carolina Department of Natural Resources Cluster Three (AK-849) . . . . .	333232081290605	426
<b>ANDERSON</b>		
City of Williamston (AND-326) . . . . .	343714082285600	427
<b>BARNWELL</b>		
South Carolina Department of Natural Resources Cluster Six (BW-349) . . . . .	331037081184301	428
South Carolina Department of Natural Resources Cluster Six (BW-350) . . . . .	331039081184201	429
South Carolina Department of Natural Resources Cluster Six (BW-351) . . . . .	331038081184201	430
South Carolina Department of Natural Resources Cluster Six (BW-352) . . . . .	331044081185301	431
South Carolina Department of Natural Resources Cluster Six (BW-353) . . . . .	331043081185401	432
South Carolina Department of Natural Resources Cluster Six (BW-354) . . . . .	331044081185401	433
South Carolina Department of Natural Resources Cluster Six (BW-355) . . . . .	331044081185501	434
South Carolina Department of Natural Resources Cluster Six (BW-356) . . . . .	331043081185601	435
South Carolina Department of Natural Resources Cluster Five (BW-358) . . . . .	331914081242801	436
South Carolina Department of Natural Resources Cluster Five (BW-359) . . . . .	331916081242801	437
South Carolina Department of Natural Resources Cluster Five (BW-360) . . . . .	331915981242801	438
South Carolina Department of Natural Resources Cluster Five (BW-365) . . . . .	331903081242702	439
South Carolina Department of Natural Resources Cluster Five (BW-366) . . . . .	331901081242801	440
South Carolina Department of Natural Resources Cluster Five (BW-367) . . . . .	331902081242804	441
South Carolina Department of Natural Resources Cluster Five (BW-368) . . . . .	331901081242703	442
<b>BEAUFORT</b>		
Hilton Head, U.S. Geological Survey (BFT-101) . . . . .	321005080442705	443
U.S. Marine Corps Air Station, U.S. Marine Corps (BFT-121) . . . . .	322745080435800	444
Victoria Bluff, S.C. Wildlife & Marine Resources Dept. (BFT-429) . . . . .	321551080491003	445
Hilton Head Island, Hilton Head Plantation (BFT-1810)(c) . . . . .	321603080432202	446
Hilton Head Island, Port Royal Plantation (BFT-1814) . . . . .	321358080403802	449
<b>BERKELEY</b>		
Summerville, Conifer Hall Subdivision (BRK-431) . . . . .	331022080021801	450
<b>CHARLESTON</b>		
Charleston, SCE & G Substation at Concord Street (CHN-14) . . . . .	324729079472001	451
Charleston, U.S. Department of Agriculture (CHN-44) . . . . .	324741080041400	452
Charleston, U.S. Forest Service (CHN-101) . . . . .	330247079340300	453
<b>CHEROKEE</b>		
Town of Blacksburg (CRK-67) . . . . .	350927081270100	454
<b>CHESTER</b>		
U.S. Forest Service at Leeds Fire Tower (CTR-21) . . . . .	344000081250011	455
<b>COLLETON</b>		
Canadys, S.C. Water Resources Commission (COL-97) . . . . .	330256080354500	456
<b>FLORENCE</b>		
Timmons ville, Town of Timmons ville (FLO-85) . . . . .	340806079563100	457
Florence, City Products (FLO-99) . . . . .	341200079444100	458
Florence, E. I. Dupont de Nemours, Inc. (FLO-128) . . . . .	341144079345001	459
<b>GEORGETOWN</b>		
Georgetown, Georgetown Rural Water District (GEO-77) . . . . .	332424079171800	460
<b>GREENVILLE</b>		
Greenville, Brushy Creek School (GRV-709) . . . . .	345335082185800	461
Caesars Head State Park (GRV-712) . . . . .	350622082373608	462
<b>HAMPTON</b>		
Yemassee, South Carolina Water Resources Commission (HAM-83) . . . . .	324143080505900	463
<b>KERSHAW</b>		
Bethune, Mount Pisgah School (KER-263) . . . . .	343330080263700	464
<b>LAURENS</b>		
U.S. Forest Service, Tip Top Fire Tower (LAU-52) . . . . .	342948081451001	465
<b>MARION</b>		
Britton Neck, South Carolina Forestry Commission (MN-77) . . . . .	335143079195000	466
<b>MARLBORO</b>		
Bennettsville, Oak River Mills (MLB-110) . . . . .	342935079431000	467
Bennettsville, Town of Bennettsville (MLB-112) . . . . .	343715079411500	468
<b>MCCORMICK</b>		
Baker Creek State Park (MCK-52) . . . . .	335336082214600	469
<b>OCONEE</b>		
South Carolina Department of Parks, Recreation, and Tourism (OC-233) . . . . .	345051083041800	470
<b>RICHLAND</b>		
Columbia, Lincolnshire subdivision (RIC-309) . . . . .	340540081021508	471
<b>SALUDA</b>		
Hollywood Elementary School at Saluda (SAL-69) . . . . .	340517081401300	472
<b>SPARTANBURG</b>		
South Carolina Department of Parks, Recreation, and Tourism (SP-1581) . . . . .	345145081502900	473
<b>YORK</b>		
Fort Mill, Tega Cay Development Co. (YK-147) . . . . .	350150081012500	474



## WATER RESOURCES DATA FOR SOUTH CAROLINA, 1996

## DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in South Carolina have been discontinued. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station. Those stations with an asterisk (\*) after the station number are currently operated as crest-stage partial-record stations. Discontinued project stations with less than 3 years of record have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back side of the title page of this report.

[Letters after station name designate type of data collected: (d) discharge, (e) elevation (stage only)]

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi <sup>2</sup> )	Period of record
PEE DEE RIVER BASIN			
Whites Creek near Wallace, S.C. (d)	02129590	26.4	1980-95
Cedar Creek at Society Hill, S.C. (d)	02130600	58.2	1971-81
Catfish Canal at Sellers, S.C. (d)	02131150	27.4	1967-92
Lynches River near Bishopville, S.C. (d)	02131500*	675	1943-71
Little Pee Dee River near Dillon, S.C. (d)	02132500*	524	1939-71
Black River near Gable, S.C. (d)	02135500	401	1951-66, 1972-92
Pocotaoliago River at Sumter, S.C. (d)	02135517	134	1993-95
Pocotaoliago River near Sumter, S.C. (d)	02135600	185	1993-95
Pocotaoliago River at Manning, S.C. (d)	02135625	306	1994-95
SANTEE RIVER BASIN			
Catawba River at Catawba, S.C. (d)	02147000	3,530	1968-92
Bear Creek at Lancaster, S.C. (d)	02147240	66.6	1978-82
Colonels Creek near Leesburg, S.C. (d)	02148300	38.1	1966-80
Broad River near Gaffney, S.C. (d)	02153500	1,490	1938-71, 1986-90
Lake William C. Bowen near Fingerville, S.C. (e)	02154950	79.4	1972-84, 1987-88
Black Creek near Fingerville, S.C. (d)	02155600	10.0	1967-69
Pacolet River near Clifton, S.C. (d)	02156000	320	1940-71
Lawsons Fork Creek at Spartanburg, S.C. (d)	02156300*	74.7	1966-70
North Tyger River near Fairmont, S.C. (d)	02157000	44.4	1951-88
Middle Tyger River at Lyman, S.C. (d)	02157500*	68.3	1938-67
North Tyger River near Moore, S.C. (d)	02158000	162	1934-67
Maple Creek near Duncan, S.C. (d)	021584051	10.2	1993-95
South Tyger River Below Lyman, S.C. (d)	02158410	96.3	1993-95
South Tyger River near Reidville, S.C. (d)	02158500	106	1935-67
South Tyger River near Woodruff, S.C. (d)	02159000	174	1934-71
Tyger River near Woodruff, S.C. (d)	02159500	351	1930-56
Dutchman Creek near Pauline, S.C. (d)	02159600*	8.9	1966-69

## DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (mi <sup>2</sup> )	Period of record
Fairforest Creek at Spartanburg, S.C. (d)	02159800	17.0	1966-70
Fairforest Creek near Union, S.C. (d)	02160000*	183	1940-71
Enoree River near Enoree, S.C. (d)	02160500*	307	1930-77
Hellers Creek near Pomaria, S.C. (d)	02160775	8.16	1980-94
Broad River at Richtex, S.C. (d)	02161500	4,850	1926-28, 1930-83
Crane Creek at Columbia, S.C. (d)	02162080	66.5	1968-74
Saluda River near Pelzer, S.C. (d)	02163000	405	1930-71
Hamilton Creek near Easley, S.C. (d)	02162525*	1.6	1981-86
Saluda River near Silverstreet, S.C. (d)	02167500	1,620	1927-65
Congaree Creek at Cayce, S.C. (d)	02169550	122	1960-80
Big Beaver Creek near St. Matthews, S.C. (d)	02169630	10.0	1966-93
Cedar Creek below Myers Creek near Hopkins, S.C. (d)	02169670	66.9	1981-85
Lake Marion at Buckingham Landing near Lone Star, S.C. (e)	02169850	---	1977-80
Lake Marion at Rimini, S.C. (e)	02169900	14,194	1975-78
Santee River at Ferguson, S.C. (d)	02170000	14,600	1908-41
Lakes Marion-Moultrie Diversion Canal near Pineville, S.C. (d)	02170500	---	1944-86
Santee River below St. Stephens, S.C. (d)	02171650	14,900	1966-82
Wedboo Creek near Jamestown, S.C. (d)	02171680	17.4	1966-72, 1973-92
Minim Creek at AIW near North Santee, S.C. (e)	02171820	---	1974-75, 1976-93
COOPER RIVER BASIN			
East Branch Cooper River near Goose Creek, S.C. (e)	02172037	---	1991-95
Cooper River at Army Depot near North Charleston, S.C. (e)	021720675	---	1993-95
Foster Creek at Goose Creek, S.C. (e)	021720612	---	1991-94
WANDO RIVER BASIN			
Wando River above Cainhoy, S.C. (e)	021720694	---	1992-95
Guerin Creek above Cainhoy, S.C. (e)	021720695	---	1992-95
Wando River at Cainhoy, S.C. (e)	021720696	---	1992-95
Wando River above Mount Pleasant, S.C. (e)	021720698	---	1992-95
ASHLEY RIVER BASIN			
Ashley River at Cooke Crossroads, S.C. (e)	02172081	---	1992-95
Ashley River near North Charleston, S.C. (e)	021720869	---	1992-95

## WATER RESOURCES DATA FOR SOUTH CAROLINA, 1996

## DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (mi <sup>2</sup> )	Period of record
Ashley River at Charleston, S.C. (e)	02172090	---	1992-95
Wappoo Creek at James Island, S.C. (e)	02172091	---	1992-95
CHARLESTON HARBOR			
AIW at Sullivans Island, S.C. (e)	02172095	---	1992-95
Charleston Harbor at Fort Sumter near Mount Pleasant, S.C. (e)	02172100	---	1992-95
EDISTO RIVER BASIN			
South Fork Edisto River near Montmorenci, S.C. (d)	02172500*	198	1940-66
Cow Castle Creek near Bowman, S.C. (d)	02174250	23.4	1971-81
COMBAHEE RIVER BASIN			
Combahee River near Yemassee, S.C. (d)	02176000	1,100	1951-57
BROAD RIVER BASIN			
Great Swamp near Ridgeland, S.C. (d)	02176875*	48.8	1977-84
SAVANNAH RIVER BASIN			
Keowee River near Jocassee, S.C. (d)	02185000	148	1950-68
Lake Keowee near Six Mile, S.C. (e)	02185300	795	1989-90
Keowee River near Newry, S.C. (d)	02185500	455	1939-61
Seneca River near Anderson, S.C. (d)	02187000	1,026	1928-59
Savannah River near Iva, S.C. (d)	02187500	2,231	1950-81
Rocky River near Calhoun Falls, S.C. (d)	02188000	267	1950-66
Savannah River near Calhoun Falls, S.C. (d)	02189000	2,876	1897-98, 1899-1900, 1930-32, 1938-81
Savannah River near Clarks Hill, S.C. (d)	02195000	6,150	1940-54
Horn Creek near Colliers, S.C. (d)	02196250	13.9	1981-94
Augusta Canal at Augusta, Ga. (d)	02196500	---	1931-57, 1989-92
A-003 at Savannah River Site, S.C. (d)	021973026	---	1984-94
A-011 at Savannah River Site, S.C. (d)	021973028	---	1984-94
Steel Creek near Snelling, S.C. (e)	02197357	---	1988-95



## DISCONTINUED SURFACE-WATER-QUALITY STATIONS

The following stations were discontinued as continuous-record surface-water-quality stations prior to the 1995 water year. Daily records of temperature, specific conductance, pH, or dissolved oxygen were collected and published for the period of record shown, expressed in water years, for each station.

## Discontinued continuous-record surface-water-quality stations

Station name	Station number	Type of record	Period of record
Waccamaw River at Pitch Landing near Conway, S.C.	02110707	Temp., S.C., pH, D.O.	1986-89
AIW at Vereens Marina at North Myrtle Beach, S.C.	02110730	S.C.	1984-91
AIW at Briarcliffe Acres at North Myrtle Beach, S.C.	02110755	Temp., pH, D.O.	1986-89
AIW at Myrtlewood Golf Course at Myrtle Beach, S.C.	02110760	Temp., pH, D.O.	1986-89
AIW at Highway 9 at Nixons Crossroads, S.C.	02110777	pH	1986-89
Waccamaw River at Bucksport, S.C.	02110802	pH	1986-89
Waccamaw River at Wachesaw Landing near Murrells Inlet, S.C.	02110809	Temp., S.C., pH, D.O.	1986-89
Waccamaw River at Mt. Rena near Murrells Inlet, S.C.	02110812	Temp., S.C., pH, D.O.	1986-89
Waccamaw River at Hagley Landing near Pawleys Island, S.C.	02110815	pH	1986-89
Pee Dee River at Highway 701 near Bucksport, S.C.	02135200	pH	1986-89
Black River near Rhems, S.C.	02136070	Temp., S.C.	1963-66
Winyah Bay at Mouth near Georgetown, S.C.	02136390	Temp., S.C., pH, D.O.	1986-89
Monticello Reservoir near Jenkinsville, S.C.	02160900	Temp., S.C., pH, D.O.	1978-94
Minim Creek at AIW near North Santee, S.C.	02171820	S.C.	1979-93
South Santee River at State Pier near McClellanville, S.C.	02171905	S.C.	1987-93
West Branch Cooper River near Monks Corner, S.C.	02172017	Temp.	1976-82
West Branch Cooper River at Pimlico near Moncks Corner, S.C.	02172020	pH, D.O.	1983-93
Cooper River at Rice Mill near Kittredge, S.C.	02172030	S.C.	1981-85
Back River at Dupont Intake near Kittredge, S.C.	02172040	pH, D.O.	1981-93
Cooper River near Goose Creek, S.C.	02172050	pH	1981-93
Cooper River at Mobay near North Charleston, S.C.	02172053	pH, D.O.	1983-93
Chicken Creek at North Charleston, S.C.	021720605	Temp., S.C.	1982-86
Edisto River near Jacksonboro, S.C.	02175030	Temp.	1959-62
Savannah River at Augusta, Ga.	02197000	Temp.	1974-86, 1990-93
Savannah River near Jackson, S.C.	02197320	Temp.	1972-94
Beaverdam Creek at Mouth at Savannah River Site, S.C.	021973265	Temp.	1980-94
L-Lake above Dam at SRS, S.C.	02197353	Temp.	1988-93
Steel Creek near Snelling, S.C.	02197357	Temp.	1980-94
Savannah River below Steel Creek near Millett, S.C.	02197370	Temp.	1972-93
Lower Three Runs below Par Pond at SRS, S.C.	02197380	Temp.	1984-93



## INTRODUCTION

Water resources data for the 1996 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 136 gaging stations; stage-only records for 31 gaging stations; stage and contents for 13 lakes and reservoirs; water quality for 34 gaging stations; water-temperature only for 15 gaging stations; and water levels for 57 observation wells. Also included are data for 66 crest-stage partial-record stations and discharge measurements at 4 miscellaneous sites. 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-95-1." 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 Technic Information Service, U.S. Department of Commerce, Springfield, VA 2216

## 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:

Beaufort-Jasper Sewer and Water Authority, W. D. Moss, Jr., General Manager  
City of Camden  
City of Charleston, S. W. Kinard, Manager of Commission of Public Works  
City of Dillon  
City of Greer  
City of Spartanburg, Myles W. Whitlock, Jr., Chairman of Commissioners of Public Works  
City of Mount Pleasant  
City of Myrtle Beach, T. Leath, City Manager  
Laurens County Water and Sewer Commission, C.J. Earle, Executive Director  
Oconee County Sewer Commission, R.C. Winchester, General Superintendent  
South Carolina Department of Natural Resources, J.H. Timmerman, Executive Director  
South Carolina Public Service Authority, Kenneth R. Ford, President  
South Carolina Department of Transportation, D. Fanning, Executive Director  
South Carolina Department of Health and Environmental Control,  
D. Bryant, Commissioner  
Spartanburg Sanitary Sewer District, E. D. Mitchell, Assistant Director  
Spartanburg County Environmental Services Department, R. Lilyquist, Director  
Waccamaw Regional Planning and Development Council, B. Schwartzkopf, Director of Planning  
Western Carolina Regional Sewer Authority, J. M. Pappas, Executive Director

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

National Park Service  
U.S. Army Corps of Engineers  
U.S. Department of Energy

The following organizations aided in collecting records:

Allied-Signal Incorporated  
Bowater-Carolina Corporation  
Brewer Gold Company  
Caro-Knit, Inc.  
Carolina Power and Light Company  
Duke Power Company  
Martin-Marietta  
Milliken  
South Carolina Electric and Gas Company  
Union Camp



## WATER RESOURCES DATA FOR SOUTH CAROLINA, 1996

## SUMMARY OF HYDROLOGIC CONDITIONS

## Streamflow

Rainfall totals and streamflows varied throughout South Carolina during the 1996 water year. Rainfall in the Piedmont, as indicated by the National Weather Service (NWS) station at the Greenville-Spartanburg Airport, was about 10 percent above normal for the year. Rainfall recorded near Columbia and Charleston by the NWS was about 28 percent below normal and about 16 percent below normal, respectively, for the year.

Heavy rainfall associated with hurricane Fran in early September caused localized flooding in Horry and Georgetown counties. Gaging station 02110500 (Waccamaw River near Longs, SC) recorded the second highest discharge for the period of record (1950-96 water years) at 15,800 ft<sup>3</sup>/s, which exceeded the 50-year recurrence interval.

Minimum daily mean discharges were higher than the minimum daily means for the period of record at most stations. Minimum daily mean discharges for the 1996 water year and the period of record are presented for seven index stations in the following table.

Station	Drainage area (square mile)	Minimum daily mean discharge 1996 water year (cubic feet per second)	Minimum daily mean discharge for period of record (cubic feet per second)
<u>Piedmont</u>			
02154500 North Pacolet River at Fingerville	116	93	27
02162010 Cedar Creek near Blythewood	48.9	.10	0.07
<u>Upper Coastal Plain</u>			
02130900 Black Creek near McBee	108	30	17
02173000 South Fork Edisto River near Denmark	720	317	133
02197300 Upper Three Runs near New Ellenton	98.7	92	53
<u>Lower Coastal Plain</u>			
02132000 Lynches River at Effingham	1030	169	95
02176500 Coosawhatchie River near Hampton	203	.18	.0

A comparison of monthly and yearly mean discharges during the 1996 water year and the median monthly and yearly mean discharges for the period of record for two of the above index stations are shown in figure 1. Monthly mean discharges for the Upper Three Runs near New Ellenton station were above normal for the year. The monthly mean discharges for the Lynches River near Effingham station were substantially higher than the long-term median flow in October, November, and September, and near normal the remainder of the year.

## Ground Water

Ground-water levels reflect both the climatic conditions of the region and ground-water withdrawals. In the Piedmont ground water occurs in the fault and fracture systems of the crystalline rocks and in the shallow unconsolidated material overlying the rock. Water levels in the shallow water table aquifer in the Piedmont, which is not heavily pumped, decreased slightly during the 1996 water year at an observation well near Greenville. Water levels in an unused 80-foot deep water table well, GRV-709, increased slightly from 30.05 feet below land surface on October 1, 1995, to 29.97 feet below land surface on September 30, 1996, and varied about two feet during the water year.

In the Coastal Plain, ground water occurs in multiple aquifer systems, mostly under artesian or confined conditions. Ground water is used extensively in this part of the State. At Charleston, levels in well CHN-14 increased about eight feet from October 1, 1995, to February, and declined to 62.46 feet on September 30, 1996. The water level in well GEO-77, an observation well at Georgetown, decreased from 121.56 feet on October 1, 1995 to 125.99 feet on September 30, 1996.

Variation in water levels for wells included in this report are illustrated by hydrographs below the tables in the Ground-Water section of this report.

## Water Quality

Record low dissolved-oxygen concentrations were recorded at many sites in the coastal areas of Horry and Georgetown counties after hurricane Fran. Surface water samples were collected at stations 02110500 (Waccamaw River near Longs, SC) and 02135000 (Little Pee Dee River at Galivants Ferry, SC) to document the affects of the storm.

WATER RESOURCES DATA FOR SOUTH CAROLINA, 1996  
HYDROLOGIC CONDITIONS

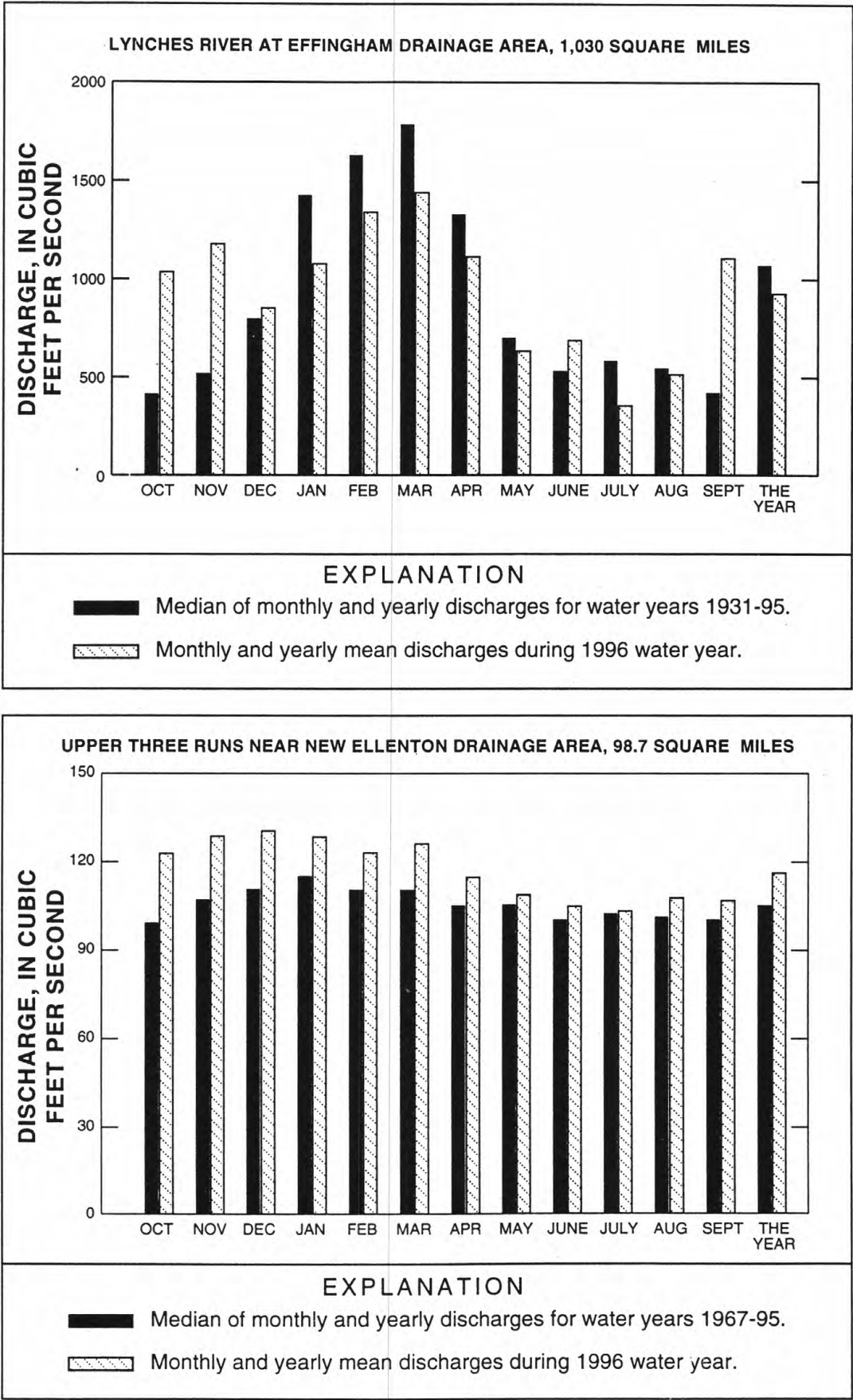


Figure 1. Monthly and yearly mean discharges at two long-term representative gaging stations during 1996 water year with the median discharges for the period of record.

## 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 the report.

## DEFINITION OF TERMS

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

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

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

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

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

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

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all the organisms which produce blue colonies within 24 hours when incubated at 44.5°C  $\pm$  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  $\pm$  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.

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

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

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

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

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

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

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

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

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

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

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

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

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

Milligrams per liter (MG/L, 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 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</u>	<u>(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 (dis-integrations 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.

Sea Level in this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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

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 microsiemens per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance in (micromsiemens). 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."



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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, 1996, is called the "1996 water year."

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

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

## DOWNSTREAM ORDER AND STATION NUMBERS

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

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for 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 or 9-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 or 7-digit downstream order number 175000.



## NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8 or 9-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, minute 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.

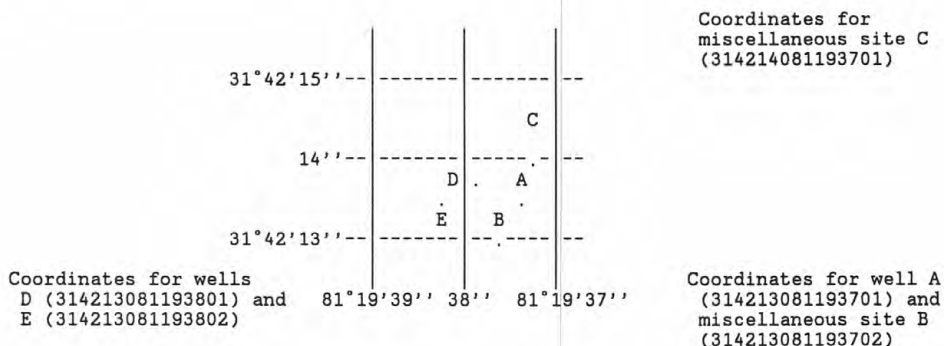


Figure 2.--System for numbering wells and miscellaneous sites (latitude and longitude)

## SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within four of the Nation's largest river basin--the Mississippi, Columbia, Colorado, and Rio Grande. The network consists of 39 stations. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the Nation Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and remobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to accomplish the following objectives; (1) Provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites. (2) Provide the mechanism to evaluate the effectiveness of the significant reduction of SO<sub>2</sub> emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred. (3) Provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO<sub>2</sub> and NO<sub>x</sub> scheduled to begin in 2000.

Data from the network, as well as information about individual sites, are available through the world wide web at:

<http://nadp.nrel.colostate.edu/NADP>

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 53 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies.

Additional information about the NAWQA Program is available through the world wide web at:

[http://www.rvares.er.usgs.gov/nawqa/nawqa\\_home.html](http://www.rvares.er.usgs.gov/nawqa/nawqa_home.html)

## RECORDS OF STAGE AND WATER DISCHARGE

### Data Collection and Computation

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 (figures 3, 4, 6). 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, from a water-stage recorder that punches a tape at selected time intervals or from a data collection platform that collects and transmits data 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 textbooks, in Water-Supply Paper 2175, and the U.S. Geological Survey Techniques of Water-Resources Investigations (TWRI's), Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

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.

At some gaging stations, acoustic velocity meter (AVM) systems are used to compute discharge. The AVM system measures the streams velocity at one or more paths in the cross section. Coefficients are developed to relate this path velocity to the mean velocity in the cross section. Because the AVM sensors are fixed in position, the adjustment coefficients generally vary with stage. Cross-sectional area curves are developed to relate stage, recorded as noted above, to cross section area. Discharge is computed by multiplying path velocity by the appropriate stage related coefficient and area.

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."

### Data Presentation

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

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

### Station manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

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

**DRAINAGE AREA.**--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps are available.

**PERIOD OF RECORD.**--This indicates the period for which records have been published for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not and whose location was such that flow at it can reasonably be considered equivalent to flow at the present station.

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

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

**REMARKS.**--All periods of estimated daily discharges will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a REMARKS paragraph is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

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



## WATER RESOURCES DATA FOR SOUTH CAROLINA, 1996

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

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

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the District Office (address given on the back of the title page of this report) to determine if the published records were ever revised after the stations was discontinued. Of course, if the data for a discontinued station were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

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

#### Data table of daily mean values

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

#### Statistics of monthly mean data

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

#### Summary statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but previous calendar year and for designated period, as appropriate. The designated period selected, "WATER YEARS \_\_\_\_\_," will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (See line headings below.), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated using complete water years. The other statistical characteristics may be calculated using partial water years.

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



## WATER RESOURCES DATA FOR SOUTH CAROLINA, 1996

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

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

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

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

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

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

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

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

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

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

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

ANNUAL RUNOFF (AC-FT).--Indicates the depth, in acre-feet, to which the drainage area would be covered if all the runoff for the year were uniformly distributed on it.

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

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

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

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

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

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

Data collected at partial-record stations follow the information for continuous record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

## WATER RESOURCES DATA FOR SOUTH CAROLINA, 1996

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.

Revised records

Previously, if a significant error in published records was discovered, a revision was published in the first report following discovery of the error. This paragraph then served to document for users all the reports in which revisions had been published for the station and the water years to which the revisions applied. However, beginning with the 1983 water year, revisions will no longer be published but appropriate changes will be made in WATSTORE files. All previous revisions are, of course, in WATSTORE, and users are encouraged to obtain all required data from the WATSTORE computer files (see the section, "Access to WATSTORE Data").

Under "Revised Records," a year listed without qualification indicates that daily, monthly, or annual discharges were revised. The qualifications (M), (m), and (P) mean that only the instantaneous maximum, the instantaneous or daily minimum, and flood peaks above the base, respectively, have been revised. A "W" for "WATSTORE" will be shown, replacing the name of the data report in which the revised values would previously have been published, for all revisions made after 1982. For example, the notation for indicating that the 1979 water-year daily values for a particular station in South Carolina have been revised during the 1983 water year would no longer be "WRD SC-83-1: 1979," but "W 1983: 1979." If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

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.

## WATER RESOURCES DATA FOR SOUTH CAROLINA, 1996

## RECORDS OF SURFACE-WATER QUALITY

Data Collection and Examination

Surface water samples for analyses usually are collected at or near gaging stations (fig. 5). The quality-of-water records are given immediately following the stage or 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.

Revisions

If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates. In March 1991 the National Water-Quality Laboratory discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L have a median positive bias of 2 mg/L above the true value for the period between 1982 and 1991. Sulfate values in this report have not been corrected for this bias.

On-site Measurements and Sample Collection

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations. Procedures for onsite measurements and for collecting, treating, and shipping samples are detailed in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards.

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 U.S.G.S. mini-monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured. These daily values are based upon hourly tape-punches or data collection platform transmissions 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.

Historical and current (1996) dissolved trace-element concentrations are reported herein for water that was collected, processed, and analyzed by using either ultraclean or other than ultraclean techniques. If ultraclean techniques were used, then those concentrations are reported in nanograms per liter. If other than ultraclean techniques were used, then those concentrations are reported in micrograms per liter and could reflect contamination introduced during some phase of the procedure.

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

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. Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards. 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 for some stations.

## WATER RESOURCES DATA FOR SOUTH CAROLINA, 1996

Laboratory Measurements

Samples for indicator bacteria are analyzed locally. Samples for the National Stream Quality Accounting Network, the Hydrologic Bench-Mark Network (see definitions), and several long-term trend stations are analyzed in the U.S. Geological Survey laboratory in Arvada, CO. All sediment samples are analyzed by the Kentucky District Sediment Laboratory. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

## SURFACE-WATER-DISCHARGE AND SURFACE-WATER-QUALITY RECORDS

Remarks Codes

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

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

## Dissolved Trace-Element Concentrations

Note.--Traditional, dissolved trace-element concentrations have been reported at the microgram per liter (ug/L) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Data above the ug/L level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994.

## Change in National Trends Network Procedures

Note.--Sample handling procedures at all National Trends Network stations were changed substantially on January 11, 1994, in order to reduce contamination from the sample shipping container. The data for samples before and after that date are different and not directly comparable. A tabular summary of the differences based on special intercomparison study, is available from the NADP/NTN Coordination Office, Colorado State University, Fort Collins, CO 80523 (Telephone: 303-491-5643).



## RECORDS OF GROUND-WATER LEVEL AND QUALITY

Data Collection and Computation

The ground-water level data published in this report is from a basic network of observation wells located across the State (fig. 7). 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).

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey TWRI publications referred to in the "On-site Measurements and Sample Collection" and the "Laboratory Measurements" sections in this data report. In addition, the TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

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 sea level or land-surface datum (lsd). 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 sea level 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 accurate.

Data Presentation

Each well record consists of three parts, the station description, the data tables of water levels observed during the current year, and a graph of the water levels for the current water year or other selected period. The description of the well is presented first through use of the descriptive headings preceding the tabular data. The comments to follow clarify information presented under the various headings of the well description.

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

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

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

**INSTRUMENTATION.**--This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on weekly, monthly, or some other frequency of measurement.

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

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

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

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

A table of water levels follows the station description for each well. Water levels are reported in feet below land-surface datum and all taped measurements of water level are listed. For wells equipped with recorders, only abbreviated tables are published; generally, only water-level lows are listed for every fifth day and at the end of the month (eom). The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the abbreviated table. Because all values are not published for wells with records, the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of water level. Monthly minimums, maximums and means are determined for months with five or fewer days of missing record. A hydrograph for a selected period of record follows each water-level table.

## WATER RESOURCES DATA FOR SOUTH CAROLINA, 1996

## ACCESS TO WATSTORE DATA

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

- \* Station Header File - Contains descriptive information on more than 440,000 sites throughout the United States and its territories where the U.S. Geological Survey collects or has collected data.
- \* Daily Values File - Contains more than 220 million daily values of stream flows, stages, reservoir contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.
- \* Peak Flow File - Contains approximately 500,000 maximum (peak) streamflow and gage-heights values at surface-water sites.
- \* Water Quality File - Contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.
- \* Ground-Water Site Inventory Data Base - Contains inventory data for more than 910,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history, and one-time field measurements such as water temperature.

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

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

## PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

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

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F. P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L.M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 2-E2. *Borehole geophysics applied to ground-water investigations*, by W. S. Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.
- 2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W. E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.
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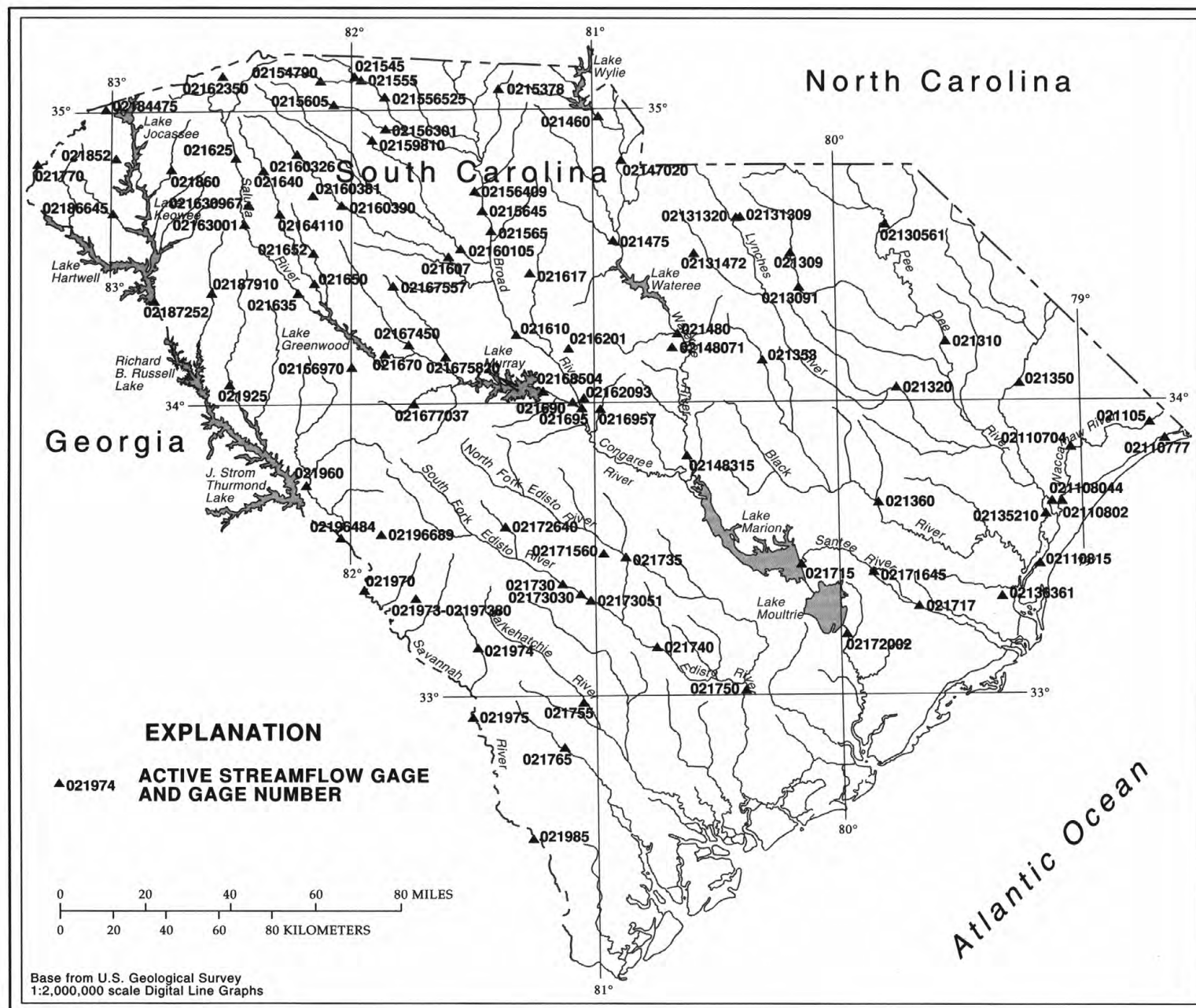
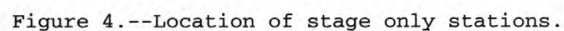


Figure 3.--Location of streamflow gaging stations.





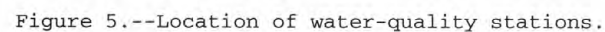
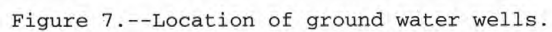




Figure 6.--Location of crest-stage stations.







**SURFACE WATER RECORDS**

## GAGING-STATION RECORDS

## WACCAMAW RIVER BASIN

02110500 WACCAMAW RIVER NEAR LONGS, SC

LOCATION.--Lat 33°54'45'', long 78°42'55'', Horry County, Hydrologic Unit 03040206, on the upstream side of the upstream 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.--Data collection platform. Datum of gage is 5.28 ft above sea level (levels by Corps of Engineers). Prior to Aug. 11, 1967, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, Mar. 11 - 14, which are poor..

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	387	2900	1330	1220	1240	1490	2320	741	96	628	2010	1630
2	362	3250	1280	1180	1310	1480	2480	672	95	696	1970	1520
3	328	3220	1230	1130	1440	1490	2600	607	94	811	1930	1590
4	309	3130	1180	1090	1520	1550	2680	558	90	874	1890	1770
5	465	3060	1130	1060	1540	1610	2750	523	84	906	1850	2070
6	868	3060	1090	1030	1540	1660	2850	501	78	925	1880	4070
7	1140	3080	1080	1030	1520	1640	2980	496	70	919	1850	6310
8	1470	3110	1080	1030	1520	1390	3000	498	63	901	1870	7750
9	1630	3040	1060	1020	1510	1370	2950	494	58	884	1910	8460
10	1800	2900	1040	1010	1510	1380	2880	477	55	878	2000	9120
11	1920	2750	1030	997	1510	1520	2790	458	58	948	2080	10400
12	1960	2610	1010	996	1500	1750	2690	443	53	1030	2180	12300
13	1960	2430	991	996	1480	1900	2590	429	55	1200	2370	14200
14	1950	2290	983	981	1460	2020	2490	416	74	1220	2370	15300
15	2130	2180	979	965	1440	2060	2370	400	107	1360	2350	15700
16	2240	2100	975	949	1450	2090	2240	377	143	1410	2420	15500
17	2280	2020	963	936	1440	2110	2110	348	170	1660	2570	15200
18	2400	1940	943	930	1420	2240	1990	315	182	1820	2670	14200
19	2560	1890	984	928	1400	2300	1870	286	229	1920	2870	13000
20	2830	1840	1070	919	1380	2290	1750	258	312	1980	2790	11800
21	3520	1800	1050	908	1350	2260	1630	230	324	2060	2640	10600
22	3510	1750	1040	900	1350	2240	1500	203	338	2120	2530	9530
23	3320	1690	1060	891	1360	2210	1410	180	356	2300	2520	8520
24	3140	1640	1120	887	1380	2180	1310	159	382	2480	2520	7610
25	2970	1620	1240	884	1400	2140	1200	138	416	2470	2460	6780
26	2840	1580	1340	872	1420	2080	1100	126	448	2430	2370	6030
27	2690	1530	1380	937	1440	2010	1030	115	471	2330	2250	5360
28	2780	1470	1390	1070	1450	2090	937	113	494	2230	2110	4810
29	2720	1430	1370	1110	1460	2340	844	113	527	2140	2000	4360
30	2540	1380	1320	1150	---	2330	776	104	573	2090	1890	4020
31	2470	---	1270	1190	---	2280	---	99	---	2050	1770	---
TOTAL	63489	68690	35008	31196	41740	59500	62117	10877	6495	47670	68890	249510
MEAN	2048	2290	1129	1006	1439	1919	2071	351	216	1538	2222	8317
MAX	3520	3250	1390	1220	1540	2340	3000	741	573	2480	2870	15700
MIN	309	1380	943	872	1240	1370	776	99	53	628	1770	1520
CFSM	1.85	2.06	1.02	.91	1.30	1.73	1.87	.32	.20	1.39	2.00	7.49
IN.	2.13	2.30	1.17	1.05	1.40	1.99	2.08	.36	.22	1.60	2.31	8.36

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

	MEAN	776	581	769	1751	2202	2545	1764	614	563	847	1149	1140
MAX	3463	2864	2780	6330	5973	7748	5072	2916	2422	6191	5643	8317	
(WY)	1965	1978	1995	1993	1973	1983	1958	1978	1969	1961	1981	1996	
MIN	5.13	6.20	30.1	136	260	363	194	32.1	18.3	13.2	14.5	3.70	
(WY)	1984	1984	1955	1957	1989	1955	1967	1995	1952	1952	1954	1954	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1950 - 1996

ANNUAL TOTAL	591303	745182	1221	
ANNUAL MEAN	1620	2036	2418	1960
HIGHEST ANNUAL MEAN			439	1952
LOWEST ANNUAL MEAN			16000	1981
HIGHEST DAILY MEAN	6370	Jan 21	15700	Sep 15
LOWEST DAILY MEAN	13	Jun 2	53	Jun 12
ANNUAL SEVEN-DAY MINIMUM	15	May 27	59	Jun 7
INSTANTANEOUS PEAK FLOW			15800	Sep 15
INSTANTANEOUS PEAK STAGE			14.95	Sep 15
INSTANTANEOUS LOW FLOW			51	Jun 12
ANNUAL RUNOFF (CFSM)	1.46		1.83	
ANNUAL RUNOFF (INCHES)	19.82		24.97	
10 PERCENT EXCEEDS	3920		3050	3070
50 PERCENT EXCEEDS	1180		1490	686
90 PERCENT EXCEEDS	55		327	54

\* At gage height 14.87 ft with rating then in use.

REMARKS.--Samples were collected to document the affects of Hurricane Fran.

DATE	TIME	FISH, DEAD (SEVER- ITY) (01340)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL, (HIGH LEVEL) (MG/L) (00340)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP												
08...	0845	--	13.0	--	755	25.0	--	--	50	--	--	1.5
08...	0900	--	13.2	--	755	24.5	--	--	38	--	--	1.3
08...	0905	--	14.0	--	755	24.5	--	--	45	--	--	1.5
08...	0910	--	5.3	--	755	24.5	--	--	34	--	--	1.1
08...	0935	--	4.5	--	755	24.5	--	--	38	--	--	1.7
08...	0940	--	4.5	--	755	24.5	--	--	40	--	--	1.7
08...	0946	--	4.0	--	755	24.5	--	--	41	--	--	2.2
08...	0955	--	5.0	--	755	24.5	--	--	41	--	--	2.3
08...	1000	--	2.5	--	755	24.5	--	--	41	--	--	2.3
08...	1030	--	11.5	--	755	25.0	--	--	38	--	--	1.6
08...	1045	--	--	7740	755	24.5	8500	K60	41	3.0	81	1.7
11...	1314	--	18.0	--	756	25.0	--	--	39	--	--	2.0
11...	1317	--	13.0	--	756	25.0	--	--	39	--	--	1.8
11...	1320	3	--	10400	756	25.0	38000	<20	42	3.3	82	1.3
11...	1321	--	13.0	--	756	25.0	--	--	37	--	--	2.1

[illegible]

WACCAMAW RIVER BASIN  
02110500 WACCAMAW RIVER NEAR LONGS, SC  
WATER-QUALITY RECORDS

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

DATE	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM, DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
	SEP	08...	11...								
	0.03	0.010	<0.010	0.030	460	14	<1	<1.0	<1	<1	10
	--	<0.010	0.030	0.020	440	15	<1	<1.0	<1	<1	3
DATE	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)
	SEP	08...	11...								
	2	20	<1	<1	<1.0	<1.0	22	0.77	0.060	0.27	0.03
	1	26	<1	<1	<1.0	<1.0	22	0.86	0.040	0.18	0.07
DATE	TIME	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (MG/L) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)			
		SEP	11...	11...	11...						
		1331	6.00	756	25.0	53	0.4	5	5.1		
		1337	6.00	756	25.0	38	0.7	9	4.8		
		1341	13.0	756	25.0	43	0.6	7	4.9		

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



## WACCAMAW RIVER BASIN

02110704 WACCAMAW RIVER AT CONWAY MARINA AT CONWAY, SC

LOCATION.--Lat 33°49'47'', Long 79°02'38'', Horry County, Hydrologic Unit 03040206, on right bank 1250 ft downstream of State Highway 501 Business bridge at Conway.

DRAINAGE AREA.--Undetermined.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Data collection platform and Acoustic Velocity Meter. Datum of gage is 5.06 ft below sea level.

REMARKS.--Records fair except for estimated daily discharges, Feb. 12 - 14, Aug. 16, 24 - 29, Sept. 3 - 6, 12 - 30, which are poor. Discharges shown are those confined to the main channel and does not include discharge in the floodplain when bankfull capacity is exceeded. However, the floodplain is relatively narrow and discharges are insignificant with respect to the main channel. Negative daily mean discharges are computed on many days, which are caused by two complete incoming and only one complete outgoing tide cycles during the day.

## DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER 1995 TO SEPTEMBER 1996

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	426	3770	1500	1310	1290	1250	2980	1040	105	683	2390	2000
2	438	4080	1540	1230	1280	1280	2990	925	130	582	2340	1880
3	426	4230	1400	1350	1370	1560	2910	833	69	733	2690	2200
4	396	4180	1380	1380	1530	1470	2890	758	74	677	3070	2500
5	695	4040	1170	1190	1580	1440	2920	754	60	705	2730	2700
6	1140	3890	1190	1110	1570	1510	2770	654	44	845	2840	5400
7	1610	3830	1220	977	1590	1560	2780	346	14	850	3070	6150
8	1920	3690	1210	1580	1620	1960	2850	493	4	841	3090	6640
9	1800	3620	1260	1020	1720	1790	2850	579	-25	861	2790	6540
10	1800	3530	1390	1080	1550	1760	2970	505	117	955	2570	6300
11	1760	3470	1340	817	1560	1720	3020	472	88	1020	2320	6970
12	1790	3520	1160	1040	1530	1570	3090	459	109	891	2200	7500
13	1930	3410	1160	1070	1510	1590	3130	342	154	2070	2600	7570
14	2110	3220	1060	995	1500	1690	3020	439	123	2220	2540	7900
15	2530	3240	1140	1090	1480	1800	2880	386	85	2950	2510	9000
16	2720	3120	1020	953	1390	1900	2770	528	105	2930	2500	10000
17	2790	2890	845	969	1480	1900	2790	503	205	3040	2480	10700
18	2730	2610	938	944	1390	2110	2590	376	175	2910	2420	11200
19	2660	2430	1090	956	1300	2110	2520	349	402	2670	2470	12000
20	2600	2290	1390	1040	1410	2590	2410	264	854	2370	2480	12000
21	2870	2070	1230	788	1630	2850	2330	242	755	2040	2490	11900
22	3160	1940	1250	844	1620	2620	2210	205	605	2270	2590	11600
23	3310	1800	1340	861	1600	2470	1950	83	632	2850	2620	10100
24	3410	1790	1320	839	1740	2510	1750	214	481	3500	2610	9000
25	3490	1820	1270	1160	1640	2440	1400	157	652	3380	2520	8400
26	3520	1840	1260	737	1620	2500	1380	-165	828	3430	2590	8000
27	3440	1850	1270	1070	1510	2370	1140	141	657	3200	2490	7600
28	3450	1850	1310	1470	1490	2360	983	134	740	2960	2530	7200
29	3520	1820	1370	1220	1300	2940	956	74	659	2890	2400	6800
30	3480	1630	1330	1390	---	3040	1050	14	588	2810	2260	6400
31	3440	---	1370	1420	---	2960	---	-46	---	2630	2100	---
TOTAL	71361	87470	38723	33900	43800	63620	72279	12058	9489	62763	79300	224150
MEAN	2302	2916	1249	1094	1510	2052	2409	389	316	2025	2558	7472
MAX	3520	4230	1540	1580	1740	3040	3130	1040	854	3500	3090	12000
MIN	396	1630	845	737	1280	1250	956	-165	-25	582	2100	1880

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1996, BY WATER YEAR (WY)

	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
MEAN	2228	2218	2306	3232	2878	2657	1420	186	476	1791	1668	4002
MAX	2302	2916	3364	5371	4295	3261	2409	389	635	2025	2558	7472
(WY)	1996	1996	1995	1995	1995	1995	1996	1996	1995	1996	1996	1996
MIN	2154	1521	1249	1094	1510	2052	430	-16.3	316	1557	778	532
(WY)	1995	1995	1996	1996	1996	1996	1995	1995	1996	1995	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1995 - 1996	
ANNUAL TOTAL	705223		798913		2084	
ANNUAL MEAN	1932		2183		2183	
HIGHEST ANNUAL MEAN					1985	
LOWEST ANNUAL MEAN					1995	
HIGHEST DAILY MEAN	6830	Jan 17	12000	Sep 19	12000	Sep 19 1996
LOWEST DAILY MEAN	-283	May 20	-165	May 26	-283	May 20 1995
ANNUAL SEVEN-DAY MINIMUM	-73	May 16	34	Jun 3	-73	May 16 1995
INSTANTANEOUS PEAK STAGE			* 14.21	Sep 20	* 14.21	Sep 20 1996
10 PERCENT EXCEEDS	4550		3520		4540	
50 PERCENT EXCEEDS	1390		1630		1560	
90 PERCENT EXCEEDS	79		400		135	

\* From floodmarks.

WACCAMAW RIVER BASIN  
02110704 WACCAMAW RIVER AT CONWAY MARINA AT CONWAY, SC  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1991 to current year.

PERIOD OF DAILY RECORD.--

TEMPERATURE: October 1991 to current year.

DISSOLVED OXYGEN: October 1990 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

REMARKS.--The water-quality probes could not be accessed during the flooding in September 1996. The minimum dissolved-oxygen concentration was measured on Sept. 16, 1996, but it may have been lower during the period of missing record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 34.0°C, June 24, 25, 1996; minimum, 3.5°C, Jan. 22 - 24, 1994.

DISSOLVED OXYGEN: Maximum, 10.6 mg/L, Jan. 23, 1992; minimum recorded, 1.5 mg/L, Sept. 17, 18, 1991, minimum observed, 1.0 mg/L, Sept. 16, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 34.0°C, June 24, 25; minimum, 4.0°C, Dec. 29, 30, Feb. 7.

DISSOLVED OXYGEN: Maximum, 10.5 mg/L, Feb. 8; minimum recorded, 1.6 mg/L, Aug. 1, 2, minimum observed, 1.0 mg/L, Sept. 16.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.5	22.5	23.0	18.5	17.5	18.0	13.5	11.5	12.5	7.0	6.0	6.5
2	24.0	22.5	23.5	19.0	18.0	18.5	14.0	11.5	12.5	8.5	7.0	7.5
3	24.0	23.0	23.5	19.5	19.0	19.0	13.0	11.0	12.0	9.5	8.5	9.0
4	23.5	23.0	23.5	---	---	---	13.0	11.5	12.0	10.0	8.5	9.5
5	24.0	23.5	23.5	---	---	---	13.0	11.5	12.5	10.5	9.0	9.5
6	24.0	24.0	24.0	---	---	---	13.5	12.0	13.0	9.5	8.5	9.0
7	24.0	23.5	24.0	---	---	---	13.5	12.5	13.0	9.0	7.5	8.0
8	24.5	24.0	24.0	17.0	15.5	16.5	13.0	11.5	12.5	7.5	6.0	7.0
9	24.5	23.5	24.0	16.0	14.5	15.5	12.5	12.0	12.5	7.0	5.5	6.5
10	24.0	23.0	23.5	15.5	14.0	14.5	12.0	10.5	11.5	7.5	5.5	6.5
11	23.5	23.0	23.0	15.5	14.5	15.0	11.0	9.5	10.0	7.0	5.5	6.0
12	23.0	22.5	23.0	14.5	13.5	14.0	10.5	8.5	9.5	6.5	5.5	6.0
13	23.0	22.5	22.5	14.5	13.0	13.5	10.0	8.5	9.0	7.0	5.5	6.0
14	23.0	22.5	23.0	13.5	12.5	13.5	9.5	8.5	9.0	7.5	6.0	6.5
15	---	---	---	13.0	12.0	12.5	10.5	9.0	9.5	8.0	6.5	7.0
16	---	---	---	13.0	11.5	12.0	11.0	10.0	10.5	8.0	7.0	7.5
17	---	---	---	12.5	11.0	11.5	11.5	10.0	10.5	9.0	7.0	8.0
18	---	---	---	12.0	10.5	11.0	11.0	10.0	10.5	10.0	8.0	9.0
19	---	---	---	12.0	10.5	11.0	12.0	10.5	11.5	11.0	10.0	10.5
20	---	---	---	12.0	10.5	11.5	12.0	10.5	11.5	11.0	10.0	10.0
21	---	---	---	12.5	11.0	12.0	11.0	9.5	10.5	10.0	9.5	10.0
22	---	---	---	12.5	11.0	11.5	10.0	9.0	9.5	10.5	9.0	9.5
23	---	---	---	12.5	10.5	11.5	9.5	8.0	9.0	10.5	9.0	10.0
24	19.5	18.0	18.5	12.0	10.5	11.5	8.5	7.0	8.0	10.5	9.5	10.0
25	20.0	18.5	19.0	12.0	10.5	11.0	7.5	6.0	7.0	10.5	9.0	9.5
26	20.0	19.0	19.5	12.0	10.5	11.0	7.0	5.5	6.5	10.5	9.0	10.0
27	20.0	19.5	20.0	12.0	10.5	11.5	6.5	5.0	6.0	11.5	10.5	11.0
28	---	---	---	13.0	11.5	12.0	6.0	5.0	5.5	11.5	10.5	11.0
29	---	---	---	13.0	12.5	12.5	6.0	4.0	5.0	11.0	10.0	10.5
30	---	---	---	13.0	12.0	12.5	6.0	4.0	5.0	11.0	10.0	10.5
31	---	---	---	---	---	---	6.5	5.0	6.0	11.5	10.5	11.0
MONTH	24.5	18.0	22.5	19.5	10.5	13.2	14.0	4.0	9.8	11.5	5.5	8.7

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	11.5	10.5	11.0	17.0	16.0	16.5	16.0	15.0	15.5	25.0	21.5	22.5
2	11.0	10.0	10.5	16.5	15.5	16.0	17.0	15.0	16.0	25.0	21.5	23.0
3	10.0	8.5	9.5	16.0	14.5	15.0	19.0	15.5	17.0	25.5	22.0	23.5
4	8.5	6.5	8.0	15.0	13.0	14.0	20.0	16.5	18.0	26.0	22.0	24.5
5	7.0	5.0	6.0	15.0	13.0	14.0	21.0	18.0	19.0	26.5	23.5	25.5
6	6.5	4.5	5.5	15.0	14.0	14.5	19.0	17.5	18.5	27.5	24.5	26.5
7	6.0	4.0	5.0	16.0	14.5	15.5	18.5	17.0	17.5	27.5	25.0	26.0
8	6.5	4.5	5.5	16.0	14.0	15.0	18.0	16.5	17.5	28.0	24.5	26.5
9	8.0	6.0	7.0	14.0	12.5	13.5	17.5	16.0	17.0	29.0	25.5	27.5
10	9.5	7.0	8.0	13.0	11.5	12.0	17.0	15.5	16.0	29.5	26.0	28.0
11	10.5	8.5	9.5	12.0	10.5	11.5	18.5	15.0	16.5	29.5	26.5	28.5
12	10.5	9.0	9.5	12.0	10.0	11.0	19.0	15.5	17.0	29.5	26.5	28.0
13	11.0	9.0	10.0	12.5	10.0	11.0	20.0	16.5	18.0	27.0	25.0	26.0
14	10.5	9.5	10.0	13.0	10.5	11.5	21.5	18.0	19.5	25.5	24.0	25.0
15	11.0	9.5	10.0	14.0	12.0	13.0	22.0	19.0	20.5	25.0	23.5	24.0
16	10.5	9.5	10.0	15.5	13.0	14.5	23.0	20.0	20.5	26.0	23.5	24.5
17	10.5	9.0	9.5	16.0	15.0	15.5	23.0	19.5	21.0	26.5	23.5	25.5
18	11.0	9.0	10.0	16.5	15.5	16.0	23.0	19.5	21.0	28.0	24.5	26.5
19	10.5	9.0	10.0	17.0	15.5	16.0	22.5	20.0	20.5	29.0	27.5	28.0
20	11.0	9.5	10.0	16.0	14.5	15.0	23.0	20.0	21.5	30.5	28.0	29.0
21	12.0	9.5	10.5	15.0	13.5	14.5	24.0	20.5	22.5	31.0	28.5	30.0
22	13.5	10.5	12.0	14.5	13.0	14.0	25.0	21.5	23.0	31.5	28.5	30.0
23	16.0	12.0	13.5	14.5	13.0	13.5	25.5	22.5	24.0	32.0	28.5	31.0
24	16.0	13.5	14.5	15.0	13.0	14.0	25.5	22.5	23.5	31.5	28.5	30.5
25	17.5	13.5	15.0	15.5	13.5	14.5	25.5	22.0	23.5	32.0	28.5	30.5
26	18.5	14.5	16.0	16.5	15.0	15.5	25.0	22.0	23.0	32.5	29.5	31.5
27	19.0	15.5	17.0	16.5	15.5	16.0	25.0	21.5	23.0	33.0	29.0	31.5
28	17.5	16.5	17.0	16.0	14.5	15.5	25.0	21.5	23.0	32.5	29.5	32.0
29	18.0	16.5	17.0	16.0	14.0	15.0	25.5	22.0	24.0	33.0	29.5	31.5
30	---	---	---	16.0	14.5	15.5	24.0	22.5	23.0	33.0	29.0	30.5
31	---	---	---	16.0	14.5	15.0	---	---	---	31.5	28.5	29.5
MONTH	19.0	4.0	10.6	17.0	10.0	14.3	25.5	15.0	20.0	33.0	21.5	27.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	31.0	27.5	29.0	32.5	30.0	31.5	33.0	32.5	32.5	---	---	---

## WACCAMAW RIVER BASIN

02110704 WACCAMAW RIVER AT CONWAY MARINA AT CONWAY, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	4.5	4.0	4.2	5.2	5.0	5.2	6.5	6.0	6.3	9.9	9.6	9.8
2	4.3	3.7	4.1	5.2	4.9	5.0	6.5	6.3	6.4	9.7	9.1	9.4
3	4.1	3.6	3.8	4.9	4.5	4.7	6.6	6.5	6.5	9.3	8.5	8.9
4	4.0	3.2	3.6	4.5	4.3	4.4	6.7	6.5	6.6	8.7	8.0	8.3
5	4.1	3.4	3.8	4.4	4.3	4.4	6.7	6.5	6.6	8.4	7.8	8.0
6	4.1	3.6	3.8	4.6	4.4	4.5	6.6	6.3	6.5	8.2	7.3	8.0
7	4.6	3.7	4.2	4.8	4.6	4.7	6.6	6.1	6.4	8.4	8.0	8.2
8	4.3	4.0	4.1	4.9	4.7	4.8	6.5	6.2	6.4	8.8	8.4	8.6
9	4.1	3.7	3.9	4.9	4.8	4.8	6.6	6.4	6.5	9.0	8.6	8.9
10	4.0	3.8	3.9	5.0	4.9	5.0	6.9	6.6	6.7	9.3	8.6	9.0
11	4.1	3.9	4.0	5.4	5.0	5.2	7.2	6.8	7.0	9.3	8.6	9.0
12	4.1	4.0	4.0	5.5	5.3	5.4	7.5	6.7	7.2	9.5	9.0	9.3
13	4.2	3.9	4.1	5.5	5.4	5.5	7.8	7.3	7.6	9.5	9.1	9.3
14	4.3	4.0	4.1	5.6	5.4	5.5	8.0	7.5	7.8	9.5	8.6	9.3
15	4.3	3.9	4.0	5.8	5.6	5.7	8.1	7.5	7.9	9.4	8.8	9.3
16	4.1	4.1	4.1	6.0	5.7	5.8	8.0	7.3	7.8	9.4	8.9	9.2
17	4.3	4.1	4.2	6.3	6.0	6.1	7.9	7.1	7.6	9.3	8.6	9.0
18	4.6	4.3	4.4	6.6	6.3	6.4	7.8	7.3	7.6	9.2	8.3	8.9
19	4.7	4.6	4.7	6.8	6.6	6.7	7.8	7.3	7.6	9.0	8.6	8.8
20	5.2	4.7	4.9	6.9	6.7	6.8	7.6	7.2	7.4	8.7	7.9	8.3
21	5.0	4.8	4.9	6.9	6.8	6.9	7.7	7.2	7.4	8.4	7.4	8.0
22	4.8	4.7	4.8	6.9	6.8	6.8	7.6	7.5	7.6	8.1	6.9	7.8
23	4.9	4.8	4.8	6.9	6.7	6.8	7.9	7.6	7.7	8.1	7.3	7.9
24	4.9	4.7	4.8	7.0	6.6	6.8	8.3	7.7	8.0	8.3	7.8	8.1
25	4.9	4.6	4.7	7.0	6.8	6.9	8.7	8.1	8.4	8.4	8.0	8.3
26	4.7	4.4	4.6	7.0	6.8	6.9	9.0	8.4	8.7	8.5	7.6	8.1
27	4.5	4.3	4.4	7.0	6.7	6.8	9.2	8.7	9.0	8.2	7.7	8.1
28	4.6	4.2	4.2	6.9	6.5	6.7	9.5	9.1	9.3	8.0	7.5	7.7
29	4.2	4.0	4.0	6.6	6.2	6.5	9.6	9.4	9.5	8.1	7.7	8.0
30	4.3	4.1	4.2	6.6	6.1	6.3	9.8	9.6	9.7	8.0	7.8	7.9
31	5.0	4.3	4.7	---	---	---	9.9	9.8	9.8	7.9	7.6	7.8
MONTH	5.2	3.2	4.3	7.0	4.3	5.8	9.9	6.0	7.6	9.9	6.9	8.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	7.8	7.5	7.7	7.0	6.5	6.7	7.0	6.8	6.9	4.3	3.6	4.0
2	8.3	7.7	7.8	6.8	6.4	6.6	6.9	6.4	6.7	4.1	3.6	3.9
3	8.1	7.8	8.0	7.2	6.6	6.9	6.7	6.4	6.5	3.9	3.6	3.8
4	8.7	8.1	8.4	7.4	6.9	7.2	6.8	6.3	6.5	3.9	3.5	3.7
5	9.4	8.6	9.0	7.7	7.2	7.4	6.4	5.9	6.2	3.9	3.3	3.7
6	10.0	9.4	9.6	7.7	7.5	7.6	6.0	5.7	5.9	3.8	3.2	3.6
7	10.3	10.0	10.1	7.6	7.3	7.4	5.9	5.6	5.7	3.6	2.8	3.4
8	10.5	10.2	10.4	7.4	6.9	7.1	6.0	5.6	5.8	3.4	2.9	3.2
9	10.4	10.1	10.3	7.7	7.3	7.4	6.1	5.8	6.0	3.2	2.3	2.9
10	10.1	9.8	10.0	8.2	7.5	7.7	6.3	6.1	6.2	3.1	2.5	3.0
11	9.8	9.5	9.7	8.6	8.0	8.2	6.5	6.3	6.3	3.3	2.8	3.1
12	9.5	9.2	9.3	8.8	8.5	8.7	6.5	6.3	6.4	3.8	2.9	3.3
13	9.3	9.0	9.1	9.0	8.7	8.9	6.5	6.3	6.4	3.6	3.2	3.4
14	9.5	7.9	9.1	8.9	8.7	8.8	6.3	6.0	6.2	3.6	3.0	3.4
15	9.0	8.8	9.0	8.7	8.5	8.7	6.0	5.6	5.9	3.6	3.1	3.4
16	9.0	8.8	8.9	8.5	7.9	8.2	5.7	5.2	5.5	3.5	3.3	3.4
17	8.9	8.6	8.7	8.2	7.3	7.7	5.3	5.0	5.2	3.7	3.2	3.5
18	8.7	8.5	8.6	7.3	6.7	7.0	5.2	4.9	5.1	4.0	3.5	3.8
19	8.7	8.6	8.6	6.8	6.5	6.7	5.1	4.9	5.0	4.1	3.7	3.9
20	8.9	8.6	8.8	6.7	6.5	6.6	5.2	4.9	5.1	4.1	3.7	3.9
21	8.9	8.6	8.8	7.7	6.6	6.9	5.2	4.7	5.0	4.1	3.6	3.8
22	8.6	8.3	8.5	7.7	7.0	7.3	5.0	4.5	4.8	4.0	3.4	3.7
23	8.3	7.9	8.2	7.8	7.3	7.5	4.7	4.4	4.6	3.9	3.3	3.5
24	8.0	7.5	7.8	8.2	7.4	7.8	4.6	4.3	4.5	3.7	3.1	3.4
25	7.7	7.2	7.5	8.2	7.8	8.0	4.4	3.9	4.2	4.0	3.1	3.4
26	7.5	7.2	7.3	8.2	7.7	7.9	4.2	3.9	4.1	4.3	3.1	3.6
27	7.3	7.0	7.1	7.9	6.8	7.3	4.2	3.7	4.1	4.2	3.3	3.7
28	7.1	6.8	6.9	7.5	6.5	6.9	4.3	3.8	4.1	4.1	2.9	3.3
29	7.1	6.6	6.8	7.5	6.9	7.2	4.3	3.8	4.1	3.6	2.8	3.1
30	---	---	---	7.1	6.9	7.0	4.5	3.8	4.2	3.7	2.9	3.3
31	---	---	---	7.0	6.9	6.9	---	---	---	3.8	3.2	3.6
MONTH	10.5	6.6	8.6	9.0	6.4	7.5	7.0	3.7	5.4	4.3	2.3	3.5





## LITTLE RIVER BASIN

02110755 AIW AT BRIARCLIFFE ACRES AT NORTH MYRTLE BEACH, SC

LOCATION.--Lat 33°47'54'', long 78°45'12'', Horry County, Hydrologic Unit 03040207, on right bank of Atlantic Intracoastal Waterway, at Briarcliffe Marina, 12.3 mi upstream from the junction of Little River Inlet and at AIW mile 354.1.

PERIOD OF RECORD.--Water years 1984 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1983 to current year.

pH: April 1986 to September 1989 (discontinued).

WATER TEMPERATURE: April 1986 to September 1989 (discontinued).

DISSOLVED OXYGEN: September 1986 to September 1989 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 39,200 microsiemens, Sept. 22, 1989; minimum, 50 microsiemens, Sept. 15, 1996.

pH: Maximum 9.2 units, Aug. 13, 1987; minimum, 5.3 units, Sept. 26, 1986.

WATER TEMPERATURE: Maximum, 33.5°C, July 31, 1988; minimum, 2.0°C, Jan. 16, 1988.

DISSOLVED OXYGEN: Maximum, 11.4 mg/L, Jan. 19, 1988; minimum, 2.2 mg/L, Sept. 30, 1989.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 3,730 microsiemens, July 11; minimum, 50 microsiemens, Sept. 15.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25° C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	161	146	153	90	78	85	80	68	75	130	114	125
2	160	142	151	83	75	80	84	74	79	128	116	121
3	160	139	151	95	77	84	84	74	79	124	110	119
4	201	139	158	101	77	89	90	78	82	130	114	121
5	153	138	143	96	56	81	86	72	79	138	112	124
6	164	146	152	96	80	88	92	72	80	134	116	125
7	161	137	149	96	64	84	122	74	87	130	106	116
8	163	139	149	109	80	90	126	114	121	126	110	118
9	159	130	146	121	81	91	124	112	118	130	116	122
10	154	124	134	97	85	92	122	106	113	130	114	124
11	138	115	124	93	81	85	162	108	122	132	114	122
12	143	113	123	98	58	81	128	112	117	122	106	115
13	125	114	117	98	80	84	124	110	119	124	108	116
14	122	110	116	100	72	82	124	112	118	124	109	116
15	124	109	116	87	74	79	126	112	120	121	109	115
16	121	103	110	95	73	79	146	116	126	129	109	119
17	111	80	98	83	73	78	128	114	122	157	113	125
18	86	78	80	84	75	81	180	114	133	229	113	142
19	135	79	84	100	78	84	150	116	126	171	103	123
20	135	79	89	98	84	90	212	122	146	197	107	132
21	99	75	88	84	72	79	202	124	145	169	116	125
22	88	73	81	86	70	79	166	124	139	136	114	119
23	86	74	81	80	68	73	150	122	134	126	112	118
24	88	76	81	80	68	74	762	116	204	122	104	110
25	95	80	85	86	68	74	134	116	123	118	108	114
26	97	81	86	80	64	73	126	114	120	130	110	118
27	103	81	92	82	68	73	128	118	124	127	110	119
28	93	77	84	80	68	73	634	118	198	125	115	119
29	91	75	80	78	68	72	144	118	129	117	111	115
30	90	74	82	78	68	74	128	120	124	---	---	---
31	118	78	90	---	---	---	130	114	124	---	---	---
MONTH	201	73	112	121	56	81	762	68	120	229	103	121



## LITTLE RIVER BASIN

02110760 AIW AT MYRTLEWOOD GOLF COURSE AT MYRTLE BEACH, SC

LOCATION.--Lat 33°44'26'', long 78°52'01'', Horry County, Hydrologic Unit 03040207, on East bank of the Atlantic Intracoastal Waterway, 50 ft south of Black Creek, 3.5 mi northwest of Myrtle Beach and at AIW mile 361.8.

PERIOD OF RECORD.--Water years 1986 to 1989, to current year.

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1986 to September 1989, February 1994 to current year.

pH: February 1986 to September 1989 (discontinued).

WATER TEMPERATURE: February 1986 to September 1989 (discontinued).

DISSOLVED OXYGEN: February 1986 to September 1989 (discontinued).

INSTRUMENTATION.--Data collection platform.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 238 microsiemens, May 22, 1996; minimum, 32 microsiemens, Sept. 19, 20, 22, 1996.

pH: Maximum, 8.0 units, Aug. 22, 1988; minimum, 5.2 units, Sept. 22, 1987.

WATER TEMPERATURE: Maximum, 33.0°C, July 21, 1986, July 11, 1987; minimum, 6.0°C, Jan. 29, 1987, Dec. 18, 19, 1988.

DISSOLVED OXYGEN: Maximum, 11.7 mg/L, Jan. 21, 1988; minimum, 1.1 mg/L, Sept. 30, 1989.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 238 microsiemens, May 22; minimum, 32 microsiemens, Sept. 19, 20, 22.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	125	103	115	102	72	86	---	---	---	92	74	83
2	129	102	113	96	62	76	---	---	---	92	80	85
3	124	102	113	88	52	73	---	---	---	90	78	82
4	126	108	114	102	56	71	---	---	---	92	78	85
5	162	109	124	108	58	81	---	---	---	90	78	87
6	139	109	123	86	56	72	---	---	---	94	80	86
7	139	113	123	98	64	74	---	---	---	88	76	84
8	130	100	117	90	64	74	---	---	---	90	76	84
9	128	90	106	148	58	79	90	78	82	92	78	84
10	115	93	100	148	58	83	86	74	80	92	78	86
11	101	83	93	150	58	89	86	76	82	106	82	90
12	112	84	91	96	54	67	86	78	82	100	84	89
13	108	84	94	90	58	70	86	78	82	92	82	87
14	112	85	97	82	62	68	90	78	83	90	80	86
15	109	75	95	86	58	67	92	76	83	94	84	88
16	105	69	82	88	56	70	96	76	85	102	84	90
17	113	54	70	94	62	71	94	80	88	102	74	88
18	104	58	80	106	58	73	100	80	86	104	80	89
19	102	72	80	84	56	70	104	78	91	102	84	89
20	98	74	83	90	60	75	102	92	97	104	86	90
21	130	74	88	86	62	73	106	92	100	102	86	91
22	94	72	78	94	64	74	106	94	98	94	86	91
23	96	70	82	90	64	75	98	86	93	96	84	89
24	96	72	81	---	---	---	94	82	87	104	80	87
25	90	70	78	---	---	---	86	78	84	96	84	88
26	94	70	78	---	---	---	90	80	85	116	84	92
27	90	64	77	---	---	---	94	82	87	174	84	107
28	100	64	82	---	---	---	92	80	88	116	88	101
29	90	58	75	---	---	---	92	80	87	112	86	93
30	86	62	73	---	---	---	100	82	88	100	84	90
31	100	56	80	---	---	---	102	78	86	100	80	87
MONTH	162	54	93	150	52	74	106	74	87	174	74	89



SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C). WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	110	86	91	94	76	82	130	82	96	140	100	116
2	92	80	87	100	76	84	127	85	98	130	100	116
3	98	84	91	112	82	86	119	79	94	128	94	111
4	114	84	95	110	76	87	109	78	88	134	96	110
5	100	84	89	96	78	86	123	78	89	146	96	108
6	96	80	87	96	78	87	110	78	85	132	98	107
7	96	80	86	116	82	89	130	79	89	134	100	115
8	98	74	84	130	98	109	118	79	87	134	100	113
9	94	74	82	132	94	101	128	73	90	140	100	110
10	92	74	82	120	86	97	109	72	83	142	102	113
11	90	74	80	112	84	93	109	71	81	140	102	113
12	96	76	82	118	80	90	92	73	80	136	98	114
13	90	70	78	112	80	90	104	72	80	140	102	115
14	86	68	78	108	78	87	104	73	80	138	100	116
15	112	72	81	100	74	84	101	72	80	132	78	111
16	90	72	78	116	78	88	107	71	78	142	88	113
17	82	72	78	90	76	82	101	69	80	174	90	119
18	94	74	80	100	82	89	114	69	79	190	94	122
19	96	74	80	112	74	90	168	62	93	166	108	125
20	98	72	78	106	70	80	136	64	87	152	106	122
21	96	76	84	102	72	87	182	64	95	158	108	126
22	102	76	84	116	87	95	174	72	90	238	108	130
23	92	74	81	115	85	94	162	66	90	174	94	126
24	94	58	81	117	83	94	180	76	101	152	98	129
25	96	74	82	108	85	93	132	88	104	142	110	124
26	96	76	85	120	84	93	120	90	103	162	110	135
27	94	76	83	96	82	89	144	94	113	158	114	130
28	96	78	85	151	81	103	136	92	113	---	---	---
29	102	80	87	137	97	105	140	90	110	---	---	---
30	---	---	---	125	82	98	122	94	103	---	---	---
31	---	---	---	134	79	94	---	---	---	---	---	---
MONTH	114	58	83	151	70	91	182	62	91	238	78	118
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	---	---	---	144	112	125	115	72	91	100	58	67
2	---	---	---	148	116	129	116	69	88	70	56	65
3	---	---	---	154	122	134	110	69	82	114	64	80
4	---	---	---	156	122	138	105	67	80	92	74	81
5	---	---	---	148	122	136	95	65	74	110	74	83
6	---	---	---	144	118	133	120	65	81	118	58	86
7	---	---	---	140	118	131	108	70	83	92	48	67
8	---	---	---	146	114	130	125	71	89	100	52	63
9	---	---	---	140	114	131	135	67	86	98	54	68
10	---	---	---	142	118	132	109	68	84	70	56	62
11	---	---	---	144	120	133	114	68	85	100	60	75
12	---	---	---	151	107	128	108	71	83	126	66	80
13	---	---	---	124	95	106	115	72	86	114	64	80
14	---	---	---	117	93	102	119	70	86	100	44	61
15	---	---	---	147	97	107	119	68	84	90	40	53
16	---	---	---	122	102	109	96	63	75	76	40	51
17	---	---	---	145	92	113	98	64	73	100	36	54
18	---	---	---	134	87	106	100	62	71	110	36	53
19	---	---	---	214	80	102	100	62	71	92	32	50
20	---	---	---	116	83	95	96	60	71	86	32	49
21	---	---	---	161	84	102	100	58	70	84	34	47
22	---	---	---	147	82	97	94	60	69	120	32	53
23	---	---	---	106	87	96	90	58	69	80	34	49
24	---	---	---	144	87	100	92	58	68	86	36	50
25	128	96	110	110	87	94	94	56	66	86	36	51
26	108	78	97	106	83	96	76	58	65	106	34	53
27	126	94	113	101	78	92	90	54	66	96	36	53
28	136	108	120	114	82	96	78	56	66	90	38	52
29	136	114	122	108	76	89	100	56	71	80	40	52
30	138	112	123	117	76	92	100	58	71	68	44	53
31	---	---	---	137	70	96	106	60	72	---	---	---
MONTH	138	78	114	214	70	112	135	54	77	126	32	61
YEAR	238	32	89									

## LITTLE RIVER BASIN

02110770 AIW AT GRAND STRAND AIRPORT AT NORTH MYRTLE BEACH, SC

LOCATION.--Lat 33°49'19'', long 78°42'57'', Horry County, Hydrologic Unit 03040207, at east bank of Atlantic Intracoastal Waterway, 1000 ft northwest of north end of runway, 9.5 mi south of junction of Little River Inlet, and at AIW mile 351.5.

## PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Water years 1987 to current year.

INSTRUMENTATION.--Data collection platform.

REMARKS.--Prior to Oct. 1, 1990, values less than 100 microsiemens were not recordable.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 49,400 microsiemens, Sept. 22, 1989; minimum, 42 microsiemens, Aug. 30, 31, 1992.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 15,400 microsiemens, July 11; minimum, 61 microsiemens, Sept. 20.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	445	159	189	134	117	123	204	97	131	200	188	194
2	342	158	191	129	111	119	235	114	144	203	190	196
3	763	153	290	134	106	118	247	98	165	213	191	197
4	536	149	248	134	106	117	277	127	178	212	192	197
5	171	145	158	123	106	115	309	134	184	212	195	200
6	186	145	162	123	111	117	300	143	203	207	162	199
7	204	147	167	134	117	120	250	151	196	203	158	164
8	466	149	210	134	106	119	240	100	165	192	152	165
9	255	140	175	134	106	115	181	100	173	205	148	160
10	403	123	166	129	106	115	180	169	174	198	152	166
11	146	116	126	134	106	120	177	168	173	189	171	177
12	141	110	120	117	106	111	178	166	173	186	166	176
13	155	107	125	129	100	113	179	170	174	175	165	171
14	169	121	140	123	100	112	185	171	176	175	165	169
15	181	109	132	111	100	104	185	172	177	176	163	169
16	147	95	110	---	---	---	192	172	179	181	125	159
17	111	95	101	---	---	---	189	175	181	179	124	146
18	112	88	98	---	---	---	194	178	184	186	161	169
19	112	80	89	---	---	---	197	179	185	179	123	154
20	168	86	102	---	---	---	192	182	186	180	123	152
21	134	108	123	120	84	94	199	184	192	181	121	131
22	134	111	119	101	77	87	205	187	196	176	123	136
23	134	111	121	106	73	90	210	192	199	181	122	134
24	134	111	120	111	85	93	207	155	194	167	118	127
25	134	111	121	112	81	92	199	155	190	144	117	123
26	123	117	120	116	81	92	200	167	188	159	114	124
27	129	111	121	180	82	101	197	146	172	150	114	122
28	123	111	121	171	87	109	204	185	190	178	112	127
29	134	106	119	182	92	119	203	163	191	160	104	124
30	129	111	118	173	85	115	204	187	195	134	106	117
31	134	106	119	---	---	---	214	187	196	138	114	121
MONTH	763	80	143	182	73	109	309	97	181	213	104	157



## LITTLE RIVER BASIN

02110777 AIW AT HIGHWAY 9 AT NIXONS CROSSROADS, SC

LOCATION.--Lat 33°51'05'', long 78°39'22'', Horry County, Hydrologic Unit 03040207, near east bank of the Atlantic Intracoastal Waterway, downstream side of bridge, 0.5 mi southeast of Nixons Crossroads, 5.2 mi south of the junction of Little River Inlet and at AIW mile 347.3.

DRAINAGE AREA.--Undetermined.

## WATER-DISCHARGE RECORDS

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

GAGE.--Data collection platform. Datum of gage is 11.72 ft below sea level.

REMARKS.--Discharge records for the 1990 - 94 water years are computed by utilization of the One-Dimensional unsteady flow simulation model (BRANCH). Four auxiliary stations (02110705, 02110802, 02110815, and 02135190) are used in conjunction with this station for computation of discharge. Negative daily mean discharges are computed on many days, which are caused by two complete incoming and only one complete outgoing tide cycles during the day. Records poor.

DISCHARGE FOR THE 1995 AND 1996 WATER YEAR WILL BE INCLUDED IN THE 1997 WATER RESOURCES



LITTLE RIVER BASIN  
02110777 AIW AT HIGHWAY 9 AT NIXONS CROSSROADS, SC  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1986 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1986 to current year.

pH: April 1986 to September 1989 (discontinued).

WATER TEMPERATURE: April 1986 to current year.

DISSOLVED OXYGEN: April 1986 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 59,100 microsiemens, May 4, 1995; minimum, 50 microsiemens, Feb. 10 - 12, 1996.

pH: Maximum, 8.5 units, Nov. 3, 1987; minimum, 5.0 units, Nov. 22, 1987.

WATER TEMPERATURE: Maximum, 33.0°C, July 21, 1986, July 21, 1987, July 8 - 10, 1993, July 29 - Aug. 1, 1995; minimum, 2.0°C, Dec. 23 - 26, 28, 1989.

DISSOLVED OXYGEN: Maximum, 14.6 mg/L, Jan. 28, 1988; minimum, 0.6 mg/L, Sept. 16, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 41,400 microsiemens, July 2; minimum, 50 microsiemens, Feb. 10 - 12.

WATER TEMPERATURE: Maximum, 32.0°C, June 24; minimum, 6.5°C, Feb. 11, 12.

DISSOLVED OXYGEN: Maximum, 10.7 mg/L, Dec. 30; minimum, 0.6 mg/L, Sept. 16.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	19000	322	4730	98	74	84	1830	80	562	10100	154	2560
2	16800	292	4560	100	80	95	896	76	369	17100	230	4930
3	20100	300	4890	100	100	100	2880	84	724	7850	210	2150
4	16900	412	5420	172	74	122	2130	84	522	7300	128	2450
5	13800	308	3450	930	74	279	13400	96	1970	16000	294	3490
6	7230	168	1540	1120	72	349	10500	112	1260	14500	174	3920
7	8690	170	2030	1650	72	263	12300	108	1810	19500	200	3740
8	8540	184	2090	358	68	128	13000	122	2530	1450	62	393
9	21000	218	4700	1320	70	172	4670	122	1180	20700	108	4020
10	12500	272	3060	542	68	130	3090	102	586	14300	208	3750
11	7970	188	1600	1360	64	238	4280	100	812	20700	542	6980
12	3140	122	603	4820	66	436	7600	116	1720	26200	236	5430
13	3140	114	437	672	72	180	5530	158	1530	7680	168	2190
14	1840	110	285	2190	64	325	5610	156	1590	8140	160	2720
15	482	108	172	204	64	85	3750	124	1080	7640	140	1890
16	1820	106	245	812	66	231	8700	166	1850	19900	116	3460
17	2660	102	418	654	66	181	19900	214	4510	18500	166	3530
18	704	90	152	746	66	209	15400	214	3660	26900	166	6880
19	552	76	144	772	68	263	19600	230	3470	32100	240	6600
20	1360	76	230	2400	64	424	18200	154	3320	30900	164	8670
21	100	74	85	11300	72	1000	31000	194	9590	33400	726	8460
22	664	78	194	16700	72	1670	33000	88	8650	30100	100	6400
23	1640	72	381	16800	78	1800	32100	266	7440	22100	100	4930
24	1550	76	357	3570	76	694	40600	92	5470	13500	100	2290
25	3300	76	580	4750	72	507	24000	56	3730	7020	64	1150
26	5750	76	883	3120	74	379	15600	172	2620	7820	166	2060
27	7060	78	1270	2400	72	265	10000	194	2410	6920	136	1100
28	2460	74	308	492	74	146	5860	158	1900	326	56	142
29	2080	78	259	312	68	124	4290	144	1490	6740	74	943
30	2070	78	351	682	72	190	6750	162	1720	2170	102	542
31	922	76	280	---	---	---	8100	154	1660	4130	96	710
MONTH	21000	72	1470	16800	64	369	40600	56	2640	33400	56	3500

## LITTLE RIVER BASIN

02110777 AIW AT HIGHWAY 9 AT NIXONS CROSSROADS, SC--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	14200	100	2030	7320	176	2240	476	98	197	18800	191	3440
2	6680	100	1050	7050	182	1810	1250	90	181	19100	229	4210
3	1320	106	352	1450	124	481	602	102	284	23600	221	4640
4	542	92	205	3980	123	844	510	94	196	23400	246	4940
5	648	86	208	1730	125	606	2060	86	267	19800	195	3470
6	430	84	166	1000	114	445	2640	96	414	19800	212	3300
7	144	78	100	1560	119	539	2840	94	336	19100	359	4650
8	128	80	93	3370	122	505	2840	96	415	17300	165	3100
9	102	68	84	4270	127	964	1680	92	270	7100	153	1510
10	100	50	78	5010	155	1230	863	92	181	5200	135	1190
11	102	50	68	4720	133	990	822	94	219	4230	142	1220
12	104	50	83	6920	135	1310	350	54	139	12100	146	2380
13	114	90	100	5580	131	1330	334	99	153	13900	242	4760
14	119	85	100	2880	115	748	1150	76	232	19000	178	3600
15	261	85	119	3320	115	729	6290	83	948	9600	229	2590
16	1810	90	268	1950	107	565	2610	100	532	15400	179	2740
17	2280	90	495	3490	118	844	6700	84	1170	20200	199	3800
18	6020	93	1290	4200	108	970	4250	163	1100	21000	349	5530
19	6920	120	1370	5520	120	1040	---	---	---	21000	332	5400
20	1830	108	616	158	85	125	---	---	---	14900	493	5180
21	867	93	299	1010	93	170	---	---	---	---	---	---
22	908	104	372	1400	119	358	---	---	---	---	---	---
23	908	96	320	1400	114	341	---	---	---	---	---	---
24	455	96	164	429	108	176	2080	112	521	---	---	---
25	594	101	168	205	102	126	6930	251	2710	---	---	---
26	351	101	160	227	99	123	7100	170	2050	---	---	---
27	1680	107	283	---	---	---	7050	186	2180	---	---	---
28	3100	112	624	---	---	---	9670	186	3310	22400	443	7640
29	5650	114	1620	168	92	110	8960	229	2860	30700	954	11800
30	---	---	---	1040	102	219	8990	228	2870	40500	2170	16900
31	---	---	---	1210	106	314	---	---	---	39400	2590	20400
MONTH	14200	50	444	7320	85	698	9670	54	949	40500	135	5350
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	40300	794	13900	28200	100	5170	32600	580	10900	18500	515	5390
2	37100	594	11700	41400	100	12900	26800	540	8970	13100	463	4190
3	39400	732	12300	---	---	---	25700	380	6190	7840	191	2470
4	37800	822	12400	---	---	---	10900	260	3370	8250	139	1810

## LITTLE RIVER BASIN

02110777 AIW AT HIGHWAY 9 AT NIXONS CROSSROADS, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	24.0	23.0	23.5	---	---	---	12.0	11.5	11.5	9.5	8.5	9.0
2	24.5	23.0	24.0	---	---	---	12.5	11.5	12.0	10.5	9.0	10.0
3	24.5	23.5	24.0	---	---	---	13.0	12.0	12.5	11.0	10.0	10.5
4	25.0	24.0	24.5	---	---	---	13.0	12.0	12.5	11.0	9.5	10.5
5	25.0	24.5	25.0	21.0	19.5	20.0	13.0	12.0	12.5	10.5	9.5	10.0
6	25.5	25.0	25.0	20.0	19.0	19.5	13.0	12.0	12.5	10.5	9.5	10.0
7	25.5	25.0	25.0	20.0	19.0	19.5	13.0	11.5	12.5	10.0	8.5	9.5
8	26.0	25.0	25.5	19.5	18.5	19.0	12.0	11.5	11.5	8.5	8.0	8.5
9	25.0	24.5	25.0	18.5	17.0	17.5	12.0	11.5	12.0	8.5	7.0	8.0
10	25.0	24.5	24.5	17.5	16.5	17.0	11.5	11.0	11.5	8.5	7.5	8.0
11	25.0	24.5	25.0	17.5	16.5	17.0	11.0	10.5	10.5	8.0	7.0	7.5
12	25.0	24.5	25.0	16.5	15.5	16.0	11.0	9.5	10.0	8.0	7.5	7.5
13	25.5	24.5	25.0	15.5	14.5	15.0	10.5	9.5	10.0	8.0	7.0	7.5
14	25.5	25.0	25.0	15.5	14.5	15.0	10.5	10.0	10.0	8.5	7.5	8.0
15	25.5	24.5	25.0	14.5	13.5	14.0	11.5	10.0	10.5	9.5	8.0	8.5
16	25.0	23.5	24.0	14.0	13.0	13.5	12.0	11.0	11.5	9.5	8.5	9.0
17	24.0	23.0	23.5	13.5	12.5	13.0	12.0	11.0	11.5	10.0	9.0	10.0
18	23.0	22.5	22.5	13.0	12.5	13.0	11.5	11.0	11.5	12.0	10.0	11.0
19	23.0	22.0	22.5	13.5	12.5	13.0	12.5	11.5	12.0	13.0	11.5	12.5
20	23.0	23.0	23.0	13.5	12.5	13.0	12.5	11.5	12.0	11.5	10.5	11.0
21	23.0	22.0	23.0	14.0	13.0	13.5	12.0	11.0	11.5	11.0	9.5	10.5
22	22.5	22.0	22.5	13.5	12.5	13.0	11.0	10.5	10.5	10.5	9.5	10.0
23	22.5	22.0	22.0	13.0	12.0	12.5	10.5	9.5	10.0	10.5	8.5	10.0
24	23.0	21.5	22.0	12.5	12.0	12.5	10.0	9.0	9.5	11.0	10.0	10.5
25	23.0	22.0	22.5	12.5	12.0	12.0	9.5	8.5	9.0	11.5	10.5	10.5
26	23.0	22.0	22.5	12.0	11.5	12.0	9.0	8.0	8.5	11.5	10.0	11.0
27	23.5	22.0	23.0	12.5	11.5	12.0	8.5	7.5	8.0	13.0	11.0	11.5
28	23.5	22.5	23.0	13.0	12.0	12.5	8.0	7.0	7.5	11.5	10.5	11.0
29	22.5	22.0	22.0	13.0	12.5	13.0	8.0	7.0	7.5	12.0	10.5	11.5
30	22.0	20.5	21.0	12.5	11.5	12.0	8.0	7.0	7.5	12.0	11.5	12.0
31	21.5	21.0	21.0	---	---	---	9.0	7.5	8.5	12.5	12.0	12.0
MONTH	26.0	20.5	23.6	21.0	11.5	14.6	13.0	7.0	10.6	13.0	7.0	9.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	12.0	11.5	12.0	18.0	16.5	17.0	16.5	15.5	16.0	25.0	23.0	24.0
2	12.0	11.0	11.5	17.0	15.5	16.5	17.5	16.0	16.5	26.0	23.0	24.0
3	11.0	9.5	10.5	17.0	15.5	16.0	18.0	14.5	16.5	26.0	23.5	24.5
4	9.5	8.0	9.0	17.0	15.0	16.0	19.0	16.0	17.5	26.5	24.5	25.0
5	9.0	8.0	8.0	17.0	15.5	16.0	20.0	17.5	18.5	27.5	25.0	26.0
6	9.0	7.5	8.0	16.5	16.0	16.5	18.5	15.0	17.5	28.0	26.0	26.5
7	8.5	7.0	7.5	18.0	16.5	17.0	18.5	15.5	17.5	26.5	25.0	26.0
8	8.5	7.0	7.5	17.5	15.5	17.0	18.0	16.5	17.5	27.0	25.0	25.5
9	10.0	8.0	8.5	16.0	14.5	15.0	18.0	15.5	17.0	27.0	25.5	26.0
10	10.0	7.0	8.5	14.5	13.0	13.5	18.0	16.0	17.0	27.5	25.5	26.5
11	10.5	6.5	8.0	13.5	12.0	12.5	17.5	16.0	17.0	27.5	26.0	27.0
12	10.5	6.5	9.0	13.0	11.5	12.5	18.5	16.5	17.5	27.0	26.0	26.5
13	10.5	9.0	9.5	14.0	12.0	13.0	18.5	17.5	18.0	26.0	23.5	24.5
14	10.5	9.0	10.0	14.5	13.0	14.0	20.0	18.5	19.5	24.5	22.5	23.5
15	11.0	10.0	10.5	16.0	14.0	15.0	21.0	19.5	20.5	23.0	22.0	22.5
16	11.5	10.0	11.0	17.0	15.0	16.0	21.5	18.0	20.5	23.0	22.0	22.5
17	11.0	9.5	10.0	17.0	16.5	16.5	21.5	18.5	20.5	25.0	22.5	23.5
18	11.5	9.5	10.5	17.0	16.5	16.5	22.5	20.0	21.0	26.5	23.5	25.0
19	11.0	10.0	10.5	17.5	16.0	16.5	22.0	20.0	21.0	28.0	25.0	26.0
20	12.0	11.0	11.5	16.5	14.5	15.5	23.0	20.5	21.5	28.5	26.0	27.0
21	13.0	11.0	12.0	16.0	13.5	14.5	22.5	21.0	22.0	29.0	27.0	28.0
22	13.0	11.5	12.5	16.0	13.5	14.5	24.5	22.0	23.0	29.5	27.5	28.5
23	14.5	12.5	13.5	16.0	14.0	15.0	25.0	23.0	23.5	29.0	27.0	28.0
24	16.5	14.0	15.0	16.0	14.0	15.0	24.5	22.5	23.5	29.0	26.5	28.0
25	16.0	14.5	15.0	16.5	15.0	15.5	24.0	22.0	23.0	28.5	27.0	28.0
26	17.0	15.0	16.0	---	---	---	24.0	22.5	23.5	28.5	27.0	28.0
27	17.5	16.0	17.0	---	---	---	24.5	22.5	23.5	29.0	27.5	28.5
28	18.5	17.0	17.5	---	---	---	24.5	23.0	24.0	29.0	28.0	28.5
29	18.5	17.5	18.0	---	---	---	25.5	24.0	25.0	29.0	27.5	28.5
30	---	---	---	16.0	14.5	15.5	25.0	23.5	24.5	28.5	26.0	27.5
31	---	---	---	16.0	14.5	15.5	---	---	---	28.0	25.0	26.5
MONTH	18.5	6.5	11.3	18.0	11.5	15.3	25.5	14.5	20.1	29.5	22.0	26.1





## LITTLE RIVER BASIN

02110777 AIW AT HIGHWAY 9 AT NIXONS CROSSROADS, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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

## LITTLE RIVER BASIN

02110777 AIW AT HIGHWAY 9 AT NIXONS CROSSROADS, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	6.2	4.6	5.0	6.7	5.9	6.3
2	---	---	---	---	---	---	5.4	4.4	4.9	6.3	5.7	6.0
3	---	---	---	---	---	---	5.5	4.3	4.9	6.5	5.8	6.2
4	6.7	6.0	6.3	---	---	---	5.7	4.1	4.9	6.3	5.9	6.1
5	6.9	6.1	6.3	---	---	---	5.2	3.6	4.5	8.9	5.8	7.1
6	6.4	5.8	6.0	---	---	---	4.7	3.3	4.2	8.7	7.2	7.9
7	6.2	5.6	5.8	---	---	---	4.8	3.7	4.2	7.4	5.9	6.6
8	5.9	5.4	5.7	---	---	---	4.8	4.0	4.4	5.9	4.5	5.1
9	5.9	5.3	5.6	---	---	---	5.0	3.8	4.4	4.8	3.6	4.0
10	6.3	5.3	5.7	---	---	---	5.1	4.1	4.6	4.1	3.2	3.6
11	---	---	---	5.7	4.8	5.4	5.7	4.3	4.9	4.7	3.3	4.0
12	---	---	---	---	---	---	5.9	4.9	5.4	4.6	3.3	3.9
13	6.0	5.4	5.6	---	---	---	5.8	4.9	5.4	3.9	2.5	3.0
14	6.0	5.3	5.6	5.6	4.1	4.6	5.6	4.8	5.3	3.5	2.4	2.7
15	6.6	5.4	5.9	6.1	4.2	5.1	5.7	4.8	5.2	2.8	1.2	1.9
16	6.9	5.9	6.2	5.5	3.3	4.5	5.2	4.3	4.7	2.6	.6	1.4
17	7.4	6.0	6.5	5.9	4.3	4.9	4.9	3.5	4.1	2.8	1.4	2.2
18	6.9	5.8	6.3	6.2	4.4	5.1	4.5	3.1	3.9	1.8	.8	1.3
19	6.7	5.8	6.2	6.3	4.7	5.3	5.3	3.5	4.6	1.5	.8	1.1
20	6.2	5.6	5.9	---	---	---	5.5	4.7	5.1	1.7	.7	1.1
21	6.2	5.4	5.7	---	---	---	5.8	4.7	5.3	2.0	.8	1.3
22	5.9	5.4	5.6	---	---	---	5.5	4.3	5.0	3.0	1.1	2.0
23	6.0	5.2	5.5	---	---	---	5.4	4.2	4.9	2.5	1.5	2.0
24	5.9	5.2	5.6	---	---	---	5.7	4.2	4.9	2.5	1.2	1.8
25	---	---	---	---	---	---	5.7	4.5	5.2	2.5	1.1	1.7
26	---	---	---	5.2	4.1	4.8	5.9	4.9	5.3	2.9	1.1	2.1
27	---	---	---	5.3	3.4	4.7	5.9	5.0	5.5	3.5	2.1	2.8
28	6.3	5.3	5.8	5.1	4.1	4.7	5.7	4.9	5.4	3.7	1.8	2.8
29	6.5	5.8	6.0	4.8	4.1	4.5	6.1	4.9	5.6	4.5	1.4	2.7
30	---	---	---	5.5	4.0	4.5	6.6	5.3	6.0	4.2	2.3	3.3
31	---	---	---	5.2	4.0	4.6	6.7	5.6	6.3	---	---	---
MONTH	7.4	5.2	5.9	6.3	3.3	4.8	6.7	3.1	5.0	8.9	.6	3.5
YEAR	10.7	.6	6.3									

Note: Dissolved oxygen concentrations are not corrected for salinity.

## WACCAMAW RIVER BASIN

02110802 WACCAMAW RIVER AT BUCKSPORT, SC

LOCATION.--Lat 33°38'56'', long 79°05'40'', Horry County, Hydrologic Unit 03040206, on right bank at Bucksport Plantation Marina, 1.0 mi southwest of Bucksport, 3.9 mi upstream from Bull Creek and at mile 25.2.

DRAINAGE AREA.--Undetermined.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1989 to September 1994.

GAGE.--Data collection platform. Datum of gage is 14.36 ft below sea level.

REMARKS.--Discharge records for the 1990 - 94 water years are computed by utilization of the One-Dimensional unsteady flow simulation model (BRANCH). Four auxiliary stations (02110705, 02110777, 02110815, and 02135190) are used in conjunction with this station for computation of discharge. Records poor.

DISCHARGE FOR THE 1995 AND 1996 WATER YEAR WILL BE INCLUDED IN THE 1997 WATER RESOURCES

WACCAMAW RIVER BASIN  
02110802 WACCAMAW RIVER AT BUCKSPORT, SC  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1984 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1983 to September 1995 (discontinued).

pH: February 1986 to September 1989 (discontinued).

WATER TEMPERATURE: February 1986 to current year.

DISSOLVED OXYGEN: April 1986 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 270 microsiemens, June 2, 1985; minimum, 40 microsiemens, many days 1983, 1984, 1985.

pH: Maximum, 7.8 units, Sept. 1, 2, 11, 1986; minimum, 5.0 units, Aug. 16, 1987.

WATER TEMPERATURE: Maximum, 32.5°C, Aug. 5, 1987; minimum, 0.5°C, Dec. 26 - 28, 1989.

DISSOLVED OXYGEN: Maximum, 11.2 mg/L, Dec. 25, 1989; minimum, 0.0 mg/L, Sept. 12 - 31, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 31.5°C, June 25; minimum, 4.0°C, Dec. 29, 30, Feb. 6, 7.

DISSOLVED OXYGEN: Maximum, 9.8 mg/L, Feb. 2; minimum, 0.0 mg/L, Sept. 12 - 31.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.5	22.5	23.5	18.5	18.0	18.0	10.5	10.5	10.5	6.0	5.0	5.5
2	24.0	23.0	23.5	19.0	18.5	19.0	11.0	10.0	10.5	7.0	6.0	6.5
3	24.0	23.0	23.5	20.0	19.0	19.5	11.0	10.5	11.0	8.0	7.0	7.5
4	24.5	23.5	24.0	20.0	19.0	19.5	11.5	11.0	11.5	7.5	7.0	7.5
5	25.0	24.5	24.5	19.0	16.5	17.5	12.0	11.0	11.5	7.5	7.0	7.5
6	25.5	25.0	25.0	16.5	15.5	16.0	12.5	11.5	12.0	7.5	7.0	7.0
7	25.5	25.0	25.5	16.5	15.0	16.0	12.5	11.5	12.0	7.5	6.5	7.0
8	26.0	25.0	25.5	16.5	15.5	16.0	11.5	11.0	11.0	6.5	5.5	6.0
9	25.5	24.5	25.0	16.0	14.0	15.0	11.0	10.5	11.0	5.5	5.5	5.5
10	25.0	24.0	24.5	14.0	13.0	13.5	10.5	9.5	10.0	5.5	5.0	5.5
11	24.5	24.0	24.5	14.5	13.5	14.0	10.0	9.0	9.5	5.5	5.0	5.0
12	24.5	24.0	24.0	14.0	13.0	13.5	9.0	8.5	9.0	5.5	5.0	5.5
13	24.5	24.0	24.0	13.0	12.5	13.0	9.0	8.5	8.5	5.5	5.0	5.5
14	24.5	23.5	24.0	13.0	12.0	12.5	9.0	8.0	8.5	5.5	4.5	5.5
15	24.0	23.0	23.5	12.0	11.5	12.0	9.5	8.5	9.0	6.0	5.0	5.5
16	23.0	22.0	22.5	11.5	10.5	11.0	9.5	8.5	9.5	6.5	5.5	6.0
17	22.0	21.0	21.5	11.0	10.5	11.0	9.5	8.5	9.0	7.0	6.0	6.5
18	21.0	20.0	20.5	11.0	10.5	10.5	9.5	8.5	9.0	8.0	6.5	7.0
19	21.0	20.0	20.5	11.5	10.5	11.0	10.0	9.0	9.5	10.0	8.0	9.0
20	21.0	20.5	20.5	11.5	11.0	11.0	10.5	10.0	10.0	9.0	8.5	9.0
21	21.0	20.0	20.5	12.0	11.0	11.5	10.0	9.0	9.5	8.5	7.5	8.0
22	20.0	19.0	19.5	11.0	10.5	11.0	9.0	8.0	8.5	7.5	7.0	7.5
23	19.5	18.5	19.0	10.5	10.0	10.5	8.5	7.5	7.5	8.0	7.0	7.5
24	19.5	19.0	19.5	10.5	10.0	10.5	7.5	6.5	7.0	9.0	7.5	8.0
25	20.0	19.0	19.5	10.5	10.0	10.5	6.5	5.5	6.0	8.5	8.0	8.5
26	20.5	19.5	20.0	10.0	9.5	10.0	6.0	5.0	5.5	9.0	7.5	8.0
27	21.0	20.0	20.5	10.5	9.5	10.0	5.0	4.5	5.0	10.0	7.5	9.0
28	21.5	20.5	21.0	11.5	10.5	10.5	5.0	4.5	4.5	9.5	9.0	9.5
29	20.5	19.0	20.0	12.0	11.0	11.5	4.5	4.0	4.5	9.5	8.0	9.0
30	19.0	18.0	18.5	11.5	10.5	11.0	4.5	4.0	4.5	9.5	8.0	9.0
31	18.0	17.5	18.0	---	---	---	5.5	4.5	5.0	10.0	8.5	9.5
MONTH	26.0	17.5	22.1	20.0	9.5	13.2	12.5	4.0	8.7	10.0	4.5	7.2





## WACCAMAW RIVER BASIN

02110802 WACCAMAW RIVER AT BUCKSPORT, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	5.1	3.5	4.0	3.7	3.1	3.5	7.1	6.5	6.8	8.1	7.6	7.8
2	4.8	3.4	3.9	3.3	2.8	3.1	6.9	6.3	6.7	8.3	7.4	7.8
3	4.8	3.3	3.8	3.2	2.9	3.0	7.5	6.7	7.0	7.9	7.2	7.5
4	4.9	3.3	3.9	3.4	2.7	3.1	7.0	6.6	6.8	7.9	7.2	7.7
5	4.8	3.2	3.9	3.6	3.2	3.4	7.6	6.6	7.0	7.9	7.3	7.7
6	4.0	2.9	3.1	3.6	3.1	3.4	7.3	6.4	6.8	7.9	7.3	7.7
7	3.0	2.5	2.8	---	---	---	7.0	6.4	6.6	8.2	7.5	7.9
8	2.7	2.3	2.6	---	---	---	6.9	6.5	6.7	8.3	7.4	8.0
9	4.4	2.2	2.9	---	---	---	6.9	6.6	6.8	8.6	7.7	8.1
10	4.2	2.5	3.0	---	---	---	7.2	6.6	6.9	8.4	7.9	8.2
11	3.8	2.2	2.8	---	---	---	7.3	6.7	6.9	8.7	7.9	8.4
12	3.4	2.0	2.6	---	---	---	7.7	6.6	7.0	8.9	8.0	8.5
13	2.9	1.7	2.2	---	---	---	7.9	6.8	7.1	8.3	7.8	8.2
14	2.6	1.8	2.1	---	---	---	8.1	6.8	7.1	8.7	7.8	8.3
15	3.1	2.6	2.8	---	---	---	7.4	6.8	7.0	8.6	8.0	8.3
16	3.3	2.6	2.8	---	---	---	7.9	6.8	7.2	8.6	8.2	8.4
17	3.0	2.5	2.6	---	---	---	8.4	6.9	7.7	8.7	8.2	8.5
18	2.9	2.5	2.7	---	---	---	8.3	7.1	7.8	8.9	8.3	8.6
19	3.0	2.6	2.8	---	---	---	8.1	7.2	7.6	8.9	8.2	8.6
20	3.3	2.4	3.0	---	---	---	7.3	6.8	7.0	8.8	8.3	8.5
21	3.5	2.7	3.1	---	---	---	7.3	6.7	7.0	9.0	8.5	8.8
22	3.1	2.9	3.0	7.7	6.2	7.0	7.5	6.7	7.2	9.2	8.6	8.9
23	3.1	2.8	3.0	8.0	6.4	7.3	7.8	6.8	7.3	9.2	8.6	9.0
24	3.1	2.8	2.9	7.5	6.3	6.8	7.7	7.0	7.4	9.3	8.8	9.1
25	3.0	2.5	2.8	7.4	6.5	6.8	7.9	7.2	7.4	9.2	8.6	8.9
26	3.0	2.7	2.9	7.2	6.4	6.7	8.0	7.4	7.6	9.4	8.7	9.1
27	3.6	2.3	2.8	7.1	6.2	6.5	7.8	7.5	7.7	9.5	8.9	9.2
28	3.4	2.6	3.0	6.7	6.2	6.4	8.1	7.5	7.8	9.2	8.7	8.9
29	2.8	2.5	2.6	6.4	6.0	6.2	8.2	7.5	7.9	9.2	8.7	9.0
30	2.8	2.5	2.6	7.1	6.2	6.5	8.3	7.7	8.0	9.3	8.6	9.0
31	3.6	2.6	3.2	---	---	---	8.2	7.7	8.0	9.5	8.8	9.3
MONTH	5.1	1.7	3.0	8.0	2.7	5.3	8.4	6.3	7.2	9.5	7.2	8.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	9.6	8.9	9.4	6.5	5.8	6.1	6.1	5.2	5.8	4.6	3.5	4.0
2	9.8	9.0	9.5	6.4	5.8	6.1	6.2	4.8	5.6	---	---	---
3	9.7	9.4	9.6	6.2	5.7	6.0	6.4	4.6	5.6	---	---	---
4	9.7	9.2	9.5	6.6	5.4	6.1	5.9	4.7	5.5	---	---	---
5	9.7	9.1	9.4	6.8	5.9	6.2	5.8	4.5	5.2	---	---	---
6	9.5	8.7	9.1	6.5	5.6	6.2	5.9	4.5	5.3	---	---	---
7	---	---	---	6.7	5.7	6.3	5.9	4.3	5.1	---	---	---
8	---	---	---	6.7	5.9	6.4	5.8	4.3	5.1	---	---	---
9	---	---	---	6.8	5.8	6.5	5.9	4.2	5.0	---	---	---
10	---	---	---	7.1	5.8	6.7	5.4	4.5	5.1	---	---	---
11	---	---	---	7.6	6.1	7.1	5.5	4.7	5.3	---	---	---
12	---	---	---	8.0	6.7	7.5	5.6	4.8	5.3	---	---	---
13	---	---	---	8.6	6.6	7.3	5.7	4.8	5.3	---	---	---
14	---	---	---	7.3	7.0	7.2	5.8	4.7	5.3	---	---	---
15	---	---	---	7.2	6.9	7.1	5.9	4.6	5.1	---	---	---
16	8.3	8.0	8.1	7.0	6.7	6.9	5.9	4.3	4.9	---	---	---
17	8.3	7.8	8.1	6.8	6.4	6.6	5.1	4.4	4.8	---	---	---
18	8.4	7.9	8.2	6.5	6.0	6.2	5.1	4.2	4.7	---	---	---
19	8.5	7.9	8.2	6.2	5.1	6.0	5.0	3.9	4.4	---	---	---
20	8.4	7.8	8.0	6.4	5.7	5.9	4.7	3.9	4.4	---	---	---
21	7.9	7.0	7.4	6.1	5.8	6.0	4.8	3.8	4.4	---	---	---
22	7.7	6.7	7.1	6.8	5.8	6.0	4.6	3.7	4.2	---	---	---
23	7.6	6.4	6.8	7.1	5.9	6.1	4.6	3.7	4.3	---	---	---
24	6.9	6.2	6.5	6.4	5.4	6.1	4.7	3.6	4.2	---	---	---
25	6.9	6.1	6.5	6.6	5.4	6.1	4.5	3.6	4.2	---	---	---
26	7.0	6.2	6.4	6.4	5.5	6.1	4.8	3.7	4.4	---	---	---
27	6.7	5.9	6.2	6.2	5.9	6.1	4.8	3.6	4.1	---	---	---
28	6.6	5.8	6.1	6.7	6.1	6.4	5.1	3.5	4.1	---	---	---
29	6.6	5.4	6.0	6.6	5.8	6.4	5.3	3.6	4.2	---	---	---
30	---	---	---	6.4	5.5	6.2	5.0	3.9	4.4	---	---	---
31	---	---	---	6.3	5.6	6.0	---	---	---	---	---	---
MONTH	9.8	5.4	7.8	8.6	5.1	6.4	6.4	3.5	4.8	4.6	3.5	4.0



## WACCAMAW RIVER BASIN

021108044 BULL CREEK NEAR BUCKSPORT, SC

LOCATION.--Lat 33°39'00'', long 79°07'24'', Horry County, Hydrologic Unit 03040206, on left bank, 4.0 mi downstream of State Highway 701 bridge, near Bucksport.

DRAINAGE AREA.--Indetermined.

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

GAGE.--Data collection platform and Acoustic Velocity Meter. Elevation of gage is 5 ft below sea level (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, Mar. 7 - 14, 1995, Jan. 3 - 5, 9 - 11, 1996, which are poor. Discharge records for the 1990 - 94 water years were computed by utilization of a One-Dimensional unsteady flow simulation model (BRANCH). Four auxiliary stations (02110777, 02110802, 02110815, and 02135190) were used in conjunction with this station for computation of discharge for those water years.

DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER 1994 TO SEPTEMBER 1995  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8800	6450	5810	8270	10100	8520	8180	2810	1990	6790	5380	7350
2	8620	5810	6590	8520	10700	8350	8060	2800	3220	7310	5410	7840
3	7740	5430	7180	8850	11100	8240	8020	1990	4590	7670	5890	8220
4	7390	5820	7500	9230	11000	8220	7540	2990	4900	8090	5980	8790
5	7100	6010	7960	9940	11800	8340	5970	1150	4720	8630	5430	9240
6	6720	6100	8310	10400	11800	8600	4940	980	6160	9100	5210	9550
7	6060	6120	8220	10600	12100	8750	5550	1230	6560	9370	4670	9460
8	5640	5600	7950	11500	12700	9100	5520	806	6830	9600	3500	9760
9	5590	4540	7630	11700	12600	9200	5310	2810	7200	9610	2910	9640
10	5370	4470	8210	11800	12600	10000	5060	2080	7390	9530	3120	9460
11	4310	4200	8630	11800	12400	11000	3980	2030	7760	9620	3470	8940
12	3460	4850	8540	12100	12000	11800	3740	3100	8190	9750	3340	7910
13	4030	5220	8720	12200	11700	11400	4220	3600	8510	9770	3490	6340
14	5600	5210	8600	11700	11600	11000	4290	4000	8840	9940	3430	4920
15	6160	4590	8340	10700	11500	10600	4760	4060	9120	10200	2710	5010
16	6250	3870	8110	10700	12000	10400	5140	3520	9060	10300	1790	5070
17	6660	4390	8130	10800	12200	10100	5160	3890	8460	10300	2010	5370
18	6740	5000	8480	10600	11800	10100	4060	4510	7710	9940	2450	4570
19	6400	5040	8470	10200	11800	9610	3130	4570	7400	8980	2560	3760
20	5910	4800	8000	9760	11700	9680	3620	3740	6800	7090	2650	3850
21	5660	4840	7230	9970	11400	10200	3890	3850	5350	6210	2630	4300
22	5940	4870	6820	9880	11200	10800	4270	3890	5300	6150	2080	4670
23	6610	3720	8450	9750	10700	11100	3780	3310	5660	6170	1450	5010
24	6950	4350	10000	9570	9980	10800	4310	2280	5700	6290	1180	4970
25	6520	5230	10800	9520	9440	10800	3260	2730	5610	6120	2130	5140
26	5910	5610	10700	9490	9010	10800	2600	602	5650	5320	3180	5090
27	5600	5200	9750	9480	8800	10800	3330	621	5770	5210	3930	4750
28	5970	5150	9140	9450	8650	10500	3730	728	5950	5470	4900	4610
29	6330	4430	8860	9350	---	9890	3150	708	6070	5580	4960	4850
30	6640	4850	8530	9340	---	9390	3140	1650	6380	5510	5650	5110
31	6580	---	8310	9680	---	8890	---	1870	---	5290	6490	---
TOTAL	193260	151770	257970	316850	314380	306980	141710	78905	192850	244910	113980	193550
MEAN	6234	5059	8322	10220	11230	9903	4724	2545	6428	7900	3677	6452
MAX	8800	6450	10800	12200	12700	11800	8180	4570	9120	10300	6490	9760
MIN	3460	3720	5810	8270	8650	8220	2600	602	1990	5210	1180	3760

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1995, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995
MEAN	7282	6389	8131	9940	10500	12290
MAX	12750	12630	12910	11400	12760	14530
(WY)	1990	1991	1993	1990	1993	1993
MIN	2929	3117	4019	8200	6207	9879
(WY)	1992	1994	1992	1994	1992	1995

## SUMMARY STATISTICS

## FOR 1995 WATER YEAR

## WATER YEARS 1990 - 1995

ANNUAL TOTAL	2507115		
ANNUAL MEAN	6869		
HIGHEST ANNUAL MEAN		7471	
LOWEST ANNUAL MEAN		8074	1990
HIGHEST DAILY MEAN	12700	6869	1995
LOWEST DAILY MEAN	602	22900	Jan 21 1993
ANNUAL SEVEN-DAY MINIMUM	1170	554	Oct 10 1990
10 PERCENT EXCEEDS	10800	1170	May 26 1995
50 PERCENT EXCEEDS	6520	13800	
90 PERCENT EXCEEDS	3140	7390	
		2510	



## WACCAMAW RIVER BASIN

021108044 BULL CREEK NEAR BUCKSPORT, SC--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5180	9010	10200	6660	11400	9800	10500	5840	4630	4370	4300	5630
2	5410	9500	10200	6090	11400	9480	10900	6710	4870	3120	4780	5430
3	5430	9700	9610	5800	11500	9940	10800	7780	4960	2480	5650	4860
4	5110	9780	9410	5650	12000	9590	11200	8450	4760	2680	6280	3700
5	4820	9580	8690	5700	12400	9460	11500	9090	4060	3400	6080	3510
6	5000	9610	8080	6230	12400	9340	11200	9580	4210	3390	5270	6590
7	5800	9690	7190	6650	12400	8710	11300	9640	4810	2160	4500	7780
8	6380	10300	6590	8160	12300	8490	11200	9940	5170	2050	4580	8710
9	6530	10300	6730	8300	12400	8150	11300	10100	5270	2300	4920	9490
10	6990	10400	7090	7900	12200	8560	11500	9850	4980	2150	5140	10100
11	7410	10400	7160	7100	11900	8970	11400	9360	3960	1620	5180	11100
12	7900	11300	6810	6570	12200	9280	11700	8750	3430	2680	4990	11800
13	8630	10700	6630	6810	12200	9940	11700	7850	4640	2490	4930	11500
14	9470	10600	6550	6720	12100	10800	11400	7620	5870	2170	4840	10700
15	10300	11400	6970	7030	12200	11600	10700	6700	6490	2290	5660	10300
16	10700	11400	7020	6640	11900	12100	10400	6170	6840	2040	6630	10200
17	10800	11700	6600	6230	12100	11900	9750	6320	7050	2150	7250	10200
18	10700	11700	6790	6190	11800	11700	8750	6280	7090	1880	7670	10400
19	10700	11800	6630	6920	11300	11000	8250	6070	7120	3490	8070	10100
20	10300	11800	6470	7380	11200	12200	7960	5700	7220	3290	8170	10000
21	10300	11500	6170	7240	11600	12600	7860	5170	6800	3050	8270	10100
22	10400	11400	6690	7650	11500	12200	7470	4470	6880	3070	8420	10200
23	10100	11000	7160	8040	11400	11800	6580	3970	7370	2630	8440	10500
24	9840	11100	7570	8350	11600	11800	5540	4340	7550	2420	8280	10400
25	9820	10900	7690	9420	11500	11700	5190	4480	7700	3170	8090	10000
26	9630	11000	7490	9030	11400	11800	5830	3850	6870	3990	7710	9800
27	9160	11000	6620	9620	11200	11500	6010	4020	6050	4010	6610	9360
28	9160	11200	5560	10800	11000	11100	5850	3220	6220	4250	5140	9260
29	9500	11100	5680	10600	10500	11400	5660	3030	5810	4490	4970	9400
30	8970	10600	6150	11300	---	10900	5730	3540	4950	4100	5180	8930
31	8740	---	6670	11600	---	10500	---	4200	---	3660	5440	---
TOTAL	259180	321470	224870	238380	341000	328310	275130	202090	173630	91040	191440	270050
MEAN	8361	10720	7254	7690	11760	10590	9171	6519	5788	2937	6175	9002
MAX	10800	11800	10200	11600	12400	12600	11700	10100	7700	4490	8440	11800
MIN	4820	9010	5560	5650	10500	8150	5190	3030	3430	1620	4300	3510

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

MEAN	7461	7007	8006	9377	10720	12050	9848	6813	6200	4199	6163	5568
MAX	12750	12630	12910	11400	12760	14530	17610	11250	8916	7900	10140	9002
(WY)	1990	1991	1993	1990	1993	1993	1993	1991	1992	1995	1991	1996
MIN	2929	3117	4019	7690	6207	9879	4724	2545	3855	2274	2635	2435
(WY)	1992	1994	1992	1996	1992	1992	1995	1995	1994	1990	1990	1990

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1990 - 1996

ANNUAL TOTAL	2709635	2916590	
ANNUAL MEAN	7424	7969	7637
HIGHEST ANNUAL MEAN			8074
LOWEST ANNUAL MEAN			6869
HIGHEST DAILY MEAN	12700	Feb 8	22900
LOWEST DAILY MEAN	602	May 26	554
ANNUAL SEVEN-DAY MINIMUM	1170	May 26	1170
10 PERCENT EXCEEDS	11200		11500
50 PERCENT EXCEEDS	7760		8050
90 PERCENT EXCEEDS	3140		4020
			7530
			2670

## WACCAMAW RIVER BASIN

02110815 WACCAMAW RIVER AT HAGLEY LANDING NEAR PAWLEYS ISLAND, SC

LOCATION.--Lat 33°26'10'', long 79°10'51'', Georgetown County, Hydrologic Unit 03040206, on left bank at Hagley Landing, 0.2 mi upstream of Jericho Creek, 3.2 mi west of Pawleys Island and at mile 6.9.

DRAINAGE AREA.--Undetermined.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1989 to September 1994.

GAGE.--Data collection platform. Datum of gage is 14.14 ft below sea level.

REMARKS.--Discharge records for the 1990 - 94 water years are computed by utilization of the One-Dimensional unsteady flow simulation model (BRANCH). Four auxiliary stations (02110705, 02110802, 02110815, and 02135190) are used in conjunction with this station for computation of discharge. Negative daily mean discharges are computed on many days, which are caused by two complete incoming and only one outgoing tide cycles during the day. Records poor.

DISCHARGE FOR THE 1995 AND 1996 WATER YEAR WILL BE INCLUDED IN THE 1997 WATER RESOURCES

## WACCAMAW RIVER BASIN

02110815 WACCAMAW RIVER AT HAGLEY LANDING NEAR PAWLEYS ISLAND, SC

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1986 to current year.

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1986 to current year.

pH: August 1986 to September 1989 (discontinued).

WATER TEMPERATURE: August 1986 to current year.

DISSOLVED OXYGEN: August 1986 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

REMARKS.--Prior to Oct. 1, 1991, values less than 100 microsiemens were not recordable.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 29,900 microsiemens, Sept. 22, 1989; minimum, 40 microsiemens, Aug. 30,

1992, Jan. 23, 1993, Feb. 2 - 3, 1993.

pH: Maximum, 8.0 units, May 26, 1988; minimum, 5.4 units, Sept. 29, 1987.

WATER TEMPERATURE: Maximum, 32.5°C, July 10, 1990, July 24, 1996; minimum, 1.0°C, Dec. 25, 26, 1989.

DISSOLVED OXYGEN: Maximum, 12.4 mg/L, Jan. 14, 19, 1988, Jan. 25, 1994; minimum, 0.2 mg/L, Sept. 14, 1996.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 9,520 microsiemens, July 12; minimum, 70 microsiemens, Sept. 25.

WATER TEMPERATURE: Maximum, 32.5°C, July 24; minimum, 2.5°C, Dec. 29, 30.

DISSOLVED OXYGEN: Maximum, 9.2 mg/L, Dec. 29, Jan. 1 - 3; minimum, 0.2 mg/L, Sept. 14.

## SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	150	136	141	112	102	107	108	102	104	116	112	114
2	144	138	141	108	96	102	110	102	105	116	112	113
3	144	138	141	100	94	98	116	106	109	116	112	114
4	144	140	142	106	100	102	112	108	111	122	116	119
5	144	138	142	106	96	103	116	112	113	122	112	118
6	142	136	139	106	100	103	114	108	111	118	110	113
7	140	134	136	106	100	103	118	108	113	118	110	114
8	138	132	136	106	100	104	122	104	115	120	112	116
9	138	134	135	106	94	103	116	112	114	118	110	114
10	138	124	131	108	100	104	124	112	117	118	110	114
11	128	110	119	106	100	103	124	110	121	120	116	118
12	114	106	109	108	96	104	124	116	120	122	116	119
13	108	102	106	106	98	102	122	118	120	120	114	117
14	112	106	108	106	100	103	122	118	120	122	116	118
15	112	106	108	106	94	103	122	116	118	120	114	117
16	112	102	107	106	98	102	118	112	115	120	114	117
17	112	104	107	106	100	103	116	110	114	124	118	120
18	112	108	109	106	100	103	120	116	117	---	---	---
19	112	108	111	106	98	101	126	118	122	---	---	---
20	114	108	111	104	96	101	130	124	127	---	---	---
21	112	106	110	102	96	100	128	114	125	---	---	---
22	118	102	109	104	94	101	128	118	123	---	---	---
23	120	104	108	106	96	100	122	116	119	---	---	---
24	126	106	110	104	96	99	128	112	122	---	---	---
25	112	106	108	104	92	100	124	116	120	---	---	---
26	110	104	107	102	96	100	124	114	118	---	---	---
27	110	102	106	102	96	100	122	116	120	---	---	---
28	110	102	106	100	96	99	122	116	119	---	---	---
29	110	102	106	106	98	101	118	112	116	---	---	---
30	110	100	104	106	96	103	118	108	114	---	---	---
31	112	106	108	---	---	---	112	108	110	---	---	---
MONTH	150	100	118	112	92	102	130	102	117	124	110	116

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C). WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	150	134	140
2	---	---	---	---	---	---	---	---	---	152	136	143
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	118	106	113
19	---	---	---	---	---	---	---	---	---	120	106	116
20	---	---	---	---	---	---	---	---	---	124	110	118
21	---	---	---	---	---	---	---	---	---	122	114	118
22	---	---	---	---	---	---	---	---	---	124	114	118
23	---	---	---	---	---	---	---	---	---	126	114	119
24	---	---	---	---	---	---	---	---	---	130	118	123
25	---	---	---	---	---	---	---	---	---	130	122	127
26	---	---	---	---	---	---	---	---	---	326	124	147
27	---	---	---	---	---	---	---	---	---	150	126	133
28	---	---	---	---	---	---	---	---	---	148	128	136
29	---	---	---	---	---	---	---	---	---	688	134	200
30	---	---	---	---	---	---	142	130	138	7310	144	1130
31	---	---	---	---	---	---	---	---	---	8080	182	2080
MONTH	---	---	---	---	---	---	142	130	138	8080	106	316
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	5960	150	1030	138	130	134	166	126	132	128	108	120
2	4740	150	631	152	134	137	134	126	129	136	124	130
3	2650	150	413	174	134	146	140	130	133	136	126	132
4	470	150	189	200	136	151	140	132	135	134	126	130
5	216	144	158	754	136	225	146	128	137	130	112	124
6	210	140	154	200	136	152	134	116	124	112	98	105
7	168	140	148	166	136	146	122	112	118	108	92	100
8	154	138	145	152	138	145	124	116	120	116	100	107
9	152	142	146	150	140	144	128	112	119	108	96	103
10	154	146	149	152	142	147	126	104	118	112	100	105
11	154	148	152	7690	144	1600	130	114	125	106	92	99
12	160	144	149	9520	425	3670	---	---	---	98	76	88
13	150	142	146	425	152	179	---	---	---	94	80	86
14	152	144	147	194	150	160	136	124	133	96	78	84
15	150	134	144	174	144	152	140	128	134	100	80	85
16	152	142	147	176	134	151	136	128	133	96	74	83
17	152	136	144	178	134	151	140	134	137	84	76	80
18	144	136	140	162	130	138	140	128	131	90	76	85
19	142	122	128	168	124	140	136	124	129	90	78	81
20	128	118	123	138	124	129	---	---	---	96	78	82
21	128	118	122	136	128	132	244	114	128	84	72	79
22	126	116	121	148	134	142	130	122	126	84	72	79
23	130	118	121	154	138	146	170	120	126	96	74	82
24	130	120	123	146	138	143	134	118	124	88	72	80
25	124	112	120	146	130	140	130	118	124	90	70	82
26	124	114	119	132	120	127	138	116	127	96	72	82
27	130	114	121	130	114	124	138	124	130	94	74	85
28	130	118	122	130	124	127	136	122	129	92	78	87
29	130	118	124	144	128	134	134	118	123	102	80	89
30	136	122	129	144	128	136	128	118	122	102	82	91
31	---	---	---	146	126	132	130	106	119	---	---	---
MONTH	5960	112	193	9520	114	306	244	104	127	136	70	95
YEAR	9520	70	160									



## WACCAMAW RIVER BASIN

02110815 WACCAMAW RIVER AT HAGLEY LANDING NEAR PAWLEYS ISLAND, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	24.0	23.0	23.5	19.0	18.0	18.5	10.5	10.0	10.5	4.5	3.5	4.0
2	24.0	23.0	23.5	19.0	18.5	18.5	11.0	9.5	10.0	5.5	4.0	4.5
3	24.5	23.0	23.5	20.0	19.0	19.0	11.0	9.0	10.0	7.0	5.0	6.0
4	24.5	24.0	24.0	19.5	18.0	18.5	11.0	9.0	10.0	6.5	5.0	5.5
5	25.0	24.0	24.5	18.0	16.5	17.0	11.5	9.0	10.5	7.0	5.0	6.0
6	25.0	24.5	24.5	16.5	16.0	16.5	11.0	9.0	10.5	6.5	5.5	6.5
7	25.5	24.5	25.0	17.0	15.5	16.0	10.5	9.0	9.5	6.5	5.0	6.0
8	26.0	25.0	25.0	16.5	15.5	16.0	10.0	8.5	9.0	5.5	3.5	5.0
9	25.0	24.5	25.0	15.5	14.5	15.0	9.0	9.0	9.0	4.5	3.5	4.0
10	25.0	24.0	24.5	14.5	13.5	14.0	9.5	8.0	9.0	4.5	3.5	4.0
11	24.5	24.0	24.5	14.5	13.0	14.0	9.0	7.0	8.0	4.0	3.0	4.0
12	24.0	23.5	23.5	13.5	12.5	13.0	7.5	7.0	7.5	4.5	3.5	4.0
13	24.0	23.5	23.5	13.5	12.0	13.0	8.0	7.0	7.5	4.5	3.0	3.5
14	24.0	23.5	23.5	12.5	11.5	12.5	7.5	7.5	7.5	4.5	3.0	3.5
15	23.5	22.5	23.0	12.0	11.0	11.5	9.0	7.0	7.5	4.5	3.5	4.0
16	23.5	22.0	22.5	12.0	10.5	11.0	9.5	7.5	8.0	4.5	3.5	4.0
17	22.0	20.5	21.5	11.0	10.0	10.5	8.0	7.5	8.0	5.0	3.5	4.0
18	20.5	20.0	20.5	10.5	9.5	10.0	8.0	7.5	7.5	---	---	---
19	20.5	20.0	20.0	10.5	9.5	10.0	9.5	8.0	8.5	---	---	---
20	20.5	20.0	20.5	10.5	9.5	10.0	9.5	8.0	9.0	---	---	---
21	21.0	19.5	20.0	11.0	10.0	10.5	8.5	8.0	8.0	---	---	---
22	20.5	19.0	19.5	10.5	9.5	10.0	8.0	7.5	7.5	---	---	---
23	19.5	18.5	19.0	10.0	9.0	9.5	8.0	7.0	7.5	---	---	---
24	20.0	18.5	19.0	10.0	9.0	9.5	7.0	5.5	6.5	---	---	---
25	20.0	19.0	19.5	10.0	9.5	9.5	6.0	4.5	5.0	---	---	---
26	20.5	19.5	20.0	10.0	9.0	9.5	5.0	4.0	4.5	---	---	---
27	21.0	20.0	20.5	9.5	8.5	9.0	4.5	3.5	4.0	---	---	---
28	21.0	20.0	20.5	11.0	9.5	10.0	4.5	3.0	3.5	---	---	---
29	20.5	19.0	20.0	11.0	9.5	10.5	4.0	2.5	3.0	---	---	---
30	19.5	18.5	19.0	11.5	10.0	10.5	3.5	2.5	3.0	---	---	---
31	18.5	18.5	18.5	---	---	---	4.0	3.0	3.5	---	---	---
MONTH	26.0	18.5	22.0	20.0	8.5	12.8	11.5	2.5	7.5	7.0	3.0	4.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	---	---	---	---	---	---	21.0	19.5	20.5
2	---	---	---	---	---	---	---	---	---	22.0	20.0	21.0
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	23.0	21.0	22.0
19	---	---	---	---	---	---	---	---	---	24.5	21.5	23.0
20	---	---	---	---	---	---	---	---	---	25.5	23.5	24.5
21	---	---	---	---	---	---	---	---	---	26.5	24.5	25.5
22	---	---	---	---	---	---	---	---	---	27.5	25.5	26.5
23	---	---	---	---	---	---	---	---	---	27.5	26.5	27.0
24	---	---	---	---	---	---	---	---	---	28.0	26.5	27.5
25	---	---	---	---	---	---	---	---	---	28.5	26.5	27.5
26	---	---	---	---	---	---	---	---	---	29.0	27.0	28.0
27	---	---	---	---	---	---	---	---	---	29.5	27.0	28.5
28	---	---	---	---	---	---	---	---	---	29.0	28.0	28.5
29	---	---	---	---	---	---	---	---	---	29.0	26.5	28.5
30	---	---	---	---	---	---	22.0	20.5	21.0	28.0	26.5	27.5
31	---	---	---	---	---	---	---	---	---	27.5	26.5	27.0
MONTH	---	---	---	---	---	---	22.0	20.5	21.0	29.5	19.5	25.8



## WACCAMAW RIVER BASIN

02110815 WACCAMAW RIVER AT HAGLEY LANDING NEAR PAWLEYS ISLAND, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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

## WACCAMAW RIVER BASIN

02110815 WACCAMAW RIVER AT HAGLEY LANDING NEAR PAWLEYS ISLAND, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	5.7	4.6	5.0	5.6	5.1	5.3	---	---	---	---	---	---
2	5.5	4.7	5.0	5.5	4.8	5.1	---	---	---	---	---	---
3	5.3	4.7	5.0	6.6	4.7	5.4	---	---	---	---	---	---
4	5.2	4.7	5.0	6.0	5.1	5.5	---	---	---	---	---	---
5	5.2	4.7	5.0	5.5	5.0	5.3	---	---	---	---	---	---
6	5.2	4.8	5.0	5.6	4.9	5.2	---	---	---	---	---	---
7	5.3	4.9	5.1	5.8	4.9	5.4	---	---	---	---	---	---
8	5.3	5.0	5.1	---	---	---	---	---	---	---	---	---
9	5.9	5.1	5.4	---	---	---	---	---	---	---	---	---
10	5.8	5.3	5.5	---	---	---	---	---	---	---	---	---
11	5.9	5.4	5.6	---	---	---	---	---	---	---	---	---
12	5.9	5.4	5.6	---	---	---	---	---	---	2.4	1.5	1.9
13	5.9	5.3	5.6	---	---	---	---	---	---	1.5	.6	1.0
14	6.1	5.3	5.6	---	---	---	---	---	---	2.0	.2	1.6
15	5.5	5.2	5.4	---	---	---	---	---	---	2.4	1.3	2.1
16	5.7	5.1	5.4	---	---	---	---	---	---	2.7	2.1	2.3
17	6.1	5.4	5.7	---	---	---	---	---	---	4.0	1.1	2.9
18	6.1	5.6	5.9	---	---	---	---	---	---	2.1	.9	1.4
19	7.1	6.1	6.5	---	---	---	---	---	---	2.3	.8	1.5
20	6.3	5.8	6.1	---	---	---	---	---	---	2.2	1.0	1.7
21	6.1	5.5	5.8	---	---	---	---	---	---	2.1	1.9	2.0
22	5.8	5.2	5.4	---	---	---	---	---	---	2.7	2.0	2.3
23	5.7	5.0	5.3	---	---	---	---	---	---	2.5	1.0	2.1
24	5.8	5.1	5.3	---	---	---	---	---	---	2.4	1.0	1.9
25	5.9	5.3	5.6	---	---	---	---	---	---	2.4	.9	1.9
26	6.2	5.3	5.6	---	---	---	---	---	---	2.5	1.1	1.9
27	5.9	5.2	5.6	---	---	---	---	---	---	2.3	.9	2.0
28	5.7	5.0	5.3	---	---	---	---	---	---	2.3	.8	1.7
29	5.7	4.9	5.1	---	---	---	---	---	---	3.1	1.2	2.1
30	5.6	4.8	5.1	---	---	---	---	---	---	3.0	1.2	2.3
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	7.1	4.6	5.4	6.6	4.7	5.3	---	---	---	4.0	.2	1.9
YEAR	9.2	.2	5.4									

Note: Dissolved oxygen concentrations are not corrected for salinity.

## PEE DEE RIVER BASIN

02130561 PEE DEE RIVER NEAR BENNETTSVILLE, SC

LOCATION.--Lat 34°36'22'', long 79°47'19'', Marlboro County, Hydrologic Unit 03040201, inside the intake structure at Willamette Industries, 8.5 mi west of Bennettsville, and at mile 153.0.

DRAINAGE AREA.-- 7,600 mi<sup>2</sup>, approximately.

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

GAGE.--Data collection platform. Datum of gage is sea level (levels by Willamette Industries).

REMARKS.--Records fair except for estimated daily discharges, Feb. 4 - 6, which are poor. Flow regulated by powerplants above station (combined usable capacity of reservoirs, 30,819,624,000 ft<sup>3</sup>/s).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5500	10200	10200	1730	40600	9720	11800	23800	5310	872	5110	1100
2	5380	10200	9540	4460	28800	9570	14700	22100	3340	3970	5050	1080
3	3970	14900	4250	7710	35200	8580	17700	14300	1670	4230	4870	1090
4	4970	22600	2530	9160	58200	3630	14300	11600	5220	3400	2590	7140
5	37800	14700	6110	9700	50000	4120	12000	9490	6680	1080	2880	14700
6	61500	9870	6600	8720	36700	6530	11100	3650	6940	3100	3960	26400
7	54900	9750	6880	2900	27500	12700	10400	4740	5190	2550	4050	32100
8	41900	24400	7090	3810	20600	37400	9940	6850	4040	2620	4940	32900
9	21500	45000	6850	8430	18100	36800	9840	5270	2860	2620	4610	17500
10	13800	36400	5760	7600	18300	20200	9920	6220	1800	2640	4530	10100
11	12300	22400	5860	6120	16900	12100	9540	7170	7840	2250	3020	10300
12	11400	32600	8630	7360	16300	9980	8410	5880	15300	2570	4830	12900
13	11600	49800	9410	7020	14400	9430	6650	1850	12800	2520	9090	13600
14	8990	46400	8810	4040	12600	9900	3320	5400	10700	987	15700	11900
15	9730	32500	7400	4640	13100	10000	4460	7210	10400	764	18200	7770
16	12300	18600	6520	8650	13500	10000	7350	6270	6450	2400	16100	5200
17	12200	16100	3140	9240	12000	7660	7840	5100	3960	4310	9780	10800
18	10500	14200	3080	9650	12200	5710	7230	6020	4060	3510	9210	14000
19	8760	13500	7610	10100	12200	9260	5760	3560	7570	3100	9030	12200
20	5680	12500	8320	34900	12300	11000	5470	2780	8550	2180	9040	8080
21	8060	12500	8280	39200	12600	14100	3130	3630	8620	1430	8950	5650
22	9240	11900	8250	30500	12500	12900	2330	5210	7560	1290	8730	2930
23	8570	9740	7860	21400	10800	11200	5980	5080	5450	3040	7640	2350
24	8140	7220	3200	16600	10300	9270	6380	4210	4430	2590	5450	4690
25	7910	9200	2180	14700	9630	5730	7100	3550	5940	2590	1300	5110
26	7790	10400	1970	14600	10200	7360	4520	2240	5100	2700	1690	6320
27	7700	10800	6860	16700	10200	8500	5660	2320	4220	3950	5776	4400
28	9550	10100	7670	53800	10300	10200	3690	3770	3070	1840	6220	4010
29	15800	10800	7650	66300	9880	14400	2280	3960	2610	1400	6170	3800
30	17400	10000	6240	61600	---	18600	8690	4350	1010	4190	6700	1420
31	11300	---	3220	50600	---	14200	---	5080	---	5290	4800	---
TOTAL	466140	559280	197970	551940	565910	370750	237490	202660	178690	81983	210050	291540
MEAN	15040	18640	6386	17800	19510	11960	7916	6537	5956	2645	6776	9718
MAX	61500	49800	10200	66300	58200	37400	17700	23800	15300	5290	18200	32900
MIN	3970	7220	1970	1730	9630	3630	2280	1850	1010	764	1300	1080
CFSM	1.98	2.45	.84	2.34	2.57	1.57	1.04	.86	.78	.35	.89	1.28
IN.	2.28	2.74	.97	2.70	2.77	1.81	1.16	.99	.87	.40	1.03	1.43

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1996, BY WATER YEAR (WY)

	1991	1992	1993	1994	1995	1996
MEAN	6239	8580	6586	15880	13560	20760
MAX	15040	18640	9477	27070	24800	35610
(WY)	1996	1996	1991	1991	1993	1991
MIN	2202	2449	3475	5732	6597	11350
(WY)	1994	1992	1992	1992	1993	1992

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1991 - 1996

ANNUAL TOTAL	4216060	3914403	
ANNUAL MEAN	11550	10700	
HIGHEST ANNUAL MEAN			9347
LOWEST ANNUAL MEAN			11330
HIGHEST DAILY MEAN	77400	Feb 19	6255
LOWEST DAILY MEAN	556	Aug 21	77400
ANNUAL SEVEN-DAY MINIMUM	2120	Aug 19	556
INSTANTANEOUS PEAK FLOW			880
INSTANTANEOUS PEAK STAGE			* 88200
ANNUAL RUNOFF (CFSM)	1.52	83.89	* 87.51
ANNUAL RUNOFF (INCHES)	20.64	1.41	1.23
10 PERCENT EXCEEDS	24200	19.16	16.71
50 PERCENT EXCEEDS	7470	20800	20600
90 PERCENT EXCEEDS	2560	7850	6100
		2600	1960

\* From discharge measurement made prior to gage installation.



PEE DEE RIVER BASIN  
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, 5.8 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.--Data collection platform. Datum of gage is 224.72 ft above sea level. Prior to December 22, 1959, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, May 6, 7, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	202	144	144	220	127	370	249	61	30	54	65
2	61	169	139	159	204	125	291	242	55	33	64	54
3	58	173	135	172	238	120	237	265	53	48	59	62
4	126	171	132	171	243	116	227	214	54	55	71	81
5	210	165	130	161	270	113	204	130	51	46	69	74
6	233	157	130	162	330	127	174	120	49	40	103	146
7	646	151	135	158	301	236	167	110	46	36	131	178
8	536	199	142	155	228	329	164	94	43	33	161	186
9	321	213	152	157	196	362	165	94	75	33	143	156
10	202	223	162	165	185	519	159	104	142	32	85	97
11	128	269	164	160	180	426	153	88	130	31	120	108
12	107	304	169	154	177	286	147	79	83	37	162	190
13	101	257	159	150	169	207	142	74	60	44	283	198
14	115	271	142	146	158	174	155	72	74	45	264	149
15	168	340	135	144	150	163	164	75	136	48	165	79
16	174	300	133	138	147	164	162	83	83	56	94	76
17	182	231	134	131	144	210	150	77	68	61	69	179
18	210	185	130	127	141	224	138	77	62	54	63	230
19	157	164	140	159	139	239	126	69	55	43	76	245
20	140	156	153	183	142	255	131	58	53	36	65	269
21	180	152	156	188	146	240	133	52	60	34	54	199
22	187	148	164	215	150	235	132	50	53	34	47	155
23	215	144	155	236	157	206	126	47	46	42	43	212
24	233	142	137	195	152	167	116	45	41	69	41	220
25	179	163	130	171	143	154	107	44	38	63	42	194
26	120	168	126	167	135	148	111	43	36	51	47	109
27	110	177	123	237	129	145	130	53	34	42	87	87
28	162	186	121	266	127	186	144	98	32	37	157	80
29	178	174	119	246	128	241	153	101	32	34	159	75
30	180	154	117	247	---	258	227	96	31	32	133	77
31	194	---	126	252	---	317	---	72	---	37	89	---
TOTAL	5876	5908	4334	5516	5229	6819	5005	3075	1836	1316	3200	4230
MEAN	190	197	140	178	180	220	167	99.2	61.2	42.5	103	141
MAX	646	340	169	266	330	519	370	265	142	69	283	269
MIN	58	142	117	127	127	113	107	43	31	30	41	54
CFSM	1.76	1.82	1.29	1.65	1.67	2.04	1.54	.92	.57	.39	.96	1.31
IN.	2.02	2.03	1.49	1.90	1.80	2.35	1.72	1.06	.63	.45	1.10	1.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1996, BY WATER YEAR (WY)

MEAN	131	138	163	207	221	240	195	134	116	112	125	101
MAX	469	230	267	362	411	346	338	276	272	357	370	245
(WY)	1991	1972	1973	1993	1960	1987	1960	1991	1969	1975	1971	1979
MIN	53.6	59.6	86.7	91.3	110	107	66.1	52.7	30.1	23.9	34.6	26.7
(WY)	1984	1982	1985	1981	1986	1985	1985	1981	1986	1986	1983	1968

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1960 - 1996
ANNUAL TOTAL	61133	52344	
ANNUAL MEAN	167	143	157
HIGHEST ANNUAL MEAN			237
LOWEST ANNUAL MEAN			91.4
HIGHEST DAILY MEAN	677	Feb 19	2460
LOWEST DAILY MEAN	*** 36	Aug 14	* 17
ANNUAL SEVEN-DAY MINIMUM	39	Aug 12	33
INSTANTANEOUS PEAK FLOW			688
INSTANTANEOUS PEAK STAGE			9.47
ANNUAL RUNOFF (CFSM)	1.55		1.32
ANNUAL RUNOFF (INCHES)	21.06		18.03
10 PERCENT EXCEEDS	301		239
50 PERCENT EXCEEDS	142		142
90 PERCENT EXCEEDS	59		46

\* Also occurred on Aug. 4 - 5, 1990.

\*\* From rating curve extended above 1,800 ft<sup>3</sup>/s.

\*\*\* Also occurred on Aug. 15.

PEE 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 above sea level.

REMARKS.--No estimated daily discharges. Records good. Some regulation by storage in Lake Robinson above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	282	234	190	381	186	361	235	120	85	94	150
2	116	283	230	197	374	180	383	239	114	86	87	138
3	110	285	221	208	385	174	360	242	108	86	80	147
4	169	283	214	218	371	168	338	247	102	82	83	159
5	229	258	207	218	356	160	328	239	100	80	91	245
6	257	242	200	220	363	167	306	216	97	85	97	291
7	288	242	205	236	379	265	287	191	93	86	106	178
8	392	262	192	233	379	355	265	172	90	82	119	199
9	427	258	195	223	369	364	256	160	101	82	128	214
10	405	260	200	224	342	390	235	151	113	90	134	212
11	359	288	196	224	321	432	218	145	122	86	146	220
12	303	344	200	227	305	430	206	147	125	83	149	304
13	266	355	206	225	284	396	199	131	121	47	167	296
14	253	354	207	220	268	362	211	124	119	39	199	283
15	272	353	205	218	261	328	206	118	131	82	220	258
16	251	367	199	217	257	313	204	115	135	88	209	250
17	244	370	183	209	235	348	192	116	130	90	188	278
18	240	347	182	201	226	352	181	114	123	91	181	279
19	243	324	194	216	217	336	175	112	118	89	166	283
20	263	301	208	235	220	331	173	108	117	86	155	292
21	272	283	200	242	223	329	173	101	115	83	142	304
22	262	266	203	243	220	319	169	99	118	79	128	322
23	257	249	208	252	224	308	163	91	114	81	118	304
24	260	247	205	268	227	291	164	94	99	85	110	299
25	268	256	198	275	216	271	150	120	99	87	104	299
26	256	248	194	264	210	262	147	119	87	87	102	284
27	230	246	186	313	204	249	153	125	92	90	116	253
28	259	248	182	360	200	276	150	132	86	86	142	223
29	252	257	178	364	201	292	157	136	88	84	160	204
30	251	247	175	357	---	297	212	140	84	76	165	195
31	266	---	179	383	---	309	---	127	---	87	163	---
TOTAL	8038	8605	6186	7680	8218	9240	6722	4606	3261	2550	4249	7363
MEAN	259	287	200	248	283	298	224	149	109	82.3	137	245
MAX	427	370	234	383	385	432	383	247	135	91	220	322
MIN	110	242	175	190	200	160	147	91	84	39	80	138
CFSM	1.50	1.66	1.15	1.43	1.64	1.72	1.30	.86	.63	.48	.79	1.42
IN.	1.73	1.85	1.33	1.65	1.77	1.99	1.45	.99	.70	.55	.91	1.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1996, BY WATER YEAR (WY)

MEAN	182	195	230	288	302	331	267	195	173	166	189	158
MAX	539	299	393	484	433	493	482	364	376	447	466	336
(WY)	1991	1972	1977	1993	1973	1983	1973	1991	1973	1975	1971	1979
MIN	76.6	107	142	144	172	164	109	90.9	76.3	46.4	79.2	79.7
(WY)	1982	1982	1989	1981	1989	1985	1985	1981	1986	1986	1988	1968

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1961 - 1996

ANNUAL TOTAL	88053	76718	
ANNUAL MEAN	241	210	
HIGHEST ANNUAL MEAN			223
LOWEST ANNUAL MEAN			320
HIGHEST DAILY MEAN	929	Feb 18	141
LOWEST DAILY MEAN	83	Aug 13	1965
ANNUAL SEVEN-DAY MINIMUM	91	Aug 12	1986
INSTANTANEOUS PEAK FLOW			2890
INSTANTANEOUS PEAK STAGE			Oct 13 1990
ANNUAL RUNOFF (CFSM)	1.39		30
ANNUAL RUNOFF (INCHES)	18.93		Aug 7 1990
10 PERCENT EXCEEDS	401		33
50 PERCENT EXCEEDS	211		Aug 2 1990
90 PERCENT EXCEEDS	112		Oct 13 1990
			* 4450
			Oct 13 1990
			12.35
			1.29
			17.48
			369
			197
			99

\* From rating curve extended above 1,100 ft<sup>3</sup>/s.

PEE DEE RIVER BASIN  
02131000 PEE DEE RIVER AT PEEDEE, SC

LOCATION.--Lat 34°12'15'', long 79°32'55'', Marion County, Hydrologic Unit 03040201, at downstream side of downstream 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.

GAGE.--Data collection platform. Datum of gage is 24.73 ft above sea level. Prior to Oct. 1, 1947, at site 1.6 mi downstream at datum 1.27 ft lower.

REMARKS.--Records fair except for estimated daily discharges, July 7 - 9, 15, 16, which are poor. Flow regulated by six powerplants above station (combined usable capacity of reservoirs, 30,819,624,000 ft<sup>3</sup>).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8260	14800	11800	4870	26200	11600	16600	9150	5500	3150	5240	5850
2	7030	14000	11700	3440	28100	11300	16300	15500	5520	3120	5400	3180
3	6400	13500	10800	5000	29000	11000	16700	16900	4300	3750	5470	2160
4	5390	15100	7080	7580	28900	9570	17300	16400	3300	4390	5110	2450
5	7290	16800	4820	9120	28600	6270	17100	15400	5040	3840	3840	6840
6	15700	16500	6430	9890	28800	5500	16400	13200	6500	3160	3880	13200
7	18800	15100	7330	9080	29100	7400	15600	8660	7010	3190	4520	17500
8	20700	14400	7690	5560	29000	13500	14700	6740	5890	3130	4780	19400
9	22800	17000	7930	5190	27900	18300	13800	7270	4680	3110	5360	20700
10	23900	19500	7950	8060	26000	20000	13100	6430	3670	3130	5260	21000
11	23200	21100	6880	8270	24100	21100	12500	6620	3390	3130	4990	19700
12	21400	22100	7030	7410	22400	20300	11800	7360	7260	2920	4100	18800
13	19400	22700	8790	7810	21000	18500	10800	6300	11800	3000	5380	18600
14	17900	23700	9720	7560	19600	16700	8620	3850	12300	2980	9030	18300
15	16400	24800	9650	5660	18300	15500	5970	5290	11700	2080	12800	17500
16	15600	25700	8770	5760	17500	14600	6010	6890	11100	1380	14800	15100
17	15600	25500	7380	8170	16800	13900	7740	6710	8090	2680	14700	13200
18	15300	24100	5010	9290	16000	12100	8530	5960	5610	4210	13000	14300
19	14200	22200	4620	9980	15400	10600	8290	5940	5050	3960	11500	15400
20	12600	20400	7420	11800	15100	11600	7360	4610	7010	3610	10600	15300
21	10600	18900	8700	17000	15000	12900	6390	3790	8580	2960	10100	13400
22	10900	17700	9060	19100	14900	14300	4760	4120	9150	2100	9800	10500
23	11300	16600	9120	20100	14700	14500	4010	5170	8430	2030	9370	7240
24	10800	14800	8400	20800	14000	14100	6060	5380	6670	3520	8540	5630
25	10100	12800	5460	20500	13200	12400	6980	4780	5460	3800	6430	6580
26	9590	12200	3730	19500	12300	9740	7450	4200	5810	3900	3410	7030
27	9220	12400	3450	18700	12000	9210	6100	3560	5520	4000	2790	7740
28	9400	12400	6430	18800	11900	10000	6030	3550	4810	4290	5520	6540
29	10900	12100	7750	20500	11900	12100	4910	4530	3900	3050	6610	5790
30	14200	12200	8080	22300	---	14800	4120	4870	3360	2340	6810	5210
31	15400	---	6910	24300	---	16400	---	5090	---	4160	7190	---
TOTAL	430280	531100	235890	371100	587700	409790	302030	224220	196410	100070	226330	354140
MEAN	13880	17700	7609	11970	20270	13220	10070	7233	6547	3228	7301	11800
MAX	23900	25700	11800	24300	29100	21100	17300	16900	12300	4390	14800	21000
MIN	5390	12100	3450	3440	11900	5500	4010	3550	3300	1380	2790	2160
CFSM	1.57	2.00	.86	1.36	2.30	1.50	1.14	.82	.74	.37	.83	1.34
IN.	1.81	2.24	.99	1.56	2.48	1.73	1.27	.94	.83	.42	.95	1.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

	MEAN	6811	6848	9001	12920	15830	17710	14400	9235	7509	6654	6853	6703
MAX	29150	18760	22710	26840	44410	36910	31790	24620	17950	21520	16110	49130	
(WY)	1965	1948	1949	1993	1960	1979	1984	1958	1982	1975	1970	1945	
MIN	2117	2241	3213	3268	5560	5505	4055	3083	2714	2475	1981	1380	
(WY)	1952	1954	1940	1956	1941	1981	1981	1981	1988	1986	1954	1954	

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1939 - 1996
ANNUAL TOTAL	4062740	3969060	
ANNUAL MEAN	11130	10840	9968
HIGHEST ANNUAL MEAN			16470
LOWEST ANNUAL MEAN			5392
HIGHEST DAILY MEAN	37000	29100	217000
LOWEST DAILY MEAN	1300	1380	720
ANNUAL SEVEN-DAY MINIMUM	2660	2600	814
INSTANTANEOUS PEAK FLOW		29200	* 220000
INSTANTANEOUS PEAK STAGE		22.80	33.30
INSTANTANEOUS LOW FLOW		1260	629
ANNUAL RUNOFF (CFSM)	1.26	1.23	1.13
ANNUAL RUNOFF (INCHES)	17.12	16.72	15.34
10 PERCENT EXCEEDS	21300	20300	20300
50 PERCENT EXCEEDS	8790	9130	7200
90 PERCENT EXCEEDS	3720	3780	3130

\* 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.

PEE DEE RIVER BASIN  
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 265 and 151, at Jefferson.

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

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

GAGE.--Data collection platform. Datum of gage is 302.68 ft above sea level.

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	24	21	27	32	18	45	39	5.9	2.1	4.5	2.7
2	3.2	25	20	24	79	18	44	26	5.4	2.6	2.7	2.4
3	2.8	28	19	32	136	17	35	20	6.2	2.7	10	2.9
4	103	24	18	28	66	16	32	17	7.4	2.1	13	4.0
5	147	19	19	23	45	16	29	15	7.1	2.1	3.8	5.5
6	53	18	20	20	39	26	27	13	5.6	2.1	4.0	20
7	32	39	25	29	36	147	29	12	5.6	2.1	3.4	8.5
8	22	61	24	29	35	110	26	11	5.6	2.0	3.0	6.0
9	16	35	29	24	36	54	26	9.9	8.0	2.1	2.6	4.7
10	14	27	29	24	34	41	24	9.2	7.8	2.4	3.3	8.9
11	13	68	23	22	32	35	22	7.9	5.8	2.7	3.2	9.3
12	12	105	21	24	29	32	22	7.4	4.9	2.9	6.5	6.6
13	12	48	19	23	26	30	20	6.8	4.9	2.2	7.4	5.3
14	26	36	17	22	26	28	23	5.9	4.8	2.3	4.7	4.3
15	37	31	17	20	26	28	22	5.3	5.3	3.2	4.3	5.9
16	23	28	17	19	25	31	21	4.9	5.8	4.4	3.3	28
17	16	26	16	18	23	35	19	4.6	4.8	3.1	3.7	50
18	14	25	16	20	23	32	18	4.2	4.3	2.8	3.2	21
19	12	25	25	67	23	36	18	3.9	4.3	3.1	4.3	13
20	30	23	29	46	27	34	19	3.4	4.3	3.1	3.4	9.3
21	38	23	22	32	30	29	20	3.0	4.2	3.3	3.0	7.4
22	26	22	19	28	25	26	18	2.7	3.8	3.0	3.6	21
23	19	21	18	25	25	24	17	2.5	3.8	4.2	14	12
24	15	23	17	29	24	23	16	2.7	3.7	4.8	4.7	8.6
25	14	34	16	30	21	23	16	5.8	3.0	3.8	6.9	7.0
26	13	30	16	26	20	23	19	7.2	2.7	2.9	5.5	6.2
27	15	26	16	53	20	22	24	7.3	2.6	2.6	7.5	6.1
28	58	24	15	45	20	93	20	10	2.7	2.1	17	6.5
29	31	23	14	34	20	77	16	7.7	2.3	2.1	5.9	5.5
30	22	22	15	30	---	47	54	8.0	2.2	2.1	3.9	8.1
31	20	---	23	36	---	38	---	6.7	---	3.5	3.2	---
TOTAL	862.9	963	615	909	1003	1209	741	290.0	144.8	86.5	169.5	306.7
MEAN	27.8	32.1	19.8	29.3	34.6	39.0	24.7	9.35	4.83	2.79	5.47	10.2
MAX	147	105	29	67	136	147	54	39	8.0	4.8	17	50
MIN	2.8	18	14	18	20	16	16	2.5	2.2	2.0	2.6	2.4
CFSM	1.15	1.32	.82	1.21	1.42	1.60	1.02	.38	.20	.11	.23	.42
IN.	1.32	1.47	.94	1.39	1.54	1.85	1.13	.44	.22	.13	.26	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1996, BY WATER YEAR (WY)

	MEAN	20.7	21.5	28.3	44.1	43.1	54.7	34.6	20.2	12.3	10.8	12.1	8.58
MAX	179	56.1	62.3	91.3	73.4	101	72.8	93.2	49.4	50.0	47.6	36.4	
(WY)	1991	1993	1995	1978	1979	1980	1979	1991	1991	1991	1991	1994	
MIN	1.18	3.02	5.37	7.80	15.9	13.5	5.92	.79	.26	.009	.23	.59	
(WY)	1984	1985	1985	1981	1986	1985	1985	1981	1986	1986	1983	1983	

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1976 - 1996

ANNUAL TOTAL	9594.7	7300.4	
ANNUAL MEAN	26.3	19.9	25.9
HIGHEST ANNUAL MEAN			62.3
LOWEST ANNUAL MEAN			10.7
HIGHEST DAILY MEAN	239	Jan 15	2600
LOWEST DAILY MEAN	2.6	Aug 14	.00
ANNUAL SEVEN-DAY MINIMUM	2.8	Aug 8	.00
INSTANTANEOUS PEAK FLOW			356
INSTANTANEOUS PEAK STAGE			5.19
ANNUAL RUNOFF (CFSM)	1.08		.82
ANNUAL RUNOFF (INCHES)	14.69		11.18
10 PERCENT EXCEEDS	54		36
50 PERCENT EXCEEDS	19		18
90 PERCENT EXCEEDS	4.1		3.0
			1.3

\* No flow occurred on many days in 1983, 1986, 1987, 1988 and 1990.

\*\* From rating curve extended above 1,200 ft<sup>3</sup>/s on basis of slope-area computation.

\*\*\* Also occurred on Mar. 7.



## PEE DEE RIVER BASIN

02131320 LITTLE FORK CREEK AT JEFFERSON, SC

LOCATION.--Lat 34°38'13'', long 80°24'23'', Chesterfield County, Hydrologic Unit 03040202, on downstream side, at center of span on State Highway 265 bridge, 0.9 mi south of intersection of State Highways 265 and 151, at Jefferson.

DRAINAGE AREA.--15.0 mi<sup>2</sup>.

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

GAGE.--Data collection platform. Elevation of gage is 300 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	12	13	18	23	13	31	28	2.0	1.0	1.1	3.6
2	3.5	17	12	17	62	13	32	18	2.1	1.2	.90	1.9
3	4.6	20	13	31	85	13	25	14	2.1	1.2	10	2.2
4	53	17	13	24	41	12	23	12	2.2	1.1	8.2	2.0
5	50	14	13	18	31	11	21	9.8	2.2	1.0	1.3	3.1
6	18	12	13	16	27	19	20	8.6	2.2	1.0	1.9	16
7	9.5	22	15	23	25	97	21	7.0	2.2	.93	3.0	5.1
8	7.8	35	17	23	25	56	20	7.2	1.7	.95	1.2	3.0
9	6.8	21	20	19	27	34	19	6.6	3.4	.92	.88	3.5
10	5.8	17	20	19	25	28	18	5.8	3.0	.84	1.7	19
11	5.5	48	16	18	23	25	17	5.1	2.0	.79	1.1	18
12	4.9	59	14	19	21	22	16	4.9	1.9	.91	3.6	11
13	5.3	31	12	19	19	21	16	4.6	1.9	.89	4.8	7.5
14	9.0	27	12	17	20	20	21	4.0	1.7	.98	2.1	3.8
15	14	24	12	16	19	20	18	3.8	1.9	.87	1.5	2.3
16	7.4	20	12	14	17	22	16	3.8	1.7	1.1	1.4	20
17	4.7	19	11	14	16	22	13	3.4	1.5	1.1	.94	40
18	3.6	17	12	15	16	21	13	3.2	1.5	.89	.94	24
19	3.0	17	19	40	15	25	13	3.0	1.8	.64	.92	14
20	6.7	17	21	32	18	25	13	3.0	1.5	.56	.91	9.9
21	9.6	16	15	22	21	20	13	2.5	1.5	.68	1.0	8.0
22	7.8	15	12	20	18	19	12	2.9	1.4	.65	1.1	15
23	6.5	14	11	19	18	19	10	2.4	1.2	1.2	2.6	11
24	6.4	16	11	22	16	18	10	2.2	1.3	1.1	3.9	8.2
25	9.0	25	11	23	13	18	9.8	2.0	1.2	.88	7.4	7.7
26	8.1	21	11	19	14	17	13	2.8	1.1	.97	2.5	6.0
27	9.9	17	11	35	13	16	18	2.7	1.3	.80	17	5.9
28	32	15	10	30	15	61	14	5.8	.99	.75	25	5.5
29	18	15	10	23	15	45	13	3.1	.99	.76	9.3	4.3
30	13	13	10	22	---	31	47	3.1	.99	.67	7.5	6.5
31	11	---	14	26	---	27	---	2.3	---	1.6	5.9	---
TOTAL	357.8	633	416	673	698	810	545.8	187.6	52.47	28.93	131.59	288.0
MEAN	11.5	21.1	13.4	21.7	24.1	26.1	18.2	6.05	1.75	.93	4.24	9.60
MAX	53	59	21	40	85	97	47	28	3.4	1.6	25	40
MIN	3.0	12	10	14	13	11	9.8	2.0	.99	.56	.88	1.9
CFSM	.77	1.41	.89	1.45	1.60	1.74	1.21	.40	.12	.06	.28	.64
IN.	.89	1.57	1.03	1.67	1.73	2.01	1.35	.47	.13	.07	.33	.71

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1996, BY WATER YEAR (WY)

MEAN	27.6	16.7	17.0	26.2	25.5	33.2	23.2	14.6	10.7	7.85	8.68	6.42
MAX	114	31.7	33.8	46.5	38.9	47.7	40.2	44.8	19.9	21.7	21.4	11.8
(WY)	1991	1993	1995	1993	1995	1991	1993	1991	1991	1991	1991	1994
MIN	2.65	3.44	5.30	13.8	16.7	17.7	8.55	5.53	1.75	.93	1.62	2.98
(WY)	1994	1994	1994	1992	1992	1992	1995	1994	1996	1996	1993	1992

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1991 - 1996

ANNUAL TOTAL	5902.0	4822.19	
ANNUAL MEAN	16.2	13.2	18.1
HIGHEST ANNUAL MEAN			33.6
LOWEST ANNUAL MEAN			10.7
HIGHEST DAILY MEAN	168	97	1400
LOWEST DAILY MEAN	3.0	.56	.56
ANNUAL SEVEN-DAY MINIMUM	3.6	.80	.68
INSTANTANEOUS PEAK FLOW		198	* 2440
INSTANTANEOUS PEAK STAGE		4.05	12.83
ANNUAL RUNOFF (CFSM)	1.08	.88	1.21
ANNUAL RUNOFF (INCHES)	14.64	11.96	16.41
10 PERCENT EXCEEDS	31	25	34
50 PERCENT EXCEEDS	11	12	12
90 PERCENT EXCEEDS	4.4	1.1	2.3

\* From rating curve extended above 1,200 ft<sup>3</sup>/s.



## 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, on right side, on downstream side of bridge on State Road 184, 2.1 mi south of Kershaw, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--23.9 mi<sup>2</sup>.

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

GAGE.--Data collection platform. Elevation of gage is 345 ft above sea level (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, Nov. 3 - 5, Feb. 18 - 21, Mar. 20, 21, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	17	16	22	33	15	54	59	9.3	2.7	8.0	3.6
2	6.3	16	15	20	99	14	47	34	8.4	2.6	4.9	3.2
3	5.7	18	15	36	227	14	37	25	7.9	2.2	7.2	4.7
4	191	16	15	27	84	13	33	21	9.2	1.7	11	3.9
5	172	12	15	21	54	13	30	18	13	1.6	5.1	4.1
6	50	10	15	20	44	13	29	16	9.2	1.9	9.8	14
7	28	34	18	33	39	33	29	15	8.8	2.2	5.6	6.6
8	19	58	16	31	36	341	26	16	16	1.9	4.1	4.3
9	14	28	19	24	35	99	26	15	20	1.9	3.1	3.4
10	13	22	19	23	31	56	23	14	16	1.8	3.4	28
11	12	92	15	20	29	42	22	13	12	1.5	3.0	44
12	11	123	14	23	26	35	21	13	10	1.8	3.1	11
13	16	51	14	22	24	32	21	12	9.0	3.0	5.5	6.4
14	23	36	14	19	24	29	35	12	8.8	2.9	3.3	4.3
15	57	30	14	18	23	27	24	12	8.9	2.3	2.6	3.6
16	21	25	15	17	23	29	22	12	8.2	2.2	2.1	40
17	14	23	14	17	22	137	20	12	7.2	2.3	2.3	122
18	12	21	14	17	22	110	19	11	6.4	2.1	2.9	27
19	11	20	29	49	22	62	19	11	6.1	1.4	13	13
20	11	20	28	39	24	60	24	11	6.4	.79	4.7	8.7
21	15	19	19	27	27	50	21	11	5.8	.76	3.2	7.3
22	12	17	17	23	22	38	17	11	5.4	.73	2.2	29
23	10	16	16	21	20	34	16	11	4.8	4.5	1.6	12
24	9.5	19	15	28	19	31	15	11	4.4	14	4.0	7.5
25	9.2	27	14	29	18	30	15	11	3.9	4.6	11	7.5
26	9.1	21	14	22	16	29	23	11	3.5	3.3	3.8	5.9
27	12	18	14	51	16	27	26	11	3.1	2.5	17	5.5
28	38	18	14	42	16	95	17	14	2.9	2.2	78	5.8
29	17	17	13	31	17	71	25	13	2.8	2.1	13	5.4
30	12	16	13	28	---	48	161	23	2.9	2.1	6.4	12
31	13	---	21	38	---	40	---	11	---	3.8	4.9	---
TOTAL	849.7	860	504	838	1092	1667	897	490	240.3	81.38	249.8	453.7
MEAN	27.4	28.7	16.3	27.0	37.7	53.8	29.9	15.8	8.01	2.63	8.06	15.1
MAX	191	123	29	51	227	341	161	59	20	14	78	122
MIN	5.7	10	13	17	16	13	15	11	2.8	.73	1.6	3.2
CFSM	1.15	1.20	.68	1.13	1.58	2.25	1.25	.66	.34	.11	.34	.63
IN.	1.32	1.34	.78	1.30	1.70	2.59	1.40	.76	.37	.13	.39	.71

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1996, BY WATER YEAR (WY)

	MEAN	21.0	21.6	30.1	40.2	45.6	50.0	33.8	20.3	13.0	11.3	18.5	12.9
MAX	114	63.4	86.3	108	107	98.2	72.4	67.4	29.2	39.6	77.6	44.9	
(WY)	1991	1993	1993	1993	1995	1983	1993	1991	1994	1989	1991	1989	
MIN	1.70	2.84	6.22	8.75	18.1	13.2	8.30	5.09	.99	.27	2.28	1.94	
(WY)	1984	1982	1985	1981	1986	1985	1985	1981	1986	1986	1993	1981	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1981 - 1996

ANNUAL TOTAL	11893.3	8222.88	
ANNUAL MEAN	32.6	22.5	26.5
HIGHEST ANNUAL MEAN			46.6
LOWEST ANNUAL MEAN			10.2
HIGHEST DAILY MEAN	564	Feb 18	1080
LOWEST DAILY MEAN	1.3	Aug 17	.13
ANNUAL SEVEN-DAY MINIMUM	1.8	Aug 12	.19
INSTANTANEOUS PEAK FLOW			652
INSTANTANEOUS PEAK STAGE			6.91
ANNUAL RUNOFF (CFSM)	1.36		.94
ANNUAL RUNOFF (INCHES)	18.51		12.80
10 PERCENT EXCEEDS	65		40
50 PERCENT EXCEEDS	16		15
90 PERCENT EXCEEDS	6.0		3.1
			2.7

\* Also occurred on July 21, 30, 1986.

\*\* From rating curve extended above 960 ft<sup>3</sup>/s.

PEE DEE RIVER BASIN  
02132000 LYNCHES RIVER AT EFFINGHAM, SC

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, 1.0 mi south of Effingham, and at mile 43.4.

DRAINAGE AREA.--1,030 mi<sup>2</sup>, approximately.

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

GAGE.--Data collection platform. Datum of gage is 58.49 ft above sea level. Prior to Sept. 7, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, May 26 - 31, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAY	OCT	NOV	DEC	JAN	FEB	MEAN VALUES MAR	APR	MAY	JUN	JUL	AUG	SEP
1	479	1250	888	722	1450	743	1590	983	802	296	452	666
2	428	1390	863	753	1530	728	1730	1040	751	256	570	712
3	393	1410	808	773	1720	708	1780	1000	716	245	466	785
4	413	1300	771	809	1890	691	1880	1000	626	228	441	768
5	590	1140	739	854	1920	674	2070	1070	663	211	474	641
6	730	1070	712	892	1800	658	2170	1150	579	214	510	1130
7	722	1040	719	947	1660	810	2150	1200	546	218	495	1270
8	725	1160	743	1070	1570	1260	1980	1150	507	203	506	1540
9	786	1140	759	1170	1590	1250	1790	856	443	190	583	1290
10	885	1030	834	1140	1770	1400	1500	636	422	183	630	1120
11	991	1010	845	1030	2210	1660	1200	543	435	180	597	1180
12	1120	1160	859	1040	2460	1840	1030	496	541	178	520	1480
13	1340	1320	875	1130	2250	1930	955	464	568	173	485	1840
14	1740	1430	881	1160	1780	2120	897	440	613	169	507	2070
15	2150	1490	888	1070	1350	2540	840	420	574	170	520	1860
16	1830	1480	857	972	1120	2830	802	400	627	193	545	1540
17	1360	1430	802	907	1010	2640	785	380	839	198	594	1350
18	1130	1430	764	868	929	2190	793	364	905	207	554	1090
19	1070	1500	776	832	869	1660	803	360	758	219	697	834
20	1220	1610	834	806	870	1380	779	360	872	243	586	756
21	1600	1640	841	796	910	1340	745	351	971	257	507	810
22	1420	1450	852	827	878	1360	707	334	1300	233	474	948
23	1100	1090	877	920	840	1380	675	318	1150	255	437	1060
24	983	900	917	1050	818	1380	665	302	842	586	385	1070
25	961	844	948	1200	815	1380	654	294	656	727	338	946
26	921	812	917	1320	815	1370	631	300	694	805	310	884
27	827	784	839	1560	793	1260	622	574	830	932	376	983
28	941	774	783	1840	761	1260	608	597	766	988	411	1000
29	1030	802	741	1700	758	1460	576	678	538	842	472	889
30	1020	856	709	1490	---	1500	742	781	376	624	512	715
31	1020	---	693	1420	---	1480	---	894	---	492	596	---
TOTAL	31925	35742	25334	33068	39136	44882	34149	19735	20910	10915	15550	33227
MEAN	1030	1191	817	1067	1350	1448	1138	637	697	352	502	1108
MAX	2150	1640	948	1840	2460	2830	2170	1200	1300	988	697	2070
MIN	393	774	693	722	758	658	576	294	376	169	310	641
CFSM	1.00	1.16	.79	1.04	1.31	1.41	1.11	.62	.68	.34	.49	1.08
IN.	1.15	1.29	.91	1.19	1.41	1.62	1.23	.71	.76	.39	.56	1.20

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

MEAN	699	700	1061	1519	1733	1948	1535	797	602	657	703	689
MAX	3932	2347	3808	4464	4747	4874	4930	2180	1934	2331	2181	6326
(WY)	1965	1948	1995	1993	1973	1983	1936	1991	1973	1975	1971	1945
MIN	163	207	276	350	495	500	453	241	194	125	158	116
(WY)	1952	1932	1934	1934	1934	1938	1985	1981	1986	1986	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1930 - 1996	
ANNUAL TOTAL	472557		344573		1050	
ANNUAL MEAN	1295		941		1823	
HIGHEST ANNUAL MEAN					451	
LOWEST ANNUAL MEAN					24500	
HIGHEST DAILY MEAN	6440	Feb 24	2830	Mar 16	24500	Sep 22 1945
LOWEST DAILY MEAN	218	Aug 21	169	Jul 14	95	Oct 9 1954
ANNUAL SEVEN-DAY MINIMUM	228	Aug 16	178	Jul 9	97	Oct 7 1954
INSTANTANEOUS PEAK FLOW			2850	Mar 16	25000	Sep 22 1945
INSTANTANEOUS PEAK STAGE			11.20	Mar 16	21.21	Sep 22 1945
INSTANTANEOUS LOW FLOW			166	Jul 15	94	Oct 10 1954
ANNUAL RUNOFF (CFSM)	1.26		.91		1.02	
ANNUAL RUNOFF (INCHES)	17.07		12.44		13.85	
10 PERCENT EXCEEDS	3070		1620		2260	
50 PERCENT EXCEEDS	812		841		698	
90 PERCENT EXCEEDS	361		379		263	

PEE DEE RIVER BASIN

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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.--January 1942 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Data collection platform. Datum of gage is 23.95 ft above sea level. Prior to July 26, 1967, nonrecording gage and crest-stage gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1210	3000	2620	2400	3330	3240	4390	2770	1110	622	1350	1560
2	1110	3110	2510	2370	3450	3220	4600	3400	1050	535	1190	1440
3	1020	3350	2400	2380	3650	3150	4890	3930	989	501	1140	1440
4	962	3650	2320	2370	3810	3080	5130	4050	941	466	1140	1440
5	992	3920	2250	2360	3980	3010	5220	3970	918	421	1230	1570
6	1040	4080	2190	2340	4170	2930	5140	3930	936	391	1420	2670
7	1140	4090	2210	2350	4360	3100	5010	4090	951	366	1710	4090
8	1230	4020	2180	2360	4550	3390	4780	4230	949	344	1950	7150
9	1320	3820	2150	2390	4760	3700	4610	4210	990	326	1980	10300
10	1420	3650	2160	2420	4900	4170	4420	3990	1020	310	2000	12500
11	1570	3570	2160	2450	4930	4580	4210	3660	926	299	2060	14100
12	1680	3520	2180	2490	4830	4840	4000	3340	840	322	2320	15100
13	1790	3470	2190	2510	4660	5160	3790	3110	799	359	2630	16700
14	1970	3510	2200	2550	4460	5520	3590	2870	780	386	2920	17500
15	2170	3570	2200	2590	4260	5730	3390	2660	789	436	3160	17000
16	2320	3630	2200	2620	4120	5730	3200	2460	958	574	3300	15900
17	2510	3670	2200	2640	3930	5580	3000	2260	1280	784	3280	14500
18	2650	3710	2190	2660	3750	5440	2840	2060	1550	1130	3150	13200
19	2770	3770	2290	2700	3590	5350	2680	1860	1860	1530	3020	12000
20	2900	3790	2380	2710	3520	5290	2540	1660	2040	1620	2970	10800
21	2950	3740	2470	2710	3450	5280	2440	1460	2240	1510	2990	9660
22	3000	3640	2590	2680	3380	5250	2340	1280	2360	1400	2990	8720
23	3230	3540	2740	2630	3360	5130	2250	1130	2280	1410	2920	7820
24	3370	3420	2840	2590	3340	4970	2180	995	2130	1420	2760	7150
25	3300	3350	2860	2540	3310	4730	2110	906	1950	1510	2540	6680
26	3150	3210	2800	2500	3280	4430	2070	846	1730	1600	2370	6330
27	3000	3070	2710	2580	3260	4110	2050	873	1490	1690	2320	6090
28	3010	2960	2630	2690	3270	3990	1980	963	1250	1890	2110	5950
29	2920	2850	2560	2860	3280	3940	1910	1020	1000	1960	1950	5930
30	2840	2720	2480	3080	---	3960	2280	1120	780	1820	1830	5760
31	2840	---	2430	3230	---	4090	---	1150	---	1590	1700	---
TOTAL	67384	105400	74290	79750	112940	136090	103040	76253	38886	29522	70400	261050
MEAN	2174	3513	2396	2573	3894	4390	3435	2460	1296	952	2271	8702
MAX	3370	4090	2860	3230	4930	5730	5220	4230	2360	1960	3300	17500
MIN	962	2720	2150	2340	3260	2930	1910	846	780	299	1140	1440
CFSM	.78	1.26	.86	.92	1.40	1.57	1.23	.88	.46	.34	.81	3.12
IN.	.90	1.41	.99	1.06	1.51	1.81	1.37	1.02	.52	.39	.94	3.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1996, BY WATER YEAR (WY)

	1877	1824	2855	4316	5246	5839	4559	2241	1800	1933	2429	2424
MEAN	1877	1824	2855	4316	5246	5839	4559	2241	1800	1933	2429	2424
MAX	14020	9623	10680	11760	15610	14710	12450	7308	7167	6650	11460	12410
(WY)	1965	1948	1949	1993	1973	1983	1973	1978	1966	1961	1974	1945
MIN	344	499	821	1082	1361	1607	962	557	432	238	281	212
(WY)	1952	1974	1952	1952	1989	1981	1981	1981	1990	1990	1954	1954

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1942 - 1996

ANNUAL TOTAL	1349783	1155005	3113
ANNUAL MEAN	3698	3156	5947
HIGHEST ANNUAL MEAN			1371
LOWEST ANNUAL MEAN			1951
HIGHEST DAILY MEAN	17500	17500	27500
LOWEST DAILY MEAN	453	299	158
ANNUAL SEVEN-DAY MINIMUM	475	332	164
INSTANTANEOUS PEAK FLOW		17600	27600
INSTANTANEOUS PEAK STAGE		11.46	13.01
INSTANTANEOUS LOW FLOW		294	155
ANNUAL RUNOFF (CFSM)	1.33	1.13	1.12
ANNUAL RUNOFF (INCHES)	18.00	15.40	15.16
10 PERCENT EXCEEDS	7710	5130	7000
50 PERCENT EXCEEDS	2710	2680	2110
90 PERCENT EXCEEDS	755	991	627

\* Also occurred on July 12.

PEE DEE RIVER BASIN  
02135000 LITTLE PEE DEE RIVER AT GALIVANTS FERRY, SC  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 10, 11, 16, 1996.

REMARKS.--Samples were collected to document the affects of Hurricane Fran.

WATER QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
SEP												
11...	0942	2.70	--	756	24.0	--	--	80	--	--	0.4	
11...	1003	4.00	--	756	24.5	--	--	46	--	--	3.3	
11...	1029	4.50	--	756	24.5	--	--	47	--	--	3.5	
11...	1048	3.50	--	756	24.5	--	--	47	--	--	3.4	
11...	1050	--	14300	756	24.5	42500	<5	51	3.7	76	2.9	
11...	1105	5.00	--	756	24.5	--	--	48	--	--	3.3	
11...	1110	5.00	--	756	24.5	--	--	47	--	--	3.4	
11...	1119	15.0	--	756	24.5	--	--	48	--	--	3.2	
11...	1122	25.0	--	756	24.5	--	--	48	--	--	2.9	
11...	1124	15.0	--	756	24.5	--	--	48	--	--	2.9	
16...	0738	2.00	--	758	21.0	--	--	53	--	--	4.1	
16...	0745	3.00	--	758	22.5	--	--	52	--	--	3.1	
16...	0750	3.00	--	758	22.5	--	--	52	--	--	3.4	
16...	0755	2.50	--	758	22.5	--	--	53	--	--	3.5	
16...	0800	--	16100	758	22.5	3100	K33	53	2.3	85	3.3	
DATE		OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TUR- BID- ITY (NTU) (00076)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)
SEP												
11...	5	5.6	--	--	--	--	--	--	--	--	--	--
11...	40	4.9	--	--	--	--	--	--	--	--	--	--
11...	42	5.0	--	--	--	--	--	--	--	--	--	--
11...	41	5.1	--	--	--	--	--	--	--	--	--	--
11...	35	5.1	1.5	0.040	0.020	0.060	0.060	<0.015	0.80	0.80	0.86	--
11...	40	5.0	--	--	--	--	--	--	--	--	--	--
11...	41	5.0	--	--	--	--	--	--	--	--	--	--
11...	39	5.1	--	--	--	--	--	--	--	--	--	--
11...	35	5.2	--	--	--	--	--	--	--	--	--	--
11...	35	5.4	--	--	--	--	--	--	--	--	--	--
16...	46	5.3	--	--	--	--	--	--	--	--	--	--
16...	36	5.1	--	--	--	--	--	--	--	--	--	--
16...	39	5.1	--	--	--	--	--	--	--	--	--	--
16...	41	5.2	--	--	--	--	--	--	--	--	--	--
16...	38	5.1	1.0	0.040	0.020	0.060	0.060	<0.015	1.1	1.1	1.2	--

PEE DEE RIVER BASIN  
02135000 LITTLE PEE DEE RIVER AT GALIVANTS FERRY, SC  
WATER-QUALITY RECORDS

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

DATE	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM, DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
SEP											
11...	0.12	0.040	0.050	0.050	370	20	<1	<1.0	<1	<1	3
16...	0.15	0.050	0.050	0.070	430	23	<1	<1.0	<1	<1	2
DATE	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	NITRO- GEN, DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)
SEP											
11...	2	53	<1	<1	<1.0	<1.0	21	0.86	0.040	0.18	0.07
16...	<1	44	<1	<1	<1.0	<1.0	20	0.96	0.040	0.18	0.07
DATE	TIME	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)		
SEP											
16...	0801	4.00	758	22.5	53	3.4	39	5.1			
16...	0805	4.50	758	22.5	53	3.5	41	5.1			
16...	0810	6.00	758	22.5	53	3.0	35	5.1			
16...	0815	20.0	758	22.5	52	2.8	32	5.0			
16...	0820	5.00	758	22.5	52	2.9	34	5.0			

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  
02135200 PEE DEE RIVER AT HIGHWAY 701 NEAR BUCKSPORT, SC  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1986 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1986 to September 1994 (discontinued).

pH: February 1986 to September 1989 (discontinued).

WATER TEMPERATURE: February 1986 to current year.

DISSOLVED OXYGEN: February 1986 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 310 microsiemens, Oct. 10, 23, 1986; minimum, 40 microsiemens, Mar. 10, 15, 17, 22, 1987.

pH: Maximum, 7.8 units, May 23, 1988; minimum, 5.0 units, July 30, Aug. 9, 28, 1987.

WATER TEMPERATURE: Maximum, 32.5°C, July 28, Aug. 9, 1987; minimum, 0.5°C, Dec. 24 - 28, 1989.

DISSOLVED OXYGEN: Maximum, 11.6 mg/L, Dec. 25, 26, 29, 30, 1989; minimum, 1.1 mg/L, Oct. 7, 8, 1989.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 30.5°C, July 19, 21, 22; minimum, 2.5°C, Feb. 7.

DISSOLVED OXYGEN: Maximum, 10.7 mg/L, Dec. 30, 31; minimum, 2.4 mg/L, Sept. 13.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.0	22.5	22.5	18.0	18.0	18.0	10.5	10.0	10.5	5.0	4.5	5.0
2	23.0	22.5	22.5	18.0	18.0	18.0	10.5	10.0	10.5	---	---	---
3	---	---	---	18.5	18.0	18.0	10.5	10.5	10.5	---	---	---
4	---	---	---	18.5	17.5	18.0	11.0	10.5	10.5	7.5	7.5	7.5
5	---	---	---	17.5	16.5	17.0	11.0	10.5	10.5	8.0	7.0	7.5
6	---	---	---	16.5	15.5	16.0	11.5	11.0	11.0	7.5	6.5	7.0
7	---	---	---	16.0	15.5	15.5	11.5	11.0	11.5	6.5	5.5	6.0
8	---	---	---	15.5	15.0	15.5	11.0	10.0	10.5	5.5	4.5	5.0
9	---	---	---	15.0	13.5	14.0	10.0	9.5	10.0	4.5	4.0	4.0
10	---	---	---	13.5	13.0	13.5	9.5	9.0	9.5	4.0	3.5	3.5
11	---	---	---	14.0	13.5	13.5	9.0	7.5	8.0	4.0	3.5	4.0
12	---	---	---	13.5	12.5	13.0	7.5	7.0	7.0	4.0	3.5	4.0
13	---	---	---	12.0	12.0	12.0	7.0	6.5	7.0	4.0	3.5	4.0
14	---	---	---	12.0	11.5	12.0	7.5	6.5	7.0	4.0	3.5	4.0
15	---	---	---	11.5	11.0	11.5	8.0	7.0	7.0	4.5	4.0	4.0
16	---	---	---	11.0	10.5	10.5	8.5	8.0	8.0	5.0	4.5	4.5
17	---	---	---	10.5	10.0	10.5	8.5	8.0	8.5	6.0	5.0	5.5
18	---	---	---	10.0	9.5	10.0	8.5	8.5	8.5	7.0	5.5	6.5
19	---	---	---	10.0	10.0	10.0	9.5	8.5	9.0	8.5	7.0	8.0
20	---	---	---	10.5	10.0	10.0	9.5	9.5	9.5	8.0	7.5	7.5
21	---	---	---	10.5	10.0	10.5	9.5	8.5	9.0	7.5	7.0	7.0
22	---	---	---	10.5	10.0	10.0	8.5	7.0	7.5	7.0	6.0	6.5
23	---	---	---	10.0	9.5	10.0	7.0	6.5	7.0	7.0	6.0	6.5
24	19.0	18.5	18.5	10.5	10.0	10.0	6.5	5.5	6.0	7.5	7.0	7.0
25	19.0	18.5	19.0	10.5	10.0	10.0	5.5	4.5	5.0	7.0	6.5	7.0
26	19.5	19.0	19.0	10.0	9.5	10.0	4.5	4.0	4.5	7.0	6.0	6.5
27	19.5	19.0	19.5	10.5	10.0	10.0	4.0	3.5	3.5	8.0	7.0	7.5
28	20.0	19.5	20.0	11.0	10.5	10.5	3.5	3.0	3.5	8.0	7.5	7.5
29	19.5	18.5	19.0	11.5	11.0	11.0	3.5	3.0	3.0	7.5	7.0	7.0
30	18.5	18.5	18.5	11.0	10.5	11.0	3.5	3.0	3.5	7.5	7.0	7.5
31	18.5	18.0	18.0	---	---	---	4.5	3.5	4.0	8.0	7.5	8.0
MONTH	23.0	18.0	19.6	18.5	9.5	12.6	11.5	3.0	7.8	8.5	3.5	6.1



## PEE DEE RIVER BASIN

02135200 PEE DEE RIVER AT HIGHWAY 701 NEAR BUCKSPORT, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	4.9	4.1	4.5	5.7	5.5	5.6	7.5	7.4	7.5	10.4	10.1	10.3
2	4.9	4.1	4.4	5.7	5.4	5.6	7.6	7.5	7.5	---	---	---
3	4.9	4.0	4.4	5.5	5.3	5.3	7.8	7.5	7.6	---	---	---
4	---	---	---	5.4	5.2	5.3	7.9	7.7	7.8	8.8	8.6	8.7
5	---	---	---	5.8	5.4	5.6	7.8	7.3	7.6	9.0	8.7	8.8
6	---	---	---	6.0	5.8	5.9	7.3	6.7	6.9	9.5	8.9	9.3
7	---	---	---	6.1	5.9	6.0	7.2	6.7	7.0	9.7	9.4	9.5
8	---	---	---	6.0	5.9	5.9	7.9	7.2	7.6	9.8	9.4	9.6
9	---	---	---	6.2	5.9	6.0	8.3	7.9	8.1	9.8	9.7	9.8
10	---	---	---	6.5	6.2	6.3	8.6	8.1	8.4	10.0	9.7	9.8
11	---	---	---	6.9	6.5	6.6	8.9	8.4	8.7	10.2	10.0	10.1
12	---	---	---	6.8	6.7	6.8	9.2	8.9	9.0	10.6	10.1	10.4
13	---	---	---	6.8	6.7	6.8	9.3	9.1	9.1	10.4	10.3	10.3
14	---	---	---	6.8	6.7	6.8	9.6	9.3	9.4	10.4	10.2	10.3
15	---	---	---	7.1	6.7	6.9	9.8	9.5	9.6	10.5	10.3	10.4
16	---	---	---	7.2	6.9	7.0	9.6	9.2	9.4	10.4	10.0	10.2
17	---	---	---	7.5	7.1	7.2	9.4	9.0	9.2	10.1	9.7	9.8
18	---	---	---	7.5	7.3	7.4	9.1	8.6	8.8	10.0	9.7	9.8
19	---	---	---	7.6	7.4	7.5	8.7	8.1	8.4	10.0	9.5	9.8
20	---	---	---	7.6	7.5	7.6	8.1	7.9	8.0	9.7	9.3	9.5
21	---	---	---	7.6	7.5	7.6	8.3	8.0	8.1	9.7	9.3	9.5
22	---	---	---	7.6	7.5	7.6	9.0	8.3	8.7	9.5	9.3	9.4
23	---	---	---	7.6	7.5	7.6	9.2	8.9	9.0	9.6	9.3	9.5
24	4.1	3.9	4.0	7.7	7.6	7.6	9.4	9.1	9.3	9.3	9.1	9.2
25	4.3	4.1	4.2	7.7	7.6	7.6	9.7	9.4	9.6	9.2	9.1	9.1
26	4.3	4.2	4.3	7.6	7.5	7.6	9.7	9.6	9.7	9.1	9.0	9.1
27	4.4	4.2	4.3	7.5	7.4	7.5	9.6	9.6	9.6	9.0	8.7	8.9
28	4.4	4.3	4.3	---	---	---	9.9	9.6	9.8	8.7	8.6	8.6
29	4.5	4.3	4.4	7.4	7.4	7.4	10.2	9.9	10.1	8.6	8.5	8.6
30	4.9	4.5	4.7	7.5	7.4	7.4	10.7	10.2	10.4	8.5	8.4	8.5
31	5.5	4.9	5.2	---	---	---	10.7	10.4	10.5	8.5	8.4	8.5
MONTH	5.5	3.9	4.4	7.7	5.2	6.8	10.7	6.7	8.7	10.6	8.4	9.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	8.4	8.3	8.3	6.8	6.6	6.7	---	---	---	5.5	4.7	5.1
2	8.3	8.2	8.3	6.8	6.7	6.8	7.1	6.8	7.0	5.2	4.6	5.0
3	8.4	8.3	8.3	7.1	6.8	6.9	7.1	6.8	7.0	5.5	5.1	5.4
4	8.8	8.4	8.6	7.3	6.9	7.1	7.0	6.7	6.9	5.8	5.4	5.6
5	9.2	8.8	9.0	7.4	7.2	7.3	6.9	6.6	6.7	5.2	4.8	5.0
6	9.6	9.2	9.4	7.3	6.7	7.0	6.8	6.6	6.7	4.8	4.4	4.6
7	9.9	9.6	9.8	6.7	6.4	6.5	6.8	6.4	6.6	---	---	---
8	10.1	9.9	10.0	6.7	6.4	6.5	6.9	6.5	6.7	4.2	4.0	4.1
9	10.1	9.9	10.0	7.3	6.7	7.0	7.1	6.7	6.8	---	3.7	3.8
10	9.9	9.7	9.8	7.8	7.3	7.6	7.3	6.9	7.1	3.9	3.6	3.7
11	9.7	9.3	9.5	8.1	7.8	7.9	7.4	7.2	7.3	3.8	3.7	3.8
12	9.3	9.1	9.2	7.9	7.7	7.8	7.6	7.4	7.5	3.8	3.7	3.8
13	9.1	9.0	9.0	7.7	7.5	7.6	7.7	7.5	7.6	4.4	3.8	4.1
14	9.0	8.8	8.9	7.5	7.3	7.4	7.7	7.3	7.4	4.7	4.3	4.5
15	8.8	8.6	8.7	7.3	7.1	7.2	7.5	6.9	7.1	4.8	4.5	4.6
16	8.6	8.3	8.4	7.1	6.8	6.9	7.0	6.5	6.7	4.9	4.5	4.7
17	8.6	8.3	8.4	6.8	6.4	6.6	6.6	6.1	6.2	5.4	4.8	5.1
18	8.6	8.4	8.5	6.4	6.1	6.2	6.2	6.0	6.1	5.6	4.9	5.1
19	8.7	8.5	8.6	6.1	6.0	6.0	6.3	6.1	6.2	5.4	4.7	4.9
20	8.6	8.5	8.6	6.1	6.0	6.0	6.2	6.0	6.1	---	---	---
21	8.6	8.5	8.5	6.3	6.0	6.2	6.0	5.6	5.8	---	---	---
22	8.5	8.3	8.4	6.7	6.3	6.5	5.7	5.4	5.5	---	---	---
23	8.3	8.1	8.2	7.0	6.6	6.8	5.4	5.2	5.3	---	---	---
24	8.1	7.9	7.9	7.3	6.9	7.0	5.4	5.0	5.2	---	---	---
25	7.9	7.6	7.7	7.1	6.9	7.0	5.3	4.8	5.0	---	---	---
26	7.6	7.3	7.4	7.0	6.8	6.9	5.6	5.0	5.3	---	---	---
27	7.4	7.0	7.1	6.8	6.4	6.6	5.9	5.1	5.3	---	---	---
28	7.0	6.8	6.9	6.8	6.3	6.6	5.9	5.2	5.4	4.3	3.9	4.1
29	6.8	6.6	6.7	6.7	6.4	6.5	5.8	4.9	5.2	4.3	3.8	3.9
30	---	---	---	6.8	6.6	6.7	---	---	---	4.4	4.0	4.2
31	---	---	---	6.9	6.7	6.8	---	---	---	4.6	3.9	4.3
MONTH	10.1	6.6	8.6	8.1	6.0	6.9	7.7	4.8	6.3	5.8	3.6	4.5



## WACCAMAW RIVER BASIN

02135210 FEE DEE RIVER AT TOPSAW LANDING NEAR PLANTERSVILLE, SC

LOCATION.--Lat 33°36'27'', long 79°09'02'', Georgetown County, Hydrologic Unit 03040206, on right bank, 5 mi downstream from Yauhannah Lake Bridge, on Highway 701.

DRAINAGE AREA.--Indetermined.

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

GAGE.--Data collection platform and Acoustic Velocity Meter. Datum of gage is 5.40 ft below sea level.

REMARKS.--Records fair except for estimated daily discharges, Oct. 19 to Nov. 7, 1995, July 8 - 10, 1995, and Feb. 11 - 14, 1996, which are poor. Discharges shown are those confined to the main channel and does not include discharges in the flood plain when bankfull capacity is exceeded. Discharge records for the 1990 - 94 water years were computed by utilization of a One-Dimensional unsteady flow simulation model (BRANCH). Five auxiliary stations (02110705, 02110777, 02110802, 02110815, and 02135190) were used in conjunction with this station for computation of discharge for these water years.

DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER 1994 TO SEPTEMBER 1995  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6940	5000	4030	19500	14100	24000	6250	1710	931	5320	3940	6120
2	6740	4850	4780	18100	13700	23600	6340	1920	1700	5830	4190	6560
3	6230	4400	5350	16600	13300	22400	5980	1050	3140	6020	4610	6720
4	6250	4300	5680	15000	13100	21100	5510	1590	3230	6420	4350	7270
5	6000	4150	6370	13700	13000	19800	4080	2950	3300	6710	3730	7930
6	5510	4200	6640	12200	12600	18400	3650	2570	4690	7070	3460	8560
7	4980	3800	6580	11400	12300	17200	4160	2770	4730	7350	2730	9090
8	4420	3530	6250	11100	12000	16200	3920	2190	4990	7500	1930	9540
9	4160	2910	6240	10400	11400	15800	3660	1460	5290	7700	1880	9290
10	4220	2880	6600	10300	11000	15300	3320	1220	5440	7900	2010	8910
11	3210	2770	7070	10400	10500	15000	2270	1050	5880	8160	2560	7960
12	2390	3650	6930	11300	10300	14700	2190	1610	6320	8430	2040	6830
13	3160	3690	7180	11900	10000	14500	2630	1590	6770	8600	2080	5270
14	4800	3500	7310	12300	10100	14300	2760	2630	7010	8930	2460	3990
15	5020	2880	6960	13100	10300	14200	2870	2240	7160	9170	2110	3700
16	5080	2530	6670	13700	10900	14100	3170	1720	7190	9220	1270	3680
17	5440	3300	6940	13700	11300	14000	3170	2080	6780	8980	1280	4110
18	5420	3650	7120	13800	11700	13800	2430	2570	6180	8400	1480	3290
19	5350	3860	7020	14300	12200	13300	1940	2960	5980	7240	1420	2480
20	5300	3660	6520	15300	12800	13000	2250	1990	5170	5480	1440	2650
21	5100	3550	6010	16500	13400	12700	2290	2330	3780	4580	1520	2890
22	4800	3530	5900	17100	14300	12300	2610	2270	3830	4470	1280	3150
23	4600	2290	7690	17700	15500	11800	2020	1760	4110	4390	903	3680
24	4700	2890	9820	18000	17400	11000	2850	1230	4160	4540	874	3650
25	4750	3530	12400	18100	19600	10400	1880	1430	4120	4390	1290	3930
26	4900	3850	14700	17800	21800	9670	1240	1740	4180	3600	2280	3810
27	5100	3590	17200	17400	23300	9220	1590	1870	4290	3570	3290	3590
28	5200	3520	19700	16800	24000	8690	1860	2280	4500	3770	4130	3530
29	5250	2750	21100	16200	---	8000	1630	2460	4670	3820	4250	3770
30	5300	3150	21300	15400	---	7460	1620	1690	4980	3810	4880	4060
31	5200	---	20500	14700	---	6950	---	992	---	3820	5610	---
TOTAL	155520	106160	284560	453800	385900	442890	92140	59922	144501	195190	81277	160010
MEAN	5017	3539	9179	14640	13780	14290	3071	1933	4817	6296	2622	5334
MAX	6940	5000	21300	19500	24000	24000	6340	2960	7190	9220	5610	9540
MIN	2390	2290	4030	10300	10000	6950	1240	992	931	3570	874	2480

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1995, BY WATER YEAR (WY)

	MEAN	6452	5390	6886	10050	9513	11780	9719	5361	4846	3448	4780	3804
MAX	12560	13060	10870	14640	13780	14290	23640	8897	7024	6296	7954	5388	
(WY)	1990	1991	1993	1995	1995	1995	1993	1991	1992	1995	1991	1994	
MIN	2151	2263	2923	6371	4753	7839	3071	1933	2908	1618	1916	1792	
(WY)	1992	1994	1992	1994	1992	1992	1995	1995	1994	1990	1990	1990	

## SUMMARY STATISTICS

## FOR 1995 WATER YEAR

## WATER YEARS 1990 - 1995

ANNUAL TOTAL	2561870		
ANNUAL MEAN	7019	6827	
HIGHEST ANNUAL MEAN		7019	1995
LOWEST ANNUAL MEAN		6636	1990
HIGHEST DAILY MEAN	24000	36600	Jan 22 1993
LOWEST DAILY MEAN	874	335	Oct 10 1990
ANNUAL SEVEN-DAY MINIMUM	1250	1090	Sep 6 1993
10 PERCENT EXCEEDS	15000	13300	
50 PERCENT EXCEEDS	5170	5770	
90 PERCENT EXCEEDS	1930	1810	



## WACCAMAW RIVER BASIN

02135210 PEE DEE RIVER AT TOPSAW LANDING NEAR PLANTERSVILLE, SC--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3960	7770	8390	4880	9540	7370	8550	3640	2700	2610	2500	4480
2	4190	8010	8160	4490	10100	7300	8820	4480	2830	1620	2940	4330
3	4050	8030	7600	4310	10800	7580	8620	5470	3000	1490	3950	3980
4	3800	8260	7350	3640	11500	7130	9000	6090	2840	1700	4620	2700
5	3530	8130	6650	4080	12300	7080	9270	6640	2160	2050	4560	3280
6	3680	8200	6340	4450	13100	6810	9290	7130	2450	1960	3700	5330
7	4300	8350	5700	5100	13700	6110	9660	7270	2800	1590	3120	6140
8	4940	8800	5080	5750	14200	5980	9790	7690	3120	1220	3170	6940
9	5170	8730	5300	4880	14500	5740	10100	7770	3220	1410	3440	7780
10	5810	8850	5400	4330	14700	6310	10100	7430	2900	1130	3460	8190
11	6230	8870	5190	4240	14800	6820	9940	7010	2120	640	3370	9670
12	6630	9420	4940	4900	14600	7030	9990	6500	1790	2030	3560	11800
13	7120	8900	4810	5040	14100	7500	9660	5820	2570	1500	3570	13700
14	7890	8970	4820	4970	13900	8290	9240	5570	3630	1240	3510	14500
15	8890	9590	5020	5110	13600	9060	8570	4820	4220	1480	4270	15100
16	9520	9570	5130	4780	13100	9870	8470	4110	4570	1370	5000	15400
17	10100	10100	4890	4360	12600	10500	7460	3920	4860	839	5370	15700
18	10100	10500	5180	4310	12000	10800	6640	3870	4950	1040	5760	15500
19	9960	11300	5120	5070	11400	10800	6170	3650	5350	1850	6190	14900
20	9630	11900	4840	5200	11000	11300	5730	2930	5210	1720	6320	14400
21	9820	12100	4490	5520	10600	10900	5660	2720	4860	1870	6430	13800
22	9490	12200	5070	5850	10100	10300	5150	2490	5060	1760	6460	13300
23	9150	11900	5550	6090	9750	9880	4440	2370	5420	1740	6320	12700
24	8850	11900	5930	6510	9540	9660	3790	2390	5480	1790	6210	12000
25	8610	11600	5950	7080	9060	9280	3260	2630	5580	2150	6060	11200
26	8330	11100	5760	6950	8800	9190	3860	1960	4880	2490	5720	10200
27	7770	10600	4980	7550	8390	8890	3950	2110	4470	2370	5000	9130
28	8140	10200	4050	8200	8110	8950	3690	1670	4550	2530	3740	8580
29	7980	9740	4040	8190	7810	9070	3630	1670	4070	2740	3220	8380
30	7410	8860	4440	8930	---	8510	3760	1880	3140	2080	3710	7690
31	7240	---	4880	9420	---	8370	---	2360	---	1750	4330	---
TOTAL	222290	292450	171050	174180	337700	262380	216260	136060	114800	53759	139580	300800
MEAN	7171	9748	5518	5619	11640	8464	7209	4389	3827	1734	4503	10030
MAX	10100	12200	8390	9420	14800	11300	10100	7770	5580	2740	6460	15700
MIN	3530	7770	4040	3640	7810	5740	3260	1670	1790	640	2500	2700

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

MEAN	6572	6013	6691	8941	9877	11310	9300	5222	4676	3105	4734	4841
MAX	12560	13060	10870	14640	13780	14290	23640	8897	7024	6296	7954	10030
(WY)	1990	1991	1993	1995	1995	1995	1993	1991	1992	1995	1991	1996
MIN	2151	2263	2923	5619	4753	7839	3071	1933	2908	1618	1916	1792
(WY)	1992	1994	1992	1996	1992	1992	1995	1995	1994	1990	1990	1990

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1990 - 1996

ANNUAL TOTAL	2701420	2421309	6757
ANNUAL MEAN	7401	6616	7019
HIGHEST ANNUAL MEAN			1995
LOWEST ANNUAL MEAN			1996
HIGHEST DAILY MEAN	24000	15700	36600
LOWEST DAILY MEAN	874	640	335
ANNUAL SEVEN-DAY MINIMUM	1250	1300	1090
10 PERCENT EXCEEDS	14300	11300	12900
50 PERCENT EXCEEDS	6180	6020	5810
90 PERCENT EXCEEDS	1930	2370	1870

PEE DEE RIVER BASIN  
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, near left bank, on downstream side of 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 above sea level.

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAY	OCT	NOV	DEC	JAN	FEB	MEAN VALUES MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	129	92	107	181	87	208	156	43	11	44	18
2	37	125	85	112	169	83	198	186	39	11	53	18
3	33	118	80	109	189	78	189	198	26	11	43	21
4	79	113	77	107	191	70	186	161	24	10	33	22
5	186	106	75	105	180	63	181	125	44	9.9	28	38
6	190	101	74	99	168	72	165	85	33	10	37	60
7	193	103	88	102	153	173	153	52	24	9.9	41	71
8	169	131	102	111	140	298	139	58	20	9.6	62	65
9	141	136	110	111	132	408	130	59	27	9.5	97	52
10	115	132	119	109	124	433	122	50	41	9.3	80	38
11	74	133	116	106	116	286	114	42	52	9.0	53	31
12	56	146	113	103	109	199	106	35	37	9.5	86	29
13	51	147	110	100	103	160	97	32	27	9.9	138	28
14	55	152	104	96	97	139	107	30	24	11	153	22
15	106	153	95	95	92	128	113	28	22	16	125	20
16	119	144	89	100	91	137	111	29	20	25	69	21
17	114	131	85	96	89	142	106	30	18	23	39	38
18	105	116	82	100	86	138	96	28	16	17	33	62
19	90	103	95	109	83	134	85	25	16	14	29	76
20	81	94	116	128	84	152	79	22	17	12	23	63
21	122	88	117	138	92	181	84	19	28	11	20	34
22	134	84	115	147	94	186	84	17	24	10	19	105
23	126	80	115	143	94	171	82	16	20	13	17	142
24	120	78	111	134	92	149	85	15	17	90	16	97
25	108	93	99	128	86	131	76	14	16	128	15	49
26	80	103	88	116	78	119	66	15	16	127	15	37
27	63	104	82	119	71	110	84	17	14	88	19	32
28	101	105	80	135	71	133	87	19	12	53	25	29
29	115	105	77	161	86	174	81	20	11	36	29	27
30	114	100	76	221	---	195	125	25	11	27	25	32
31	116	---	83	210	---	211	---	35	---	24	21	---
TOTAL	3234	3453	2950	3757	3341	5140	3539	1643	739	854.6	1487	1377
MEAN	104	115	95.2	121	115	166	118	53.0	24.6	27.6	48.0	45.9
MAX	193	153	119	221	191	433	208	198	52	128	153	142
MIN	33	78	74	95	71	63	66	14	11	9.0	15	18
CFSM	1.09	1.20	.99	1.26	1.20	1.73	1.23	.55	.26	.29	.50	.48
IN.	1.25	1.34	1.14	1.46	1.29	1.99	1.37	.64	.29	.33	.58	.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1996, BY WATER YEAR (WY)

MEAN	84.3	96.4	126	157	160	172	128	71.3	65.5	57.4	75.0	60.4
MAX	563	176	351	310	294	309	255	159	209	182	262	270
(WY)	1991	1986	1995	1993	1995	1971	1983	1975	1973	1975	1991	1979
MIN	16.9	28.0	64.4	75.5	73.1	72.5	36.6	20.1	14.6	5.81	13.3	12.6
(WY)	1982	1982	1989	1981	1986	1985	1986	1986	1986	1986	1983	1968

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1968 - 1996	
ANNUAL TOTAL	46374		31514.6		105	
ANNUAL MEAN	127		86.1		170	
HIGHEST ANNUAL MEAN					57.4	
LOWEST ANNUAL MEAN					1991	
HIGHEST DAILY MEAN	580	Feb 19	433	Mar 10	4150	Oct 12 1990
LOWEST DAILY MEAN	16	May 27	9.0	Jul 11	3.5	Jul 24 1986
ANNUAL SEVEN-DAY MINIMUM	19	Aug 12	9.5	Jul 7	3.9	Jul 21 1986
INSTANTANEOUS PEAK FLOW			484	* Mar 9	4500	Oct 12 1990
INSTANTANEOUS PEAK STAGE			6.87	* Mar 9	11.80	Oct 12 1990
ANNUAL RUNOFF (CFSM)	1.32		.90		1.09	
ANNUAL RUNOFF (INCHES)	17.97		12.21		14.79	
10 PERCENT EXCEEDS	250		154		205	
50 PERCENT EXCEEDS	104		86		82	
90 PERCENT EXCEEDS	29		17		19	

\* Also occurred on Mar. 10.

PEE DEE RIVER BASIN  
02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, SC--Continued  
WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (00095)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
DEC 12...	1047	114	775	2.5	220	130	26	3	6.1	12.5	90
JUL 24...	1000	90	760	23.5	K5400	K4800	48	1	1.7	5.0	59

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TUR-BID-ITY (NTU) (00076)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
DEC 12...	4	6.7	2.5	0.65	0.61	0.50	2.4	52	0.5	4.7
JUL 24...	--	5.3	3.4	<0.02	<0.01	<0.10	<0.20	--	--	3.7

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
DEC 12...	<0.10	0.80	8.2	31	20	0.04	9.54	0.090	<0.010	0.090
JUL 24...	<0.10	9.2	0.02	62	--	--	--	0.360	0.010	0.370

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
DEC 12...	0.090	<0.015	--	0.30	0.30	0.39	<0.010	<0.010	<0.010	130
JUL 24...	0.370	0.070	0.09	0.53	0.60	0.97	<0.010	<0.010	0.040	5

## PEE DEE RIVER BASIN

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, SC--Continued

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

DATE	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)
DEC 12...	8	5	240	4	1.2	86	<4	32	<10	<1
JUL 24...	<2	<3	<3	7	1.7	71	<4	<1	<10	<1
DATE	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)
DEC 12...	<1	<1.0	5	0.02	<6	0.09	--	2	--	--
JUL 24...	<1	<1.0	<1	--	<6	--	0.360	--	1.6	0.03

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

02136000 BLACK RIVER AT KINGSTREE, SC

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 Kingtree, 1.0 mi downstream from Kingtree Swamp Canal, and at mile 86.7.

DRAINAGE AREA.--1,252 mi<sup>2</sup>.

PERIOD OF RECORD.--October 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.--Data collection platform. Datum of gage is 25.66 ft above sea level. Prior to Nov. 7, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, May 2 - 10, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAY	OCT	NOV	DEC	JAN	FEB	MEAN VALUES MAR	APR	MAY	JUN	JUL	AUG	SEP
1	525	1500	1000	1090	1690	773	1770	732	412	224	47	231
2	511	1610	971	1060	1870	759	1880	807	446	206	48	268
3	498	1780	944	1050	1930	739	1950	841	447	202	51	322
4	495	1880	915	1060	1900	720	1920	876	423	196	58	394
5	510	1990	880	1060	1840	702	1880	915	378	173	69	486
6	539	2100	846	1060	1770	691	1890	895	335	166	76	580
7	591	2150	866	1080	1700	717	1900	800	307	146	92	621
8	643	2160	895	1110	1650	786	1860	754	283	130	115	660
9	673	2150	956	1110	1610	925	1790	710	271	111	149	667
10	677	2150	1030	1120	1570	1130	1690	660	256	97	162	674
11	662	2090	1080	1120	1520	1400	1600	618	253	86	154	934
12	637	2010	1140	1120	1450	1640	1520	575	267	77	164	1250
13	612	1940	1180	1130	1380	1770	1420	532	287	71	180	1240
14	600	1920	1220	1150	1310	1800	1320	490	302	66	177	1090
15	652	1890	1250	1160	1250	1740	1240	438	318	61	169	937
16	712	1860	1260	1160	1190	1710	1160	384	331	59	167	791
17	812	1800	1240	1140	1140	1720	1080	330	343	64	147	701
18	916	1730	1220	1110	1080	1890	1010	282	388	70	130	618
19	961	1660	1320	1090	1030	2040	930	240	483	67	144	531
20	1020	1590	1450	1060	1020	2140	850	203	587	57	201	456
21	1090	1530	1580	1030	1010	2190	792	174	674	51	205	401
22	1140	1460	1610	1010	1010	2170	747	150	739	58	158	362
23	1160	1380	1610	988	986	2090	708	131	767	59	143	323
24	1100	1310	1600	977	956	1990	679	115	751	48	140	284
25	1020	1270	1580	968	921	1880	646	102	676	45	134	245
26	978	1230	1520	964	885	1740	612	92	567	48	127	205
27	972	1190	1420	1020	847	1600	588	100	463	48	126	171
28	1080	1140	1320	1110	815	1560	561	151	384	51	119	154
29	1210	1090	1230	1240	793	1580	540	241	319	48	109	152
30	1380	1040	1160	1370	---	1670	659	277	263	49	137	144
31	1440	---	1120	1490	---	1720	---	344	---	48	172	---
TOTAL	25816	50600	37413	34207	38123	45982	37192	13959	12720	2882	4070	15892
MEAN	833	1687	1207	1103	1315	1483	1240	450	424	93.0	131	530
MAX	1440	2160	1610	1490	1930	2190	1950	915	767	224	205	1250
MIN	495	1040	846	964	793	691	540	92	253	45	47	144
CFSM	.67	1.35	.96	.88	1.05	1.18	.99	.36	.34	.07	.10	.42
IN.	.77	1.50	1.11	1.02	1.13	1.37	1.11	.41	.38	.09	.12	.47

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

	MEAN	520	474	937	1462	1914	2119	1539	563	541	498	560	616
MAX	7708	3250	5471	6499	8404	6938	5905	2144	7852	3318	3148	7258	
(WY)	1965	1948	1995	1993	1973	1983	1936	1984	1973	1941	1991	1945	
MIN	8.65	5.00	39.3	124	319	319	220	54.5	11.3	10.5	5.19	4.83	
(WY)	1932	1932	1955	1934	1934	1938	1985	1935	1935	1986	1954	1954	

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1930 - 1996	
ANNUAL TOTAL	658846		318856		974	
ANNUAL MEAN	1805		871		2438	
HIGHEST ANNUAL MEAN					183	
LOWEST ANNUAL MEAN					52800	
HIGHEST DAILY MEAN	11600	Feb 22	2190	Mar 21	2.0	Jun 14 1973
LOWEST DAILY MEAN	49	May 29	45	Jul 25	2.6	Sep 12 1954
ANNUAL SEVEN-DAY MINIMUM	57	May 24	48	Jul 24	58000	Sep 8 1954
INSTANTANEOUS PEAK FLOW			2210	Mar 21	19.77	Jun 14 1973
INSTANTANEOUS PEAK STAGE			10.43	Mar 21	2.0	Jun 14 1973
INSTANTANEOUS LOW FLOW			43	Jul 25	.78	* Sep 12 1954
ANNUAL RUNOFF (CFSM)	1.44		.70		10.57	
ANNUAL RUNOFF (INCHES)	19.58		9.47		2370	
10 PERCENT EXCEEDS	4390		1770		470	
50 PERCENT EXCEEDS	1010		846		52	
90 PERCENT EXCEEDS	150		118			

\* Also occurred on Sept. 13 - 15, Oct. 7 - 8, 1954.



PEE DEE RIVER BASIN  
02136361 TURKEY CREEK NEAR MARYVILLE, SC

LOCATION.--Lat 33°19'42'', long 79°20'18'', Georgetown County, Hydrologic Unit 03040207, approximately 2,500 ft upstream of Pennyroyal Road on a pedestrian bridge, 4 mi southwest of Georgetown, and at mile 2.75.

DRAINAGE AREA.--4.67 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--October 1993 to current year.

GAGE.--Data collection platform. Elevation of gage is 5.0 ft above sea level (from topographic map).

REMARKS.--Records good except for those below 2.0 ft<sup>3</sup>/s, which are fair, and estimated daily discharges, Oct. 1 to Nov. 1, May 26 - 29, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.50	12	7.6	2.8	5.7	.97	8.6	.94	.11	.05	3.3	.10
2	.13	10	7.0	2.4	5.4	1.7	7.8	.76	.11	.07	3.3	8.8
3	.21	7.8	6.6	2.3	8.2	1.5	6.2	.49	.09	.07	3.4	32
4	1.2	5.7	9.9	1.0	7.7	1.1	5.4	.37	.09	.06	3.5	42
5	3.3	4.3	5.4	2.3	6.1	.97	4.5	.28	.09	.06	3.1	35
6	5.1	3.8	4.0	1.2	4.0	1.3	3.6	.19	.09	.08	4.1	67
7	12	7.8	5.7	1.3	2.6	1.6	3.4	.42	.09	.06	4.1	30
8	9.6	8.2	4.9	1.8	2.5	3.1	2.9	.35	.09	.06	3.5	21
9	5.9	7.4	5.5	1.5	2.4	2.4	2.1	.30	.11	.06	3.0	18
10	4.9	6.5	5.5	2.6	1.8	1.6	1.7	.18	.13	.09	2.5	18
11	3.6	6.0	5.1	3.0	1.7	1.3	2.4	.34	.11	6.0	2.1	52
12	2.6	6.7	5.1	4.9	1.4	1.1	1.9	.34	2.0	1.9	2.3	43
13	6.0	5.4	4.2	4.1	1.3	.85	1.9	.20	5.3	.53	2.1	26
14	8.0	4.3	4.0	3.4	1.5	.74	1.7	.16	.79	.24	2.5	20
15	16	4.5	4.1	3.2	1.5	.76	3.5	.13	.57	.41	1.8	18
16	11	3.6	3.9	3.0	1.4	1.2	.47	.15	.35	1.6	1.2	17
17	7.8	2.8	3.6	2.5	1.3	1.6	.44	.12	.11	2.0	.67	16
18	5.8	2.1	3.5	2.6	1.2	5.7	.49	.11	.10	.44	.39	14
19	5.1	2.1	4.1	2.5	1.1	8.3	.31	.10	2.8	.13	.28	13
20	18	1.8	7.4	2.0	1.2	8.0	.26	.09	.89	.10	.16	13
21	14	1.5	4.7	1.5	1.4	8.1	.18	.09	2.0	.07	.16	12
22	10	1.1	4.1	1.4	1.2	7.1	.14	.10	1.4	.08	.13	11
23	6.8	1.1	3.2	.79	1.1	6.1	.16	.09	.58	6.0	.11	9.8
24	4.9	1.1	3.4	.69	.91	5.0	.14	.08	.26	32	.12	7.3
25	3.3	1.6	3.0	.68	.74	4.2	.14	.09	.12	16	.11	5.9
26	2.4	1.6	3.6	.70	.70	3.6	.22	.08	.09	13	.52	2.6
27	2.1	1.5	3.1	5.2	.68	3.3	.38	.09	.08	7.6	.39	.96
28	16	1.4	2.3	6.1	.83	9.7	.28	.10	.06	5.5	.24	1.1
29	7.8	3.9	2.5	4.5	.84	13	.32	.11	.06	6.0	.24	1.4
30	5.7	8.2	2.0	5.7	---	11	1.2	1.1	.06	4.7	.14	1.6
31	7.9	---	1.3	6.3	---	9.7	---	.28	---	3.7	.11	---
TOTAL	207.64	135.8	140.3	83.96	68.40	126.59	62.73	8.23	18.73	108.66	49.57	557.56
MEAN	6.70	4.53	4.53	2.71	2.36	4.08	2.09	.27	.62	3.51	1.60	18.6
MAX	18	12	9.9	6.3	8.2	13	8.6	1.1	5.3	32	4.1	67
MIN	.13	1.1	1.3	.68	.68	.74	.14	.08	.06	.05	.11	.10
CFSM	1.43	.97	.97	.58	.51	.87	.45	.06	.13	.75	.34	3.98
IN.	1.65	1.08	1.12	.67	.54	1.01	.50	.07	.15	.87	.39	4.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

	MEAN	5.35	3.73	7.20	5.21	5.55	5.48	1.28	.24	3.00	3.25	63.2	35.4
MAX	7.83	4.53	14.1	7.92	8.35	8.25	8.25	2.09	.33	7.25	4.21	187	86.6
(WY)	1995	1996	1995	1995	1995	1994	1996	1995	1995	1995	1995	1995	1995
MIN	1.51	2.67	2.99	2.71	2.36	4.08	.84	.14	.62	2.03	.57	.94	.94
(WY)	1994	1995	1994	1996	1996	1996	1995	1994	1996	1994	1994	1994	1994

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1994 - 1996

ANNUAL TOTAL	9879.75	1568.17	
ANNUAL MEAN	27.1	4.28	11.6
HIGHEST ANNUAL MEAN			27.8
LOWEST ANNUAL MEAN			2.78
HIGHEST DAILY MEAN	1350	67	1350
LOWEST DAILY MEAN	.05	.05	.04
ANNUAL SEVEN-DAY MINIMUM	.06	.06	.06
INSTANTANEOUS PEAK FLOW		88	* 1500
INSTANTANEOUS PEAK STAGE		3.02	*** 4.56
ANNUAL RUNOFF (CFSM)	5.80	.92	2.49
ANNUAL RUNOFF (INCHES)	78.70	12.49	33.81
10 PERCENT EXCEEDS	12	9.7	11
50 PERCENT EXCEEDS	4.0	2.0	2.2
90 PERCENT EXCEEDS	.24	.11	.11

\* Based on slope-area computation of peak discharge.

\*\* Also occurred on Apr. 26 - 28.

\*\*\* From floodmark.

## SANTEE 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.--October 1895 to September 1902, 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.--Data collection platform. Datum of gage is 485.82 ft above sea level. Sept. 23, 1895, to July 31, 1903, nonrecording gage at Southern Railway bridge, 2.0 mi downstream, at different datum.

REMARKS.--Records good except for estimated daily discharges, Oct. 1 to Jan. 29, which are poor. Flow regulated by Lake Wylie (usable capacity, 2,520,500,000 ft<sup>3</sup>).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1895 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1300	4800	6000	3500	10800	7940	5840	5680	963	2410	1880	1590
2	3500	7400	5200	5000	9510	6150	5050	5410	897	1560	1220	1690
3	4400	10000	4600	4000	17100	3910	5640	3010	938	816	1830	4910
4	8000	4700	4000	3800	13900	6720	6050	3560	1040	960	2230	8790
5	11000	6000	2000	2800	13800	8650	4990	1440	1990	717	1050	7910
6	7000	5000	1190	3800	13700	7740	3390	4700	2500	923	2070	1010
7	10000	5600	4500	6500	13000	2300	3260	3040	1720	1880	2310	1300
8	11000	9900	5800	4100	10300	8080	3470	1310	1210	2940	1620	768
9	10000	6000	4000	5200	10400	7670	2020	1750	2120	2600	2390	2730
10	9500	8000	4300	4400	9960	7950	5390	3810	5250	1550	1560	3690
11	9200	9500	3900	5800	8500	8790	3380	1200	2580	2530	1690	2060
12	9000	11000	3400	5200	9330	8640	3220	1030	1620	1510	4350	1780
13	8500	6000	2500	4700	11300	7960	1950	1270	4840	1060	7100	1990
14	9000	10000	1800	4500	12500	7270	2120	2310	4920	1830	5720	1360
15	9100	8000	2700	5400	11500	7480	1970	1590	2270	2280	6990	1800
16	7700	6000	3700	5900	11500	6540	2810	1930	2390	4390	6900	1460
17	7700	9000	4500	6000	6540	4900	5020	2620	3940	2090	3410	3760
18	7100	5000	3400	7000	1470	5640	4380	2140	2680	3740	3090	1530
19	6900	6400	4400	4700	6610	4850	4210	1340	2040	1970	6070	1840
20	4500	4500	4000	9000	9380	9560	2270	1430	4290	1260	5930	1460
21	3200	2500	3800	10000	8900	10800	2930	2120	5210	864	6070	2520
22	2100	2000	4300	10000	8380	9320	3180	1640	3390	887	8380	1350
23	3500	3000	3600	9600	7780	2860	2460	2130	1770	2690	3810	1570
24	5000	3200	2600	8300	4380	3250	1770	1700	5250	2160	2600	851
25	6400	5400	1500	10500	2300	3600	2360	747	5230	701	2480	1730
26	6600	3500	2000	10100	5680	3990	2770	897	3280	1010	2940	1890
27	5800	3600	4500	10700	6640	4040	1670	1590	1480	1750	6270	1820
28	9200	4000	3000	10500	8210	8630	3630	1890	1630	1040	7790	1480
29	6400	6000	3800	11000	9140	9010	4360	2400	850	1730	6910	1450
30	8000	7400	3700	11500	---	5110	6120	2220	1180	2090	9100	2120
31	9500	---	3300	10400	---	4420	---	2900	---	1580	3480	---
TOTAL	220100	183400	111990	213900	272510	203770	107680	70804	79468	55518	129240	70209
MEAN	7100	6113	3613	6900	9397	6573	3589	2284	2649	1791	4169	2340
MAX	11000	11000	6000	11500	17100	10800	6120	5680	5250	4390	9100	8790
MIN	1300	2000	1190	2800	1470	2300	1670	747	850	701	1050	768
CFSM	2.33	2.00	1.18	2.26	3.08	2.16	1.18	.75	.87	.59	1.37	.77
IN.	2.68	2.24	1.37	2.61	3.32	2.49	1.31	.86	.97	.68	1.58	.86

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 1996, BY WATER YEAR (WY)

	MEAN	3578	3666	4258	5382	6016	6325	5625	4343	3994	3342	3561	3148
MAX	10680	12400	14270	10630	14950	19510	15970	15360	10120	10340	22230	9768	
(WY)	1899	1978	1902	1946	1899	1899	1901	1901	1901	1896	1901	1945	
MIN	721	858	1042	1415	1371	1526	1211	910	1088	933	1010	998	
(WY)	1955	1955	1956	1956	1977	1988	1985	1986	1988	1986	1988	1954	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1896 - 1996

ANNUAL TOTAL	1832714	1718589	
ANNUAL MEAN	5021	4696	4430
HIGHEST ANNUAL MEAN			9635
LOWEST ANNUAL MEAN			2082
HIGHEST DAILY MEAN	18000	Feb 17	127000
LOWEST DAILY MEAN	800	Sep 4	227
ANNUAL SEVEN-DAY MINIMUM	1300	May 25	541
INSTANTANEOUS PEAK FLOW			* 151000
INSTANTANEOUS PEAK STAGE			* 24.15
ANNUAL RUNOFF (CFSM)	1.65	1.54	1.45
ANNUAL RUNOFF (INCHES)	22.35	20.96	19.74
10 PERCENT EXCEEDS	9750	9500	8690
50 PERCENT EXCEEDS	4210	3900	3620
90 PERCENT EXCEEDS	1440	1440	920

\* Site and datum then in use.

## SANTEE RIVER BASIN

02147020 CATAWBA RIVER BELOW CATAWBA, SC

LOCATION.--Lat 34°50'10'', long 80°52'47'', York County, Hydrologic Unit 03050103, on right bank, 1.5 mi downstream from Twelvemile Creek, 2.2 mi southeast of Catawba, and at mile 121.3.

DRAINAGE AREA.--3,540 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--January 1992 to current year.

GAGE.--Data collection platform. Datum of gage is 442.0 ft above sea level (by Global Positioning Survey). June 1906 to Dec. 21, 1948, nonrecording gage at site 0.6 mi downstream at different datum. October 1967 to January 1992, recording gage at site 1.5 mi upstream at different datum and published as station 02147000.

REMARKS.--Records good except for estimated daily discharges, Dec. 27 to Jan. 2, 23, 24, May 26, June 4, 21 - 24, July 5, 8, 19, 24, 25, 29, 30, Aug. 6 - 9, 11, 25, 26, Sept. 13, which are poor. Flow regulated by Lake Wylie (usable capacity, 2,520,500,000 ft<sup>3</sup>).

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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1410	5220	7680	4000	10900	8060	7200	8210	1360	2310	1410	1680
2	3460	7550	5900	5800	11900	7230	7440	6920	918	1390	2020	1140
3	4350	12800	4540	4160	23700	4700	4710	4240	820	1000	2780	3190
4	11300	4120	5800	4240	18200	5900	7790	3650	1090	1020	3030	9580
5	11800	5980	2230	3060	14200	8780	5100	2010	1240	588	1930	9750
6	7310	5150	1290	3870	13900	10400	3630	4350	3110	765	1400	2830
7	11800	5290	4620	6980	13400	9190	3620	3730	1510	1130	2010	1710
8	12200	12900	6870	4770	12000	10200	4020	1680	1570	2930	2260	1020
9	11500	8320	3010	5610	9330	8830	2050	1610	2200	2130	2270	1400
10	11000	9470	4440	4440	10600	8380	5750	3080	4770	2620	1680	4090
11	10800	10100	3550	6490	9150	9000	2980	2230	3640	2010	1260	2210
12	9680	11400	3690	6940	9520	9030	3980	1360	1800	2240	5160	2150
13	8940	6570	2800	4580	11100	8520	2180	1450	3870	1020	7850	1780
14	9060	11900	2040	4040	12200	7440	2660	1110	5150	1680	5700	1410
15	9410	8610	2690	5670	11700	8430	2290	2840	3460	1920	6690	1430
16	7980	8040	3490	5710	11500	6840	2910	1700	2170	4210	7020	1190
17	8250	9370	4630	6380	7630	6160	4530	2130	4270	3240	3750	3820
18	8200	5780	3550	7500	3290	6050	5220	2790	1940	2720	3040	2880
19	5660	6440	4000	5380	5120	6680	4600	1610	3390	3750	5320	1340
20	4870	5550	4220	9670	9590	9570	2330	1260	3820	1070	5430	2250
21	3500	2620	4280	10400	9430	10900	3130	1480	5800	929	5520	1820
22	2470	2230	4150	10200	8900	10600	3310	2090	5000	956	8460	1650
23	4140	2930	5040	10200	7950	3640	3430	1890	2000	1790	4720	1450
24	5770	3020	3470	8430	6640	3510	1890	2350	6000	2570	2580	907
25	6770	5290	1780	10800	2290	3530	1820	1010	4920	1100	3120	1170
26	6430	3990	1880	9870	4210	4670	3120	823	3670	1490	2480	2130
27	5850	3820	5000	12000	7140	4030	2810	1110	1250	1680	5640	1590
28	9610	4030	3800	10700	8250	8040	3060	1960	2020	1010	9260	1850
29	7470	6300	3000	10600	9570	10100	4600	2220	799	1500	7150	1520
30	8090	7710	4400	12200	---	6570	13000	3920	1080	2300	8530	1690
31	10300	---	2800	10700	---	4170	---	2580	---	2050	5340	---
TOTAL	239380	202500	120640	225390	293310	229150	125160	79393	84637	57118	134810	72627
MEAN	7722	6750	3892	7271	10110	7392	4172	2561	2821	1843	4349	2421
MAX	12200	12900	7680	12200	23700	10900	13000	8210	6000	4210	9260	9750
MIN	1410	2230	1290	3060	2290	3510	1820	823	799	588	1260	907
CFSM	2.18	1.91	1.10	2.05	2.86	2.09	1.18	.72	.80	.52	1.23	.68
IN.	2.52	2.13	1.27	2.37	3.08	2.41	1.32	.83	.89	.60	1.42	.76

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996
MEAN	4510	4881	5439	8646	8405
MAX	7722	7780	8630	11270	10570
(WY)	1996	1993	1993	1993	1993
MIN	991	1606	3892	6289	5108
(WY)	1994	1994	1996	1994	1992

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1992 - 1996

ANNUAL TOTAL	2057864	1864115	5388
ANNUAL MEAN	5638	5093	6874
HIGHEST ANNUAL MEAN			1993
LOWEST ANNUAL MEAN			1994
HIGHEST DAILY MEAN	29600	Aug 28	35000
LOWEST DAILY MEAN	797	Sep 4	560
ANNUAL SEVEN-DAY MINIMUM	1590	May 26	807
INSTANTANEOUS PEAK FLOW			49300
INSTANTANEOUS PEAK STAGE			20.86
ANNUAL RUNOFF (CFSM)	1.59		1.52
ANNUAL RUNOFF (INCHES)	21.63		20.68
10 PERCENT EXCEEDS	10400	10200	10200
50 PERCENT EXCEEDS	4630	4140	4400
90 PERCENT EXCEEDS	1740	1410	1220

## SANTÉE RIVER BASIN

02147500 ROCKY CREEK AT GREAT FALLS, SC

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

DRAINAGE AREA.--194 mi<sup>2</sup>.

PERIOD OF RECORD.--March 1951 to September 1981. October 1986 to current year.

GAGE.--Data collection platform. Elevation of gage is 299 ft above sea level (by barometer).

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	72	76	95	251	74	436	560	54	14	12	16
2	23	75	72	102	911	74	610	227	44	13	17	15
3	22	154	69	356	4190	72	304	155	40	13	14	16
4	731	110	66	222	897	67	208	123	38	12	51	16
5	1920	79	65	139	462	67	168	104	36	12	22	17
6	348	67	63	113	335	398	147	91	35	12	83	22
7	177	78	73	381	255	2250	150	82	31	12	27	18
8	118	408	77	407	221	1330	131	78	33	12	49	15
9	90	183	98	224	198	397	123	80	81	12	33	14
10	74	114	148	204	173	260	112	74	69	12	23	15
11	64	319	101	172	155	201	104	67	48	11	23	41
12	57	1260	86	164	138	174	99	87	38	11	33	20
13	53	360	79	167	123	153	97	69	35	13	45	15
14	55	220	75	142	118	138	115	61	37	14	30	12
15	129	169	73	124	113	129	101	56	51	27	21	11
16	81	130	71	112	108	157	98	55	52	51	17	21
17	65	108	67	104	101	277	90	53	43	24	15	177
18	60	95	65	100	98	176	84	49	32	15	14	58
19	56	91	94	573	94	358	82	46	28	13	14	27
20	54	86	150	416	104	640	101	43	27	12	13	20
21	58	81	110	220	128	258	108	40	40	11	12	18
22	57	75	89	166	111	185	99	37	33	9.9	12	32
23	49	71	80	142	102	155	89	35	26	12	51	20
24	46	72	74	146	96	138	87	33	23	46	17	16
25	45	211	69	159	87	128	78	40	20	28	168	14
26	44	154	67	130	81	123	95	58	19	30	53	13
27	43	107	65	1360	79	117	148	42	16	23	32	14
28	332	90	64	1610	81	310	98	50	15	15	32	14
29	170	83	58	423	82	330	93	48	15	14	35	16
30	92	81	61	285	---	205	1090	185	15	12	22	72
31	74	---	76	268	---	167	---	86	---	12	18	---
TOTAL	5210	5203	2481	9226	9892	9508	5345	2814	1074	527.9	1008	795
MEAN	168	173	80.0	298	341	307	178	90.8	35.8	17.0	32.5	26.5
MAX	1920	1260	150	1610	4190	2250	1090	560	81	51	168	177
MIN	22	67	58	95	79	67	78	33	15	9.9	12	11
CFSM	.87	.89	.41	1.53	1.76	1.58	.92	.47	.18	.09	.17	.14
IN.	1.00	1.00	.48	1.77	1.90	1.82	1.02	.54	.21	.10	.19	.15

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1996, BY WATER YEAR (WY)

MEAN	151	110	160	333	363	412	254	114	94.7	90.0	117	96.9
MAX	1099	647	544	839	912	1160	791	347	614	679	1387	952
(WY)	1965	1958	1973	1978	1960	1980	1973	1971	1973	1959	1967	1987
MIN	2.11	10.8	30.7	49.1	91.0	49.6	50.7	34.0	17.6	13.0	4.46	.86
(WY)	1955	1955	1956	1956	1968	1955	1995	1988	1955	1953	1957	1954

## SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

## WATER YEARS 1951 - 1996

ANNUAL TOTAL	59234.7		53083.9						
ANNUAL MEAN	162		145			192			
HIGHEST ANNUAL MEAN						315			1973
LOWEST ANNUAL MEAN						84.8			1957
HIGHEST DAILY MEAN	2800	Jan 15	4190	Feb 3		21100			Aug 24 1967
LOWEST DAILY MEAN	8.5	Aug 17	9.9	Jul 22		.04			Oct 6 1954
ANNUAL SEVEN-DAY MINIMUM	10	Aug 12	12	Jul 6		.04			Oct 6 1954
INSTANTANEOUS PEAK FLOW			5300	Feb 3		31300			Aug 23 1967
INSTANTANEOUS PEAK STAGE			7.47	Feb 3		18.82			Aug 23 1967
INSTANTANEOUS LOW FLOW			9.2	Jul 23		* .04			Oct 6 1954
ANNUAL RUNOFF (CFSM)	.84		.75			.99			
ANNUAL RUNOFF (INCHES)	11.36		10.18			13.43			
10 PERCENT EXCEEDS	295		271			356			
50 PERCENT EXCEEDS	69		74			67			
90 PERCENT EXCEEDS	20		15			18			

\* Also occurred on Oct. 7 - 13, 1954.



02148000 WATEREE RIVER NEAR CAMDEN, SC

LOCATION.--Lat 34°14'40'', long 80°39'15'', Kershaw County, Hydrologic Unit 03050104, in pier of downstream 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.

## WATER-DISCHARGE RECORDS

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.--Data collection platform. Datum of gage is 119.36 ft above sea level. 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 good except for estimated daily discharges, Mar. 19, 20, 26, Apr. 22, which are poor. Flow regulated by powerplant at Wateree Reservoir (usable capacity, 2,794,000,000 ft<sup>3</sup>).

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 in footnote below.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1260	9750	9960	3060	12700	9290	7490	12200	2370	1540	1510	2050
2	3380	9420	9430	3900	12600	8960	9380	12200	3020	1490	1500	1550
3	6250	8780	4590	4310	13700	7520	9750	9870	1870	1360	3370	3810
4	11900	7160	5670	6940	23200	6840	10700	4640	3030	1310	3510	8780
5	15500	6990	5690	5240	23500	9410	9210	6660	1710	1300	1780	10800
6	15300	5670	2760	7140	19900	9480	6020	3720	1260	1300	1800	3690
7	12800	6730	5180	6560	17900	13500	6180	3490	1660	1550	2340	1160
8	11400	10800	7860	8060	15900	14700	4420	2620	1780	1280	2760	836
9	13000	11800	5490	8360	14600	14300	4140	2550	1900	1520	2440	2910
10	12700	12700	4630	6100	13600	13600	4790	2500	4280	1350	2290	2300
11	11900	10100	4580	7790	13000	13200	4920	2460	2940	1940	2390	3970
12	12200	12200	3790	7340	12800	13000	3350	2460	2400	3780	4800	1940
13	10800	14000	5800	5440	12700	12800	5070	2470	4260	784	6780	1690
14	11000	13100	4060	6450	12600	11500	3770	2460	3950	1580	5220	1310
15	9910	12900	3530	7900	12600	9310	3240	2460	2520	1300	4490	2060
16	10700	13200	5350	7090	12600	9350	3520	2460	4270	1630	7270	1350
17	8760	14200	6180	8210	12600	9690	3100	2620	4780	2690	5220	4500
18	8990	9950	4350	6300	12500	9510	6260	2480	3040	4390	4390	3390
19	6530	7460	3920	8920	12500	10300	4420	2440	2470	2170	4340	2240
20	4550	7970	5770	10300	10700	12500	4210	2440	3230	1030	4830	1860
21	4680	4450	6800	12000	8220	12600	3360	1550	4790	779	4850	4730
22	3860	3620	6020	11500	9220	11500	4350	1470	4330	1970	6040	2020
23	4560	3870	5540	9270	9570	9160	3670	1080	4450	1490	5110	2070
24	5530	4460	3850	9190	7680	7220	3320	1550	4650	5770	4590	1130
25	7030	7160	4310	12000	6370	5900	2720	1330	4180	3600	4070	1830
26	6970	6690	3560	12200	3900	4930	2670	1210	4930	2280	4070	1120
27	7040	6380	2350	11700	7820	5920	2830	1050	2580	1940	5730	1040
28	8580	5110	2860	12200	7410	7830	4550	1810	1590	1370	8700	1430
29	9580	6660	3790	12300	8600	9330	4620	1520	899	1870	8040	1010
30	10000	6960	4070	12400	---	11300	9320	3590	2140	2910	7120	2340
31	12700	---	3330	12700	---	11200	---	2470	---	1590	6370	---
TOTAL	279360	260240	155070	262870	360990	315650	155350	103830	91279	60863	137720	80916
MEAN	9012	8675	5002	8480	12450	10180	5178	3349	3043	1963	4443	2697
MAX	15500	14200	9960	12700	23500	14700	10700	12200	4930	5770	8700	10800
MIN	1260	3620	2350	3060	3900	4930	2670	1050	899	779	1500	836
CFSM	1.78	1.71	.99	1.67	2.46	2.01	1.02	.66	.60	.39	.88	.53
IN.	2.05	1.91	1.14	1.93	2.65	2.32	1.14	.76	.67	.45	1.01	.59

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

MEAN	4967	5043	5880	8646	9140	9664	8305	5570	4816	4243	4592	4193
MAX	19080	15370	14000	18530	23270	21700	28750	13200	12380	14980	12720	20430
(WY)	1965	1978	1984	1937	1960	1952	1936	1958	1973	1941	1967	1945
MIN	1095	992	1647	1803	2484	2941	1701	1022	997	656	1460	1033
(WY)	1955	1932	1956	1942	1977	1988	1986	1986	1988	1956	1954	1954

SUMMARY STATISTICS                      FOR 1995 CALENDAR YEAR                      FOR 1996 WATER YEAR                      WATER YEARS 1930 - 1996

ANNUAL TOTAL	2562020		2264138						
ANNUAL MEAN	7019		6186			6240			
HIGHEST ANNUAL MEAN						9964		1960	
LOWEST ANNUAL MEAN						3241		1988	
HIGHEST DAILY MEAN	27100	Feb 19	23500	Feb 5	149000			Oct 3	1929
LOWEST DAILY MEAN	1100	Jul 22	779	Jul 21	143			Sep 28	1980
ANNUAL SEVEN-DAY MINIMUM	1620	Aug 5	1320	May 21	279			Jul 1	1959
INSTANTANEOUS PEAK FLOW			25800	Feb 4	* 366000			Aug 26	1908
INSTANTANEOUS PEAK STAGE			21.35	Feb 4	* 39.70			Aug 26	1908
ANNUAL RUNOFF (CFSM)	1.38		1.22			1.23			
ANNUAL RUNOFF (INCHES)	18.80		16.61			16.72			
10 PERCENT EXCEEDS	14300		12600		13000				
50 PERCENT EXCEEDS	5650		4840		5000				
90 PERCENT EXCEEDS	2310		1550		1070				

\* 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 of 382,000 ft<sup>3</sup>/s over dam at Rocky Creek Reservoir.



SANTÉE RIVER BASIN  
02148000 WATEREE RIVER NEAR CAMDEN, SC--Continued  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1991 to current year.

pH: November 1991 to current year.

WATER TEMPERATURE: March 1988 to September 1989, November 1991 to current year.

DISSOLVED OXYGEN: November 1991 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 272 microsiemens, Dec. 28, 1993; minimum, 45 microsiemens, Mar. 9, 1995.

pH: Maximum, 8.4 units, Apr. 12, 1992, Nov. 17, 1994; minimum, 6.2 units, Feb. 25, 26.

WATER TEMPERATURE: Maximum, 33.0°C, Aug 15, 1988; minimum, 4.0°C, Feb. 10 - 16, 1995.

DISSOLVED OXYGEN: Maximum, 13.2 mg/L, Jan. 26, 1994; minimum, 1.7 mg/L, Aug. 3, 1993.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 192 microsiemens, Aug. 22; minimum, 72 microsiemens, Mar. 8.

pH: Maximum, 7.7 units, Mar. 5, Aug. 18; minimum, 6.4 units, Oct. 10 - 13.

WATER TEMPERATURE: Maximum, 30.0°C, several days in June, July, Aug.; minimum, 5.5°C, Jan. 13.

DISSOLVED OXYGEN: Maximum, 11.8 mg/L, Jan. 13, Feb. 4; minimum, 2.5 mg/L, June 28, July 9.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	131	124	128	119	111	116	111	109	111	141	126	139
2	131	128	129	120	108	116	112	108	110	144	122	140
3	134	130	132	122	104	117	113	106	110	144	133	141
4	135	114	128	124	112	120	114	107	113	146	135	142
5	133	114	126	124	118	121	115	106	112	147	141	145
6	132	114	125	125	122	124	116	109	113	148	143	147
7	142	124	135	126	121	124	119	113	116	149	133	145
8	145	137	141	123	116	120	119	102	114	150	127	143
9	148	143	146	123	115	118	121	107	118	150	137	147
10	147	140	145	121	114	119	122	108	116	151	143	148
11	144	139	142	117	103	113	127	111	121	150	144	148
12	140	135	139	113	99	108	130	117	125	149	137	147
13	136	131	134	114	105	109	129	114	123	149	144	147
14	134	131	133	115	107	111	133	120	129	150	140	147
15	136	129	134	115	112	114	136	129	133	151	143	147
16	137	128	134	117	114	116	136	124	134	151	132	149
17	138	133	136	117	111	113	136	128	133	152	144	150
18	138	133	135	112	103	109	137	128	134	151	133	146
19	138	131	134	112	104	109	137	127	134	151	140	148
20	137	129	133	111	99	108	136	121	132	150	140	147
21	135	130	134	111	101	107	136	124	132	152	148	150
22	136	130	133	112	104	109	136	124	134	155	142	152
23	135	128	133	111	101	107	137	123	132	158	146	154
24	135	128	132	110	107	109	137	130	136	159	150	156
25	132	128	129	110	106	109	138	130	136	160	155	158
26	129	120	126	111	105	108	139	134	137	159	155	157
27	126	113	123	110	104	108	139	132	136	155	139	146
28	122	107	117	110	104	108	140	130	137	146	137	141
29	124	115	120	110	107	109	141	136	139	144	132	139
30	123	115	120	111	108	110	142	136	140	140	134	136
31	121	115	120	---	---	---	143	138	140	136	125	131
MONTH	148	107	131	126	99	113	143	102	127	160	122	146

## SANTEE RIVER BASIN

02148000 WATEREE RIVER NEAR CAMDEN, SC--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	132	116	127	107	100	104	---	---	---	128	121	124
2	129	119	125	108	102	106	---	---	---	135	125	130
3	124	108	114	108	101	106	110	92	103	138	127	133
4	120	104	116	109	104	108	110	103	107	145	132	139
5	109	100	105	110	106	109	111	107	109	145	133	140
6	104	97	102	111	103	110	115	102	109	145	139	143
7	104	97	102	111	88	99	118	103	112	144	140	141
8	102	95	99	97	72	85	118	114	116	142	139	141
9	98	94	95	108	78	93	118	114	117	142	140	141
10	96	90	93	114	100	109	119	116	118	143	141	142
11	91	89	91	120	111	117	119	113	117	145	141	143
12	93	91	92	123	118	121	120	117	119	143	141	142
13	93	91	92	123	118	121	121	115	119	144	142	142
14	95	92	93	121	115	119	119	115	118	146	142	144
15	96	94	95	122	116	119	119	111	116	144	142	143
16	100	96	98	119	110	115	120	114	118	143	141	143
17	102	99	100	116	109	112	123	118	121	146	142	144
18	106	101	102	113	109	111	123	116	121	144	141	143
19	107	103	105	---	---	---	123	119	121	144	140	142
20	108	97	105	---	---	---	123	115	120	142	140	141
21	108	102	106	116	112	114	123	116	120	145	136	141
22	108	102	106	116	110	114	---	---	---	148	139	144
23	108	103	105	116	111	114	122	117	119	143	135	141
24	106	99	103	118	114	116	124	119	122	142	133	139
25	104	96	101	119	114	117	125	122	123	141	138	140
26	105	96	100	---	---	---	126	125	125	142	137	140
27	104	101	103	119	106	113	126	121	124	142	114	128
28	104	97	102	111	98	105	127	123	125	142	119	135
29	105	98	104	109	96	102	128	125	126	141	121	135
30	---	---	---	111	97	108	129	121	125	142	136	140
31	---	---	---	---	---	---	---	---	---	143	134	139
MONTH	132	89	103	123	72	110	129	92	118	148	114	139
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	145	128	139	167	161	164	174	153	163	176	166	170
2	144	140	142	176	161	170	176	151	165	175	163	172
3	143	137	141	177	166	173	177	148	169	176	168	174
4	146	135	142	174	161	169	179	170	175	175	172	174
5	143	125	137	178	169	173	181	168	175	173	166	172
6	153	116	134	177	170	174	173	149	167	170	148	160
7	148	130	140	179	171	175	173	145	166	169	153	160
8	141	102	126	181	171	177	175	166	171	173	155	164
9	126	98	116	181	173	178	175	171	173	175	161	171
10	151	113	138	180	172	176	177	167	174	173	163	171
11	147	133	143	180	171	176	175	151	170	172	150	165
12	150	137	145	179	171	177	177	164	173	169	144	155
13	151	143	148	180	167	173	176	166	172	---	---	---
14	151	136	144	178	170	175	176	163	170	---	---	---
15	149	139	145	176	163	172	182	165	176	170	158	165
16	151	146	148	176	169	174	181	170	179	168	161	165
17	152	144	148	177	154	172	184	171	179	169	161	167
18	155	145	151	177	170	174	181	173	178	167	155	162
19	154	141	151	176	170	174	184	175	181	166	148	162
20	160	141	155	177	161	171	184	175	181	166	159	163
21	156	151	155	178	132	160	186	173	183	167	157	165
22	158	149	155	179	171	176	192	177	185	165	131	154
23	162	156	159	180	157	174	185	174	182	165	138	151
24	162	152	159	167	84	145	182	174	180	162	143	151
25	163	159	161	177	149	167	179	167	176	164	152	160
26	165	161	163	176	157	171	---	---	---	161	148	155
27	165	159	163	178	162	171	---	---	---	---	---	---
28	168	159	166	178	155	167	183	179	181	---	---	---
29	169	162	166	178	173	175	182	175	179	---	---	---
30	171	162	168	180	172	177	179	176	178	---	---	---
31	---	---	---	177	168	173	178	172	176	---	---	---
MONTH	171	98	148	181	84	172	192	145	175	176	131	164
YEAR	192	72	137									



## SANTEE RIVER BASIN

02148000 WATEREE RIVER NEAR CAMDEN, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	26.0	22.0	23.5	19.0	18.5	19.0	12.0	11.5	11.5	8.5	8.0	8.0
2	25.0	22.5	23.5	19.0	18.5	18.5	12.0	11.0	11.5	9.0	8.0	8.0
3	24.0	23.0	23.5	19.0	18.0	18.5	12.0	10.5	11.5	9.0	8.0	8.0
4	23.5	23.0	23.0	18.5	18.0	18.5	12.0	11.0	11.5	8.5	7.5	8.0
5	23.5	23.0	23.0	18.0	17.5	17.5	11.5	11.0	11.5	8.5	7.5	7.5
6	23.5	23.0	23.5	18.0	17.0	17.5	12.5	11.0	11.5	7.5	7.5	7.5
7	24.0	23.0	23.5	17.5	17.0	17.5	11.5	11.0	11.5	7.5	7.0	7.5
8	24.0	23.5	23.5	17.5	16.5	17.0	11.5	10.5	11.0	7.0	6.5	7.0
9	24.0	23.0	23.5	16.5	16.0	16.5	11.0	10.5	11.0	7.0	6.5	6.5
10	23.5	23.0	23.5	16.0	15.5	16.0	11.0	9.5	10.5	7.5	6.0	6.5
11	23.5	23.0	23.0	15.5	14.5	15.5	10.5	8.5	10.0	6.5	6.0	6.5
12	23.0	22.5	23.0	15.0	14.5	15.0	11.0	8.0	10.0	6.5	6.0	6.0
13	23.0	22.5	23.0	14.5	14.0	14.5	11.0	9.5	10.0	7.0	5.5	6.0
14	23.0	22.5	23.0	14.5	14.0	14.0	11.0	9.5	10.0	6.5	6.0	6.0
15	23.0	22.5	22.5	14.0	13.5	14.0	11.5	10.0	10.5	6.5	6.0	6.0
16	23.0	22.0	22.5	13.5	13.0	13.0	10.5	10.0	10.5	6.5	6.0	6.0
17	22.0	21.0	21.5	13.0	12.5	12.5	11.0	10.0	10.5	6.5	6.0	6.5
18	21.5	20.5	21.0	13.0	12.0	12.5	10.5	10.0	10.0	7.0	6.5	6.5
19	21.5	20.0	21.0	13.0	12.0	12.5	10.5	10.0	10.0	7.5	7.0	7.0
20	21.5	20.0	20.5	12.5	11.5	12.0	10.0	9.5	10.0	7.5	6.5	7.0
21	21.0	20.0	20.5	13.0	11.5	12.0	10.0	9.0	9.5	7.0	6.5	7.0
22	21.0	19.5	20.0	13.0	10.5	12.0	10.0	9.0	9.5	7.0	6.5	7.0
23	21.0	19.5	20.0	12.5	11.5	12.0	9.5	9.0	9.0	8.0	6.5	7.0
24	21.0	19.5	20.0	12.0	11.0	11.5	9.5	8.5	9.0	7.5	7.0	7.5
25	20.5	20.0	20.0	12.0	11.0	11.5	9.5	8.0	8.5	8.0	7.5	7.5
26	20.5	19.5	20.0	12.0	11.0	11.5	9.0	7.0	8.0	8.0	7.5	8.0
27	20.5	19.5	19.5	12.0	10.5	11.5	9.0	6.5	8.0	8.5	8.0	8.5
28	20.0	19.0	19.5	13.0	11.0	11.5	8.5	6.5	8.0	8.5	8.0	8.0
29	19.5	19.0	19.5	12.0	11.5	11.5	8.5	7.5	8.0	8.0	8.0	8.0
30	19.5	18.5	19.0	12.0	11.5	11.5	9.0	7.0	8.0	8.0	8.0	8.0
31	19.0	18.5	19.0	---	---	---	8.5	8.0	8.0	8.5	8.0	8.5
MONTH	26.0	18.5	21.7	19.0	10.5	14.3	12.5	6.5	9.9	9.0	5.5	7.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	8.5	8.0	8.5	11.0	10.5	11.0	---	---	---	20.5	19.5	20.0
2	8.0	8.0	8.0	11.5	10.5	11.0	---	---	---	20.5	19.5	20.0
3	8.0	7.5	7.5	12.0	10.5	11.5	13.5	12.0	12.5	21.0	19.5	20.5
4	7.5	7.0	7.5	12.0	10.5	11.5	14.0	12.5	13.0	21.5	19.5	20.5
5	7.0	6.5	7.0	11.5	11.0	11.5	15.0	13.0	14.0	22.5	20.5	21.5
6	6.5	6.0	6.5	11.5	11.5	11.5	14.0	13.5	13.5	23.5	20.5	21.5
7	6.5	6.0	6.0	12.5	11.5	12.0	15.0	13.0	14.0	21.5	20.0	21.0
8	6.5	6.0	6.0	12.5	11.5	12.0	14.5	13.0	13.5	22.0	19.5	20.5
9	6.5	6.0	6.5	11.5	10.5	11.0	14.5	13.0	14.0	22.5	19.5	20.5
10	6.5	6.0	6.5	11.5	10.5	11.0	15.0	13.0	14.0	22.5	19.0	20.5
11	7.0	6.0	6.5	11.5	10.5	11.0	16.0	13.5	14.5	22.0	19.5	20.5
12	7.0	6.5	6.5	11.5	10.5	11.0	16.5	13.5	14.5	23.0	20.0	21.0
13	7.0	6.5	6.5	11.5	10.5	11.0	15.5	14.0	14.5	20.5	19.5	20.0
14	7.0	6.5	7.0	12.0	10.5	11.0	17.0	14.5	15.5	22.0	19.0	20.5
15	7.5	7.0	7.0	12.0	11.0	11.5	16.5	15.0	15.5	21.0	19.0	20.0
16	7.5	7.5	7.5	12.5	11.5	12.0	17.0	14.5	15.5	22.5	19.5	20.5
17	7.5	7.0	7.5	12.0	11.5	11.5	18.0	15.0	16.0	23.5	20.0	21.0
18	8.0	7.0	7.5	11.5	11.5	11.5	17.0	15.5	16.0	24.0	20.0	21.5
19	8.0	7.5	7.5	---	---	---	16.5	15.5	16.0	24.0	20.0	21.5
20	8.0	7.5	8.0	---	---	---	18.0	16.0	16.5	24.0	20.5	22.0
21	8.5	7.5	8.0	---	---	---	18.5	16.0	17.0	24.5	20.5	22.0
22	8.5	8.0	8.0	11.5	10.5	11.0	---	---	---	24.0	21.0	22.0
23	9.0	8.0	8.5	11.5	10.5	11.0	19.0	17.0	17.5	24.5	21.0	22.5
24	10.5	8.5	9.5	12.5	11.0	11.5	20.5	17.0	18.5	24.0	20.5	22.0
25	11.0	9.5	10.0	12.0	11.0	11.5	20.0	17.0	18.0	25.0	21.0	22.5
26	11.0	9.0	10.0	---	---	---	18.0	17.0	17.5	24.5	22.0	23.0
27	11.0	9.5	10.0	12.0	11.5	12.0	20.5	17.5	18.5	24.5	21.5	23.0
28	11.0	10.0	10.5	11.5	11.0	11.5	20.5	18.0	19.0	24.5	22.0	22.5
29	12.0	11.0	11.5	12.5	11.0	11.5	19.0	18.0	18.5	24.0	21.5	22.5
30	---	---	---	12.0	11.5	12.0	19.5	18.5	19.0	23.5	21.5	22.5
31	---	---	---	---	---	---	---	---	---	24.5	20.5	22.0
MONTH	12.0	6.0	7.8	12.5	10.5	11.4	20.5	12.0	15.8	25.0	19.0	21.3





## SANTEE RIVER BASIN

02148000 WATEREE RIVER NEAR CAMDEN, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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



SANTEE RIVER BASIN  
02148071 GILLIES CREEK NEAR LUGOFF, SC

LOCATION.--Lat 34°11'37'', long 80°40'37'', Kershaw County, Hydrologic Unit 03050104, at downstream side of culvert on County Road 992, 2.8 mi south of Lugoff, 1.2 mi east of intersection of County Road 992 and U.S. Hwy 601.

DRAINAGE AREA.--8.29 mi<sup>2</sup>.

PERIOD OF RECORD.--April 1994 to current year.

GAGE.--Data collection platform. Elevation of gage is 145 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	12	12	16	18	11	27	18	8.6	6.8	12	8.5
2	9.7	13	12	14	16	10	22	13	8.5	6.4	17	12
3	9.2	15	13	12	22	10	16	12	8.5	5.9	23	13
4	20	13	13	10	16	10	14	11	8.6	5.6	11	11
5	33	12	12	10	14	9.8	13	11	9.2	6.1	30	12
6	15	12	12	11	13	14	15	10	8.7	7.4	29	18
7	11	15	17	15	12	74	17	10	8.8	7.1	12	7.6
8	9.6	19	15	15	12	45	15	10	11	6.9	9.9	8.3
9	9.2	14	18	12	12	22	13	10	13	7.2	9.0	7.4
10	8.9	12	16	12	12	18	13	9.7	13	7.4	8.6	6.4
11	8.9	21	13	12	12	17	13	9.5	12	6.7	9.2	6.4
12	9.2	27	12	13	12	15	13	9.5	11	6.9	10	6.6
13	9.5	16	12	13	11	15	15	9.3	11	7.0	9.8	6.5
14	13	13	12	12	11	15	22	9.2	9.8	7.2	9.0	6.2
15	14	12	11	12	12	17	16	9.3	9.3	9.3	8.2	6.3
16	12	11	12	11	12	20	13	9.5	9.0	10	7.6	7.5
17	9.3	11	13	10	11	18	12	9.2	8.6	8.4	7.3	9.6
18	8.6	12	13	11	11	18	12	8.9	8.1	7.6	10	8.1
19	9.7	13	22	34	11	17	12	8.9	7.8	6.9	9.7	7.5
20	10	13	18	18	12	16	14	8.7	8.3	7.3	11	7.2
21	11	13	14	13	12	14	14	8.1	8.3	24	8.9	8.0
22	10	12	12	12	11	14	13	7.7	7.9	13	7.8	15
23	10	12	12	11	11	13	12	7.6	7.6	15	7.4	10
24	9.7	13	12	13	11	13	11	7.4	7.5	39	7.5	8.3
25	9.0	16	12	13	11	13	11	7.6	7.7	15	7.9	7.5
26	9.4	14	12	12	11	13	13	8.2	7.3	10	8.2	6.6
27	14	13	12	36	10	13	14	10	6.9	9.1	9.5	6.6
28	33	12	11	21	12	37	12	15	6.7	8.8	10	6.4
29	17	13	11	14	12	27	18	12	6.7	8.3	9.1	6.5
30	12	12	12	12	---	17	36	14	6.9	7.5	8.3	8.5
31	11	---	14	25	---	16	---	10	---	8.7	8.0	---
TOTAL	385.9	416	412	455	363	581.8	461	314.3	266.3	302.5	345.9	259.5
MEAN	12.4	13.9	13.3	14.7	12.5	18.8	15.4	10.1	8.88	9.76	11.2	8.65
MAX	33	27	22	36	22	74	36	18	13	39	30	18
MIN	8.6	11	11	10	10	9.8	11	7.4	6.7	5.6	7.3	6.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
MEAN	13.6	15.0	17.5	16.9	18.0	18.6	14.8	10.4	11.5	9.45	12.9	10.1
MAX	14.8	16.2	21.8	19.2	23.7	18.8	15.4	11.4	17.0	10.2	14.4	10.9
(WY)	1995	1995	1995	1995	1995	1996	1996	1995	1995	1995	1995	1995
MIN	12.4	13.9	13.3	14.7	12.5	18.4	14.3	9.77	8.65	8.37	11.2	8.65
(WY)	1996	1996	1996	1996	1996	1995	1995	1994	1994	1994	1996	1996

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1994 - 1996

ANNUAL TOTAL	5426.3	4563.2	14.2
ANNUAL MEAN	14.9	12.5	16.0
HIGHEST ANNUAL MEAN			12.5
LOWEST ANNUAL MEAN			151
HIGHEST DAILY MEAN	87	Aug 26	74
LOWEST DAILY MEAN	7.4	May 26	5.6
ANNUAL SEVEN-DAY MINIMUM	7.8	Aug 8	6.3
INSTANTANEOUS PEAK FLOW			137
INSTANTANEOUS PEAK STAGE			4.29
INSTANTANEOUS LOW FLOW			5.4
10 PERCENT EXCEEDS	23		18
50 PERCENT EXCEEDS	12		12
90 PERCENT EXCEEDS	8.8		7.5

## SANTEE RIVER BASIN

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.--Data collection platform. Datum of gage is 77.43 ft above sea level (South Carolina Electric and Gas Company benchmark).

REMARKS.--Records good except for estimated daily discharges, Jan. 10 - 13, July 20 - 22, which are fair. Flow regulated by powerplant at Wateree Reservoir (usable capacity, 2,794,000,000 ft<sup>3</sup>/s). Discharge represents only that portion of the flow confined to the main channel; less than about 10,000 ft<sup>3</sup>/s. At times of high flow, bankfull capacity is exceeded in the intervening channel reach, therefore, daily mean discharges greater than 10,000 ft<sup>3</sup>/s are not shown for Oct. 6, - 17, Nov. 1, 2, 10 - 19, Jan. 22, 23, Jan. 26 to Feb. 21, Mar. 8 - 17, 21 - 24, Mar. 31 to Apr. 1, 5, May 2 - 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3670	---	7070	3400	---	8210	---	8380	3190	1690	2500	6630
2	2590	---	8700	3650	---	8810	9490	---	2860	2170	1970	4260
3	2810	9620	8890	3490	---	8810	9520	---	3120	1790	1960	2330
4	5900	9190	6380	4010	---	7910	9760	---	2840	1680	2600	3120
5	9450	8140	5430	6030	---	7200	---	7740	2800	1630	3700	7360
6	---	7330	5870	5800	---	8450	9540	7270	2950	1560	2750	8920
7	---	6340	4130	6440	---	9410	8000	5680	2070	1560	2250	6320
8	---	6980	4670	6950	---	---	7260	4590	1870	1700	2520	3240
9	---	9330	7140	7650	---	---	5890	3700	2200	1600	3000	2050
10	---	---	6220	7900	---	---	5120	3340	2220	1650	2940	2430
11	---	---	5400	7500	---	---	5330	3200	3310	1670	2600	2920
12	---	---	4520	7500	---	---	5450	3060	3910	1780	2650	3820
13	---	---	4580	7300	---	---	4360	3000	3030	3370	3890	3130
14	---	---	5560	6260	---	---	4940	2930	3700	2300	6020	2490
15	---	---	4610	6280	---	---	4760	2900	4260	1750	5670	2170
16	---	---	3830	7270	---	---	4090	2890	3590	1490	4980	2130
17	---	---	4880	7150	---	---	3990	2890	3810	1750	6460	2160
18	9360	---	5800	7630	---	9890	3850	2930	4920	2200	5780	3380
19	8900	---	5030	7190	---	9730	5610	3000	3950	3680	5050	4000
20	7530	9350	4340	8270	---	9980	5480	2880	3500	3500	4510	3040
21	5750	8330	5290	9520	---	---	4560	2820	3080	2500	4850	2460
22	4930	6200	6440	---	9670	---	4240	2360	4490	1500	5090	3750
23	4590	4620	6460	---	9440	---	4340	1980	4680	1630	5900	3490
24	4400	4420	5880	9860	9420	---	4350	1780	4910	1900	5440	2590
25	5170	4310	4450	9530	8420	8730	3970	1790	5100	4190	5090	2230
26	6600	6330	4160	---	7100	7170	3460	1760	4270	4300	4500	2020
27	6910	6720	3690	---	5330	6100	3210	1710	4910	3380	4270	1960
28	7130	6530	3170	---	6690	6610	3310	1720	4050	2600	5610	1680
29	8010	5640	2910	---	7570	7940	4370	2060	2510	2000	7670	1670
30	8800	6430	3390	---	---	9200	5190	2150	1800	1980	7850	1700
31	9480	---	3830	---	---	---	---	3120	---	2440	7370	---
TOTAL	---	---	162720	---	---	---	---	---	103900	68940	137440	99450
MEAN	---	---	5249	---	---	---	---	---	3463	2224	4434	3315
MAX	---	---	8890	---	---	---	---	---	5100	4300	7850	8920
MIN	---	---	2910	---	---	---	---	---	1800	1490	1960	1670
CFSM	---	---	.94	---	---	---	---	---	.62	.40	.79	.59
IN.	---	---	1.08	---	---	---	---	---	.69	.46	.91	.66

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1996, BY WATER YEAR (WY)

MIN (WY)	1650	1623	2885	4046	3047	3635	2344	1440	1350	1507	1627	1939
	1994	1982	1989	1989	1977	1981	1985	1986	1988	1986	1988	1986

## SUMMARY STATISTICS FOR 1995 CALENDAR YEAR FOR 1996 WATER YEAR WATER YEARS 1968 - 1996

LOWEST DAILY MEAN	1950	* May 25	1490	Jul 16	549	Oct 22 1986
INSTANTANEOUS PEAK FLOW			Unknown	** Feb 6	Unknown	Oct 6 1989
INSTANTANEOUS PEAK STAGE			15.28	Feb. 6	17.98	Oct 6 1989

\* Also occurred on July 23.

\*\* Also occurred on Feb. 7 - 9.

Santee 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: February 1971 to current year.

WATER TEMPERATURE: October 1970 to current year.

DISSOLVED OXYGEN: October 1970 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 305 microsiemens, Sept. 18, 1992; minimum, 40 microsiemens, Sept. 1, 1984.

pH: Maximum, 8.5 units, Aug. 26, 1980; minimum, 5.2 units, June 2, 1995.

WATER TEMPERATURE: Maximum, 33.0°C, July 19, 20, 1986; minimum, 1.0°C, Jan. 22, 1985.

DISSOLVED OXYGEN: Maximum, 13.1 mg/L, Jan. 22, 1977; minimum, 2.1 mg/L, Aug. 27, 1984.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 231 microsiemens, July 1; minimum, 89 microsiemens, Feb. 13.

pH: Maximum, 7.6 units, Aug. 2 - 4; minimum, 6.0 units, Apr. 23.

WATER TEMPERATURE: Maximum, 30.5°, July 2, 31; minimum, 5.0°C, Jan. 9, 14.

DISSOLVED OXYGEN: Maximum, 12.3 mg/L, Jan. 16, 17; minimum, 4.5 mg/L, Aug. 29.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	202	187	198
2	---	---	---	---	---	---	---	---	---	204	185	193
3	---	---	---	---	---	---	---	---	---	204	190	194
4	---	---	---	---	---	---	---	---	---	196	179	192
5	---	---	---	---	---	---	---	---	---	189	178	181
6	---	---	---	---	---	---	---	---	---	180	164	170
7	---	---	---	---	---	---	---	---	---	164	156	159
8	---	---	---	---	---	---	---	---	---	173	154	160
9	---	---	---	---	---	---	---	---	---	172	158	163
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	166	152	162
18	---	---	---	---	---	---	---	---	---	174	165	169
19	---	---	---	---	---	---	---	---	---	175	168	171
20	---	---	---	---	---	---	---	---	---	174	166	170
21	---	---	---	---	---	---	185	179	181	173	164	166
22	---	---	---	---	---	---	190	179	185	173	167	169
23	---	---	---	---	---	---	196	190	193	174	163	168
24	---	---	---	---	---	---	195	190	193	172	164	165
25	---	---	---	---	---	---	199	191	194	178	164	171
26	---	---	---	---	---	---	198	190	194	181	173	176
27	---	---	---	---	---	---	200	190	194	183	173	177
28	---	---	---	---	---	---	210	200	205	177	162	171
29	---	---	---	---	---	---	210	191	201	166	157	160
30	---	---	---	---	---	---	199	192	196	161	155	157
31	---	---	---	---	---	---	200	169	193	155	149	153
MONTH	---	---	---	---	---	---	210	169	194	204	149	171







## SANTEE RIVER BASIN

02148315 WATEREE RIVER BELOW EASTOVER, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	24.5	23.5	24.0	18.0	18.0	18.0	10.5	10.0	10.0	8.0	7.0	7.5
2	24.5	23.5	24.0	18.0	17.5	18.0	10.5	10.0	10.5	8.5	8.0	8.5
3	24.5	24.0	24.0	18.0	18.0	18.0	10.5	10.5	10.5	8.5	8.5	8.5
4	24.5	24.0	24.5	18.0	17.5	18.0	11.0	10.5	10.5	8.5	7.5	7.5
5	25.0	24.0	24.5	17.5	16.0	16.5	11.0	10.5	11.0	7.5	7.0	7.0
6	25.0	23.5	24.0	16.0	15.5	15.5	11.0	10.5	11.0	7.0	6.5	7.0
7	25.5	24.0	25.0	16.0	15.5	15.5	11.0	10.5	11.0	6.5	6.0	6.5
8	25.5	24.5	25.0	16.5	16.0	16.0	10.5	9.5	10.0	6.0	5.5	5.5
9	24.5	24.5	24.5	16.0	15.0	15.5	9.5	9.5	9.5	5.5	5.0	5.5
10	25.0	24.5	24.5	15.0	14.5	15.0	9.5	9.0	9.5	---	---	---
11	24.5	24.5	24.5	15.0	14.5	15.0	9.0	8.5	8.5	---	---	---
12	24.5	24.0	24.0	14.5	13.5	14.0	8.5	7.5	8.0	---	---	---
13	24.0	23.0	23.5	13.5	13.0	13.5	8.5	7.5	8.0	---	---	---
14	23.5	23.0	23.5	13.5	13.0	13.5	9.0	8.0	8.5	6.0	5.0	5.5
15	23.5	22.5	23.0	13.0	12.5	12.5	10.0	9.0	9.5	6.5	5.5	6.0
16	22.5	22.0	22.0	12.5	12.0	12.0	10.5	10.0	10.0	6.5	6.0	6.0
17	22.0	21.0	21.5	12.0	11.5	12.0	10.5	9.5	10.0	6.5	6.0	6.0
18	21.0	21.0	21.0	12.0	11.0	11.5	9.5	9.0	9.5	7.0	6.0	6.5
19	21.0	20.5	21.0	11.5	10.5	11.0	10.0	9.0	9.5	8.5	7.0	8.0
20	21.0	20.5	21.0	11.0	10.5	10.5	9.5	9.0	9.5	8.0	6.5	7.5
21	21.0	20.0	20.5	11.5	11.0	11.0	9.0	8.0	8.5	6.5	6.0	6.0
22	20.0	19.5	19.5	11.0	10.5	11.0	8.0	7.5	8.0	6.5	6.0	6.0
23	19.5	19.0	19.5	10.5	10.0	10.5	8.0	7.5	7.5	6.5	6.0	6.5
24	20.0	19.0	19.5	10.5	10.0	10.5	7.5	7.0	7.5	7.5	6.5	7.0
25	21.0	19.5	20.0	10.5	10.0	10.5	7.0	6.5	7.0	7.5	7.0	7.0
26	20.0	20.0	20.0	10.5	10.0	10.0	6.5	6.0	6.5	7.5	6.5	7.0
27	20.0	19.5	19.5	10.5	10.0	10.5	6.5	6.0	6.5	8.5	7.5	8.0
28	20.0	19.5	19.5	11.5	10.5	11.0	6.5	5.5	6.0	8.5	8.0	8.0
29	19.5	18.0	18.5	12.0	11.0	11.5	6.5	6.0	6.0	8.0	7.5	8.0
30	18.0	18.0	18.0	11.5	10.5	11.0	6.5	5.5	6.0	8.0	7.5	8.0
31	18.0	17.5	18.0	---	---	---	7.0	6.5	6.5	8.0	7.5	8.0
MONTH	25.5	17.5	22.0	18.0	10.0	13.3	11.0	5.5	8.7	8.5	5.0	7.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	8.0	8.0	8.0	11.5	10.5	11.0	12.5	12.0	12.5	19.5	19.0	19.0
2	8.0	7.5	7.5	11.5	11.0	11.5	13.5	12.5	13.0	20.5	19.0	19.5
3	7.5	7.0	7.0	11.0	10.5	11.0	14.0	13.0	13.5	20.5	20.0	20.5
4	7.0	6.5	6.5	11.5	11.0	11.0	14.5	13.5	14.0	21.0	20.5	21.0
5	6.5	6.0	6.5	12.0	11.0	11.5	15.0	14.0	14.5	22.5	21.0	21.5
6	6.0	5.5	6.0	12.0	11.5	12.0	15.0	14.5	14.5	22.5	22.0	22.5
7	5.5	5.5	5.5	12.0	12.0	12.0	15.0	14.0	14.5	23.5	22.5	23.0
8	6.0	5.5	5.5	12.0	11.5	12.0	14.5	13.5	14.0	23.5	22.0	23.0
9	7.0	6.0	6.5	11.5	11.0	11.5	15.0	14.0	14.5	24.0	22.5	23.0
10	7.0	6.5	7.0	11.0	10.0	10.5	15.0	13.5	14.5	24.5	23.0	23.5
11	7.5	7.0	7.0	10.5	10.0	10.0	15.0	13.5	14.5	24.5	23.5	24.0
12	7.5	6.5	7.0	10.5	10.0	10.5	16.0	14.0	15.0	24.5	23.5	24.0
13	6.5	6.5	6.5	11.0	10.5	10.5	17.0	15.0	16.0	23.5	21.5	22.0
14	6.5	6.0	6.5	11.5	10.5	11.0	18.0	16.5	17.0	21.5	20.5	21.0
15	7.0	6.5	7.0	12.0	11.5	12.0	18.0	16.5	17.5	21.0	20.0	20.0
16	7.0	7.0	7.0	13.0	12.0	12.5	18.5	17.0	18.0	21.5	19.5	20.5
17	7.0	6.5	7.0	13.0	12.5	13.0	18.0	17.0	17.5	23.0	21.0	22.0
18	7.0	6.5	7.0	13.0	12.0	12.5	18.5	16.5	17.5	24.5	22.5	23.5
19	7.5	7.0	7.0	12.5	11.5	12.0	18.5	17.0	17.5	26.0	24.0	25.0
20	8.0	7.5	7.5	11.5	10.5	11.0	18.0	17.0	17.5	26.5	25.0	26.0
21	8.5	7.5	8.0	11.0	10.0	10.5	19.0	17.5	18.0	26.5	25.5	26.0
22	9.0	8.5	8.5	11.5	10.5	11.0	20.5	18.5	19.5	27.0	25.5	26.5
23	9.5	8.5	9.0	11.5	11.0	11.5	21.0	19.5	20.0	27.5	26.0	26.5
24	9.5	9.0	9.5	12.0	11.5	11.5	20.5	19.0	20.0	27.5	26.5	27.0
25	10.0	9.5	9.5	12.5	11.5	12.0	20.0	18.5	19.0	27.0	26.0	26.5
26	11.0	9.5	10.5	13.5	12.5	13.0	20.0	18.5	19.0	27.5	26.5	26.5
27	12.5	11.0	11.5	13.5	12.5	13.0	20.0	19.0	19.5	27.5	25.5	26.5
28	12.5	11.0	11.5	12.5	11.5	12.5	20.5	19.0	19.5	27.0	26.0	26.5
29	11.5	10.5	11.0	12.0	11.5	11.5	21.0	20.0	20.5	26.5	26.0	26.0
30	---	---	---	12.5	11.5	12.0	21.0	19.5	20.0	26.0	24.5	25.0
31	---	---	---	13.0	12.5	12.5	---	---	---	24.5	23.5	24.0
MONTH	12.5	5.5	7.7	13.5	10.0	11.6	21.0	12.0	16.7	27.5	19.0	23.6



## SANTEE RIVER BASIN

02148315 WATEREE RIVER BELOW EASTOVER, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	10.3	10.2	10.3	11.9	11.4	11.5
2	---	---	---	---	---	---	10.5	10.1	10.3	11.5	11.2	11.4
3	---	---	---	---	---	---	10.2	10.1	10.2	11.2	11.0	11.1
4	---	---	---	8.8	8.2	8.5	10.1	10.0	10.1	11.5	11.1	11.4
5	---	---	---	8.6	8.4	8.5	10.5	10.1	10.2	11.9	11.5	11.7
6	---	---	---	9.0	8.6	8.8	10.5	10.3	10.4	11.8	11.6	11.7
7	---	---	---	8.9	8.7	8.7	10.4	10.1	10.2	11.9	11.7	11.8
8	---	---	---	8.9	8.7	8.8	10.8	10.0	10.3	11.8	11.7	11.7
9	---	---	---	8.8	8.7	8.7	10.8	10.6	10.7	12.0	11.6	11.9
10	---	---	---	8.9	8.8	8.9	10.8	10.5	10.6	---	---	---
11	---	---	---	9.0	8.8	8.9	10.9	10.8	10.9	---	---	---
12	---	---	---	9.0	8.8	8.9	11.1	10.9	11.0	---	---	---
13	---	---	---	9.3	9.0	9.2	11.4	11.0	11.2	---	---	---
14	---	---	---	9.3	9.2	9.2	11.3	10.9	11.1	12.1	11.9	12.0
15	---	---	---	9.4	9.2	9.3	10.9	10.7	10.8	12.2	11.9	12.0
16	---	---	---	9.6	9.4	9.5	10.8	10.4	10.6	12.3	12.0	12.1
17	---	---	---	9.8	9.6	9.7	10.9	10.5	10.7	12.3	12.0	12.1
18	---	---	---	9.9	9.7	9.8	11.0	10.8	10.8	12.1	11.9	12.0
19	---	---	---	9.7	9.2	9.4	10.9	10.6	10.8	11.9	11.5	11.7
20	---	---	---	9.6	9.2	9.4	10.8	10.5	10.6	11.8	11.5	11.7
21	---	---	---	10.0	9.6	9.8	11.0	10.6	10.8	12.0	11.7	11.9
22	---	---	---	9.9	9.7	9.8	11.3	10.9	11.1	12.0	11.8	11.9
23	---	---	---	10.1	9.8	10.0	11.3	11.1	11.2	11.9	11.5	11.8
24	---	---	---	10.4	10.1	10.3	11.4	11.1	11.2	11.6	11.2	11.5
25	---	---	---	10.5	10.1	10.3	11.4	11.2	11.2	11.5	11.2	11.4
26	---	---	---	10.6	10.4	10.5	11.6	11.4	11.4	11.5	11.4	11.4
27	---	---	---	10.5	10.3	10.4	11.6	11.2	11.4	11.4	11.2	11.3
28	---	---	---	10.5	10.1	10.2	11.9	11.2	11.6	11.3	11.1	11.2
29	---	---	---	10.3	9.9	10.1	11.9	11.2	11.5	11.3	11.1	11.1
30	---	---	---	10.3	9.9	10.0	12.1	11.7	11.9	11.2	11.1	11.1
31	---	---	---	---	---	---	12.1	11.8	12.0	11.1	11.0	11.0
MONTH	---	---	---	10.6	8.2	9.5	12.1	10.0	10.9	12.3	11.0	11.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.1	11.0	11.0	10.6	10.3	10.4	9.4	8.9	9.2	7.6	7.1	7.4
2	11.1	11.0	11.0	10.5	10.4	10.4	8.9	8.7	8.8	7.3	7.1	7.2
3	11.1	11.0	11.0	---	---	---	9.3	8.8	9.2	7.2	6.9	7.1
4	11.4	11.1	11.2	---	---	---	9.4	9.2	9.3	7.0	6.4	6.8
5	11.9	11.3	11.7	---	---	---	9.3	9.0	9.2	6.6	6.2	6.4
6	11.9	11.7	11.8	---	---	---	9.0	8.7	8.9	6.8	6.3	6.6
7	11.7	11.4	11.5	---	---	---	8.8	8.5	8.7	6.9	6.6	6.7
8	11.6	11.4	11.5	---	---	---	9.0	8.5	8.8	6.9	6.5	6.7
9	11.7	11.5	11.5	---	---	---	8.9	8.6	8.7	6.8	6.6	6.7
10	11.7	11.4	11.5	---	---	---	8.9	8.6	8.7	6.8	6.7	6.8
11	11.5	11.3	11.4	---	---	---	9.2	8.7	8.9	6.9	6.7	6.8
12	11.5	11.3	11.4	---	---	---	9.2	8.8	9.0	6.9	6.7	6.8
13	11.7	11.4	11.5	---	---	---	8.8	8.5	8.6	7.2	6.9	7.0
14	11.7	11.4	11.6	---	---	---	8.7	8.3	8.5	7.4	7.2	7.3
15	11.7	11.4	11.5	---	---	---	8.6	8.2	8.5	7.5	7.4	7.4
16	11.8	11.1	11.4	---	---	---	8.3	8.1	8.2	7.6	7.3	7.5
17	11.6	11.3	11.4	---	---	---	8.3	8.1	8.2	7.4	7.1	7.3
18	11.5	11.3	11.4	---	---	---	8.4	8.2	8.3	7.1	6.7	6.9
19	11.5	11.3	11.4	---	---	---	8.6	8.1	8.3	6.8	6.6	6.7
20	11.4	11.2	11.3	---	---	---	8.6	8.2	8.4	6.6	6.4	6.5
21	11.2	10.5	10.9	---	---	---	8.2	8.0	8.0	6.6	6.4	6.5
22	10.9	10.4	10.6	---	---	---	8.2	7.9	8.0	6.5	6.2	6.4
23	10.9	10.8	10.8	9.8	9.5	9.6	7.9	7.7	7.8	6.4	6.1	6.2
24	11.0	10.7	10.8	10.0	9.3	9.5	8.2	7.7	7.9	6.4	6.1	6.3
25	10.7	10.4	10.6	9.5	9.2	9.3	8.1	7.8	7.9	6.5	6.2	6.3
26	10.9	10.4	10.5	9.4	9.0	9.2	8.0	7.6	7.8	6.5	6.2	6.4
27	10.4	9.8	10.1	9.1	8.9	9.0	7.7	7.6	7.6	6.6	6.4	6.5
28	10.4	9.8	10.0	9.5	9.1	9.3	7.8	7.6	7.7	6.5	6.3	6.4
29	10.6	10.3	10.4	9.6	9.3	9.5	7.9	7.5	7.7	6.5	6.2	6.3
30	---	---	---	9.6	9.4	9.5	7.7	7.4	7.5	6.6	6.3	6.4
31	---	---	---	9.5	9.3	9.4	---	---	---	7.1	6.6	6.9
MONTH	11.9	9.8	11.1	10.6	8.9	9.6	9.4	7.4	8.4	7.6	6.1	6.7





## SANTEE RIVER BASIN

02153780 CLARKS FORK CREEK NEAR SMYRNA, SC

LOCATION.--Lat 35°04'45'', long 81°23'17'', York County, Hydrologic Unit 03050105, near right bank, at downstream side of bridge on State Highway 55, 3.0 mi northeast of Smyrna and 10.1 mi northwest of York.

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

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

GAGE.--Data collection platform. Elevation of gage is 565 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	26	20	20	31	22	101	44	14	3.8	2.0	.87
2	16	155	20	20	261	23	58	32	14	3.5	1.8	.97
3	16	75	19	24	259	22	40	28	14	3.6	1.5	2.4
4	63	36	19	20	54	21	35	25	15	3.4	1.1	8.9
5	59	27	19	18	39	21	33	24	15	2.5	.70	22
6	30	25	19	19	35	244	32	23	14	2.1	1.2	30
7	21	165	25	29	33	241	31	22	13	2.6	3.4	.76
8	18	96	22	23	33	78	30	22	17	2.6	6.4	.53
9	16	39	29	21	33	43	31	21	29	2.7	1.8	.51
10	16	31	25	21	30	36	28	20	17	2.1	2.2	.46
11	16	264	22	22	29	33	28	20	26	1.8	1.8	.57
12	16	120	21	25	27	32	28	21	18	2.1	5.4	.52
13	23	41	20	24	26	30	33	19	13	2.2	8.0	.44
14	69	31	20	27	26	29	43	19	11	1.9	2.7	.36
15	63	27	20	32	26	30	34	19	9.4	3.1	1.8	.29
16	27	24	20	34	25	31	34	20	12	5.3	1.4	.37
17	21	22	19	30	24	33	29	19	9.0	3.1	1.3	2.1
18	19	21	19	28	24	31	29	18	8.3	2.2	1.3	.56
19	19	21	25	56	24	115	28	17	7.5	1.7	.90	.37
20	18	20	24	35	39	56	30	17	7.2	1.4	.67	.32
21	20	20	20	28	34	39	30	16	6.5	1.2	.59	.43
22	18	19	19	25	29	34	28	16	6.7	.85	.57	3.4
23	17	18	19	24	27	32	27	15	5.8	1.2	.68	5.4
24	17	32	19	26	26	30	26	16	5.4	3.4	.82	7.2
25	17	38	18	25	24	31	25	25	5.1	2.4	2.9	8.9
26	16	26	18	23	24	31	31	17	4.6	5.4	1.2	10
27	29	23	18	335	24	29	29	17	3.9	3.8	1.1	11
28	96	22	18	59	25	60	25	18	4.1	2.4	1.1	12
29	29	23	18	37	23	48	32	19	3.9	2.0	1.4	13
30	22	21	17	36	---	37	149	19	3.8	1.6	1.5	14
31	22	---	18	36	---	39	---	15	---	1.6	.94	---
TOTAL	865	1508	629	1182	1314	1581	1137	643	333.2	79.55	60.17	158.63
MEAN	27.9	50.3	20.3	38.1	45.3	51.0	37.9	20.7	11.1	2.57	1.94	5.29
MAX	96	264	29	335	261	244	149	44	29	5.4	8.0	30
MIN	16	18	17	18	23	21	25	15	3.8	.85	.57	.29
CFSM	1.16	2.09	.84	1.58	1.88	2.12	1.57	.86	.46	.11	.08	.22
IN.	1.34	2.33	.97	1.82	2.03	2.44	1.76	.99	.51	.12	.09	.24

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1996, BY WATER YEAR (WY)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	17.3	19.6	22.0	36.1	40.6	43.6	27.0	19.1	14.7	9.28	13.3	7.89				
MAX	91.8	60.1	54.9	82.5	66.8	94.5	54.7	37.1	36.8	30.7	47.8	17.5				
(WY)	1991	1986	1984	1993	1984	1993	1983	1984	1992	1984	1985	1995				
MIN	3.91	5.41	9.17	12.1	13.3	13.6	11.7	8.02	4.11	2.57	1.94	1.77				
(WY)	1984	1982	1992	1992	1986	1988	1986	1988	1988	1996	1996	1983				

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1981 - 1996

ANNUAL TOTAL	10500.5	9490.55	
ANNUAL MEAN	28.8	25.9	22.5
HIGHEST ANNUAL MEAN			37.5
LOWEST ANNUAL MEAN			11.2
HIGHEST DAILY MEAN	821	335	1000
LOWEST DAILY MEAN	4.0	.29	.29
ANNUAL SEVEN-DAY MINIMUM	4.5	.43	.43
INSTANTANEOUS PEAK FLOW		889	* 2100
INSTANTANEOUS PEAK STAGE		9.79	13.77
ANNUAL RUNOFF (CFSM)	1.19	1.08	.93
ANNUAL RUNOFF (INCHES)	16.21	14.65	12.67
10 PERCENT EXCEEDS	38	39	36
50 PERCENT EXCEEDS	18	20	13
90 PERCENT EXCEEDS	8.3	1.4	4.2

\* From rating curve extended above 500 ft<sup>3</sup>/s.

\*\* Also occurred on Aug. 25.

## 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.--April 1930 to current year. Monthly discharge only for some periods, published in WSP-1303.

GAGE.--Water-stage recorder. Datum of gage is 715.56 ft above sea level. From November 26, 1929 to November 24, 1933, recording gage at site about 400 ft downstream at datum 5.60 ft higher.

REMARKS.--No estimated daily discharges. Records good. Some diurnal fluctuation at low and medium flow caused by mill above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	199	195	179	303	233	385	253	151	106	138	118
2	170	284	192	198	623	233	328	224	149	102	130	122
3	166	297	190	238	1620	228	296	208	149	102	113	122
4	539	240	185	196	598	220	284	201	199	100	102	166
5	1690	215	183	181	382	219	270	200	162	96	256	167
6	1380	204	184	183	342	381	259	195	150	96	246	138
7	435	489	216	226	320	540	253	201	144	97	143	124
8	315	526	202	203	313	432	249	196	161	97	141	116
9	268	319	233	180	296	322	249	192	228	102	123	105
10	247	271	220	182	286	287	241	184	177	101	120	102
11	230	481	192	185	283	269	235	181	153	95	116	107
12	208	963	187	192	271	265	229	182	145	93	364	143
13	211	421	185	189	265	258	228	172	148	93	396	203
14	416	344	182	199	264	253	228	170	145	94	233	130
15	438	301	180	223	261	254	223	174	165	233	166	114
16	295	277	179	246	260	276	220	186	167	170	142	137
17	257	259	176	238	251	279	209	175	147	127	132	289
18	238	248	181	300	249	256	205	170	143	116	126	161
19	227	243	284	917	243	555	205	166	134	137	119	133
20	218	234	276	687	409	432	228	160	139	117	110	121
21	220	227	228	354	384	325	276	156	132	101	107	117
22	204	219	208	299	312	289	230	155	125	99	106	118
23	195	213	196	274	289	269	212	139	123	98	107	114
24	192	218	189	298	275	257	205	145	119	96	101	105
25	192	220	184	287	261	256	204	244	127	98	111	102
26	190	209	181	255	253	264	263	196	116	124	298	100
27	190	206	177	2120	249	249	274	218	110	119	185	101
28	221	203	175	1750	247	430	224	226	108	110	168	105
29	194	207	172	443	240	409	214	178	108	114	149	227
30	183	202	171	371	---	328	303	164	108	104	131	144
31	185	---	174	335	---	310	---	157	---	110	124	---
TOTAL	10287	8939	6077	12128	10349	9578	7429	5768	4332	3447	5003	4051
MEAN	332	298	196	391	357	309	248	186	144	111	161	135
MAX	1690	963	284	2120	1620	555	385	253	228	233	396	289
MIN	166	199	171	179	240	219	204	139	108	93	101	100
CFSM	2.86	2.57	1.69	3.37	3.08	2.66	2.13	1.60	1.24	.96	1.39	1.16
IN.	3.30	2.87	1.95	3.89	3.32	3.07	2.38	1.85	1.39	1.11	1.60	1.30

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

	MEAN	178	168	204	257	273	297	266	209	180	156	171	146
MAX	795	429	459	791	621	752	763	466	439	310	490	405	
(WY)	1965	1993	1962	1937	1960	1952	1936	1959	1961	1943	1940	1975	
MIN	35.1	56.8	65.7	66.6	95.5	100	91.5	82.8	59.1	46.1	38.9	34.1	
(WY)	1955	1932	1956	1956	1986	1955	1986	1988	1988	1986	1988	1954	

## SUMMARY STATISTICS FOR 1995 CALENDAR YEAR FOR 1996 WATER YEAR WATER YEARS 1930 - 1996

	ANNUAL TOTAL	103987	87388	209	
ANNUAL MEAN	285	239	340	1937	
HIGHEST ANNUAL MEAN			101	1988	
LOWEST ANNUAL MEAN			8110	Oct 5	1964
HIGHEST DAILY MEAN	5060	Aug 28	2120	Jan 27	
LOWEST DAILY MEAN	98	Aug 19	93	** Jul 12	
ANNUAL SEVEN-DAY MINIMUM	107	Aug 13	96	Jul 8	
INSTANTANEOUS PEAK FLOW			3740	Jan 27	
INSTANTANEOUS PEAK STAGE			13.22	Jan 27	
INSTANTANEOUS LOW FLOW			90	May 23	
ANNUAL RUNOFF (CFSM)	2.46	2.06	1.80		
ANNUAL RUNOFF (INCHES)	33.35	28.02	24.49		
10 PERCENT EXCEEDS	397	337	340		
50 PERCENT EXCEEDS	207	202	158		
90 PERCENT EXCEEDS	138	109	83		

\* From rating curve extended above 4,300 ft<sup>3</sup>/s on basis of computation of peak flow over dam 2.0 miles above station.

\*\* Also occurred on July 13.

## SANTEE RIVER BASIN

02154790 SOUTH PACOLET RIVER NEAR CAMPOBELLO, SC

LOCATION.--Lat 35°06'23'', long 83°07'47'', Spartanburg County, Hydrologic Unit 03050105, on downstream side of bridge on Alverson Road, 1.1 mi upstream of Lake William C. Bowen, and 1.3 mi southeast of Campobello.

DRAINAGE AREA.--55.4 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--January 1989 to current year.

GAGE.--Data collection platform. Elevation of gage is 825 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Oct. 6 - 16, Sept. 11 - 13, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	93	92	92	162	101	252	109	74	46	79	51
2	73	167	91	105	456	100	174	99	71	44	112	52
3	72	137	90	102	861	98	147	97	70	41	60	57
4	509	108	90	93	299	96	135	91	93	39	52	91
5	837	99	91	90	211	96	128	87	75	40	180	70
6	315	96	91	96	175	277	123	86	68	43	88	59
7	140	437	114	112	161	427	118	87	66	41	77	53
8	120	424	96	96	152	261	115	86	99	42	73	51
9	110	187	124	93	145	169	115	83	111	48	60	59
10	100	144	102	95	137	144	109	79	82	41	57	52
11	95	444	95	95	132	133	107	79	73	39	55	200
12	90	492	93	100	124	126	106	77	69	38	318	110
13	85	217	92	99	119	120	108	73	67	37	193	90
14	400	167	92	107	118	116	108	72	71	37	127	57
15	180	142	91	116	115	121	103	77	166	127	89	53
16	130	129	91	119	113	126	100	78	76	74	76	184
17	112	122	89	113	110	130	96	75	69	55	69	228
18	105	116	96	148	109	163	95	71	65	52	63	97
19	100	113	145	579	106	433	96	69	70	49	59	79
20	98	109	122	250	222	237	118	67	71	45	56	71
21	98	105	105	171	162	167	126	65	63	44	53	67
22	93	101	99	144	133	144	105	63	59	44	52	69
23	91	99	96	132	124	132	99	59	55	43	50	60
24	90	104	94	150	117	125	95	59	54	43	58	57
25	89	102	93	132	111	129	92	88	54	46	58	55
26	88	98	92	128	109	126	155	96	51	53	123	54
27	91	96	90	1460	108	121	120	109	50	46	74	54
28	99	96	89	440	108	239	102	128	49	48	68	65
29	88	97	88	273	103	183	99	104	48	46	61	82
30	86	93	88	221	---	150	151	102	46	43	56	65
31	90	---	89	188	---	155	---	80	---	57	53	---
TOTAL	4748	4934	3010	6139	5102	5145	3597	2595	2135	1491	2649	2392
MEAN	153	164	97.1	198	176	166	120	83.7	71.2	48.1	85.5	79.7
MAX	837	492	145	1460	861	433	252	128	166	127	318	228
MIN	72	93	88	90	103	96	92	59	46	37	50	51
CFSM	2.76	2.97	1.75	3.57	3.18	3.00	2.16	1.51	1.28	.87	1.54	1.44
IN.	3.19	3.31	2.02	4.12	3.43	3.45	2.42	1.74	1.43	1.00	1.78	1.61

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

	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	106	107	99.5	156	143	160	117	101
MAX	153	253	184	268	248	308	189	175
(WY)	1996	1993	1993	1993	1990	1993	1993	1992
MIN	33.7	52.4	59.5	65.2	61.1	104	55.1	57.7
(WY)	1994	1994	1994	1992	1989	1989	1989	1994

## SUMMARY STATISTICS FOR 1995 CALENDAR YEAR FOR 1996 WATER YEAR WATER YEARS 1989 - 1996

	1995 CALENDAR YEAR	1996 WATER YEAR	1989 - 1996
ANNUAL TOTAL	49205	43937	
ANNUAL MEAN	135	120	114
HIGHEST ANNUAL MEAN			157
LOWEST ANNUAL MEAN			84.0
HIGHEST DAILY MEAN	3500	1460	3500
LOWEST DAILY MEAN	41	37	25
ANNUAL SEVEN-DAY MINIMUM	44	40	26
INSTANTANEOUS PEAK FLOW		2280	5170
INSTANTANEOUS PEAK STAGE		9.46	11.33
ANNUAL RUNOFF (CFSM)	2.43	2.17	2.05
ANNUAL RUNOFF (INCHES)	33.04	29.50	27.89
10 PERCENT EXCEEDS	181	180	180
50 PERCENT EXCEEDS	93	96	77
90 PERCENT EXCEEDS	60	52	44

\* Also occurred on Aug. 20, 1990, Sept. 29, 30, 1993.

\*\* Also occurred on Aug. 19.

\*\*\* Also occurred on July 14.

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.--December 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 above sea level.

REMARKS.--Records good except for estimated daily discharges, Feb. 20 to Mar. 11, which are fair. Some regulation by South Pacolet River Reservoir and Lake William C. Bowen (02154950). Some diurnal fluctuation caused by mill on North Pacolet River. About 56 ft<sup>3</sup>/s per day diverted from South Pacolet River above station for City of Spartanburg water supply during water year.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	406	373	278	611	380	701	305	212	115	151	188
2	183	449	368	298	1120	390	620	258	199	113	142	199
3	261	468	366	326	3050	365	583	279	199	114	128	254
4	1080	395	373	310	1450	385	521	320	248	111	117	515
5	2330	368	369	311	868	415	456	304	217	106	324	520
6	1890	357	369	322	562	635	418	291	197	109	517	311
7	1040	758	424	466	485	1090	409	300	167	111	349	193
8	577	892	352	431	474	915	375	296	229	111	248	183
9	482	493	487	351	460	585	245	290	294	116	137	175
10	455	423	375	322	655	500	237	266	262	115	134	172
11	433	729	403	326	625	470	232	247	233	107	156	222
12	384	1320	461	336	556	444	228	230	171	106	667	248
13	360	921	417	334	497	374	229	219	151	107	727	291
14	792	642	386	356	463	379	229	218	149	106	488	238
15	719	562	384	395	442	449	265	223	211	247	295	221
16	401	444	350	423	433	489	413	209	243	188	154	246
17	337	425	282	416	421	460	270	205	240	141	144	442
18	324	413	254	502	414	435	289	213	215	130	138	283
19	339	405	368	1330	412	898	297	207	199	148	133	236
20	294	399	358	1010	562	962	331	202	208	131	125	197
21	375	385	311	504	702	698	404	199	174	117	122	158
22	389	367	298	439	560	555	352	196	133	115	121	247
23	347	360	301	419	460	538	334	170	129	113	123	242
24	432	364	297	487	435	436	313	150	125	112	117	223
25	318	366	266	498	435	388	290	245	133	114	162	190
26	302	357	250	462	405	416	350	228	124	136	457	189
27	377	349	254	2390	400	397	416	340	123	133	326	241
28	457	344	251	2150	400	627	440	437	118	125	291	352
29	316	400	247	872	385	603	521	425	118	129	250	428
30	289	405	261	703	---	503	404	359	117	120	194	285
31	321	---	273	655	---	582	---	262	---	125	185	---
TOTAL	16784	14966	10528	18422	18742	16763	11172	8093	5538	3871	7622	7889
MEAN	541	499	340	594	646	541	372	261	185	125	246	263
MAX	2330	1320	487	2390	3050	1090	701	437	294	247	727	520
MIN	180	344	247	278	385	365	228	150	117	106	117	158
CFSM	2.55	2.35	1.60	2.80	3.05	2.55	1.76	1.23	.87	.59	1.16	1.24
IN.	2.95	2.63	1.85	3.23	3.29	2.94	1.96	1.42	.97	.68	1.34	1.38

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

	MEAN	290	275	345	412	448	491	446	343	289	250	270	229
MAX	1313	784	733	1203	940	1324	1249	816	647	486	846	763	
(WY)	1965	1993	1984	1937	1990	1952	1936	1959	1961	1945	1940	1975	
MIN	42.2	83.6	106	107	129	153	127	107	86.8	47.7	59.0	51.0	
(WY)	1955	1982	1956	1956	1986	1988	1986	1988	1988	1986	1988	1954	

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1930 - 1996
ANNUAL TOTAL	161376	140390	
ANNUAL MEAN	442	384	341
HIGHEST ANNUAL MEAN			535
LOWEST ANNUAL MEAN			140
HIGHEST DAILY MEAN	8570	Aug 28	3050 Feb 3
LOWEST DAILY MEAN	107	Aug 19	106 *** Jul 5
ANNUAL SEVEN-DAY MINIMUM	114	Aug 13	110 Jul 8
INSTANTANEOUS PEAK FLOW			4090 Jan 27
INSTANTANEOUS PEAK STAGE			6.71 Jan 27
ANNUAL RUNOFF (CFSM)	2.09		1.81
ANNUAL RUNOFF (INCHES)	28.32		24.63
10 PERCENT EXCEEDS	645		621
50 PERCENT EXCEEDS	337		334
90 PERCENT EXCEEDS	150		129
			22800
			22.43
			1.61
			21.87
			574
			254
			118

\* Also occurred on Oct. 7, 1954.

\*\* From rating curve extended above 9,600 ft<sup>3</sup>/s by velocity-area studies.

\*\*\* Also occurred on July 12, 14.



## SANTEE RIVER BASIN

021556525 PACOLET RIVER BELOW LAKE BLALOCK NEAR COWPENS, SC

LOCATION.--Lat 35°03'07'', long 81°51'44'', Spartanburg County, Hydrologic Unit 03050105, on left bank, 0.1 mi downstream of Lake Blalock Dam, and 4.2 mi northwest of Cowpens, S.C.

DRAINAGE AREA.--273 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1993 to current year.

GAGE.--Data collection platform. Elevation of gage is 660 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	222	443	454	369	702	452	918	440	327	203	190	246
2	231	549	446	383	1320	468	775	387	311	201	191	247
3	261	595	441	407	3850	432	711	355	308	198	191	277
4	784	498	445	387	2030	457	648	389	308	194	192	445
5	2750	453	445	389	1040	495	572	394	308	193	192	574
6	2400	436	444	398	746	743	523	383	308	193	199	432
7	1160	969	494	521	597	1250	507	382	307	193	207	290
8	751	1360	469	505	572	1060	495	379	307	192	211	257
9	554	716	536	453	555	686	411	376	319	191	211	243
10	507	545	512	408	632	593	364	363	341	192	211	237
11	483	810	455	405	712	556	347	349	334	194	211	248
12	460	1510	521	419	636	534	343	337	319	189	226	277
13	445	1060	507	415	575	480	348	315	311	189	633	303
14	1150	834	473	424	543	454	359	311	309	190	551	299
15	1180	670	463	463	523	499	350	308	309	190	422	278
16	600	554	455	492	511	578	413	309	309	190	270	284
17	458	512	390	499	493	555	437	308	310	191	241	459
18	415	496	366	524	487	542	380	308	310	193	247	374
19	412	488	423	1310	482	1060	390	308	309	193	230	304
20	404	480	474	1310	661	1140	424	307	308	193	224	279
21	383	474	409	685	821	842	499	307	308	193	224	240
22	462	448	394	548	656	664	464	307	306	193	223	263
23	400	441	387	505	542	609	437	305	302	192	221	281
24	470	466	385	537	515	558	415	303	297	192	221	280
25	414	463	375	580	514	483	389	302	292	191	220	259
26	378	445	343	539	481	501	434	303	288	190	223	247
27	405	435	344	2950	474	487	510	304	245	190	306	247
28	507	429	342	2960	476	675	473	319	205	191	353	334
29	425	452	337	1100	459	770	591	434	203	190	325	436
30	363	481	340	868	---	615	540	453	203	192	279	374
31	382	---	355	760	---	664	---	380	---	191	253	---
TOTAL	20216	18512	13224	22513	22605	19902	14467	10725	8921	5967	8098	9314
MEAN	652	617	427	726	779	642	482	346	297	192	261	310
MAX	2750	1510	536	2960	3850	1250	918	453	341	203	633	574
MIN	222	429	337	369	459	432	343	302	203	189	190	237
CFSM	2.39	2.26	1.56	2.66	2.86	2.35	1.77	1.27	1.09	.71	.96	1.14
IN.	2.75	2.52	1.80	3.07	3.08	2.71	1.97	1.46	1.22	.81	1.10	1.27

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

	MEAN	374	410	678	657	573	399	290	303	274	705	335
MAX	652	617	549	982	779	642	482	346	363	394	991	393
(WY)	1996	1996	1995	1995	1996	1996	1996	1996	1995	1994	1995	1995
MIN	426	170	253	326	424	524	352	191	248	192	261	302
(WY)	1995	1994	1994	1994	1994	1994	1994	1994	1994	1996	1996	1994

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1994 - 1996

ANNUAL TOTAL	202805	174464	500
ANNUAL MEAN	556	477	524
HIGHEST ANNUAL MEAN			477
LOWEST ANNUAL MEAN			1995
HIGHEST DAILY MEAN	11000	Aug 28	11000
LOWEST DAILY MEAN	152	Jul 19	133
ANNUAL SEVEN-DAY MINIMUM	162	Jul 14	134
INSTANTANEOUS PEAK FLOW			Nov 1 1993
INSTANTANEOUS PEAK STAGE			Nov 1 1993
ANNUAL RUNOFF (CFSM)	2.04		Aug 28 1995
ANNUAL RUNOFF (INCHES)	27.63		Aug 28 1995
10 PERCENT EXCEEDS	756		17.10
50 PERCENT EXCEEDS	412		1.83
90 PERCENT EXCEEDS	203		24.89

\* On basis of computation of peak flow over dam.

\*\* From floodmark.

\*\*\* Also occurred on July 13.

## SANTEE RIVER BASIN

02156050 LAWSONS FORK CREEK AT DEWEY PLANT NEAR INMAN, SC

LOCATION.--Lat 35°01'26'' (revised), long 82°04'03'' (revised), 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 Meadow Creek.

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

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

GAGE.--Data collection platform. Elevation of gage is 838 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	7.6	8.3	8.0	12	9.4	19	8.5	8.5	4.4	5.9	4.7
2	4.7	21	8.0	9.0	88	9.3	13	8.0	8.1	4.4	17	5.4
3	4.7	12	7.9	8.2	71	9.1	11	7.8	7.9	4.3	6.6	5.9
4	27	10	7.9	7.7	16	9.0	10	7.7	9.0	4.3	5.5	16
5	30	9.0	7.7	7.4	14	9.0	9.6	7.5	8.3	4.4	25	6.4
6	11	8.9	7.7	8.9	13	37	9.3	7.5	7.8	4.4	7.3	5.7
7	8.5	63	12	11	12	59	9.0	7.9	7.6	4.2	5.7	5.3
8	7.4	19	8.6	8.9	12	17	8.7	8.0	10	4.3	5.3	5.1
9	6.9	12	14	8.9	11	13	8.7	7.6	9.4	4.3	5.6	4.9
10	6.7	11	9.4	9.4	11	12	8.4	7.5	8.0	4.0	5.8	4.8
11	6.4	81	8.8	9.0	11	11	8.3	7.8	7.9	3.8	6.2	19
12	6.4	21	8.6	9.8	11	11	8.1	7.5	7.6	3.7	31	6.5
13	8.0	12	8.6	10	11	11	9.3	7.3	7.4	3.6	9.7	5.6
14	52	11	8.4	11	11	10	9.0	7.2	7.2	3.9	6.9	5.2
15	14	10	8.2	11	11	12	8.3	7.7	8.4	6.8	6.2	4.9
16	9.6	9.7	7.8	11	11	14	8.1	7.4	7.1	5.0	5.8	10
17	8.3	9.5	7.2	11	10	15	7.9	7.1	6.8	4.3	5.6	19
18	7.8	9.2	8.5	14	10	21	7.8	6.7	6.4	4.1	5.4	6.9
19	7.5	9.1	12	29	10	115	8.2	6.6	6.0	3.8	5.2	6.2
20	7.4	8.6	9.3	12	21	15	11	6.7	5.9	3.6	5.0	5.8
21	7.3	8.6	8.5	11	14	11	9.4	6.6	5.7	3.5	4.7	6.4
22	6.8	8.5	8.2	9.9	12	9.9	8.1	6.4	5.7	3.4	4.6	6.2
23	6.8	8.6	7.8	9.6	11	9.2	7.8	6.3	5.4	3.8	4.3	5.7
24	6.9	11	7.4	11	11	8.9	7.6	10	5.3	4.1	4.2	5.5
25	6.9	9.2	7.2	9.4	10	9.5	7.4	25	5.2	5.5	8.4	5.4
26	6.8	8.6	7.2	9.4	10	8.8	20	14	4.9	6.5	12	5.2
27	7.9	8.7	7.2	156	9.8	8.9	9.6	11	4.9	5.3	5.9	5.1
28	8.0	8.7	7.2	17	9.9	19	8.2	12	4.9	4.8	5.6	6.3
29	7.0	8.6	7.1	13	9.7	12	8.3	30	4.7	4.2	5.1	5.9
30	6.9	8.4	7.2	13	---	11	12	13	4.7	4.1	4.9	6.3
31	7.9	---	7.4	13	---	16	---	9.3	---	4.2	4.9	---
TOTAL	318.6	443.5	261.3	487.5	474.4	543.0	291.1	293.6	206.7	135.0	241.3	211.3
MEAN	10.3	14.8	8.43	15.7	16.4	17.5	9.70	9.47	6.89	4.35	7.78	7.04
MAX	52	81	14	156	88	115	20	30	10	6.8	31	19
MIN	4.7	7.6	7.1	7.4	9.7	8.8	7.4	6.3	4.7	3.4	4.2	4.7
CFSM	1.59	2.29	1.30	2.43	2.53	2.71	1.50	1.47	1.07	.67	1.20	1.09
IN.	1.83	2.55	1.50	2.81	2.73	3.13	1.68	1.69	1.19	.78	1.39	1.22

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

	MEAN	20.5	19.3	18.2	12.4	12.9	14.2	10.3	9.65	8.02	6.32	8.17	5.52
MAX	20.5	19.3	18.2	28.3	23.8	33.7	17.0	20.3	14.2	12.3	28.0	9.13	
(WY)	1993	1993	1984	1993	1990	1993	1983	1984	1989	1984	1994	1980	
MIN	3.30	3.89	5.00	5.22	6.53	7.15	4.87	4.65	4.02	1.61	2.40	3.27	
(WY)	1988	1982	1989	1981	1988	1981	1986	1986	1986	1986	1988	1985	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1980 - 1996

ANNUAL TOTAL	4114.4	3907.3	9.61
ANNUAL MEAN	11.3	10.7	15.2
HIGHEST ANNUAL MEAN			5.69
LOWEST ANNUAL MEAN			1993
HIGHEST DAILY MEAN	370	Aug 27	370
LOWEST DAILY MEAN	3.0 *	Aug 16	1.98
ANNUAL SEVEN-DAY MINIMUM	3.2	Aug 13	1.2
INSTANTANEOUS PEAK FLOW			563
INSTANTANEOUS PEAK STAGE			7.86
INSTANTANEOUS LOW FLOW			.98
ANNUAL RUNOFF (CFSM)	1.74		1.49
ANNUAL RUNOFF (INCHES)	23.69		20.22
10 PERCENT EXCEEDS	13		15
50 PERCENT EXCEEDS	7.9		7.2
90 PERCENT EXCEEDS	4.7		3.6

\* Also occurred on Aug. 18.

\*\* Also occurred on July 22.

SANTEE RIVER BASIN

113

02156301 LAWSONS FORK CREEK AT TREATMENT PLANT AT SPARTANBURG, SC

LOCATION.--Lat 34°56'38'', long 81°51'33'', Spartanburg County, Hydrologic Unit 03050105, on upstream side of footbridge, 40 ft downstream of effluent from Spartanburg Sewage Treatment Plant, 0.9 mi downstream from bridge on County Road 748, and 4.0 mi east of Spartanburg U.S. Post Office.

DRAINAGE AREA.--75.6 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1989 to current year.

GAGE.--Data collection platform. Elevation of gage is 610 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Oct. 22, 23, 25 - 30, Dec. 1, 2, May 31 to June 25, July 16, 17, Aug. 2 - 6, 12, 13, Sept. 4, 5, 26, 27, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	107	112	120	164	112	451	137	120	66	74	56
2	66	477	112	132	660	113	268	121	110	68	190	62
3	65	246	110	128	1100	109	188	114	100	65	90	68
4	388	152	109	114	331	106	166	109	135	62	70	220
5	738	125	110	109	227	106	153	105	110	58	300	120
6	267	114	110	116	186	612	146	104	100	58	160	88
7	152	549	172	173	171	809	140	105	110	58	96	77
8	119	513	135	139	163	405	135	106	162	57	81	73
9	106	205	200	134	157	218	135	103	196	67	77	70
10	98	161	145	143	156	175	127	99	120	64	73	69
11	92	550	127	144	147	155	124	99	110	61	78	104
12	89	547	121	147	136	145	122	100	100	60	450	93
13	108	224	118	150	131	138	154	92	95	60	300	83
14	548	180	118	155	130	133	161	92	90	58	152	69
15	477	155	118	158	126	143	129	96	544	93	102	65
16	179	141	117	153	126	159	123	99	150	80	90	85
17	135	134	114	144	124	201	117	95	100	70	82	289
18	117	131	121	159	119	290	116	90	95	65	136	105
19	108	126	181	446	117	878	121	87	88	58	86	83
20	103	121	150	225	304	373	151	84	86	55	79	75
21	100	118	128	176	212	219	168	82	85	52	75	98
22	95	113	121	156	152	177	130	80	85	52	73	100
23	92	111	117	143	142	158	123	77	82	55	69	77
24	90	161	114	160	135	147	119	75	82	58	68	71
25	92	150	111	147	125	147	115	401	81	83	72	70
26	92	124	111	133	122	148	247	141	79	100	123	70
27	220	119	111	1220	120	139	185	147	78	72	79	72
28	150	118	110	435	120	342	132	138	78	67	71	77
29	95	119	109	241	116	227	127	125	75	61	63	84
30	90	114	108	208	---	172	225	257	72	58	60	146
31	102	---	111	187	---	179	---	130	---	61	57	---
TOTAL	5239	6205	3851	6395	6019	7435	4798	3690	3518	2002	3576	2819
MEAN	169	207	124	206	208	240	160	119	117	64.6	115	94.0
MAX	738	550	200	1220	1100	878	451	401	544	100	450	289
MIN	65	107	108	109	116	106	115	75	72	52	57	56
CFSM	2.24	2.74	1.64	2.73	2.75	3.17	2.12	1.57	1.55	.85	1.53	1.24
IN.	2.58	3.05	1.89	3.15	2.96	3.66	2.36	1.82	1.73	.99	1.76	1.39

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

	1989	1990	1991	1992	1993	1994	1995	1996	1989 - 1996
MEAN	140	132	127	190	181	211	159	123	87.4
MAX	232	285	204	325	253	383	270	245	122
(WY)	1993	1993	1993	1993	1990	1993	1991	1994	1994
MIN	48.2	67.1	83.6	93.5	108	139	98.4	66.0	62.0
(WY)	1994	1992	1992	1991	1992	1995	1994	1990	1996

SUMMARY STATISTICS FOR 1995 CALENDAR YEAR FOR 1996 WATER YEAR WATER YEARS 1989 - 1996

	1995 CALENDAR YEAR	1996 WATER YEAR	1989 - 1996
ANNUAL TOTAL	54299	55547	139
ANNUAL MEAN	149	152	189
HIGHEST ANNUAL MEAN			98.0
LOWEST ANNUAL MEAN			1992
HIGHEST DAILY MEAN	2000	1220	2000
LOWEST DAILY MEAN	49	52	33
ANNUAL SEVEN-DAY MINIMUM	53	56	36
INSTANTANEOUS PEAK FLOW		1550	2360
INSTANTANEOUS PEAK STAGE		10.25	12.51
ANNUAL RUNOFF (CFSM)	1.97	2.01	1.84
ANNUAL RUNOFF (INCHES)	26.72	27.33	24.97
10 PERCENT EXCEEDS	218	231	224
50 PERCENT EXCEEDS	110	118	95
90 PERCENT EXCEEDS	69	69	58

\* Also occurred on July 22.

SANTEE RIVER BASIN  
02156409 BROAD RIVER NEAR LOCKHART, SC

LOCATION.--Lat 34°43'56'', long 81°29'21'', Union County, Hydrologic Unit 03050106, on the right bank 10 ft upstream of the intake for the City of Union municipal supply, 0.9 mi upstream of Browns Creek, 4.0 mi southwest of Lockhart, 6.4 mi upstream of Neals Shoals Rowerplant, and at mile 239.2.

DRAINAGE AREA.--2,720 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Data Collection Platform. Elevation of gage is 338 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Nov. 5, 8 - 13, Jan. 20 - 22, Feb. 5, Mar. 1 8 - 11, 31, Apr. 9, July 17, 18, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2210	2800	3690	2800	7530	4720	7590	6930	2750	1580	1840	2360
2	2450	4720	3640	3000	9340	4190	8550	4930	2920	1620	2160	3030
3	2390	8200	3980	3300	32400	4150	6380	4110	2630	1610	2590	2380
4	2830	5400	3360	3290	27400	4470	5350	3360	3020	1980	2170	3610
5	11500	3720	2720	2910	12200	4150	4990	3700	3350	1960	1780	4290
6	21800	3160	3180	3030	8650	7930	4480	3480	3210	2220	2830	7600
7	13400	3040	3550	3400	7250	16700	4430	3080	2830	2290	2620	5440
8	6650	16500	3740	3970	6780	16700	3960	3540	2530	1720	2480	2610
9	5090	11000	3540	4010	6700	8840	4480	3450	4310	2450	2330	2070
10	3880	6200	4280	3610	6200	6660	4080	3080	5220	2070	2730	2110
11	3470	6400	3260	2850	6370	5900	3880	3210	4270	2240	1810	2430
12	3140	18000	3280	3550	6040	5360	3800	3230	2930	1920	2970	2650
13	2820	11000	3310	3130	5840	5150	3660	3500	2830	1480	5160	2380
14	3260	7200	3000	3170	5650	4890	4050	2430	3080	1710	6650	2220
15	11300	5780	2880	3630	5070	5490	3990	3450	3320	2210	4600	2280
16	7470	4940	2810	4210	4970	5120	3530	3210	4310	3050	3050	2000
17	4310	4230	2750	4550	5190	5650	3680	3280	3630	2510	2340	2660
18	3430	3940	2910	4410	5010	5850	3720	3220	2760	2000	2080	3330
19	2990	3570	3030	10000	4820	8010	3530	2680	2460	2150	2240	2240
20	3020	3620	3670	19200	4660	12700	3920	2740	3530	1330	2370	1990
21	2620	3370	3310	9620	6760	8760	3650	3060	3100	2080	2220	1860
22	2860	3400	3370	7310	6710	6800	4010	2700	2340	1920	2090	2250
23	2630	3450	3050	6320	6110	5980	3420	2550	2280	2120	2710	2050
24	2250	3690	3090	5570	5700	5540	4030	2700	2690	1610	2000	2270
25	3090	4670	2890	5310	5240	5410	3400	4380	2170	1900	2320	2190
26	2390	4280	2890	5220	5190	5150	3730	3940	1730	2250	2290	2050
27	2310	3610	2430	14500	5250	5220	4180	3440	2540	2180	3250	1790
28	5940	3090	2840	34100	4610	5560	4330	3020	2040	1840	3310	2120
29	4660	3810	3010	19700	5320	7970	3850	4240	1820	1690	3000	2300
30	3160	3740	3240	9600	---	7110	8340	5370	1820	2010	2960	3810
31	2820	---	2530	8160	---	6170	---	3750	---	1690	2490	---
TOTAL	152140	170530	99230	217430	228960	212300	134990	109760	88420	61390	85440	82370
MEAN	4908	5684	3201	7014	7895	6848	4500	3541	2947	1980	2756	2746
MAX	21800	18000	4280	34100	32400	16700	8550	6930	5220	3050	6650	7600
MIN	2210	2800	2430	2800	4610	4150	3400	2430	1730	1330	1780	1790
CFSM	1.80	2.09	1.18	2.58	2.90	2.52	1.65	1.30	1.08	.73	1.01	1.01
IN.	2.08	2.33	1.36	2.97	3.13	2.90	1.85	1.50	1.21	.84	1.17	1.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

MEAN	3674	4469	3681	7257	6267	7311	4617	3303	3271	2188	4009	2414
MAX	5338	8018	5731	9537	7895	11980	7479	4899	4117	2765	6139	2930
(WY)	1993	1993	1993	1993	1996	1993	1993	1993	1995	1994	1994	1995
MIN	1579	1742	2037	3461	3980	4796	2575	2293	2720	1895	1855	1583
(WY)	1994	1994	1994	1994	1994	1995	1995	1994	1993	1993	1993	1993

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1993 - 1996

ANNUAL TOTAL	1652540	1642960	4365	
ANNUAL MEAN	4528	4489	5569	1993
HIGHEST ANNUAL MEAN			3268	1994
LOWEST ANNUAL MEAN			57600	Jan 16 1995
HIGHEST DAILY MEAN	57600	Jan 16	913	Sep 1 1993
LOWEST DAILY MEAN	1140	Aug 15	1240	Sep 11 1993
ANNUAL SEVEN-DAY MINIMUM	1460	Aug 14	59300	Jan 16 1995
INSTANTANEOUS PEAK FLOW			19.94	Feb 3
INSTANTANEOUS PEAK STAGE			19.94	Feb 3
INSTANTANEOUS LOW FLOW			914	Jul 20
ANNUAL RUNOFF (CFSM)	1.66	1.65	555	Nov 10 1993
ANNUAL RUNOFF (INCHES)	22.60	22.47	1.60	
10 PERCENT EXCEEDS	6880	7360	7710	
50 PERCENT EXCEEDS	3090	3420	3000	
90 PERCENT EXCEEDS	1890	2090	1750	

\* From rating curve extended above 27000 ft<sup>3</sup>/s.



## SANTÉE RIVER BASIN

02156450 NEALS CREEK NEAR CARLISLE, SC

LOCATION.--Lat 34°39'53'', long 81°27'28'', Union County, Hydrologic Unit 03050106, at center span, downstream side of bridge on County Road 86, 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 September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 320 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	11	12	9.7	19	9.9	22	39	5.6	2.1	2.6	2.8
2	1.5	31	10	11	265	10	19	23	5.3	2.1	2.5	5.3
3	1.5	29	9.7	18	182	9.3	16	17	5.1	2.1	2.2	5.7
4	59	18	9.4	11	57	8.9	15	14	5.1	2.1	2.2	8.7
5	46	13	8.9	9.2	29	8.9	14	12	4.9	2.2	2.4	4.8
6	13	12	9.0	9.4	22	123	16	10	4.4	2.2	2.5	3.9
7	6.1	41	11	28	20	167	15	9.2	4.6	2.0	2.1	3.5
8	4.2	48	9.1	21	18	61	13	9.0	11	2.1	2.0	6.4
9	3.4	24	16	17	17	33	12	8.2	14	2.0	2.0	4.0
10	3.1	18	12	18	14	25	11	7.5	6.2	1.9	2.0	3.9
11	3.1	198	9.8	17	13	21	11	8.2	4.8	1.9	2.1	4.0
12	3.0	81	9.4	19	12	20	11	7.3	4.3	2.1	3.9	3.5
13	4.1	30	9.0	16	11	17	11	6.3	4.3	2.1	5.4	3.4
14	14	21	8.6	14	12	16	11	6.2	4.0	2.0	5.8	3.1
15	20	14	8.5	13	13	15	11	6.3	3.9	6.1	3.1	3.0
16	8.0	11	8.0	11	12	15	11	6.3	3.7	3.4	2.6	4.5
17	5.6	9.2	7.3	11	12	14	9.8	6.0	3.5	2.8	2.5	6.0
18	5.2	8.2	7.9	11	11	13	9.6	5.6	3.3	2.5	2.5	3.1
19	4.9	7.2	14	55	11	43	11	5.3	3.2	2.1	2.4	2.9
20	4.9	6.6	13	32	18	28	13	4.7	3.3	2.0	2.6	3.0
21	4.8	6.2	9.7	22	14	20	13	4.4	3.3	2.5	2.6	3.2
22	4.5	5.8	8.5	18	13	17	11	4.2	2.9	2.4	2.6	3.5
23	4.5	5.4	8.1	16	12	15	10	4.1	2.9	2.8	2.6	3.0
24	4.6	38	7.8	17	11	14	9.6	4.2	2.9	3.6	3.0	3.1
25	4.6	48	8.0	14	10	15	9.2	27	2.5	3.4	3.2	3.0
26	4.6	25	7.6	12	11	14	18	9.2	2.3	3.8	3.1	3.0
27	14	17	7.9	180	11	14	15	6.3	2.3	2.8	3.5	3.1
28	45	15	7.4	55	11	28	12	7.4	2.3	2.6	4.5	4.1
29	14	15	7.7	33	10	23	22	7.7	2.3	2.4	2.4	4.6
30	9.5	13	7.5	25	---	19	137	14	2.3	2.3	2.9	91
31	11	---	8.7	24	---	18	---	6.6	---	2.3	2.9	---
TOTAL	333.3	819.6	291.5	767.3	871	855.0	519.2	306.2	130.5	78.7	88.7	207.1
MEAN	10.8	27.3	9.40	24.8	30.0	27.6	17.3	9.88	4.35	2.54	2.86	6.90
MAX	59	198	16	180	265	167	137	39	14	6.1	5.8	91
MIN	1.5	5.4	7.3	9.2	10	8.9	9.2	4.1	2.3	1.9	2.0	2.8
CFSM	.87	2.22	.76	2.01	2.44	2.24	1.41	.80	.35	.21	.23	.56
IN.	1.01	2.48	.88	2.32	2.63	2.59	1.57	.93	.39	.24	.27	.63

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1996, BY WATER YEAR (WY)

	MEAN	7.99	10.5	12.2	21.3	24.8	24.6	13.1	8.67	4.72	3.02	4.80	2.86
MAX	27.3	33.8	31.4	37.8	47.6	48.5	24.6	29.8	11.0	5.88	12.8	7.41	
(WY)	1990	1986	1990	1993	1990	1983	1991	1984	1982	1989	1991	1987	
MIN	1.46	2.69	3.44	4.63	7.06	7.31	4.69	2.86	2.08	1.26	.87	.82	
(WY)	1994	1992	1989	1989	1986	1985	1985	1985	1990	1988	1987	1993	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1981 - 1996

ANNUAL TOTAL	4541.06	5268.1	
ANNUAL MEAN	12.4	14.4	11.5
HIGHEST ANNUAL MEAN			17.7
LOWEST ANNUAL MEAN			5.66
HIGHEST DAILY MEAN	200	Jan 15	345
LOWEST DAILY MEAN	.60	Aug 18	.27
ANNUAL SEVEN-DAY MINIMUM	.67	Aug 12	.54
INSTANTANEOUS PEAK FLOW			1090
INSTANTANEOUS PEAK STAGE			* 11.68
INSTANTANEOUS LOW FLOW			.24 **
ANNUAL RUNOFF (CFSM)	1.01		.93
ANNUAL RUNOFF (INCHES)	13.73		12.68
10 PERCENT EXCEEDS	28		23
50 PERCENT EXCEEDS	5.5		5.0
90 PERCENT EXCEEDS	1.4		1.5

\* Caused by backwater from the Broad River.

\*\* Also occurred on Aug. 30, 31, 1987.

\*\*\* Also occurred on Oct. 3.

\*\*\*\* Also occurred on Oct. 3, 4.



SANTEE RIVER BASIN  
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.--Data collection platform. Datum of gage is 290.79 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2160	3090	3420	2440	6720	4030	6470	7800	2830	1690	1800	1700
2	2170	3980	3320	2870	8540	3900	8260	5320	2700	1810	1660	2310
3	2230	7910	3520	3310	30000	3440	6310	4070	2510	1390	2040	2530
4	3340	6780	3610	3820	30600	3520	5510	3440	2880	1530	2010	2940
5	9960	4560	3180	3190	13200	3390	5130	3590	2440	1500	1710	4500
6	20400	3560	3170	3240	8110	6360	4700	3400	3200	1450	1980	6790
7	15800	3200	3410	3340	6560	16400	4570	3100	2460	1790	2960	6470
8	7310	14600	3480	3710	5960	17300	3950	3480	2500	1380	2070	2770
9	5530	11500	3850	4070	5890	9090	4310	3520	3860	1670	1820	2150
10	4480	6460	3970	4030	5440	6220	4340	2570	4840	1590	2150	2150
11	3990	7350	4280	3280	5530	5330	3970	3130	4160	2240	1820	2000
12	3560	17800	3520	3690	5360	4780	3730	3070	3070	1690	2280	2350
13	3100	13300	3730	3360	5010	4570	3670	3190	2630	1680	4150	2390
14	3430	7920	3600	3510	5080	4000	3910	2450	2850	1400	6860	2300
15	9490	6310	3280	3270	4850	4250	4080	2900	3110	1470	4740	2300
16	9170	5460	3370	3590	4560	4390	3810	3000	3460	2700	2990	1680
17	5570	4690	3070	4340	4570	4460	3650	3160	3250	2320	2100	2540
18	4250	4320	3060	4390	4670	4970	3780	3050	3020	1930	2080	3300
19	3600	3960	3390	8190	4650	7040	3540	2520	2290	1850	1960	2310
20	3500	3780	3570	19700	4340	12200	3880	2770	2720	1610	2000	2020
21	3510	3660	3850	11200	5140	8750	3790	2380	3120	1380	1990	1760
22	3250	3590	3440	7330	5940	6380	3910	2890	2410	1850	1850	1910
23	3220	3700	3460	6110	5250	5430	3490	2320	2130	1410	1740	1830
24	2810	3680	3330	5440	4830	4820	3690	2320	2240	1650	1620	1810
25	2870	4490	3250	5020	4530	4750	3360	3980	2440	1470	2180	1800
26	3150	4540	3060	4990	4240	4490	3670	4100	1480	2020	1750	2010
27	2910	3970	2870	11600	4200	4660	4000	3520	2030	2040	2670	1790
28	4660	3570	2760	29700	4010	4590	4240	2660	2200	1880	3330	1750
29	6300	3340	3010	24200	3970	7120	3570	3260	2240	1360	2710	2080
30	4060	3630	3110	9170	---	6630	9480	5140	2110	1780	2570	3520
31	3270	---	3350	7510	---	5650	---	3850	---	1570	2540	---
TOTAL	163050	178700	105290	213610	211750	192910	134770	105950	83180	53100	76130	77760
MEAN	5260	5957	3396	6891	7302	6223	4492	3418	2773	1713	2456	2592
MAX	20400	17800	4280	29700	30600	17300	9480	7800	4840	2700	6860	6790
MIN	2160	3090	2760	2440	3970	3390	3360	2320	1480	1360	1620	1680
CFSM	1.89	2.14	1.22	2.47	2.62	2.23	1.61	1.22	.99	.61	.88	.93
IN.	2.17	2.38	1.40	2.85	2.82	2.57	1.80	1.41	1.11	.71	1.02	1.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

	MEAN	3223	3152	3840	4966	5800	6304	5206	3910	3260	2831	3049	2537
MAX	14720	8651	7549	10610	13040	14920	11400	8534	6763	8092	9495	9885	
(WY)	1965	1958	1946	1978	1960	1952	1958	1975	1973	1941	1949	1945	
MIN	562	1087	1271	1220	1887	2399	1922	1509	1014	790	750	628	
(WY)	1955	1955	1956	1956	1941	1988	1986	1941	1988	1986	1956	1954	

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1939 - 1996
ANNUAL TOTAL	1792130	1596200	
ANNUAL MEAN	4910	4361	3998
HIGHEST ANNUAL MEAN			5977
LOWEST ANNUAL MEAN			1980
HIGHEST DAILY MEAN	62800	Jan 16	30600
LOWEST DAILY MEAN	1350	Aug 15	1360
ANNUAL SEVEN-DAY MINIMUM	1610	Aug 12	1530
INSTANTANEOUS PEAK FLOW			36800
INSTANTANEOUS PEAK STAGE			17.20
INSTANTANEOUS LOW FLOW			288
ANNUAL RUNOFF (CFSM)	1.76	1.56	37
ANNUAL RUNOFF (INCHES)	23.90	21.28	31.51
10 PERCENT EXCEEDS	7270	7060	6820
50 PERCENT EXCEEDS	3370	3490	2930
90 PERCENT EXCEEDS	2050	1820	1410

\* From rating curve extended above 66,000 ft<sup>3</sup>/s on basis of computation of peak flow over Neals Shoals Dam.

SANTÉE 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.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 471 microsiemens, Aug. 27, 1987; minimum, 16 microsiemens, Mar. 18, 1990.

pH: Maximum, 9.2 units, June 25, 1986; minimum, 5.1 units, Aug. 6, 7, 1992.

WATER TEMPERATURE: Maximum, 35.5°C, July 13, 1992; minimum, less than 0.5°C, Dec. 24-26, 1989, Jan. 20, 1994.

DISSOLVED OXYGEN: Maximum, 14.4 mg/L, Feb. 10, 1980, Jan. 11, 1993; minimum, 3.0 mg/L, July 6, 1994.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 171 microsiemens, July 29; minimum, 21 microsiemens, Mar. 8, 9.

pH: Maximum, 8.0 units, July 30; minimum, 5.8 units, Oct. 26.

WATER TEMPERATURE: Maximum, 32.0°C, July 23; minimum, 1.5°C, Jan. 9, 10.

DISSOLVED OXYGEN: Maximum, 13.7 mg/L, Feb. 3, 4; minimum, 5.6 mg/L, Aug. 7, 9 - 11.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	126	118	123	90	82	84	91	85	88	71	69	70
2	127	117	122	91	85	89	96	87	91	77	70	72
3	121	107	116	89	76	81	99	92	96	74	66	69
4	112	60	92	83	77	80	96	86	90	70	66	68
5	101	66	85	82	78	81	92	84	89	77	67	74
6	66	26	49	90	81	84	96	84	92	87	77	83
7	56	23	41	88	75	84	95	89	91	89	83	85
8	59	56	57	90	47	67	98	90	94	87	83	86
9	64	58	60	---	---	---	95	91	92	89	80	85
10	63	58	60	---	---	---	92	89	91	80	72	76
11	72	63	68	---	---	---	89	83	85	79	72	76
12	80	72	77	49	38	44	89	84	86	95	78	87
13	88	79	82	---	---	---	88	82	85	100	95	98
14	90	85	88	---	---	---	88	80	83	97	94	96
15	93	61	80	---	---	---	94	88	91	102	96	99
16	61	58	60	69	61	66	100	94	99	102	89	96
17	63	59	61	---	---	---	99	97	98	94	88	92
18	---	---	---	---	---	---	100	96	98	94	87	89
19	---	---	---	---	---	---	99	91	95	94	69	83
20	---	---	---	---	---	---	94	90	92	69	50	55
21	---	---	---	---	---	---	94	88	91	55	52	54
22	---	---	---	87	82	84	94	88	91	57	55	57
23	---	---	---	89	86	87	91	85	88	61	57	59
24	90	82	86	92	80	86	90	84	88	65	61	63
25	92	80	86	84	76	79	87	78	84	76	65	71
26	91	85	87	79	75	78	84	75	80	80	76	77
27	105	88	94	75	71	73	79	73	77	81	44	61
28	104	82	95	76	73	75	76	71	73	50	23	36
29	84	79	81	79	73	75	72	66	69	---	---	---
30	84	81	82	85	79	81	69	66	68	---	---	---
31	87	82	84	---	---	---	71	65	69	---	---	---
MONTH	127	23	81	92	38	78	100	65	87	102	23	76

SANTEE RIVER BASIN

02156500 BROAD RIVER NEAR CARLISLE, SC--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	62	57	60	78	72	74	59	51	56	67	56	63
2	65	45	57	81	78	79	51	36	43	69	66	68
3	48	23	35	82	79	80	57	36	47	76	68	71
4	43	25	35	80	75	77	65	57	62	81	76	78
5	48	43	46	78	66	72	66	56	64	85	81	83
6	---	---	---	86	51	65	69	66	67	83	77	80
7	---	---	---	55	27	50	70	68	69	80	74	77
8	62	58	60	49	21	35	68	65	66	82	74	78
9	65	61	63	56	21	35	66	62	64	85	80	82
10	65	61	63	64	56	62	62	58	60	90	84	87
11	70	63	67	65	62	63	70	60	65	94	85	91
12	65	53	61	66	63	64	71	67	69	101	91	96
13	55	53	54	67	64	66	78	71	73	99	89	95
14	60	53	58	77	67	72	82	78	79	92	86	89
15	72	60	68	79	73	77	82	77	80	88	80	83
16	82	71	77	78	72	76	80	76	77	94	86	89
17	81	76	79	77	75	76	84	80	83	95	85	91
18	78	75	76	76	71	73	87	84	85	95	90	93
19	77	74	75	71	53	64	89	85	87	95	91	92
20	75	67	71	58	24	43	92	89	91	96	91	94
21	73	69	71	53	23	43	90	85	87	97	90	93
22	76	71	74	45	39	41	90	82	87	93	85	90
23	76	72	74	63	42	57	82	79	80	95	86	90
24	79	71	75	67	61	63	81	78	79	91	85	89
25	79	75	77	67	63	65	85	81	82	92	80	87
26	78	73	75	64	60	62	89	85	87	96	78	88
27	74	70	72	64	59	60	89	86	88	92	86	89
28	73	68	70	66	60	63	92	85	88	88	81	85
29	75	69	72	66	57	63	86	57	77	81	73	76
30	---	---	---	57	47	51	72	50	59	73	59	67
31	---	---	---	58	47	57	---	---	---	75	60	71
MONTH	82	23	65	86	21	62	92	36	73	101	56	84
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	80	74	77	120	113	118	120	109	114	101	97	100
2	86	80	83	114	106	111	162	119	126	98	88	92
3	87	85	86	125	97	105	122	112	118	100	89	94
4	93	84	87	106	98	102	112	101	105	90	77	85
5	96	88	92	106	96	102	118	109	114	83	69	75
6	91	88	90	100	83	94	123	115	117	83	50	74
7	94	88	91	89	82	86	122	99	108	58	49	52
8	99	58	89	87	82	85	111	95	104	69	56	64
9	98	73	92	90	81	87	101	94	96	75	69	70
10	101	86	94	89	78	84	108	98	103	91	75	86
11	86	80	81	88	77	82	122	102	118	95	86	92
12	80	74	75	90	85	87	122	111	117	99	94	96
13	87	77	83	106	88	94	115	90	105	104	95	99
14	97	87	91	116	104	109	96	60	71	104	98	102
15	112	95	104	111	105	107	75	59	63	104	97	101
16	111	88	98	114	107	111	83	66	74	111	97	106
17	96	86	91	116	106	112	87	83	84	99	90	93
18	97	83	91	114	93	99	90	85	87	101	85	93
19	88	78	82	97	93	94	103	90	97	96	83	87
20	99	88	92	110	97	102	100	94	96	90	84	87
21	101	91	93	122	110	118	97	92	94	104	90	99
22	104	98	101	128	116	122	104	95	100	111	99	103
23	109	103	108	132	114	119	101	90	93	113	102	108
24	110	103	107	123	111	117	124	99	104	113	105	109
25	110	103	107	121	111	115	116	107	111	112	97	103
26	110	102	104	123	118	121	120	108	115	119	98	109
27	104	93	98	124	120	122	116	106	111	119	110	114
28	109	104	106	134	124	131	111	96	103	117	107	110
29	113	104	109	171	121	131	96	84	88	132	117	126
30	126	111	118	160	112	129	97	89	94	131	69	111
31	---	---	---	157	110	123	100	97	99	---	---	---
MONTH	126	58	94	171	77	107	162	59	101	132	49	95
YEAR	171	21	84									



## SANTEE RIVER BASIN

02156500 BROAD RIVER NEAR CARLISLE, SC--Continued

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	21.0	20.0	20.5	14.0	13.5	14.0	11.0	10.0	10.5	5.0	4.0	4.5
2	21.5	20.5	21.0	15.0	14.0	14.5	10.0	9.0	10.0	6.5	5.0	6.0
3	21.5	20.5	21.0	16.0	15.0	15.5	10.0	9.0	9.5	7.5	6.5	7.0
4	21.5	19.5	20.5	16.0	15.0	15.5	10.0	9.0	9.5	7.0	6.5	7.0
5	21.0	20.0	20.5	15.0	12.5	13.5	10.0	9.5	10.0	6.5	5.5	6.0
6	20.5	20.0	20.0	12.5	11.5	12.0	10.5	9.5	10.0	6.0	5.0	5.5
7	21.0	20.0	20.5	12.0	11.5	11.5	10.5	9.5	10.0	5.0	3.5	4.0
8	20.5	20.0	20.5	12.0	11.0	11.5	9.5	8.5	9.0	3.5	2.0	3.0
9	20.0	19.0	19.5	11.5	10.5	11.0	8.5	8.0	8.0	2.0	1.5	2.0
10	20.0	18.5	19.5	10.5	9.5	10.0	8.0	6.5	7.0	3.0	1.5	2.0
11	20.0	18.5	19.5	12.5	10.0	11.0	6.5	5.5	6.0	3.5	2.5	3.0
12	20.0	18.5	19.5	11.5	10.5	11.0	5.5	4.5	5.0	3.5	3.0	3.0
13	20.0	19.5	19.5	10.5	10.0	10.0	5.5	4.5	5.0	4.0	2.5	3.5
14	20.5	19.5	20.0	10.0	9.5	10.0	7.0	5.5	6.0	4.5	3.0	4.0
15	20.0	18.5	19.0	9.5	9.0	9.0	8.5	7.0	7.5	5.0	4.0	4.5
16	18.5	17.5	18.0	9.0	8.0	8.5	9.5	8.0	9.0	5.5	5.0	5.0
17	17.5	16.5	17.0	8.5	7.5	8.0	9.5	8.5	9.0	5.5	5.5	5.5
18	16.5	15.5	16.0	8.5	7.5	8.0	9.5	8.5	9.0	8.0	5.5	6.5
19	16.5	15.5	16.0	9.0	7.5	8.5	8.5	8.0	8.5	10.5	8.0	9.0
20	17.0	16.0	16.0	9.5	8.0	8.5	8.0	7.5	8.0	9.0	7.0	8.5
21	17.0	16.0	16.0	9.5	8.5	9.0	7.5	6.0	6.5	7.0	5.0	6.0
22	16.0	15.0	15.5	9.0	8.0	8.5	6.0	5.0	5.5	5.0	4.5	4.5
23	15.5	14.5	15.0	8.5	7.5	8.0	5.5	4.0	4.5	5.5	4.5	5.0
24	16.0	15.0	15.5	8.5	8.0	8.0	4.5	3.5	4.0	7.0	5.5	6.0
25	16.5	15.5	16.0	9.0	8.0	8.5	3.5	2.5	3.0	7.5	6.5	7.0
26	16.5	15.5	16.0	9.0	8.0	8.5	3.0	2.0	2.5	7.0	6.0	6.5
27	16.5	15.5	16.0	9.5	8.5	9.0	3.0	2.0	2.5	8.0	6.5	7.5
28	17.0	16.0	16.5	11.5	9.5	10.5	3.0	2.0	2.5	6.5	6.0	6.5
29	16.0	15.0	15.5	11.5	11.5	11.5	2.5	2.0	2.5	6.0	5.5	6.0
30	15.0	14.0	14.5	11.5	11.0	11.0	3.0	2.0	2.5	6.0	5.5	5.5
31	14.5	14.0	14.0	---	---	---	4.0	3.0	3.5	7.0	6.0	6.5
MONTH	21.5	14.0	17.9	16.0	7.5	10.5	11.0	2.0	6.6	10.5	1.5	5.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	7.0	6.5	7.0	13.0	10.0	11.5	12.0	11.5	11.5	18.5	17.5	18.0
2	7.0	5.5	6.0	12.0	9.5	11.0	12.5	11.0	11.5	19.0	17.5	18.5
3	5.5	4.0	4.5	12.0	9.0	10.0	13.5	11.5	12.5	20.0	17.5	19.0
4	6.0	2.5	4.0	9.0	6.0	7.5	15.0	12.5	14.0	21.5	19.0	20.0
5	4.5	2.0	3.5	12.0	6.5	10.0	16.0	14.0	15.0	22.5	20.5	21.5
6	4.0	3.0	3.5	14.0	10.0	11.5	15.5	14.0	14.5	23.5	21.5	22.5
7	5.0	2.5	4.0	---	---	---	14.0	13.0	13.5	23.0	22.0	22.0
8	5.5	2.5	4.5	---	---	---	13.5	12.5	13.0	22.0	20.5	21.5
9	8.0	5.5	7.0	---	---	---	13.0	12.0	12.5	22.5	20.5	21.5
10	9.5	7.0	8.0	---	---	---	13.0	11.0	12.0	23.5	21.0	22.5
11	10.5	7.5	9.0	---	---	---	13.5	11.0	12.5	23.5	22.5	23.0
12	9.5	7.0	8.0	---	---	---	15.0	12.0	13.5	23.0	22.0	22.5
13	7.5	6.5	6.5	---	---	---	16.0	13.5	14.5	22.0	20.5	21.0
14	7.5	6.0	7.0	---	---	---	17.5	15.0	16.0	21.0	19.5	20.0
15	10.0	7.0	8.0	---	---	---	18.0	16.5	17.0	19.5	19.0	19.5
16	9.0	8.0	8.5	---	---	---	18.0	16.5	17.5	19.5	18.0	19.0
17	9.0	6.0	7.5	---	---	---	17.5	16.0	17.0	21.5	19.0	20.0
18	8.5	6.0	7.0	---	---	---	18.0	16.0	17.0	23.0	20.5	22.0
19	8.5	3.0	7.0	---	---	---	17.5	16.0	16.5	24.5	22.5	23.5
20	8.5	7.0	7.5	11.0	9.5	10.5	18.0	16.5	17.0	26.0	24.5	25.0
21	11.0	7.5	9.0	9.5	9.0	9.5	18.5	16.5	17.5	26.5	25.0	26.0
22	11.5	7.5	9.0	10.0	8.5	9.0	19.5	17.0	18.5	27.0	26.0	26.5
23	10.0	7.0	8.0	10.0	8.5	9.5	20.5	18.5	19.5	27.0	25.5	26.5
24	12.0	7.5	10.0	11.0	9.0	10.0	20.0	18.5	19.0	27.0	26.5	26.5
25	12.0	10.0	10.5	11.5	10.0	10.5	19.5	17.5	18.5	26.5	24.5	25.0
26	12.5	10.0	11.5	13.0	10.5	12.0	19.0	17.5	18.0	25.0	23.0	24.5
27	13.5	10.0	12.0	12.5	11.5	12.0	18.5	17.0	18.0	25.5	23.5	24.5
28	16.5	12.0	15.0	11.5	10.0	10.5	19.5	17.0	18.0	25.0	24.0	24.5
29	17.0	13.0	15.0	10.5	9.5	10.0	19.0	18.5	18.5	25.5	24.0	24.5
30	---	---	---	11.5	10.0	11.0	19.0	18.0	18.5	25.0	22.5	23.5
31	---	---	---	11.5	11.0	11.5	---	---	---	23.0	21.5	22.5
MONTH	17.0	2.0	7.9	14.0	6.0	10.4	20.5	11.0	15.7	27.0	17.5	22.5





## SANTEE RIVER BASIN

02156500 BROAD RIVER NEAR CARLISLE, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.5	8.0	8.2	9.0	8.9	8.9	10.3	10.0	10.1	12.0	11.6	11.8
2	9.1	8.1	8.5	8.9	8.6	8.8	10.5	10.2	10.4	11.6	10.9	11.3
3	9.0	8.1	8.6	8.8	8.4	8.6	10.6	10.3	10.5	11.2	10.7	10.9
4	8.6	8.1	8.4	8.7	8.5	8.6	10.7	10.4	10.6	11.2	10.6	10.9
5	9.1	7.5	8.1	9.1	8.7	9.0	10.5	10.3	10.4	11.6	10.9	11.2
6	9.8	8.7	9.4	9.5	9.1	9.4	10.6	10.3	10.4	11.5	11.1	11.3
7	9.6	7.8	8.8	9.6	9.3	9.5	10.5	10.3	10.4	11.6	11.3	11.4
8	8.4	7.8	7.9	10.9	9.3	10.4	10.8	10.3	10.5	12.1	11.5	11.8
9	9.2	7.8	8.2	10.5	9.9	10.1	10.9	10.7	10.8	12.8	12.1	12.4
10	9.2	8.0	8.4	10.2	10.0	10.1	11.2	10.9	11.1	12.6	12.2	12.4
11	8.5	7.9	8.2	10.3	9.2	9.9	11.7	11.2	11.4	12.3	11.9	12.1
12	8.7	7.9	8.2	11.0	10.3	10.7	12.0	11.6	11.8	12.0	11.6	11.8
13	7.9	7.7	7.8	11.0	10.4	10.6	12.2	11.9	12.0	12.0	11.4	11.7
14	7.8	7.5	7.6	10.5	10.1	10.3	11.9	11.5	11.8	11.9	11.5	11.6
15	8.9	7.5	8.2	10.4	10.1	10.3	11.5	11.0	11.3	11.8	11.3	11.5
16	8.4	8.1	8.2	10.6	10.4	10.5	11.0	10.7	10.9	11.4	11.2	11.3
17	8.8	8.0	8.2	10.8	10.6	10.7	11.0	10.6	10.7	11.3	11.0	11.2
18	8.4	8.1	8.2	10.9	10.6	10.8	10.7	10.5	10.6	11.9	10.8	11.0
19	8.5	8.1	8.3	10.8	10.6	10.7	10.7	10.5	10.6	---	---	---
20	8.3	8.0	8.2	10.8	10.5	10.6	10.9	10.5	10.7	---	---	---
21	8.8	8.0	8.3	10.7	10.5	10.6	11.4	10.8	11.1	---	---	---
22	8.4	8.0	8.2	10.7	10.5	10.6	11.7	11.3	11.5	---	---	---
23	8.6	8.3	8.4	10.8	10.5	10.7	12.1	11.6	11.9	---	---	---
24	8.8	8.3	8.5	10.9	10.7	10.7	12.4	11.9	12.1	---	---	---
25	8.6	8.3	8.4	10.8	10.6	10.7	12.6	12.1	12.4	---	---	---
26	8.6	8.2	8.4	10.7	10.6	10.6	12.8	12.3	12.5	11.2	10.9	11.0
27	8.5	8.1	8.3	10.6	10.5	10.6	12.8	12.4	12.6	12.6	10.3	11.3
28	8.4	8.1	8.2	10.5	10.1	10.4	12.8	12.4	12.6	13.0	12.6	12.9
29	8.6	8.2	8.3	10.1	9.9	10.0	13.0	12.5	12.7	12.9	12.0	12.5
30	8.6	8.3	8.5	10.0	9.8	9.9	12.9	12.5	12.7	12.3	11.5	11.8
31	8.9	8.5	8.7	---	---	---	12.7	12.0	12.5	11.5	11.2	11.3
MONTH	9.8	7.5	8.3	11.0	8.4	10.1	13.0	10.0	11.3	13.0	10.3	11.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.9	11.0	11.3	10.4	9.6	10.0	10.4	10.0	10.2	8.4	8.1	8.2
2	12.2	11.1	11.4	10.9	9.9	10.4	10.7	10.3	10.4	8.4	8.3	8.4
3	13.7	12.2	13.1	11.3	10.3	10.7	10.5	9.8	10.2	8.5	8.1	8.3
4	13.7	13.1	13.5	11.3	10.5	10.8	10.0	9.5	9.8	8.9	7.8	8.3
5	13.1	12.5	12.7	11.5	10.5	11.0	9.6	9.3	9.5	8.2	7.7	7.9
6	---	---	---	10.6	10.0	10.3	9.4	9.1	9.3	8.1	7.5	7.8
7	---	---	---	11.0	10.4	10.7	9.7	9.1	9.5	8.1	7.4	7.7
8	12.8	12.0	12.4	11.5	11.0	11.3	9.9	9.5	9.7	8.1	7.5	7.7
9	12.0	11.5	11.7	11.5	11.3	11.4	10.1	9.5	9.8	8.7	7.5	7.9
10	11.5	11.1	11.3	11.9	11.5	11.8	10.3	9.7	10.0	9.2	7.6	8.0
11	11.2	11.1	11.1	12.0	11.7	11.9	10.4	9.7	10.0	7.8	7.4	7.7
12	11.3	11.1	11.1	11.9	11.6	11.8	10.8	9.4	9.9	7.9	7.3	7.6
13	11.6	11.2	11.4	11.8	11.4	11.6	9.8	9.1	9.5	8.2	7.4	7.8
14	11.9	11.4	11.8	11.8	11.0	11.4	9.7	8.8	9.2	8.7	7.9	8.3
15	13.0	11.3	11.8	11.2	10.6	11.0	11.1	8.6	9.4	8.8	8.2	8.5
16	12.2	11.2	11.3	10.9	10.2	10.5	9.4	8.5	8.9	9.2	8.4	8.7
17	11.9	11.2	11.5	10.4	9.9	10.1	9.7	8.6	9.0	9.2	8.4	8.8
18	12.1	11.6	11.8	10.7	9.9	10.2	9.7	8.7	9.1	9.0	8.1	8.5
19	12.2	11.8	12.0	11.2	10.1	10.4	9.2	8.7	8.9	8.8	7.8	8.4
20	11.9	11.4	11.7	11.3	10.5	11.0	9.2	8.5	8.7	8.6	7.8	8.1
21	11.5	11.2	11.4	11.3	10.9	11.0	9.1	8.4	8.7	8.5	7.6	8.0
22	12.1	11.0	11.2	11.1	10.9	11.0	9.2	8.3	8.7	8.5	7.7	8.1
23	11.4	10.5	10.9	11.1	10.9	11.0	8.8	8.1	8.4	9.1	7.7	8.2
24	11.4	10.1	10.5	11.1	10.7	10.9	8.8	8.0	8.4	8.7	8.0	8.3
25	10.7	10.1	10.3	11.0	10.5	10.7	9.2	8.2	8.6	8.4	7.8	8.1
26	12.1	10.1	10.7	10.6	10.2	10.4	8.5	8.1	8.3	7.9	7.5	7.7
27	11.8	10.1	10.7	10.6	10.1	10.4	8.7	8.1	8.4	8.2	7.8	8.0
28	10.2	9.7	10.0	10.3	10.1	10.3	9.4	8.1	8.6	8.4	7.9	8.2
29	10.3	9.4	9.8	11.2	10.3	10.8	8.3	7.8	8.2	7.9	6.5	7.3
30	---	---	---	11.1	10.4	10.7	8.4	8.1	8.2	6.5	6.2	6.4
31	---	---	---	11.0	10.1	10.2	---	---	---	6.5	6.3	6.4
MONTH	13.7	9.4	11.4	12.0	9.6	10.8	11.1	7.8	9.2	9.2	6.2	8.0



## SANTEE RIVER BASIN

02159810 FAIRFOREST CREEK BELOW SPARTANBURG, SC

LOCATION.--Lat 34°54'19'', long 81°54'54'', Spartanburg County, Hydrologic Unit 03050107, on left bank at Spartanburg Sewage Treatment Plant, 0.5 mi downstream of State Highway 295, 0.7 mi south of Spartanburg, and 2.2 mi upstream of Beaverdam Creek.

DRAINAGE AREA.--23.6 mi<sup>2</sup>.

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

GAGE.--Data collection platform. Datum of gage is 594.34 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, Jan. 1 - 3, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	27	24	25	34	27	113	32	22	16	20	13
2	18	276	23	60	423	28	54	29	21	16	28	23
3	18	57	23	30	195	27	41	28	21	15	26	21
4	212	34	23	24	60	26	38	27	49	15	29	143
5	232	28	23	23	45	26	36	27	28	15	166	22
6	44	26	24	30	40	348	36	26	21	15	30	16
7	30	213	54	58	38	323	34	26	38	15	22	14
8	25	63	26	31	36	77	33	26	120	15	21	14
9	23	36	62	35	36	49	34	25	84	16	21	14
10	21	31	28	43	33	41	32	24	29	15	16	14
11	21	254	25	35	32	38	31	26	26	14	34	14
12	20	69	24	41	31	36	31	24	22	14	195	13
13	33	41	24	39	30	35	64	22	21	14	111	23
14	200	35	24	38	30	34	47	22	20	14	37	12
15	48	31	24	35	30	40	32	26	217	49	20	12
16	28	29	24	33	32	53	32	24	31	20	18	35
17	24	27	23	30	29	61	30	22	25	20	17	103
18	23	26	30	45	28	91	29	22	23	22	23	16
19	22	26	68	140	28	287	33	21	24	15	16	14
20	22	25	32	40	135	63	58	21	22	14	15	13
21	22	25	26	34	42	46	44	20	22	14	14	18
22	20	24	25	31	35	40	31	20	20	13	14	25
23	19	24	24	30	33	37	30	19	19	17	13	13
24	19	65	24	46	31	35	29	20	19	18	14	12
25	19	34	23	30	30	40	28	306	21	54	14	12
26	18	26	23	28	30	35	117	55	18	38	55	12
27	133	25	23	432	29	39	37	38	18	22	24	12
28	60	25	22	61	31	150	30	68	18	22	21	22
29	24	27	22	43	28	49	33	38	17	14	16	21
30	21	24	22	41	---	40	96	29	17	12	14	95
31	33	---	27	41	---	56	---	23	---	12	13	---
TOTAL	1470	1653	869	1652	1634	2277	1313	1136	1053	585	1077	791
MEAN	47.4	55.1	28.0	53.3	56.3	73.5	43.8	36.6	35.1	18.9	34.7	26.4
MAX	232	276	68	432	423	348	117	306	217	54	195	143
MIN	18	24	22	23	28	26	28	19	17	12	13	12
CFSM	2.01	2.33	1.19	2.26	2.39	3.11	1.85	1.55	1.49	.80	1.47	1.12
IN.	2.32	2.61	1.37	2.60	2.58	3.59	2.07	1.79	1.66	.92	1.70	1.25

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1996, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	38.7	35.5	33.4	51.8	52.7	64.4	45.7	37.5	34.1
MAX	102	85.2	60.1	102	86.5	129	90.1	70.9	70.4
(WY)	1991	1993	1993	1993	1990	1993	1991	1991	1994
MIN	10.9	15.9	15.1	17.0	30.4	38.9	24.9	19.5	14.0
(WY)	1992	1992	1989	1989	1991	1995	1995	1994	1990

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1988 - 1996

ANNUAL TOTAL	16893.9	15510	40.1
ANNUAL MEAN	46.3	42.4	57.6
HIGHEST ANNUAL MEAN			27.0
LOWEST ANNUAL MEAN			1993
HIGHEST DAILY MEAN	1730	Aug 27	1730
LOWEST DAILY MEAN	9.9	Aug 16	6.0
ANNUAL SEVEN-DAY MINIMUM	10	Aug 10	6.6
INSTANTANEOUS PEAK FLOW			2670
INSTANTANEOUS PEAK STAGE			12.13
INSTANTANEOUS LOW FLOW			5.8
ANNUAL RUNOFF (CFSM)	1.96	1.80	1.70
ANNUAL RUNOFF (INCHES)	26.63	24.45	23.10
10 PERCENT EXCEEDS	68	63	70
50 PERCENT EXCEEDS	25	27	22
90 PERCENT EXCEEDS	16	15	11

\* Also occurred on Sept. 16, 25, 26, 27.

Santee River Basin  
02160105 TYGER RIVER NEAR DELTA, SC

LOCATION.--Lat 34°32'07'', long 81°32'54'', Union County, Hydrologic Unit 03050107, on upstream 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.--Data collection platform. Elevation of gage is 300 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	424	902	806	725	1670	847	1450	2390	743	362	412	446
2	419	1080	767	757	2720	829	1860	1500	671	362	422	435
3	413	2440	741	964	8780	792	1660	1180	614	343	708	487
4	869	2210	725	900	8980	811	1390	1030	625	329	585	638
5	1660	1340	714	803	5850	781	1250	933	610	318	600	1410
6	2640	1110	706	748	2780	1980	1170	874	681	316	885	1270
7	2660	1200	761	939	1810	6730	1140	827	605	313	831	975
8	1700	2390	887	1190	1610	8240	1070	814	591	309	609	685
9	1190	2700	937	1050	1460	5950	1040	796	760	313	612	516
10	959	2170	1090	975	1330	2700	1000	762	973	333	519	443
11	861	2660	965	967	1240	1810	964	745	801	329	500	413
12	805	6470	857	983	1150	1580	932	740	674	320	478	391
13	713	5910	813	989	1090	1430	918	698	604	319	946	421
14	754	3100	759	997	1040	1220	957	663	572	303	1400	469
15	1260	1880	732	973	1060	1160	1070	637	621	329	1250	393
16	1620	1460	721	953	1080	1330	1010	645	1060	368	978	379
17	1170	1240	700	985	974	1330	915	666	788	496	729	457
18	993	1110	681	937	923	1330	866	648	623	475	580	975
19	870	1020	793	1340	875	1760	851	616	578	421	636	887
20	797	943	1110	1950	939	2470	923	587	585	374	534	632
21	743	896	1070	1930	1380	2640	1100	561	581	333	473	540
22	692	850	915	1480	1380	1770	1180	538	555	314	427	537
23	650	808	850	1240	1190	1420	1030	515	519	305	396	534
24	636	994	791	1150	1110	1250	941	508	481	341	374	483
25	628	1380	757	1120	989	1170	882	1030	480	369	373	442
26	622	1150	734	1060	926	1160	896	1990	449	640	411	409
27	636	974	713	2870	899	1130	1200	1640	437	785	457	400
28	1240	873	696	4630	880	1330	1170	1140	395	688	1050	397
29	1260	851	683	5290	873	1800	1050	1080	383	552	876	424
30	935	858	671	4370	---	1690	3160	983	374	492	596	702
31	838	---	683	2020	---	1420	---	859	---	437	498	---
TOTAL	31657	52969	24828	47285	56988	61860	35045	28595	18433	12288	20145	17590
MEAN	1021	1766	801	1525	1965	1995	1168	922	614	396	650	586
MAX	2660	6470	1110	5290	8980	8240	3160	2390	1060	785	1400	1410
MIN	413	808	671	725	873	781	851	508	374	303	373	379
CFSM	1.35	2.33	1.06	2.01	2.59	2.63	1.54	1.22	.81	.52	.86	.77
IN.	1.55	2.60	1.22	2.32	2.79	3.03	1.72	1.40	.90	.60	.99	.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1996, BY WATER YEAR (WY)

	MEAN	858	888	1032	1576	1529	1831	1258	1001	740	590	676	522
MAX	3011	2519	2354	3020	2683	3545	2379	2363	1517	1507	2295	1342	
(WY)	1991	1986	1984	1978	1979	1993	1979	1984	1975	1984	1995	1975	
MIN	233	328	358	539	603	742	515	386	232	186	136	246	
(WY)	1994	1982	1989	1989	1986	1985	1986	1988	1988	1986	1988	1981	

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1974 - 1996
ANNUAL TOTAL	461810	407683	
ANNUAL MEAN	1265	1114	1040
HIGHEST ANNUAL MEAN			1449
LOWEST ANNUAL MEAN			538
HIGHEST DAILY MEAN	24800	8980	26000
LOWEST DAILY MEAN	237	303	98
ANNUAL SEVEN-DAY MINIMUM	262	318	112
INSTANTANEOUS PEAK FLOW		10100	30300
INSTANTANEOUS PEAK STAGE		16.54	26.31
INSTANTANEOUS LOW FLOW		287	96
ANNUAL RUNOFF (CFSM)	1.67	1.47	1.37
ANNUAL RUNOFF (INCHES)	22.63	19.98	18.62
10 PERCENT EXCEEDS	1950	1810	1840
50 PERCENT EXCEEDS	761	869	732
90 PERCENT EXCEEDS	383	413	308



SANTEE RIVER BASIN  
02160105 TYGER RIVER NEAR DELTA, SC--Continued  
WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1973 to current year.

pH: October 1973 to current year.

WATER TEMPERATURE: October 1973 to current year.

DISSOLVED OXYGEN: October 1973 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 291 microsiemens, Aug. 31, 1988; minimum, 13 microsiemens, Oct. 9, 10, 1976.

pH: Maximum, 8.2 units, Aug. 27, 29, 1988; minimum 5.6 units, July 17, 1989.

WATER TEMPERATURE: Maximum, 32.0°C, July 21, 1981, Aug. 23, 1983; minimum, less than 0.5°C several days, several years.

DISSOLVED OXYGEN: Maximum, 14.2 mg/L, Dec. 2, 1979, Jan. 2, 1984; minimum, 1.6 mg/L, Feb. 19, 1984.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 129 microsiemens, July 14, 15; minimum, 32 microsiemens, Feb. 3.

pH: Maximum 8.0 units, Mar. 4; minimum, 6.2 units, Feb. 2, 3.

WATER TEMPERATURE: Maximum, 30.5°C, July 23; minimum, 1.0°C, Dec. 29, Jan. 9.

DISSOLVED OXYGEN: Maximum, 12.8 mg/L, Dec. 29, 30, Jan. 9; minimum 6.6 mg/L, Oct. 6, 7.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	119	114	117	93	90	91	94	90	93	93	92	93
2	123	117	120	94	84	92	95	93	94	93	88	92
3	123	119	121	84	70	74	99	94	97	88	83	85
4	119	56	91	77	70	73	97	96	96	87	85	85
5	96	81	88	84	77	81	98	94	96	90	87	89
6	81	66	71	88	84	86	95	93	94	94	90	92
7	66	63	65	90	72	86	97	94	96	92	86	89
8	70	63	66	77	69	72	97	95	96	90	85	88
9	76	70	72	69	64	66	97	93	95	87	84	85
10	79	76	78	65	64	65	94	89	91	93	84	88
11	84	79	82	69	41	59	90	87	88	97	90	92
12	91	84	87	50	45	48	90	88	89	104	97	102
13	93	91	93	56	50	54	93	89	91	107	102	104
14	99	92	96	61	56	59	98	93	96	108	102	105
15	100	86	94	67	61	65	101	96	98	105	98	102
16	86	76	79	73	67	71	104	101	103	101	90	96
17	78	77	78	79	73	77	104	102	103	97	89	92
18	81	77	79	82	78	80	103	102	103	96	91	92
19	88	81	85	85	81	83	102	97	100	93	79	85
20	93	88	91	88	85	86	97	90	92	83	77	80
21	97	91	95	90	87	89	90	88	89	77	73	75
22	101	97	99	90	89	89	90	88	89	76	73	75
23	100	98	99	94	90	93	94	89	91	76	74	75
24	100	98	99	94	69	87	96	94	95	80	76	78
25	98	95	97	81	70	78	96	90	94	83	80	82
26	101	95	98	83	80	82	94	90	92	86	83	85
27	103	94	101	83	81	82	90	88	89	85	45	59
28	94	80	88	84	83	84	90	88	89	58	54	55
29	89	83	85	87	84	85	91	88	90	56	50	54
30	93	84	88	90	87	90	93	90	92	59	49	53
31	93	90	92	---	---	---	94	91	93	69	59	64
MONTH	123	56	90	94	41	78	104	87	94	108	45	84



## SANTÉE RIVER BASIN

02160105 TYGER RIVER NEAR DELTA, SC--Continued

pH (UNITS), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.2	7.2	7.1	7.0	7.1	7.0	7.2	7.1	6.8	6.7	7.5	7.1
2	7.2	7.1	7.0	6.9	7.0	7.0	7.2	7.2	6.8	6.2	7.8	7.1
3	7.1	7.1	6.9	6.7	7.0	7.0	7.2	7.1	6.5	6.2	7.9	7.2
4	7.1	6.3	6.9	6.7	7.0	7.0	7.3	7.2	6.7	6.5	8.0	7.1
5	6.8	6.7	7.1	6.9	7.0	7.0	7.2	7.2	6.8	6.6	7.9	7.1
6	6.7	6.5	7.2	7.1	7.0	6.9	7.2	7.2	6.8	6.7	7.1	6.6
7	6.5	6.5	7.1	6.9	7.1	7.0	7.2	7.2	6.8	6.7	6.6	6.5
8	6.8	6.5	6.9	6.9	7.1	7.0	7.3	7.2	6.8	6.7	6.8	6.5
9	6.9	6.8	7.0	6.9	7.1	7.0	7.2	7.1	6.9	6.7	7.0	6.7
10	7.0	6.9	7.0	6.9	7.1	7.0	7.2	7.0	7.0	6.8	7.0	6.8
11	7.1	6.9	7.0	6.4	7.1	7.0	7.2	7.1	7.1	6.8	7.2	6.9
12	7.1	6.9	6.6	6.4	7.1	7.0	7.2	7.1	7.1	6.8	7.3	6.9
13	7.0	6.9	6.7	6.5	7.1	7.1	7.2	7.1	7.4	6.9	7.4	7.0
14	7.1	6.9	6.8	6.7	7.1	7.1	7.2	7.1	7.2	6.9	7.4	7.1
15	7.1	7.0	6.9	6.8	7.1	7.1	7.2	7.1	7.1	6.9	7.2	7.1
16	7.0	6.9	7.0	6.9	7.2	7.1	7.2	7.1	7.0	6.9	7.4	6.8
17	7.0	6.9	7.1	7.0	7.2	7.1	7.1	7.1	7.1	7.0	7.0	6.8
18	7.1	7.0	7.1	7.0	7.1	7.1	7.2	7.1	7.1	7.0	7.1	6.9
19	7.1	7.1	7.2	7.1	7.1	7.1	7.1	7.0	7.1	6.9	7.0	6.9
20	7.1	7.0	7.2	7.1	7.1	7.0	7.2	7.0	6.9	6.9	7.1	7.0
21	7.1	7.1	7.2	7.0	7.1	7.0	7.1	7.0	7.1	6.9	7.1	7.0
22	7.2	7.1	7.0	7.0	7.1	7.0	7.2	7.0	7.0	6.8	7.3	7.0
23	7.2	7.1	7.1	7.0	7.1	7.1	7.2	7.0	7.1	6.8	7.4	7.1
24	7.2	7.1	7.0	6.8	7.1	7.0	7.2	7.0	7.4	6.9	7.5	7.1
25	7.2	7.0	6.9	6.8	7.1	7.0	7.5	6.9	7.5	7.0	7.2	7.0
26	7.1	7.0	7.0	6.9	7.1	7.0	7.3	7.0	7.5	7.0	7.4	7.0
27	7.1	7.0	7.0	7.0	7.1	7.0	7.0	6.5	7.6	7.0	7.2	7.0
28	7.1	6.9	7.0	7.0	7.1	7.1	6.7	6.7	7.3	7.0	7.2	7.1
29	7.0	6.9	7.0	7.0	7.2	7.1	6.7	6.7	7.7	7.1	7.3	7.0
30	7.1	6.9	7.0	7.0	7.2	7.1	6.7	6.6	---	---	7.1	7.0
31	7.1	7.0	---	---	7.2	7.1	6.7	6.6	---	---	7.1	7.0
MONTH	7.2	6.3	7.2	6.4	7.2	6.9	7.5	6.5	7.7	6.2	8.0	6.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.1	7.0	6.7	6.5	7.2	7.0	---	---	7.5	7.4	7.0	6.7
2	7.3	7.0	6.9	6.6	7.3	7.0	---	---	7.5	7.4	6.8	6.7
3	7.3	7.0	7.0	6.7	7.3	7.1	---	---	7.5	7.3	7.1	6.7
4	7.4	7.0	7.2	6.7	7.4	7.1	---	---	7.4	7.3	7.1	6.9
5	7.5	7.0	7.2	6.7	7.4	7.2	---	---	7.4	7.3	7.0	6.8
6	7.1	7.0	7.3	6.8	7.4	7.2	---	---	7.4	7.2	6.9	6.8
7	7.6	7.1	7.0	6.8	7.4	7.2	---	---	7.3	7.1	6.9	6.8
8	7.3	6.9	7.1	6.7	7.4	7.3	---	---	7.4	7.2	7.1	6.9
9	7.6	6.9	7.0	6.7	7.4	7.3	---	---	7.5	7.3	7.2	7.1
10	7.7	6.9	7.0	6.7	7.3	7.1	---	---	7.6	7.5	7.3	7.2
11	7.6	6.9	6.9	6.7	7.3	7.1	---	---	7.6	7.5	7.3	7.2
12	7.5	6.8	7.2	6.8	7.3	7.2	---	---	7.6	7.5	7.3	7.3
13	7.1	6.8	7.2	6.9	7.4	7.1	---	---	7.6	7.3	7.4	7.3
14	7.4	6.8	7.4	6.9	7.4	7.2	---	---	7.3	7.2	7.3	7.2
15	7.0	6.8	7.4	7.2	7.4	7.2	---	---	7.2	7.0	7.2	7.1
16	7.5	6.8	7.4	7.1	7.4	7.1	7.2	7.2	7.4	7.1	7.2	7.1
17	7.6	6.8	7.5	7.3	7.3	7.1	7.2	7.2	7.4	7.1	7.1	7.1
18	7.6	6.9	7.5	7.4	7.4	7.1	7.2	7.2	7.4	7.3	7.1	6.9
19	6.9	6.7	7.5	7.4	7.3	7.1	7.3	7.2	7.4	7.2	6.9	6.9
20	7.2	6.7	7.5	7.4	7.4	7.1	7.4	7.2	7.2	7.1	7.0	6.9
21	7.2	6.7	7.5	7.4	7.3	7.0	7.4	7.3	7.4	7.2	7.1	7.0
22	7.2	6.7	7.6	7.4	7.3	7.0	7.4	7.3	7.4	7.2	7.2	7.1
23	7.1	6.8	7.5	7.4	7.3	7.1	7.3	7.2	7.4	7.1	7.2	7.2
24	7.4	6.9	7.5	7.4	7.3	7.0	7.2	7.2	7.4	7.2	7.3	7.2
25	7.5	6.9	7.5	6.8	7.3	7.0	7.2	7.1	7.3	7.3	7.3	7.2
26	7.1	6.9	7.2	6.7	---	---	7.2	7.0	7.3	7.2	7.3	7.2
27	7.3	6.9	6.9	6.6	---	---	7.1	7.0	7.3	7.2	7.3	7.2
28	7.6	6.8	7.0	6.9	---	---	7.1	7.0	7.2	6.7	7.3	7.2
29	6.9	6.7	7.2	6.9	---	---	7.2	7.1	7.0	6.8	7.3	7.2
30	6.7	6.3	7.2	7.0	---	---	7.4	7.2	7.0	6.9	7.3	6.8
31	---	---	7.2	7.0	---	---	7.4	7.3	7.0	6.9	---	---
MONTH	7.7	6.3	7.6	6.5	7.4	7.0	7.4	7.0	7.6	6.7	7.4	6.7
YEAR	8.0	6.2										

## SANTÉE RIVER BASIN

02160105 TYGER RIVER NEAR DELTA, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	20.0	17.5	18.5	14.0	13.0	13.5	10.0	9.0	9.5	7.0	5.0	6.0
2	21.0	18.0	20.0	16.0	14.0	15.0	10.0	8.5	9.5	8.0	7.0	7.5
3	21.5	19.5	20.5	16.5	16.0	16.0	9.5	8.0	9.0	8.0	7.5	8.0
4	21.0	17.5	19.5	16.5	14.0	15.5	10.5	8.5	9.5	7.5	5.5	6.5
5	20.0	17.5	19.0	14.0	11.0	12.0	10.5	10.0	10.5	5.5	4.5	5.0
6	21.5	19.5	20.5	11.0	10.0	10.5	11.0	10.0	10.5	5.0	4.5	5.0
7	21.5	18.5	20.5	12.0	11.0	11.0	11.0	9.0	10.0	5.0	3.0	3.5
8	19.0	18.0	18.5	12.0	11.0	11.5	9.0	7.5	8.0	3.0	1.5	2.0
9	19.5	18.5	19.0	11.0	9.5	10.0	8.0	7.5	7.5	2.5	1.0	1.5
10	19.5	17.5	18.5	9.5	8.5	9.0	7.5	5.5	6.5	3.0	1.5	2.5
11	20.0	18.5	19.0	13.5	9.5	11.0	5.5	4.0	4.5	3.5	2.5	3.0
12	20.0	18.5	19.5	12.5	10.5	11.0	4.5	3.5	4.0	3.5	3.0	3.5
13	20.0	18.5	19.5	10.5	9.0	9.5	6.0	4.5	5.0	4.0	2.5	3.5
14	18.5	17.5	18.0	10.0	9.5	9.5	7.5	5.5	6.5	5.0	3.0	4.0
15	18.5	16.5	17.5	9.5	8.5	9.0	10.0	7.5	8.5	6.0	4.0	5.0
16	17.5	15.5	17.0	8.5	7.5	8.0	11.0	9.5	10.5	6.0	5.5	5.5
17	16.5	15.5	16.0	8.0	7.0	7.5	10.5	8.5	9.5	6.5	6.0	6.5
18	16.0	14.5	15.0	8.0	7.0	7.5	9.5	8.5	9.0	9.5	6.5	8.0
19	16.5	14.5	15.5	9.0	7.5	8.0	8.5	8.0	8.0	10.5	8.5	10.0
20	16.5	15.0	16.0	9.5	8.0	9.0	8.0	7.0	7.5	8.5	5.5	7.0
21	16.5	15.0	15.5	9.5	8.5	9.0	7.0	5.0	6.0	5.5	4.0	4.5
22	15.0	13.5	14.0	9.0	7.5	8.0	5.0	4.0	4.5	4.0	3.0	3.5
23	14.5	12.5	13.5	8.0	6.5	7.5	4.0	3.0	3.5	5.0	3.5	4.0
24	16.0	14.0	15.0	8.5	8.0	8.5	3.5	2.5	3.0	7.5	5.0	6.5
25	16.5	15.0	16.0	9.5	8.5	9.0	3.0	1.5	2.5	7.0	6.0	6.5
26	16.0	14.5	15.0	9.0	8.0	8.5	2.5	1.5	2.0	6.5	5.0	5.5
27	16.5	15.0	15.5	9.5	8.0	9.0	2.5	1.5	2.0	8.5	6.5	8.0
28	17.0	15.5	16.5	12.5	9.5	11.0	3.0	1.5	2.0	7.5	6.0	6.5
29	15.5	14.0	14.5	13.0	12.0	12.5	2.5	1.0	2.0	6.0	5.0	5.5
30	14.0	12.5	13.0	12.0	10.0	11.0	3.5	1.5	2.0	6.5	5.0	5.5
31	13.5	13.0	13.0	---	---	---	5.0	3.5	4.0	7.5	6.5	7.0
MONTH	21.5	12.5	17.1	16.5	6.5	10.3	11.0	1.0	6.4	10.5	1.0	5.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	7.5	6.5	7.0	13.0	11.5	12.0	12.5	12.0	12.5	18.0	16.5	17.0
2	6.5	4.5	6.0	12.0	10.5	11.0	13.5	11.5	12.5	18.5	16.0	17.0
3	4.5	4.0	4.5	11.5	9.5	10.5	14.5	11.5	13.0	19.5	16.5	18.0
4	4.0	3.0	3.5	11.0	9.0	10.0	16.5	13.5	15.0	21.0	18.0	19.5
5	3.0	1.5	2.0	12.0	9.0	10.5	17.5	15.5	16.5	22.5	19.5	21.0
6	3.0	1.5	2.0	12.5	11.5	12.0	16.5	13.5	15.0	23.5	21.0	22.0
7	4.5	2.5	3.5	13.0	12.5	12.5	14.0	12.5	13.0	22.0	21.0	21.5
8	6.5	4.5	5.0	12.5	10.0	11.5	13.5	12.0	12.5	21.5	19.5	20.5
9	9.0	6.5	8.0	10.0	7.5	8.0	14.0	12.0	13.0	22.5	20.0	21.5
10	9.5	7.5	8.5	7.5	6.0	7.0	14.0	11.5	12.5	23.5	20.5	22.0
11	11.0	9.0	10.0	8.0	6.0	7.0	14.5	11.0	13.0	22.5	21.5	22.0
12	10.0	8.0	9.0	8.5	6.5	7.5	16.0	12.5	14.5	21.5	20.0	21.0
13	8.0	6.5	7.0	9.5	7.0	8.5	16.5	14.5	15.5	20.0	18.0	19.0
14	7.5	6.0	6.5	11.5	8.5	10.0	18.5	15.0	17.0	19.0	17.0	18.0
15	9.0	6.5	8.0	13.0	11.0	12.0	18.5	17.0	18.0	17.5	16.5	17.0
16	8.5	7.0	8.0	14.0	12.0	12.5	18.5	16.5	17.5	19.0	16.5	18.0
17	7.0	5.5	6.0	14.5	12.5	13.5	18.0	15.0	16.5	21.5	18.0	20.0
18	6.5	5.0	6.0	14.0	13.5	13.5	18.5	15.5	17.0	24.0	20.0	22.0
19	7.5	5.0	6.0	13.5	11.5	12.5	17.5	16.5	16.5	25.0	21.5	23.5
20	9.0	7.5	8.0	11.5	10.0	10.5	18.5	16.0	17.0	25.5	22.5	24.0
21	10.5	8.5	9.5	10.5	8.5	9.5	19.0	16.5	18.0	26.0	23.0	24.5
22	11.5	10.0	10.5	10.0	8.5	9.5	20.5	17.5	19.0	26.0	23.5	24.5
23	13.0	11.0	12.0	10.5	8.0	9.5	20.5	19.0	20.0	25.5	22.5	24.0
24	14.0	12.5	13.5	12.0	9.0	10.5	19.5	17.5	18.5	26.0	23.5	24.5
25	13.0	11.5	12.5	12.0	10.5	11.5	18.5	16.0	17.5	25.0	20.5	22.0
26	13.5	11.0	12.0	14.0	11.5	12.5	17.5	17.0	17.0	23.0	22.0	22.5
27	15.0	12.5	13.5	13.5	11.5	12.5	18.0	16.0	17.0	23.5	21.5	22.5
28	15.5	14.5	15.0	11.5	9.5	10.5	19.0	16.0	17.5	24.0	22.5	23.0
29	15.0	13.0	14.0	11.5	9.0	10.0	19.0	18.0	18.5	24.5	22.5	23.5
30	---	---	---	12.5	11.5	12.0	18.5	17.5	18.0	23.5	21.5	22.5
31	---	---	---	12.5	12.0	12.5	---	---	---	21.5	19.5	21.0
MONTH	15.5	1.5	8.2	14.5	6.0	10.7	20.5	11.0	16.0	26.0	16.0	21.3





## SANTÉE RIVER BASIN

02160105 TYGER RIVER NEAR DELTA, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.4	7.9	8.1	9.3	9.0	9.2	10.3	9.9	10.2	11.5	10.9	11.2
2	8.2	7.6	7.9	9.0	8.3	8.7	10.4	10.2	10.3	10.9	10.5	10.7
3	7.9	7.4	7.6	8.3	8.0	8.1	10.5	10.3	10.4	10.6	10.4	10.5
4	7.6	7.1	7.4	8.8	8.0	8.3	10.5	10.2	10.4	11.3	10.6	11.0
5	7.2	6.7	7.0	9.7	8.8	9.3	10.2	10.1	10.2	11.7	11.3	11.6
6	6.7	6.6	6.6	10.0	9.7	9.9	10.3	10.1	10.2	11.7	11.6	11.6
7	6.9	6.6	6.7	9.8	9.2	9.6	10.4	10.0	10.2	11.9	11.6	11.7
8	7.3	6.7	7.0	9.4	9.2	9.3	10.8	10.4	10.7	12.5	11.9	12.3
9	7.7	7.3	7.5	9.9	9.4	9.7	10.9	10.8	10.8	12.8	12.4	12.6
10	7.9	7.6	7.7	10.2	9.9	10.1	11.5	10.8	11.2	12.5	12.2	12.3
11	7.8	7.5	7.6	10.1	8.8	9.6	11.9	11.5	11.8	12.3	12.0	12.2
12	7.9	7.5	7.7	9.3	8.8	8.9	12.1	11.9	12.0	12.0	11.8	11.9
13	7.5	7.4	7.5	9.7	9.3	9.6	12.0	11.6	11.8	12.0	11.7	11.9
14	7.4	7.0	7.3	9.8	9.6	9.7	11.6	11.2	11.5	11.9	11.6	11.7
15	7.5	7.0	7.3	10.3	9.8	10.1	11.2	10.5	10.9	11.6	11.3	11.5
16	8.1	7.4	7.8	10.6	10.3	10.5	10.5	10.1	10.3	11.3	11.2	11.3
17	8.5	8.1	8.3	10.8	10.6	10.7	10.6	10.2	10.5	11.2	11.0	11.1
18	8.8	8.5	8.6	10.8	10.6	10.7	10.6	10.5	10.6	11.0	10.3	10.7
19	8.7	8.5	8.6	10.7	10.4	10.6	10.7	10.5	10.6	10.3	9.7	9.9
20	8.6	8.3	8.5	10.5	10.3	10.4	11.0	10.5	10.7	11.1	10.0	10.6
21	8.6	8.3	8.5	10.4	10.0	10.2	11.5	11.0	11.3	11.7	11.1	11.4
22	9.1	8.6	8.9	10.5	10.0	10.3	11.9	11.5	11.8	12.0	11.7	11.8
23	9.3	9.0	9.2	10.7	10.4	10.6	12.2	11.9	12.0	11.8	11.4	11.7
24	9.0	8.7	8.9	10.4	10.0	10.2	12.4	12.1	12.3	11.4	10.6	10.9
25	8.8	8.6	8.7	10.1	9.9	10.0	12.6	12.4	12.5	11.0	10.6	10.8
26	9.0	8.6	8.8	10.4	10.1	10.2	12.7	12.4	12.5	11.3	10.9	11.2
27	8.9	8.3	8.7	10.3	10.0	10.2	12.7	12.5	12.5	11.1	10.2	10.4
28	8.3	8.0	8.1	10.0	9.5	9.8	12.7	12.5	12.6	11.0	10.3	10.7
29	8.7	8.2	8.5	9.6	9.4	9.4	12.8	12.5	12.7	11.3	11.0	11.2
30	9.4	8.7	9.1	9.9	9.5	9.7	12.8	12.3	12.6	11.3	10.7	11.1
31	9.3	9.2	9.3	---	---	---	12.3	11.5	11.9	10.8	10.5	10.7
MONTH	9.4	6.6	8.0	10.8	8.0	9.8	12.8	9.9	11.3	12.8	9.7	11.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.9	10.5	10.7	10.4	10.0	10.2	9.8	9.6	9.7	8.1	7.5	7.9
2	11.5	10.8	11.1	10.6	10.4	10.5	9.9	9.6	9.8	8.3	7.9	8.1
3	11.8	11.4	11.7	10.8	10.5	10.6	9.8	9.5	9.7	8.2	7.9	8.1
4	12.3	11.8	12.0	11.1	10.6	10.9	9.5	9.0	9.3	8.0	7.6	7.8
5	12.7	12.3	12.5	11.0	10.4	10.8	9.0	8.9	9.0	7.8	7.4	7.6
6	12.6	12.3	12.5	10.4	9.6	10.0	9.3	8.8	9.0	7.6	7.3	7.5
7	12.4	11.9	12.2	9.6	9.3	9.4	9.6	9.3	9.5	7.7	7.4	7.6
8	11.9	11.2	11.6	10.1	9.4	9.7	9.6	9.4	9.5	7.9	7.6	7.8
9	11.2	10.5	10.9	11.3	10.1	10.9	9.6	9.4	9.5	7.9	7.5	7.7
10	10.8	10.5	10.7	11.8	11.2	11.6	9.7	9.4	9.5	7.7	7.4	7.6
11	10.6	10.2	10.4	11.7	11.4	11.6	9.6	9.1	9.5	7.8	7.3	7.4
12	10.9	10.3	10.6	11.6	11.2	11.4	9.2	8.6	9.0	7.7	7.3	7.6
13	11.4	10.9	11.3	11.3	10.9	11.2	8.6	8.0	8.4	8.1	7.7	8.0
14	11.5	11.2	11.4	11.0	10.4	10.8	8.0	7.7	7.9	8.4	8.0	8.2
15	11.4	11.1	11.3	10.4	9.9	10.2	7.9	7.6	7.8	8.4	8.1	8.3
16	11.4	11.1	11.2	10.0	9.5	9.9	8.1	7.6	7.9	8.4	8.0	8.2
17	11.9	11.4	11.7	9.9	9.5	9.6	8.5	7.9	8.2	8.1	7.6	7.9
18	11.9	11.7	11.8	9.7	9.5	9.6	8.5	8.0	8.3	7.7	7.3	7.5
19	12.0	11.6	11.9	9.9	9.6	9.7	8.3	8.0	8.1	7.5	7.0	7.3
20	11.7	11.0	11.3	10.2	9.9	10.1	8.3	7.8	8.1	7.2	6.9	7.1
21	11.1	10.7	10.9	10.6	10.2	10.4	8.1	7.8	8.0	7.2	6.9	7.1
22	10.7	10.3	10.5	10.8	10.4	10.6	8.1	7.7	7.9	7.2	7.0	7.1
23	10.3	10.0	10.2	10.8	10.5	10.7	8.2	7.6	7.7	7.4	7.1	7.2
24	10.0	9.9	10.0	10.7	10.2	10.5	8.2	7.6	8.0	7.4	7.0	7.2
25	10.4	10.0	10.2	10.2	10.0	10.1	8.5	8.0	8.2	7.4	7.0	7.2
26	10.4	10.1	10.3	10.1	9.7	9.9	8.3	7.9	8.1	7.0	6.7	6.9
27	10.1	9.6	10.0	10.0	9.7	9.8	8.4	7.9	8.1	7.0	6.7	6.9
28	9.6	9.5	9.5	10.4	10.0	10.2	8.5	7.8	8.2	7.2	7.0	7.1
29	10.0	9.5	9.8	10.5	10.1	10.4	8.1	7.8	7.9	7.3	7.1	7.2
30	---	---	---	10.1	9.8	9.9	7.9	7.5	7.6	7.6	7.2	7.4
31	---	---	---	9.8	9.7	9.7	---	---	---	8.0	7.6	7.9
MONTH	12.7	9.5	11.0	11.8	9.3	10.4	9.9	7.5	8.6	8.4	6.7	7.6



## SANTEE RIVER BASIN

021603257 BRUSHY CREEK NEAR PELHAM, SC

LOCATION.--Lat 34°51'58'', long 82°15'23'', Greenville County, Hydrologic Unit 03050108, on downstream side of bridge on Coleman Road, 0.75 mi north of intersection of I-85 and Pelham Road, 1.5 mi above confluence with South Tyger River.

DRAINAGE AREA.--13.8 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1995 to September 1996.

GAGE.--Water-stage recorder. Elevation of gage is 800 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Oct. 1 - 27, Apr. 3 - 8, May 17 - 21, July 20, 21, Aug. 12 - 28, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	17	19	20	23	18	50	22	22	15	27	12
2	13	81	18	22	272	19	27	20	21	15	83	13
3	13	25	18	19	112	19	24	19	21	14	107	13
4	110	19	18	18	32	18	23	18	25	14	38	41
5	125	18	18	21	27	19	22	17	22	14	25	32
6	50	18	21	25	25	206	22	17	21	15	22	14
7	25	142	29	36	24	263	21	17	21	14	22	12
8	20	40	19	24	25	44	21	17	27	66	19	12
9	18	26	38	22	22	29	21	16	25	29	16	10
10	17	23	21	24	21	26	21	16	20	20	14	9.7
11	16	215	20	20	21	24	20	16	19	18	15	12
12	16	52	19	23	20	24	20	15	18	18	120	17
13	20	32	19	20	20	22	22	15	21	18	50	9.8
14	100	29	19	20	20	21	21	15	21	17	29	9.4
15	50	24	19	20	20	23	20	16	58	55	18	9.3
16	30	22	18	19	20	89	19	15	22	20	16	73
17	25	22	18	18	20	72	19	15	21	18	14	118
18	20	21	24	24	20	29	18	15	21	17	14	18
19	19	21	36	110	20	131	22	14	50	16	13	15
20	18	20	23	29	90	35	48	14	24	19	12	13
21	18	20	20	24	25	28	32	14	19	23	12	19
22	17	20	20	22	22	26	22	14	17	16	12	16
23	16	20	19	21	20	25	20	14	17	16	11	12
24	16	27	19	29	20	25	19	17	16	16	17	12
25	16	21	18	20	19	28	18	250	16	32	20	12
26	16	20	18	20	19	25	33	31	16	23	55	11
27	19	19	18	414	19	26	21	29	16	20	40	11
28	20	20	18	37	20	55	19	56	15	20	35	22
29	15	20	17	26	19	29	20	24	15	16	15	14
30	15	19	17	25	---	26	56	23	15	17	13	16
31	19	---	18	25	---	49	---	22	---	19	12	---
TOTAL	905	1073	636	1197	1037	1473	741	823	662	650	916	608.2
MEAN	29.2	35.8	20.5	38.6	35.8	47.5	24.7	26.5	22.1	21.0	29.5	20.3
MAX	125	215	38	414	272	263	56	250	58	66	120	118
MIN	13	17	17	18	19	18	18	14	15	14	11	9.3
CFSM	2.12	2.59	1.49	2.80	2.59	3.44	1.79	1.92	1.60	1.52	2.14	1.47
IN.	2.44	2.89	1.71	3.23	2.80	3.97	2.00	2.22	1.78	1.75	2.47	1.64

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

	MEAN	29.2	35.8	20.5	38.6	35.8	47.5	24.7	26.5	22.1	21.0	29.5	20.3
MAX	29.2	35.8	20.5	38.6	35.8	47.5	24.7	26.5	22.1	21.0	29.5	20.3	
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	
MIN	29.2	35.8	20.5	38.6	35.8	47.5	24.7	26.5	22.1	21.0	29.5	20.3	
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	

## SUMMARY STATISTICS

## FOR 1996 WATER YEAR

ANNUAL TOTAL	10721.2	
ANNUAL MEAN	29.3	
HIGHEST DAILY MEAN	414	Jan 27
LOWEST DAILY MEAN	9.3	Sep 15
ANNUAL SEVEN-DAY MINIMUM	11	Sep 9
INSTANTANEOUS PEAK FLOW	1150	Jan 27
INSTANTANEOUS PEAK STAGE	8.60	Jan 27
ANNUAL RUNOFF (CFSM)	2.12	
ANNUAL RUNOFF (INCHES)	28.90	
10 PERCENT EXCEEDS	48	
50 PERCENT EXCEEDS	20	
90 PERCENT EXCEEDS	14	

Santee River Basin  
02160326 ENOREE RIVER AT PELHAM, SC

LOCATION.--Lat 34°51'23'', long 82°13'35'', Spartanburg County, Hydrologic Unit 03050108, near left bank, on downstream side of bridge on S.C. Highway 14, 0.5 mi downstream from Brushy Creek, at Pelham.

DRAINAGE AREA.--84.2 mi<sup>2</sup>.

PERIOD OF RECORD.--March 1993 to current year.

GAGE.--Data collection platform. Elevation of gage is 730 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Nov. 17 - 24, Nov. 26 to Dec. 5, 8, 10 - 20, Dec. 22 to Jan. 2, Sept. 20 - 25, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	127	125	140	219	161	501	203	145	90	169	88
2	81	406	125	175	756	161	310	174	142	88	221	87
3	81	279	125	158	1280	157	247	163	143	84	336	111
4	630	170	120	130	467	153	223	155	163	81	157	238
5	1270	142	120	129	296	156	207	150	166	80	116	229
6	633	135	169	144	250	718	201	147	142	85	105	117
7	241	480	202	228	233	1100	195	151	138	86	102	93
8	174	788	180	164	228	654	190	150	159	164	122	90
9	150	290	247	150	224	317	193	144	178	159	94	83
10	138	206	182	159	218	247	184	138	142	95	89	81
11	124	642	170	151	217	220	181	142	135	87	86	87
12	118	805	160	161	217	205	179	142	129	84	482	126
13	121	322	155	154	199	195	193	133	161	82	443	85
14	559	239	150	152	184	190	231	133	150	80	269	78
15	477	202	145	158	180	197	188	140	236	270	140	75
16	203	189	140	161	178	309	182	147	125	152	113	269
17	160	170	135	159	170	394	173	137	115	123	103	559
18	140	160	130	173	169	337	170	129	112	102	97	150
19	132	155	252	687	167	710	182	123	192	90	95	112
20	128	150	200	356	484	453	294	120	199	83	91	104
21	126	140	180	223	301	283	317	118	123	88	88	105
22	122	140	170	189	223	235	213	116	111	80	86	113
23	121	160	160	172	198	210	192	113	106	77	81	91
24	120	170	150	208	183	198	175	117	102	75	103	87
25	118	184	140	187	170	216	167	1130	105	120	83	84
26	117	160	135	161	167	221	239	345	102	150	280	85
27	124	140	130	1720	168	204	203	244	98	128	147	84
28	152	135	125	1070	172	425	167	415	97	109	272	106
29	120	130	120	350	166	343	167	217	94	100	116	119
30	118	130	120	279	---	252	363	171	92	95	98	101
31	126	---	120	259	---	289	---	154	---	106	91	---
TOTAL	7005	7546	4782	8707	8084	9910	6627	6061	4102	3293	4875	3837
MEAN	226	252	154	281	279	320	221	196	137	106	157	128
MAX	1270	805	252	1720	1280	1100	501	1130	236	270	482	559
MIN	81	127	120	129	166	153	167	113	92	75	81	75
CFSM	2.68	2.99	1.83	3.34	3.31	3.80	2.62	2.32	1.62	1.26	1.87	1.52
IN.	3.09	3.33	2.11	3.85	3.57	4.38	2.93	2.68	1.81	1.45	2.15	1.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

	1993	1994	1995	1996	1993	1994	1995	1996	1993	1994	1995	1996
MEAN	140	157	154	258	256	234	196	160	141	114	270	107
MAX	226	252	200	337	308	320	283	227	191	207	529	128
(WY)	1996	1996	1995	1995	1995	1996	1993	1993	1994	1994	1995	1996
MIN	57.0	97.7	107	155	181	178	128	93.9	107	71.8	62.3	61.5
(WY)	1994	1994	1994	1994	1994	1994	1995	1994	1993	1993	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1993 - 1996	
ANNUAL TOTAL	78283		74829		187	
ANNUAL MEAN	214		204		204	
HIGHEST ANNUAL MEAN					156	
LOWEST ANNUAL MEAN					1996	
HIGHEST DAILY MEAN	8500		1720		8500	
LOWEST DAILY MEAN	45		75 ***		42	
ANNUAL SEVEN-DAY MINIMUM	50		85		45	
INSTANTANEOUS PEAK FLOW			2250		* 11300	
INSTANTANEOUS PEAK STAGE			10.81		** 22.98	
ANNUAL RUNOFF (CFSM)	2.55		2.43		2.22	
ANNUAL RUNOFF (INCHES)	34.59		33.06		30.16	
10 PERCENT EXCEEDS	267		336		290	
50 PERCENT EXCEEDS	133		157		126	
90 PERCENT EXCEEDS	72		90		66	

\* From rating curve extended above 3000 ft<sup>3</sup>/s on basis of contracted-opening and flow-over-road measurement of peak flow.

\*\* From floodmarks.

\*\*\* Also occurred on Sept. 15.

## SANTEE RIVER BASIN

02160381 DURBIN CREEK ABOVE FOUNTAIN INN, SC

LOCATION.--Lat 34°42'45'', long 82°09'42'', Laurens County, Hydrologic Unit 03050108, at Durbin Creek Treatment Plant, off State Road 418, approximately 2.5 mi northeast of Fountain Inn.

DRAINAGE AREA.--14.0 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1994 to current year.

GAGE.--Data collection platform. Elevation of gage is 640 ft above sea level (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, Oct. 14, Nov. 7, 11, Jan. 27, Feb. 2, 3, Mar. 6, 7, 19, Aug. 13, Sept. 4, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	9.4	10	12	25	13	34	18	12	5.3	8.0	7.6
2	4.9	76	9.9	13	238	13	25	16	12	5.0	16	7.8
3	5.3	28	9.7	12	116	12	22	17	12	4.4	7.4	8.6
4	38	16	9.7	10	39	12	21	17	14	4.1	6.2	38
5	30	13	9.7	10	30	12	20	17	12	4.4	6.5	8.8
6	12	12	9.8	11	26	183	20	16	9.8	4.8	5.5	8.2
7	10	61	15	21	24	250	20	17	9.6	6.7	6.5	6.9
8	8.6	35	10	14	23	52	19	16	13	9.9	6.3	6.6
9	8.5	24	22	15	22	38	19	15	13	8.2	6.3	6.1
10	8.3	21	15	16	20	29	17	15	10	7.3	6.3	5.9
11	7.9	129	15	15	20	27	17	18	9.7	5.8	6.8	6.3
12	7.7	42	14	17	18	24	16	16	9.8	5.7	23	5.8
13	8.4	22	14	15	19	23	17	15	9.7	5.3	31	5.8
14	24	19	14	15	19	22	18	15	9.4	5.2	22	5.3
15	13	16	14	15	19	22	19	14	9.5	14	11	5.2
16	9.3	14	13	15	19	20	16	14	9.4	7.3	9.2	11
17	8.4	13	12	14	18	19	14	14	7.8	6.4	8.5	11
18	8.2	13	12	15	18	18	16	13	7.3	5.9	7.8	6.1
19	8.1	12	24	42	17	78	17	11	7.5	5.0	8.4	5.6
20	7.7	11	15	18	40	34	23	11	8.1	5.1	7.2	5.4
21	7.3	11	16	16	24	27	21	11	7.6	6.5	7.5	5.8
22	6.9	10	15	14	22	23	18	9.9	6.9	5.0	6.9	7.2
23	6.9	9.9	15	14	21	21	18	9.4	6.7	5.1	6.6	5.4
24	7.1	18	14	17	20	20	16	9.2	6.8	10	34	5.2
25	6.9	13	13	14	20	21	15	24	6.4	47	16	4.7
26	6.7	12	12	13	19	20	24	19	6.0	18	10	4.8
27	36	11	11	209	18	20	17	17	5.8	8.4	10	4.4
28	20	11	10	37	19	46	15	31	5.7	6.7	13	8.9
29	11	11	9.9	25	17	28	18	14	5.5	7.5	9.4	7.9
30	9.8	11	9.8	24	---	25	33	13	5.4	7.5	8.6	30
31	9.9	---	10	32	---	27	---	13	---	7.2	8.1	---
TOTAL	361.6	704.3	403.5	730	950	1179	585	475.5	268.4	254.7	340.0	256.3
MEAN	11.7	23.5	13.0	23.5	32.8	38.0	19.5	15.3	8.95	8.22	11.0	8.54
MAX	38	129	24	209	238	250	34	31	14	47	34	38
MIN	4.8	9.4	9.7	10	17	12	14	9.2	5.4	4.1	5.5	4.4
CFSM	.83	1.68	.93	1.68	2.34	2.72	1.39	1.10	.64	.59	.78	.61
IN.	.96	1.87	1.07	1.94	2.52	3.13	1.55	1.26	.71	.68	.90	.68

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
MEAN	13.1	17.1	18.2	35.4	34.1	29.1	16.0	12.5	10.8	6.74	32.0	9.74
MAX	14.6	23.5	23.5	47.3	35.5	38.0	19.5	15.3	12.7	8.22	61.5	10.4
(WY)	1995	1996	1995	1995	1995	1996	1996	1996	1995	1996	1995	1995
MIN	11.7	10.7	13.0	23.5	32.8	20.1	12.5	9.69	8.95	5.26	11.0	8.54
(WY)	1996	1995	1996	1996	1996	1995	1995	1995	1996	1995	1996	1996

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1994 - 1996

ANNUAL TOTAL	7988.0	6508.3	19.9	
ANNUAL MEAN	21.9	17.8	22.0	1995
HIGHEST ANNUAL MEAN			17.8	1996
LOWEST ANNUAL MEAN				
HIGHEST DAILY MEAN	800	Aug 27	800	Aug 27 1995
LOWEST DAILY MEAN	2.3	Aug 19	2.3	Aug 19 1995
ANNUAL SEVEN-DAY MINIMUM	2.7	Aug 15	2.7	Aug 15 1995
INSTANTANEOUS PEAK FLOW			Unknown	Aug 27 1995
INSTANTANEOUS PEAK STAGE			* 14.58	Aug 27 1995
ANNUAL RUNOFF (CFSM)	1.56		1.42	
ANNUAL RUNOFF (INCHES)	21.23		19.29	
10 PERCENT EXCEEDS	28		26	
50 PERCENT EXCEEDS	12		11	
90 PERCENT EXCEEDS	4.6		6.0	

\* From floodmarks.



SANTEE RIVER BASIN  
02160390 ENOREE RIVER NEAR WOODRUFF, SC

LOCATION.--Lat 34°41'00'', long 82°02'24'', Spartanburg County-Laurens County Line, Hydrologic Unit 03050108, on downstream side of bridge on S.C. Highway 202, 0.7 mi downstream from Durbin Creek, and 4.0 mi south of Woodruff.

DRAINAGE AREA.--249 mi<sup>2</sup>.

PERIOD OF RECORD.--March 1993 to current year.

GAGE.--Data collection platform. Elevation of gage is 542 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Oct. 4 to Nov. 11, Jan 10, 11, Feb. 4, 5, Aug. 13 - 20, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	399	408	369	581	367	922	562	326	183	214	193
2	253	923	401	392	1760	362	842	450	310	179	346	191
3	249	1030	391	410	4430	357	640	419	302	174	551	207
4	712	617	388	365	1800	342	577	404	298	165	363	722
5	1740	499	382	344	900	338	534	387	406	156	268	452
6	1460	458	381	347	719	1880	515	373	311	157	246	354
7	623	786	476	552	639	3810	506	371	287	163	211	253
8	458	1820	480	484	593	2550	486	368	295	178	274	246
9	393	850	581	413	543	1010	478	359	400	306	219	210
10	363	650	563	420	506	726	466	350	334	210	217	198
11	345	1530	455	440	479	621	452	346	290	172	195	200
12	334	2460	424	417	451	556	445	356	275	164	356	226
13	327	1070	408	444	432	523	446	339	269	159	550	213
14	534	780	397	430	426	497	507	332	328	155	650	190
15	1150	691	390	435	420	489	467	331	523	235	450	185
16	556	596	384	435	406	523	447	350	333	329	320	191
17	430	549	375	426	397	763	430	343	278	215	250	874
18	384	519	377	424	385	614	422	325	258	223	220	443
19	364	500	582	1040	377	1490	426	313	253	178	210	277
20	355	484	638	930	721	1240	500	306	398	156	200	233
21	349	469	472	583	810	738	753	302	291	168	184	220
22	339	451	429	484	542	618	547	292	254	160	176	274
23	331	438	407	442	477	551	472	283	237	155	171	235
24	332	503	391	453	446	515	450	278	224	160	167	204
25	332	556	377	495	415	506	428	1330	219	204	285	192
26	329	468	369	414	399	548	462	1150	214	507	306	189
27	351	447	364	2740	393	496	559	618	206	256	346	187
28	556	437	355	3280	389	821	439	683	200	220	450	207
29	402	432	349	1080	386	861	434	545	196	215	312	297
30	358	423	347	735	---	646	700	403	190	188	232	333
31	360	---	347	683	---	598	---	352	---	183	207	---
TOTAL	15325	21835	13088	20906	21222	25956	15752	13620	8705	6273	9146	8396
MEAN	494	728	422	674	732	837	525	439	290	202	295	280
MAX	1740	2460	638	3280	4430	3810	922	1330	523	507	650	874
MIN	249	399	347	344	377	338	422	278	190	155	167	185
CFSM	1.99	2.92	1.70	2.71	2.94	3.36	2.11	1.76	1.17	.81	1.18	1.12
IN.	2.29	3.26	1.96	3.12	3.17	3.88	2.35	2.03	1.30	.94	1.37	1.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	305	398	416	580	623	756	465	346	297	214	546	277
MAX	494	728	592	733	732	1228	664	465	327	310	1161	369
(WY)	1996	1996	1995	1995	1996	1993	1993	1993	1994	1994	1995	1995
MIN	113	204	233	332	411	475	319	201	250	171	134	125
(WY)	1994	1994	1994	1994	1994	1994	1995	1994	1993	1993	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1993 - 1996
ANNUAL TOTAL	188571	180224	
ANNUAL MEAN	517	492	431
HIGHEST ANNUAL MEAN			492
LOWEST ANNUAL MEAN			323
HIGHEST DAILY MEAN	20000	4430	20000
LOWEST DAILY MEAN	119	155	88
ANNUAL SEVEN-DAY MINIMUM	122	167	92
INSTANTANEOUS PEAK FLOW		4730	* 52200
INSTANTANEOUS PEAK STAGE		14.32	*** 29.90
ANNUAL RUNOFF (CFSM)	2.07	1.98	1.73
ANNUAL RUNOFF (INCHES)	28.17	26.93	23.51
10 PERCENT EXCEEDS	683	756	688
50 PERCENT EXCEEDS	353	398	320
90 PERCENT EXCEEDS	166	199	150

\* From rating curve extended above 38000 ft<sup>3</sup>/s, and on basis of contracted-opening measurement of peak flow.

\*\* Also occurred on Aug. 20.

\*\*\* From floodmarks.

\*\*\*\* Also occurred on July 23.

## 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.--Data collection platform. Datum of gage is 300.00 ft above sea level.

REMARKS.--Records good except of estimated daily discharges, July 12 - 15, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	379	459	393	938	506	843	979	418	228	213	232
2	257	505	440	430	1650	491	1290	675	388	227	225	218
3	256	1390	428	550	4270	477	978	554	369	215	331	238
4	392	1060	416	504	5340	463	791	505	361	201	503	261
5	1110	622	410	438	3420	454	714	470	363	198	362	786
6	1940	503	401	409	1360	1250	671	443	437	201	293	457
7	1470	540	422	493	1070	4020	651	426	365	198	269	375
8	687	1600	493	708	940	5070	618	429	352	200	249	321
9	526	1850	526	590	859	4050	592	423	401	206	271	302
10	454	898	636	545	787	1570	573	404	464	272	288	257
11	415	1370	567	530	729	1080	553	394	397	245	248	228
12	381	3630	482	543	684	911	535	393	351	205	252	231
13	364	3870	457	539	640	812	528	398	334	200	476	222
14	373	1530	436	543	614	750	554	371	335	190	824	244
15	761	1010	424	520	600	709	595	360	440	210	650	205
16	995	848	416	514	586	753	547	367	538	236	379	204
17	547	722	406	504	568	917	516	377	382	327	306	247
18	442	643	395	493	548	1020	491	365	329	263	270	767
19	396	593	449	734	532	1200	486	350	308	236	262	416
20	370	557	720	1350	565	2140	530	335	308	208	238	286
21	358	527	645	981	1020	1510	624	323	421	196	225	249
22	343	503	515	690	883	954	766	312	341	189	217	244
23	328	482	468	603	687	813	585	302	298	195	214	258
24	318	559	441	571	627	729	526	296	279	198	204	257
25	314	719	421	595	582	685	493	706	265	208	201	220
26	307	635	407	592	550	682	488	1570	257	265	264	202
27	311	537	396	1780	534	687	578	1200	253	463	289	204
28	529	503	394	3220	525	795	578	733	246	292	418	195
29	534	486	379	3690	519	1180	508	797	235	254	443	214
30	391	485	371	1620	---	987	1270	587	234	249	324	401
31	351	---	376	1030	---	804	---	473	---	218	257	---
TOTAL	16482	29556	14196	26702	32627	38469	19472	16317	10469	7193	9965	8941
MEAN	532	985	458	861	1125	1241	649	526	349	232	321	298
MAX	1940	3870	720	3690	5340	5070	1290	1570	538	463	824	786
MIN	256	379	371	393	519	454	486	296	234	189	201	195
CFSM	1.20	2.22	1.03	1.94	2.53	2.79	1.46	1.19	.79	.52	.72	.67
IN.	1.38	2.48	1.19	2.24	2.73	3.22	1.63	1.37	.88	.60	.83	.75

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1996, BY WATER YEAR (WY)

	MEAN	466	480	585	863	874	1039	724	554	395	318	392	284
MAX	1654	1236	1537	1680	1554	2076	1418	1407	599	806	1660	714	
(WY)	1977	1993	1984	1993	1990	1993	1979	1984	1975	1984	1995	1975	
MIN	130	152	212	285	339	359	289	214	135	104	76.1	150	
(WY)	1982	1982	1989	1989	1986	1988	1986	1988	1988	1986	1988	1981	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1974 - 1996

ANNUAL TOTAL	275052		230389		580							
ANNUAL MEAN	754		629		859							1984
HIGHEST ANNUAL MEAN					267							1988
LOWEST ANNUAL MEAN					22700							Aug 29 1995
HIGHEST DAILY MEAN	118	Aug 21	5340	Feb 4	51	Oct 9 1981						
LOWEST DAILY MEAN	125	Aug 16	189	Jul 22	57	Oct 5 1981						
ANNUAL SEVEN-DAY MINIMUM			203	Jul 3	31200	Aug 28 1995						
INSTANTANEOUS PEAK FLOW			5580	Feb 4	37.32	Aug 28 1995						
INSTANTANEOUS PEAK STAGE			25.98	Feb 4	50	Oct 9 1981						
INSTANTANEOUS LOW FLOW			183	Jul 20	1.31							
ANNUAL RUNOFF (CFSM)	1.70		1.42		17.75							
ANNUAL RUNOFF (INCHES)	23.04		19.30									
10 PERCENT EXCEEDS	1150		1040		1030							
50 PERCENT EXCEEDS	453		463		403							
90 PERCENT EXCEEDS	185		228		175							

STATISTICS COMPUTED BY: BWCHURCH

DATE: 02/14/1997 AT: 09:23:04

SANTEE RIVER BASIN  
02160700 ENOREE RIVER AT WHITMIRE, SC--Continued  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 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.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 148 microsiemens Sept. 1, 1988, minimum, 21 microsiemens, Feb. 28, 1984.

pH: Maximum, 8.2 units Apr. 11, 1988; minimum, 5.0 units July 4, 1987.

WATER TEMPERATURE: Maximum, 32.5°C July 19-21, 1986, minimum, 0.5°C several days, several years.

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, 117 microsiemens, July 23; minimum, 37 microsiemens, Feb. 3, 4.

pH: Maximum, 7.6 units, Dec. 15, 17, Jan. 15, Aug. 13; minimum, 5.8 units, Feb. 4.

WATER TEMPERATURE: Maximum, 29.0°C, June 25, July 2; minimum, 2.0°C, Dec. 25 - 30, Jan. 9.

DISSOLVED OXYGEN: Maximum, 13.1 mg/L, Jan. 9; minimum, 6.6 mg/L, June 25, July 22 - 24.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	96	92	94	85	83	84	78	74	77	80	77	78
2	98	96	97	84	78	81	81	78	80	78	70	76
3	99	98	98	78	62	70	83	81	83	70	68	69
4	99	69	85	63	60	61	85	83	84	70	68	69
5	84	63	78	69	63	66	85	83	84	72	69	71
6	63	50	54	75	68	71	84	81	83	75	72	74
7	55	51	54	78	69	76	81	80	81	76	73	74
8	63	55	59	69	57	62	81	79	80	74	72	73
9	70	63	67	60	54	56	81	78	79	74	69	70
10	74	70	73	60	55	57	79	77	78	71	69	70
11	77	74	76	63	45	56	78	74	76	76	70	72
12	80	74	78	46	43	44	75	73	74	81	75	77
13	83	79	80	50	45	47	76	73	74	82	77	79
14	85	83	84	57	50	53	76	74	75	79	76	77
15	89	84	87	60	56	59	78	75	77	80	75	77
16	84	59	65	65	60	63	80	77	79	82	77	79
17	71	64	66	69	65	67	82	79	81	79	73	76
18	72	67	69	73	69	71	82	81	82	74	71	73
19	76	72	74	77	72	74	83	79	81	73	67	70
20	82	76	79	80	75	78	79	74	77	72	59	65
21	85	82	83	80	76	78	74	68	70	61	59	60
22	87	85	86	78	75	77	72	68	69	66	61	63
23	88	86	87	77	75	76	75	72	73	69	65	67
24	90	86	88	78	67	74	77	75	76	69	67	68
25	90	87	88	74	68	72	78	76	77	71	68	69
26	89	86	88	75	72	73	79	76	77	74	71	72
27	88	83	86	74	72	73	77	74	76	74	48	54
28	84	75	79	75	74	75	75	73	74	53	43	47
29	88	78	84	75	73	74	74	73	73	45	41	43
30	84	77	82	75	73	74	76	73	75	54	45	50
31	85	83	84	---	---	---	79	75	77	58	54	56
MONTH	99	50	79	85	43	68	85	68	77	82	41	68



DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.4	7.0	7.1	6.9	7.1	7.0	7.2	6.4	7.1	6.4	7.3	6.8
2	7.2	7.0	7.1	6.9	7.1	7.0	7.5	6.8	7.1	6.4	7.3	6.7
3	7.4	7.1	6.9	6.6	7.1	7.1	7.3	6.5	6.8	5.9	7.3	6.8
4	7.4	6.9	6.8	6.6	7.2	7.0	7.2	6.4	6.5	5.8	7.2	6.7
5	7.2	6.8	6.8	6.7	7.2	7.0	---	---	6.9	5.9	7.2	6.6
6	7.0	6.7	6.9	6.8	7.2	7.0	---	---	7.0	6.3	7.1	6.4
7	6.8	6.7	6.8	6.6	7.1	6.9	---	---	7.1	6.6	6.8	6.3
8	7.1	6.8	---	---	7.2	6.9	---	---	7.1	6.4	6.9	6.2
9	7.4	7.1	---	---	7.3	7.0	---	---	7.1	6.4	7.0	6.8
10	7.4	7.2	---	---	7.1	6.9	7.3	6.9	7.1	6.4	7.1	6.8
11	7.4	7.2	---	---	7.1	6.9	7.4	6.9	7.0	6.5	7.2	6.7
12	7.3	7.2	---	---	7.2	6.9	7.5	7.2	7.1	6.5	7.3	6.6
13	7.4	7.2	---	---	7.2	6.9	7.5	6.8	7.1	6.5	7.3	6.6
14	7.5	7.3	---	---	7.2	6.9	7.4	6.8	7.1	6.6	7.3	6.6
15	7.4	7.2	---	---	7.6	6.8	7.6	7.0	7.1	6.4	7.3	6.4
16	7.3	7.0	---	---	7.5	7.0	7.2	6.6	7.2	6.5	7.4	6.4
17	7.2	7.0	---	---	7.6	7.0	6.9	6.6	7.2	6.6	7.4	6.5
18	7.2	7.1	---	---	7.5	7.0	7.2	6.9	7.3	6.8	7.0	6.3
19	7.2	7.1	---	---	7.5	6.9	7.2	6.7	7.4	6.7	7.0	6.3
20	7.2	6.7	---	---	7.4	6.8	7.1	6.5	7.3	6.6	7.1	6.9
21	7.2	6.8	---	---	7.4	6.8	7.0	6.5	7.2	6.5	7.0	6.9
22	---	---	7.3	7.2	7.4	6.7	7.1	6.4	7.1	6.4	7.1	7.0
23	---	---	7.4	7.3	7.4	6.7	7.2	6.6	7.1	6.5	7.2	7.1
24	7.0	6.7	7.4	7.2	7.5	6.7	7.2	6.6	7.0	6.7	7.2	7.0
25	7.0	6.8	7.3	7.1	7.5	6.7	7.2	6.9	7.2	6.8	7.3	6.8
26	7.1	6.8	7.1	7.0	7.5	6.8	7.3	6.7	7.2	6.9	7.3	6.8
27	7.1	6.8	7.3	7.1	7.5	6.7	7.0	6.2	7.3	7.0	7.3	6.8
28	7.3	6.7	7.2	7.0	7.5	6.9	6.9	6.1	7.3	7.1	7.2	6.3
29	7.0	6.9	7.1	7.0	7.4	6.8	6.8	6.1	7.4	7.0	7.2	6.1
30	7.1	6.8	7.1	7.0	7.4	6.5	7.0	6.5	---	---	7.1	6.5
31	7.1	6.9	---	---	6.6	6.4	7.1	6.2	---	---	7.1	6.5
MONTH	7.5	6.7	7.4	6.6	7.6	6.4	7.6	6.1	7.4	5.8	7.4	6.1
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.1	6.5	7.2	6.8	7.1	6.9	7.4	7.3	7.4	7.4	7.2	7.1
2	7.0	6.1	7.1	6.9	7.2	7.0	7.4	7.3	7.4	7.4	7.2	7.1
3	7.0	6.3	7.1	6.9	7.2	6.7	7.4	7.3	7.4	7.3	7.2	7.1
4	7.1	6.5	7.1	6.8	7.2	7.0	7.5	7.3	7.4	7.1	7.2	7.1
5	7.2	6.8	7.1	6.9	7.2	6.9	7.5	7.3	7.1	6.8	7.1	6.8
6	7.1	6.7	7.2	6.9	7.2	6.8	7.4	7.3	7.4	7.1	6.9	6.9
7	7.2	6.6	7.2	6.8	7.1	6.8	7.4	7.2	7.4	7.4	7.0	6.9
8	7.2	6.5	7.2	6.8	7.1	6.8	7.4	7.2	7.4	7.4	7.0	7.0
9	7.2	6.4	7.1	6.6	7.1	6.7	7.4	7.1	7.4	7.4	7.1	7.0
10	7.2	6.7	7.1	6.9	7.1	7.0	7.1	7.0	7.5	7.4	7.1	7.1
11	7.3	6.9	7.1	6.6	7.1	7.0	7.2	6.9	7.5	7.4	7.2	7.1
12	7.3	7.0	7.2	6.6	7.1	6.8	---	---	7.5	7.4	7.2	7.1
13	7.4	6.9	7.2	7.0	7.2	6.9	---	---	7.6	7.3	7.2	7.1
14	7.4	6.8	7.2	6.7	7.2	6.8	---	---	7.4	7.2	7.2	7.2
15	7.3	7.0	7.2	6.8	7.1	6.4	---	---	7.2	7.1	7.3	7.2
16	7.4	7.1	7.2	6.7	7.1	6.7	7.3	7.2	7.2	7.1	7.2	7.2
17	7.3	7.1	7.2	6.4	7.0	6.6	7.2	7.1	7.3	7.2	7.3	7.1
18	7.4	6.8	7.1	6.5	7.1	6.6	7.2	7.1	7.3	7.3	7.3	6.9
19	7.3	6.9	7.1	6.6	7.2	6.8	7.2	6.9	7.4	7.3	7.0	6.9
20	7.3	6.8	7.2	6.6	7.1	6.8	7.5	6.9	7.3	7.3	7.1	7.0
21	7.3	6.8	7.3	6.8	7.0	6.9	7.5	7.4	7.3	7.3	7.2	7.1
22	7.2	6.7	7.3	6.8	7.0	6.7	7.4	7.3	7.4	7.3	7.3	7.2
23	7.2	7.0	7.3	6.8	7.0	6.7	7.3	7.3	7.3	7.3	7.3	7.3
24	7.3	7.1	7.4	6.8	7.1	6.8	7.3	7.3	7.3	7.3	7.3	7.2
25	7.3	7.1	7.3	6.4	7.1	6.9	7.4	7.1	7.3	7.2	7.3	7.2
26	7.4	7.1	7.0	6.4	7.3	6.9	7.4	7.1	7.2	7.2	7.3	7.3
27	7.4	7.2	6.8	6.3	7.3	7.2	7.3	7.2	7.2	7.1	7.3	7.3
28	7.3	7.0	7.0	6.6	7.3	7.2	7.3	7.2	7.2	7.0	7.3	7.3
29	7.2	7.0	7.1	6.7	7.3	7.3	7.3	7.2	7.0	6.9	7.4	7.3
30	7.0	6.7	7.1	6.6	7.4	7.2	7.4	7.3	7.1	7.0	7.4	7.0
31	---	---	7.1	6.9	---	---	7.4	7.3	7.2	7.1	---	---
MONTH	7.4	6.1	7.4	6.3	7.4	6.4	7.5	6.9	7.6	6.8	7.4	6.8
YEAR	7.6	5.8										



## SANTEE RIVER BASIN

02160700 ENOREE RIVER AT WHITMIRE, SC--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	20.0	18.0	19.0	14.0	13.5	13.5	10.5	9.5	10.0	6.5	5.0	6.0
2	21.0	19.0	20.0	15.5	14.0	14.5	10.5	9.5	10.0	8.0	6.5	7.5
3	21.5	20.0	20.5	16.5	15.5	16.0	10.0	9.0	9.5	8.5	8.0	8.0
4	21.0	20.0	20.5	16.5	14.0	15.5	10.5	9.0	10.0	8.0	6.0	7.0
5	20.5	20.0	20.5	14.0	11.5	12.5	10.5	10.5	10.5	6.0	5.0	5.5
6	21.0	20.5	20.5	11.5	10.5	11.0	11.0	10.0	10.5	5.5	5.0	5.5
7	21.0	20.5	21.0	12.0	11.5	11.5	11.0	9.5	10.5	5.5	3.5	4.5
8	20.5	19.5	20.0	11.5	11.5	11.5	9.5	8.5	8.5	3.5	2.5	3.0
9	19.5	18.5	19.0	11.5	10.0	10.5	8.5	8.0	8.0	3.0	2.0	2.5
10	19.0	18.0	18.5	10.0	9.5	9.5	8.0	6.0	7.0	3.5	2.5	3.0
11	19.5	18.5	19.0	12.5	9.5	11.0	6.0	4.5	5.5	3.5	3.0	3.5
12	20.0	19.0	19.5	12.5	10.5	11.5	5.0	4.0	4.5	4.0	3.5	3.5
13	20.0	19.5	19.5	10.5	10.0	10.0	6.0	4.5	5.0	4.5	3.5	4.0
14	20.5	19.5	20.0	10.5	10.0	10.0	7.0	5.5	6.5	5.0	4.0	4.5
15	20.0	18.0	19.0	10.0	9.0	9.5	9.5	7.0	8.0	6.0	4.5	5.5
16	18.0	17.0	17.5	9.0	8.0	8.5	10.5	9.5	10.0	6.5	5.5	6.0
17	17.0	15.5	16.5	8.5	7.5	8.0	10.0	9.0	9.5	7.0	6.5	7.0
18	15.5	14.5	15.0	8.5	7.5	8.0	9.5	9.0	9.5	9.5	7.0	8.0
19	16.0	14.5	15.5	9.0	8.0	8.5	9.0	8.5	8.5	10.5	9.0	10.0
20	16.0	15.0	15.5	9.5	8.5	9.0	8.5	7.5	8.0	9.0	7.5	8.0
21	16.0	14.5	15.0	10.0	8.5	9.0	7.5	6.0	6.5	7.5	5.0	6.0
22	14.5	13.0	14.0	9.0	8.0	8.5	6.0	4.5	5.0	5.0	4.5	4.5
23	14.5	12.5	13.5	8.5	7.0	7.5	4.5	4.0	4.5	5.0	4.5	4.5
24	16.0	14.0	15.0	9.0	8.5	8.5	4.0	3.0	3.5	7.5	5.0	6.5
25	16.5	15.0	15.5	9.5	8.5	9.0	3.0	2.0	2.5	7.0	6.0	7.0
26	15.5	14.0	15.0	9.0	8.5	9.0	3.0	2.0	2.5	6.5	6.0	6.0
27	16.5	14.5	15.5	9.5	8.5	9.0	3.0	2.0	2.5	8.0	6.5	8.0
28	17.0	15.5	16.0	12.0	9.5	11.0	3.0	2.0	2.5	7.5	6.5	6.5
29	15.5	14.0	14.5	12.5	12.0	12.5	3.0	2.0	2.5	6.5	5.5	6.0
30	14.0	12.5	13.5	12.0	10.5	11.5	3.5	2.0	2.5	7.0	5.5	6.0
31	13.5	13.0	13.5	---	---	---	5.0	3.5	4.5	8.0	7.0	7.5
MONTH	21.5	12.5	17.3	16.5	7.0	10.5	11.0	2.0	6.7	10.5	2.0	5.8
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	8.0	7.5	7.5	13.5	12.0	12.5	12.5	12.0	12.5	18.0	17.0	17.5
2	7.5	5.5	6.5	12.5	11.0	11.5	12.5	12.0	12.5	18.0	17.0	17.5
3	5.5	4.5	5.0	12.0	10.5	11.0	13.5	12.0	13.0	19.5	17.5	18.5
4	4.5	3.5	4.0	11.5	9.5	10.5	15.5	13.5	14.5	21.0	18.5	19.5
5	3.5	2.5	3.0	12.0	9.5	11.0	17.0	15.5	16.0	22.0	20.0	21.0
6	3.0	2.5	3.0	12.5	11.5	12.0	16.0	13.5	15.0	23.0	21.0	22.0
7	4.5	3.0	4.0	13.0	12.5	12.5	14.5	13.0	13.5	22.0	21.0	21.5
8	6.5	4.5	5.5	12.5	10.5	11.5	13.5	12.5	13.0	21.5	20.5	21.0
9	9.0	6.5	8.0	10.5	8.5	9.0	14.0	12.5	13.0	22.5	20.5	21.5
10	9.5	8.5	9.0	8.5	7.5	7.5	14.0	12.0	13.0	23.0	21.0	22.0
11	11.0	9.0	10.0	8.0	7.0	7.5	14.5	12.0	13.0	22.5	21.5	22.0
12	10.5	8.5	9.5	8.5	7.5	7.5	15.5	13.0	14.0	22.0	20.5	21.0
13	8.5	7.5	8.0	9.0	7.5	8.5	16.5	14.5	15.5	20.5	18.5	19.5
14	8.0	7.0	7.5	10.5	8.5	9.5	18.0	15.5	16.5	19.0	17.5	18.0
15	9.0	7.0	8.0	12.5	10.5	11.5	18.0	17.0	17.5	18.0	17.0	17.5
16	9.0	7.5	8.5	13.5	12.0	13.0	18.5	17.0	17.5	19.0	17.0	18.0
17	7.5	6.0	7.0	14.0	12.5	13.5	18.0	15.5	17.0	21.0	18.5	19.5
18	7.5	6.0	6.5	14.5	13.5	14.0	18.5	16.0	17.0	23.0	20.0	21.5
19	7.5	6.0	6.5	13.5	12.0	13.0	17.5	16.5	17.0	24.5	21.5	23.0
20	9.0	7.5	8.5	12.0	10.5	11.0	18.0	16.0	17.0	25.0	22.5	24.0
21	10.5	9.0	9.5	10.5	9.5	10.0	18.5	17.0	18.0	25.5	23.0	24.5
22	11.5	10.5	11.0	10.0	9.0	9.5	19.5	18.0	18.5	25.5	23.5	24.5
23	13.0	11.0	12.0	10.5	9.0	9.5	20.5	19.0	19.5	25.0	23.0	24.0
24	14.5	12.5	13.5	11.5	9.5	10.5	19.5	17.5	18.5	26.0	23.5	24.5
25	13.5	12.0	13.0	12.0	11.0	11.5	18.5	16.5	17.5	25.0	21.5	22.5
26	13.5	12.0	12.5	13.5	11.5	12.5	18.0	17.0	17.5	23.0	22.0	22.5
27	15.0	13.0	14.0	13.5	12.0	13.0	18.0	16.5	17.0	22.5	22.0	22.5
28	15.5	14.5	15.0	12.0	10.0	11.0	18.5	17.0	17.5	23.0	22.5	23.0
29	15.0	13.5	14.0	11.5	10.0	10.5	19.0	18.0	18.5	23.0	22.5	23.0
30	---	---	---	12.0	11.5	12.0	18.5	17.5	18.0	23.0	21.5	22.5
31	---	---	---	12.5	12.0	12.5	---	---	---	21.5	20.0	21.0
MONTH	15.5	2.5	8.6	14.5	7.0	11.0	20.5	12.0	15.9	26.0	17.0	21.3



## SANTÉE RIVER BASIN

02160700 ENOREE RIVER AT WHITMIRE, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	9.1	8.7	8.9	9.2	9.0	9.1	10.3	10.1	10.2	11.4	10.8	11.1
2	8.9	8.5	8.7	9.0	8.6	8.8	10.3	10.1	10.2	10.8	10.4	10.6
3	8.6	8.3	8.5	8.6	8.3	8.5	10.5	10.2	10.4	10.6	10.4	10.5
4	8.4	7.9	8.2	8.8	8.2	8.5	10.4	10.2	10.3	11.2	10.6	10.9
5	7.9	7.5	7.7	9.5	8.8	9.2	10.2	10.1	10.1	11.6	11.2	11.4
6	7.6	7.4	7.5	9.8	9.5	9.7	10.2	10.0	10.1	11.8	11.5	11.6
7	7.5	7.1	7.3	9.8	9.4	9.6	10.2	10.0	10.1	12.0	11.4	11.7
8	8.0	7.5	7.7	9.6	9.2	9.4	10.9	10.2	10.6	12.9	12.0	12.5
9	8.5	8.0	8.3	9.8	9.5	9.7	10.9	10.7	10.8	13.1	12.9	12.9
10	8.5	8.3	8.4	10.3	9.8	10.1	11.3	10.8	11.1	12.9	12.8	12.9
11	8.3	8.2	8.3	10.3	9.0	9.9	11.9	11.3	11.6	12.8	12.5	12.7
12	8.3	8.1	8.2	9.1	8.8	9.0	12.0	11.7	11.9	12.5	12.2	12.4
13	8.1	7.9	8.0	9.5	9.1	9.4	11.9	11.5	11.8	12.3	12.2	12.3
14	8.0	7.7	7.8	9.8	9.4	9.6	11.6	11.0	11.3	12.3	12.2	12.2
15	8.1	7.7	7.9	10.3	9.8	10.1	11.0	10.4	10.7	12.2	11.8	12.1
16	8.3	7.9	8.1	10.6	10.3	10.4	10.4	10.0	10.2	11.9	11.7	11.7
17	8.8	8.3	8.6	10.7	10.6	10.6	10.4	10.0	10.2	11.7	11.5	11.6
18	9.1	8.8	9.0	10.8	10.6	10.7	10.4	10.3	10.3	11.5	10.9	11.3
19	9.2	8.9	9.1	10.7	10.5	10.6	10.4	10.1	10.3	10.9	10.4	10.5
20	9.0	8.8	8.9	10.5	10.3	10.5	10.7	10.3	10.5	11.1	10.5	10.9
21	9.0	8.7	8.9	10.5	10.3	10.4	11.1	10.7	10.9	12.0	11.1	11.6
22	9.4	9.0	9.3	10.8	10.4	10.6	11.5	11.1	11.3	12.4	12.0	12.2
23	9.7	9.4	9.6	11.0	10.7	10.9	11.8	11.4	11.6	12.5	12.1	12.2
24	9.5	9.0	9.3	10.8	10.4	10.7	12.0	11.6	11.8	12.1	11.3	11.6
25	9.0	8.9	9.0	10.5	10.4	10.5	12.2	11.8	12.0	11.7	11.3	11.5
26	9.2	8.9	9.0	10.6	10.5	10.5	12.3	11.9	12.1	11.8	11.6	11.7
27	9.0	8.7	8.9	10.6	10.4	10.5	12.4	12.0	12.1	11.6	10.9	11.1
28	8.7	8.0	8.2	10.4	9.8	10.2	12.4	12.0	12.2	11.5	11.0	11.3
29	---	---	---	9.8	9.6	9.7	12.5	12.1	12.3	11.6	11.4	11.6
30	---	---	---	10.1	9.7	9.9	12.5	12.0	12.3	11.5	11.2	11.4
31	---	---	---	---	---	---	12.0	11.2	11.7	11.4	11.0	11.2
MONTH	9.7	7.1	8.5	11.0	8.2	9.9	12.5	10.0	11.1	13.1	10.4	11.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.2	11.0	11.1	10.0	9.6	9.8	9.3	9.2	9.3	8.4	8.0	8.3
2	11.9	11.2	11.5	10.3	9.9	10.0	9.5	9.3	9.4	8.4	8.3	8.3
3	12.0	11.8	11.9	10.5	9.9	10.2	9.5	9.2	9.3	8.3	8.2	8.3
4	12.4	12.0	12.3	10.7	10.2	10.5	9.2	8.8	9.0	8.2	7.9	8.1
5	12.6	12.4	12.5	10.8	10.3	10.5	8.8	8.6	8.7	7.9	7.7	7.9
6	12.7	12.4	12.6	10.3	9.5	10.0	9.0	8.6	8.7	7.7	7.6	7.7
7	12.6	12.2	12.4	9.6	8.9	9.2	9.2	9.0	9.1	7.9	7.6	7.8
8	12.2	11.5	11.8	9.0	8.7	8.8	9.4	9.1	9.3	8.1	7.9	8.0
9	11.5	10.8	11.1	---	---	---	9.5	9.3	9.4	8.0	7.8	7.9
10	10.9	10.7	10.8	---	---	---	9.6	9.3	9.5	7.9	7.7	7.8
11	10.8	10.3	10.5	---	---	---	9.6	9.3	9.5	7.7	7.6	7.7
12	10.8	10.3	10.5	---	---	---	9.4	9.0	9.2	8.1	7.6	7.9
13	11.2	10.8	11.0	---	---	---	9.0	8.7	8.8	8.5	8.1	8.3
14	11.2	11.1	11.1	---	---	---	8.9	8.4	8.7	8.7	8.5	8.6
15	11.2	10.6	11.0	---	---	---	8.5	8.2	8.4	8.8	8.5	8.7
16	10.7	10.4	10.5	---	---	---	8.7	8.2	8.4	8.8	8.5	8.7
17	11.1	10.7	10.9	---	---	---	9.0	8.4	8.7	8.5	8.1	8.3
18	11.5	11.0	11.2	---	---	---	8.9	8.4	8.6	8.1	7.7	8.0
19	11.7	11.3	11.6	---	---	---	8.5	8.4	8.5	7.7	7.5	7.7
20	11.4	10.9	11.1	9.4	9.1	9.3	8.7	8.3	8.5	7.5	7.3	7.5
21	10.9	10.4	10.8	9.8	9.4	9.6	8.6	8.2	8.4	7.4	7.2	7.3
22	10.4	10.1	10.2	10.0	9.7	9.8	8.3	8.0	8.2	7.3	7.2	7.3
23	10.1	9.8	10.0	10.0	9.8	9.9	8.0	7.9	7.9	7.4	7.2	7.3
24	9.9	9.6	9.7	10.0	9.8	9.9	8.5	8.0	8.3	7.3	7.0	7.2
25	10.0	9.6	9.8	9.8	9.5	9.6	8.6	8.4	8.5	---	---	---
26	10.2	9.7	9.9	9.6	9.3	9.5	8.4	8.3	8.3	---	---	---
27	9.7	9.4	9.6	9.5	9.2	9.3	8.6	8.3	8.5	---	---	---
28	9.4	9.2	9.3	9.8	9.5	9.6	8.5	8.3	8.5	---	---	---
29	9.6	9.3	9.5	10.0	9.7	9.9	8.3	8.1	8.2	---	---	---
30	---	---	---	9.7	9.3	9.5	8.2	7.9	8.0	---	---	---
31	---	---	---	9.4	9.2	9.3	---	---	---	---	---	---
MONTH	12.7	9.2	10.9	10.8	8.7	9.7	9.6	7.9	8.7	8.8	7.0	7.9



## Santee River Basin

021607224 INDIAN CREEK ABOVE NEWBERRY, SC

LOCATION.--Lat 34°25'30'', long 81°36'18'', Newberry County, Hydrologic Unit 03050108, on downstream side of bridge of unnumbered dirt road (Monument Road), about 6.5 miles north of Newberry, SC.

DRAINAGE AREA.--62.7 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--October 1995 to September 1996.

GAGE.--Data collection platform. Elevation of gage is 325 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Feb. 3, which is poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	41	37	32	143	29	103	339	19	8.0	6.2	12
2	9.4	54	34	32	471	29	99	109	17	7.7	6.6	13
3	9.0	105	32	46	1500	28	69	69	17	7.3	6.7	30
4	191	61	30	38	386	25	57	55	17	6.7	7.1	22
5	275	39	28	31	156	25	50	45	24	6.5	6.4	44
6	97	32	27	29	105	204	47	38	14	7.4	5.7	21
7	45	42	33	65	88	696	47	35	17	7.6	5.7	14
8	29	116	32	83	78	476	42	33	32	7.2	5.5	14
9	23	64	39	58	70	154	40	30	45	6.9	6.7	13
10	19	44	42	55	60	93	36	27	24	6.3	12	20
11	18	200	33	50	55	73	34	59	18	5.7	8.6	34
12	17	623	31	51	49	62	32	111	18	5.5	9.3	16
13	16	199	29	49	45	56	31	43	21	5.8	12	12
14	26	95	28	42	43	50	33	33	19	5.7	12	9.9
15	38	72	28	38	40	47	31	29	17	6.3	8.2	9.2
16	24	55	27	35	38	48	31	28	15	10	6.8	34
17	17	47	26	33	36	69	29	25	14	8.1	6.0	218
18	15	41	25	32	35	60	28	23	13	6.4	5.6	64
19	15	37	46	164	34	160	32	21	14	5.6	5.2	26
20	14	34	66	176	50	176	49	18	25	5.2	5.1	18
21	14	32	45	81	64	86	45	17	18	7.3	4.9	16
22	13	29	36	60	49	65	35	16	14	6.8	4.5	17
23	13	27	32	51	43	55	31	15	13	5.8	4.5	15
24	13	70	29	53	41	49	29	15	12	5.2	4.3	13
25	13	292	28	55	36	46	27	120	11	6.5	4.4	12
26	13	117	26	43	34	46	29	48	10	15	12	11
27	17	72	25	710	33	43	38	55	9.2	9.2	17	11
28	71	55	25	531	34	85	27	40	8.8	7.4	74	13
29	42	50	23	160	33	92	119	32	8.6	7.1	45	18
30	24	43	22	103	---	65	681	26	8.1	6.3	23	118
31	27	---	28	129	---	58	---	22	---	6.1	17	---
TOTAL	1166.6	2788	992	3115	3849	3250	1981	1576	512.7	218.6	358.0	888.1
MEAN	37.6	92.9	32.0	100	133	105	66.0	50.8	17.1	7.05	11.5	29.6
MAX	275	623	66	710	1500	696	681	339	45	15	74	218
MIN	9.0	27	22	29	33	25	27	15	8.1	5.2	4.3	9.2

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

	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MEAN	37.6	92.9	32.0	100	133	105	66.0	50.8	17.1	7.05	11.5	29.6
MAX	37.6	92.9	32.0	100	133	105	66.0	50.8	17.1	7.05	11.5	29.6
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	37.6	92.9	32.0	100	133	105	66.0	50.8	17.1	7.05	11.5	29.6
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

## SUMMARY STATISTICS

## FOR 1996 WATER YEAR

ANNUAL TOTAL	20695.0
ANNUAL MEAN	56.5
HIGHEST DAILY MEAN	1500
LOWEST DAILY MEAN	4.3
ANNUAL SEVEN-DAY MINIMUM	4.7
INSTANTANEOUS PEAK FLOW	Unknown
INSTANTANEOUS PEAK STAGE	7.56
10 PERCENT EXCEEDS	103
50 PERCENT EXCEEDS	31
90 PERCENT EXCEEDS	7.0



## SANTEE RIVER BASIN

02160990 PARR SHOALS RESERVOIR AT PARR, SC

LOCATION.--Lat 34°15'40'', long 81°19'55'', Fairfield County, Hydrologic Unit 03050106, at Parr Shoals Dam, on Broad River 100 ft from left edge, 2.5 mi west of Jenkinsville and at mile 201.6.

DRAINAGE AREA.--4,750 mi<sup>2</sup> (from Federal Power Commission).

PERIOD OF RECORD.--October 1984 to current year. Records prior to 1985 Water Year are in the files of the U. S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 200.00 ft above sea level, (South Carolina Electric and Gas reference mark). Prior to May 7, 1968, datum was 47.17 ft higher.

REMARKS.--Reservoir is formed by a concrete gravity dam. Project was completed in 1914: Spillway crest elevation: 257.1 ft sea level, 1,850 acres. Maximum power pool is 266 ft sea level, 4,400 acres. Reservoir water is used for cooling of nearby fossil-electric plant.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 266.98 ft, July 8, 1988; minimum elevation, 254.65 ft, Aug. 21, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 266.53 ft, May 27; minimum elevation, 255.17 ft, June 27.

Capacity Table

Elevation, in feet (sea level)	Usable contents, in billions of gallons
255.0	0.57
260.0	3.30
265.0	9.00
270.0	16.8
271.0	18.4

ELEVATION (FEET SEA LEVEL), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	259.50	259.67	259.64	262.50	260.42	261.04	260.36	259.31	262.96	263.44	259.88	261.39
2	263.88	261.32	261.72	261.90	259.97	261.16	260.99	259.60	260.80	262.55	262.15	258.47
3	263.33	261.95	260.82	263.51	261.17	260.26	260.62	259.68	259.24	261.87	262.73	260.09
4	262.50	261.33	261.09	264.29	260.84	260.36	261.12	261.26	260.79	263.49	262.06	263.08
5	261.35	260.48	261.27	263.26	259.70	260.67	260.86	261.55	258.84	260.40	261.61	263.41
6	261.94	260.37	259.58	261.10	260.00	260.94	260.62	264.24	263.61	262.71	263.09	264.07
7	261.42	259.81	261.79	262.11	261.15	260.09	260.52	263.64	263.76	264.54	262.49	263.96
8	260.60	261.70	260.34	261.46	261.67	260.16	260.08	261.02	261.95	262.61	263.75	263.39
9	260.80	263.26	260.28	261.64	261.37	259.35	260.50	260.76	259.96	264.75	261.24	263.19
10	260.73	260.30	261.66	262.50	260.73	258.55	262.11	261.84	260.42	263.46	262.97	262.54
11	259.63	259.94	261.11	261.87	261.92	261.07	263.48	260.87	259.79	262.66	260.94	259.53
12	259.36	259.94	261.28	261.22	260.86	260.82	263.46	260.98	260.71	262.40	258.70	261.42
13	258.15	259.77	264.17	262.76	261.32	260.99	264.21	261.31	262.81	261.71	264.48	261.07
14	260.31	259.64	263.96	263.01	261.20	260.67	260.90	261.81	262.22	263.66	261.32	261.29
15	259.81	260.32	264.02	262.25	260.67	260.76	261.60	260.89	260.93	263.23	263.36	260.59
16	259.92	260.85	264.94	263.38	261.97	259.54	260.59	262.96	261.36	264.64	264.10	261.57
17	259.58	264.58	260.91	261.35	261.33	258.73	261.25	265.03	263.67	263.74	263.65	263.67
18	259.41	263.35	259.74	260.81	261.61	259.00	261.91	263.76	263.49	263.73	261.51	260.86
19	260.69	261.21	261.25	262.81	261.06	261.44	262.45	262.43	262.06	264.85	262.06	260.33
20	260.47	261.61	261.67	263.38	260.63	261.51	263.45	263.05	263.23	264.21	262.36	258.70
21	260.67	260.82	261.21	262.49	261.25	260.63	261.13	263.06	263.76	264.12	263.36	260.44
22	260.19	262.40	261.65	261.57	261.57	261.47	261.48	263.43	264.74	264.32	263.02	259.33
23	259.12	262.26	261.47	261.61	261.08	260.77	261.32	262.50	264.34	262.23	262.34	260.50
24	262.21	263.23	260.69	261.00	261.03	260.51	260.37	262.64	263.87	262.66	261.81	261.02
25	263.19	264.25	260.58	261.75	262.31	260.33	260.31	263.88	263.19	258.43	261.68	262.69
26	262.23	263.43	261.01	261.08	261.10	262.77	262.20	264.77	264.37	261.41	262.06	260.90
27	262.24	262.47	258.90	259.87	260.83	264.81	261.29	263.79	262.21	260.35	260.00	264.87
28	261.46	262.09	259.39	260.75	260.68	262.85	260.53	262.04	263.46	261.23	261.54	259.86
29	261.27	261.09	260.45	259.97	259.93	260.79	261.67	263.51	263.97	263.53	262.18	259.70
30	260.60	261.62	262.77	260.97	---	260.12	260.03	263.36	264.10	263.12	261.36	259.49
31	259.11	---	262.89	261.39	---	260.06	---	262.20	---	261.05	262.00	---
MAX	263.88	264.58	264.94	264.29	262.31	264.81	264.21	265.03	264.74	264.85	264.48	264.87
MIN	258.15	259.64	258.90	259.87	259.70	258.55	260.03	259.31	258.84	258.43	258.70	258.47
(+)	2.50	4.92	6.37	4.69	3.24	3.36	3.33	5.54	7.83	4.35	5.30	2.84
(*)	-39.4	+125	+72.4	-83.8	-77.4	+5.99	-1.55	+110	+118	-174	+47.4	-127

CAL YR 1995 \* +3.31 MAX 265.63 MIN 258.15  
WTR YR 1996 \* -1.90 MAX 265.03 MIN 258.15

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

## SANTEE RIVER BASIN

02160991 BROAD RIVER NEAR JENKINSVILLE, SC

LOCATION.--Lat 34°15'38'', long 81°19'50'', Fairfield County, Hydrologic Unit 03050106, in power house of 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.

## GAGE HEIGHT RECORDS

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

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

REMARKS.--Regulated by flow from Parr Shoals Dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 242.98 ft, Oct. 14, 1990; minimum elevation, 219.34 ft, July 14, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 234.46 ft, Feb. 4; minimum elevation, 219.34 ft, July 14.

## ELEVATION (FEET SEA LEVEL), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	221.67	221.51	221.59	223.03	222.54	222.77	222.79	221.52	222.52	222.57	222.37	222.48
2	221.87	221.53	221.72	224.94	222.61	223.60	223.60	222.30	222.51	223.13	222.41	222.67
3	221.86	221.64	221.74	225.12	222.34	223.92	223.59	222.33	222.97	223.02	222.29	222.48
4	229.86	221.60	224.15	224.95	223.70	224.24	223.68	222.33	223.05	224.43	222.49	223.10
5	228.50	222.44	225.56	224.35	223.52	223.99	223.34	222.34	222.68	223.97	223.01	223.45
6	228.23	222.78	225.94	224.13	223.04	223.47	223.25	222.10	222.50	223.07	222.63	222.80
7	228.70	224.77	226.71	223.46	222.49	223.10	223.88	222.27	222.79	225.53	222.34	223.64
8	225.29	222.66	224.15	230.22	222.73	225.47	223.61	222.31	222.72	223.24	222.68	222.95
9	224.37	222.29	223.13	229.41	225.22	227.00	222.65	222.36	222.45	224.38	222.81	223.19
10	225.74	222.72	223.72	227.20	222.26	224.42	223.78	222.46	222.84	223.22	222.80	222.97
11	223.24	222.36	222.68	225.44	222.92	224.33	225.32	222.63	223.86	225.32	222.88	224.15
12	222.80	222.10	222.50	229.66	225.02	227.69	223.39	222.35	222.97	224.14	222.83	223.09
13	222.86	222.36	222.52	228.92	225.71	227.75	223.30	222.38	222.80	223.08	222.92	223.00
14	222.88	222.37	222.52	228.82	224.68	226.62	222.73	222.42	222.56	223.14	222.90	223.01
15	225.80	222.32	223.42	226.05	221.73	223.85	222.54	222.34	222.45	223.14	222.80	222.97
16	225.45	224.39	224.88	224.69	220.88	222.39	222.55	222.16	222.44	223.14	220.97	222.65
17	224.69	222.99	223.81	225.64	221.44	223.03	225.45	222.16	223.61	225.00	222.19	223.48
18	223.21	222.40	222.90	223.58	222.17	222.39	222.96	222.30	222.55	223.74	222.80	223.34
19	224.08	222.81	223.20	225.43	222.52	223.50	223.30	222.34	222.73	226.72	222.23	223.99
20	223.04	222.32	222.62	224.28	222.48	223.28	223.86	222.51	223.09	230.40	224.72	227.00
21	222.49	222.33	222.41	223.54	222.49	222.79	223.65	222.49	223.07	227.31	225.82	226.56
22	222.49	222.36	222.43	224.51	222.28	222.92	224.00	222.49	223.10	228.93	222.98	225.86
23	222.67	222.30	222.45	222.40	221.69	222.31	223.70	222.61	223.19	225.03	222.98	223.80
24	222.67	222.34	222.49	222.40	222.27	222.34	223.52	222.55	222.95	224.31	222.71	223.40
25	222.75	221.87	222.54	224.00	222.32	223.18	223.36	222.59	223.00	225.28	222.78	224.12
26	222.74	221.53	222.46	223.87	222.95	223.59	223.61	222.48	222.87	224.46	222.85	223.66
27	222.72	222.36	222.53	224.55	222.36	223.41	223.16	220.83	222.17	229.23	222.83	225.22
28	222.52	222.35	222.43	224.53	220.31	222.97	222.72	221.78	222.30	231.50	228.12	229.98
29	225.72	222.44	223.78	222.75	222.42	222.59	222.74	222.37	222.50	231.95	228.68	231.02
30	224.47	222.67	223.83	222.97	222.45	222.69	222.55	222.08	222.46	228.73	225.12	226.48
31	223.67	222.38	222.70	---	---	---	222.57	222.38	222.48	225.66	223.25	224.64
MONTH	229.86	221.51	223.21	230.22	220.31	223.85	225.45	220.83	222.78	231.95	220.97	224.23

## SANTÉE RIVER BASIN

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

ELEVATION (FEET SEA LEVEL), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	224.74	222.84	223.89	223.80	222.41	223.06	224.26	222.87	223.69	226.89	224.12	225.72
2	229.63	222.50	225.15	223.69	222.78	223.25	225.79	223.66	224.42	224.12	222.90	223.51
3	233.26	224.50	229.75	223.60	222.78	223.16	224.75	223.33	224.02	225.22	223.29	223.96
4	234.46	232.41	233.86	223.29	222.58	222.95	224.77	222.67	223.38	223.61	222.56	222.72
5	232.41	227.98	229.94	223.72	221.89	223.11	224.33	222.42	223.15	222.77	222.56	222.66
6	228.99	222.50	226.58	227.51	220.80	223.12	223.76	222.69	223.18	222.90	221.32	222.57
7	224.25	222.32	223.44	229.35	223.86	227.65	223.54	222.99	223.24	221.47	220.19	221.31
8	226.65	223.24	224.21	230.00	229.10	229.70	223.03	222.09	222.59	224.88	221.28	223.24
9	225.52	223.05	224.01	229.57	226.59	227.67	223.97	222.58	223.19	223.94	222.48	223.14
10	224.46	222.59	223.26	226.92	224.17	225.80	223.70	221.98	222.81	223.04	219.89	222.55
11	226.82	222.01	223.65	225.11	222.06	223.58	224.91	222.69	223.30	222.64	222.47	222.56
12	226.37	222.55	223.20	226.13	222.65	223.59	223.46	222.84	223.17	222.69	222.49	222.60
13	223.97	222.48	223.33	223.72	222.33	223.05	223.90	222.43	223.00	222.92	222.46	222.66
14	223.34	222.64	223.01	223.76	222.74	223.30	223.58	222.53	222.75	222.89	222.43	222.61
15	225.27	223.14	223.81	223.53	221.70	222.88	223.25	221.59	222.62	222.91	222.47	222.66
16	224.97	222.62	223.89	224.98	223.03	223.55	223.31	222.49	222.68	222.93	222.45	222.73
17	222.69	222.26	222.59	224.69	222.27	223.54	222.84	222.42	222.63	222.91	219.84	222.64
18	224.82	222.57	223.38	224.45	222.32	223.24	222.89	222.23	222.65	222.73	222.46	222.61
19	224.05	221.48	223.40	229.81	222.63	224.99	222.83	222.45	222.62	222.66	222.10	222.53
20	223.55	222.85	223.20	227.30	222.24	225.40	224.05	222.48	223.04	223.43	220.43	222.46
21	223.84	222.69	223.39	227.43	222.33	224.83	225.85	222.45	223.72	222.85	221.16	222.14
22	225.07	222.96	223.79	226.06	223.29	224.44	224.44	222.44	223.31	222.83	222.47	222.64
23	224.18	222.68	223.44	225.00	222.85	223.76	224.70	222.40	223.47	222.82	222.43	222.60
24	223.68	223.22	223.54	223.48	222.71	223.22	223.45	222.16	222.75	222.73	220.04	222.20
25	225.75	222.97	223.78	224.33	222.61	223.38	222.91	222.60	222.73	222.68	220.68	222.02
26	225.18	222.99	223.71	223.71	222.27	222.57	224.51	222.67	223.49	224.60	219.65	222.84
27	223.56	222.89	223.23	223.95	222.34	222.99	223.87	222.50	222.97	227.41	222.52	223.64
28	223.29	222.64	223.02	226.70	222.67	223.81	223.21	222.57	222.76	226.15	222.44	223.08
29	223.16	222.61	222.84	224.84	222.60	223.46	223.93	220.91	222.94	222.85	222.48	222.63
30	---	---	---	226.08	223.83	224.95	227.14	222.48	225.27	225.45	221.16	223.31
31	---	---	---	223.86	222.56	223.41	---	---	---	225.11	223.73	224.09
MONTH	234.46	221.48	224.42	230.00	220.80	224.11	227.14	220.91	223.18	227.41	219.65	222.86
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	223.94	222.48	222.73	223.18	221.16	222.01	222.01	221.66	221.83	222.86	222.63	222.77
2	222.80	222.51	222.65	222.56	221.75	222.31	222.03	221.67	221.84	222.91	221.23	222.27
3	222.91	222.56	222.74	221.87	220.61	221.22	221.88	221.62	221.74	222.61	220.60	221.02
4	222.76	221.33	222.06	221.29	221.12	221.21	221.87	221.63	221.75	222.87	222.07	222.42
5	222.86	221.75	222.52	221.36	221.17	221.25	222.87	221.67	222.29	224.92	222.02	223.28
6	222.59	221.72	221.98	221.28	221.14	221.21	222.80	222.37	222.57	224.03	222.37	222.91
7	222.84	221.49	222.34	221.29	221.15	221.23	222.92	220.62	222.08	226.05	222.39	223.35
8	224.35	222.38	222.94	221.36	221.18	221.26	222.93	220.59	221.67	223.53	220.65	222.78
9	223.91	222.47	222.71	221.35	221.18	221.27	222.58	221.72	222.14	225.00	220.65	222.91
10	224.13	222.43	223.02	221.33	221.17	221.26	222.60	222.15	222.45	222.71	221.33	222.18
11	224.60	220.30	223.02	222.61	219.65	221.71	222.41	221.92	222.06	223.11	221.63	222.66
12	222.95	222.55	222.69	222.54	219.42	221.72	222.00	221.57	221.78	221.68	220.61	221.07
13	222.90	222.48	222.68	222.54	222.25	222.43	222.83	221.61	222.23	220.83	220.61	220.71
14	222.63	222.37	222.51	222.46	219.34	220.82	226.23	221.66	223.69	222.13	220.61	221.52
15	222.59	222.04	222.26	220.74	220.56	220.63	224.96	222.45	223.34	222.84	220.11	222.50
16	222.59	222.03	222.39	222.43	220.58	221.06	224.23	222.38	222.71	222.18	219.67	221.89
17	225.43	220.30	223.08	225.13	222.11	223.05	222.59	222.37	222.48	222.96	222.02	222.55
18	224.30	222.34	223.04	223.09	220.67	222.01	222.58	222.32	222.44	223.20	222.65	222.87
19	223.37	222.42	222.74	221.33	220.56	220.91	223.08	221.45	221.95	223.19	220.30	222.77
20	222.52	220.69	221.49	221.71	220.52	221.04	221.84	221.58	221.70	223.13	221.20	222.67
21	223.39	221.19	222.07	221.27	221.15	221.22	222.60	221.57	221.86	221.28	221.17	221.73
22	223.17	222.18	222.55	221.35	221.15	221.26	221.94	221.62	221.45	222.08	221.17	221.25
23	223.09	222.33	222.51	222.16	221.19	221.70	221.78	221.22	221.76	221.99	219.56	221.29
24	222.76	221.30	222.03	222.27	221.96	222.10	221.35	221.19	221.27	222.14	221.25	221.68
25	222.36	221.36	222.03	222.20	220.76	222.03	222.55	221.20	221.39	222.27	221.96	222.14
26	222.25	221.27	221.69	222.21	220.49	221.40	223.12	221.66	222.57	222.33	221.61	221.85
27	221.36	220.49	221.07	221.80	219.43	221.06	222.22	221.57	221.73	222.16	221.61	221.91
28	222.74	220.26	221.83	222.27	221.70	221.96	221.90	221.58	221.72	222.14	221.16	221.80
29	222.23	221.25	221.95	222.76	222.00	222.44	223.95	221.62	222.54	221.23	221.17	221.20
30	222.21	221.16	221.81	222.65	219.80	221.60	223.28	222.36	222.83	222.78	221.17	221.95
31	---	---	---	221.87	220.42	221.36	222.85	222.64	222.77	---	---	---
MONTH	225.43	220.26	222.37	225.13	219.34	221.54	226.23	220.59	222.15	226.05	219.56	222.13
YEAR	234.46	219.34	223.06									

## SANTÉE RIVER BASIN

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 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.--USGS mini-monitor and data collection platform.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 196 microsiemens, Apr. 16, 1995; minimum, 30 microsiemens, Mar. 30, 1980, and Aug. 21, 1986.

pH: Maximum, 8.3 units, July 24, 1977; minimum, 5.0 units, July 13, 1987.

WATER TEMPERATURE: Maximum, 32.5°C, Aug. 25, 1975, July 25, 1976, July 11, 16, 1977, and several days in July 1986; minimum, &lt;0.5°C, Jan. 19-21, 1977, Jan. 11, 1988, Jan. 20, 1994.

DISSOLVED OXYGEN: Maximum, 14.3 mg/L, several days in Jan. 1988; minimum, 2.7 mg/L, July 26, 1993.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 130 microsiemens, July 26; minimum, 47 microsiemens, Feb. 4, 5.

pH: Maximum, 7.6 units, Oct. 2, July 1, 5, 6; minimum 6.6 units, Jan. 10, Apr. 29, May 25.

WATER TEMPERATURE: Maximum, 30.5°C, July 23; minimum, 3.0°C, Jan. 11, Feb. 5, 6.

DISSOLVED OXYGEN: Maximum, 13.1 mg/L, Feb. 4; minimum, 5.0 mg/L, Aug. 10.

## SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	101	96	99	89	86	87	86	83	85	---	---	---
2	110	97	101	91	88	89	91	86	89	87	79	85
3	107	97	100	91	87	90	92	89	90	87	79	83
4	110	96	100	87	78	82	96	88	91	87	83	84
5	105	75	90	81	78	80	96	90	94	84	79	81
6	86	60	75	86	81	83	95	90	93	84	77	79
7	60	53	57	88	85	86	95	90	92	88	78	83
8	77	58	63	88	84	87	95	90	92	89	86	88
9	84	64	71	88	67	73	97	92	95	90	86	88
10	86	65	73	88	68	72	98	97	97	89	86	87
11	87	67	75	72	68	70	97	90	93	88	83	86
12	84	69	75	74	58	66	96	90	93	89	82	85
13	86	77	83	67	59	61	90	87	89	88	83	86
14	88	83	86	74	56	62	91	88	89	94	87	91
15	93	88	90	81	60	66	91	87	89	96	93	95
16	91	70	78	81	68	71	90	88	89	95	93	94
17	78	70	72	87	70	81	96	90	92	97	92	95
18	74	69	71	85	79	83	98	93	96	94	89	92
19	---	---	---	85	80	82	100	91	96	89	87	88
20	---	---	---	88	84	86	100	93	97	89	63	80
21	---	---	---	89	87	88	---	---	---	63	61	62
22	---	---	---	90	88	89	---	---	---	86	63	71
23	---	---	---	89	87	88	---	---	---	77	65	67
24	96	93	94	89	87	88	---	---	---	79	68	72
25	94	91	92	90	89	90	---	---	---	85	68	74
26	92	90	91	90	84	87	---	---	---	85	76	81
27	92	90	91	86	82	84	---	---	---	80	63	76
28	93	90	91	86	79	82	---	---	---	63	52	59
29	97	91	95	84	79	81	---	---	---	52	48	50
30	91	85	87	85	80	82	---	---	---	64	52	55
31	90	86	88	---	---	---	---	---	---	73	54	57
MONTH	110	53	84	91	56	81	100	83	92	97	48	79



# SANTEE RIVER BASIN

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	75	61	65	82	77	80	---	---	---	76	60	66
2	82	65	71	83	80	81	---	---	---	74	67	71
3	77	51	57	86	81	84	---	---	---	81	74	77
4	51	47	49	88	83	85	---	---	---	82	77	80
5	60	47	50	88	83	86	---	---	---	85	81	83
6	80	52	60	85	80	83	---	---	---	89	83	85
7	77	56	61	80	57	68	---	---	---	86	84	85
8	79	60	63	59	57	58	---	---	---	87	83	86
9	79	67	71	59	55	57	78	67	73	86	81	84
10	81	70	75	66	57	62	87	77	84	88	82	85
11	80	70	73	81	63	68	87	84	85	88	84	86
12	80	75	77	82	68	74	86	81	83	91	87	89
13	82	74	77	81	68	73	87	81	85	92	85	89
14	74	69	71	75	71	72	88	86	87	98	86	91
15	70	69	69	77	72	74	94	88	90	95	86	92
16	82	70	77	83	76	80	94	90	92	94	89	92
17	83	77	80	83	77	81	93	86	90	91	85	87
18	85	82	84	83	78	80	90	86	88	91	84	86
19	84	82	83	82	77	81	90	87	89	96	84	87
20	83	80	82	81	63	71	91	87	89	96	85	88
21	83	78	81	76	65	68	96	88	91	95	84	87
22	80	76	78	77	63	68	95	87	91	95	85	88
23	81	77	79	77	67	71	93	85	89	94	85	87
24	80	77	78	74	67	71	91	86	89	91	84	86
25	81	77	79	79	72	76	89	86	88	91	83	86
26	82	80	82	81	76	79	90	85	88	87	83	86
27	82	79	81	83	78	80	93	86	89	85	83	84
28	80	78	79	81	75	79	96	86	92	85	83	84
29	82	78	80	82	77	80	95	86	92	86	82	84
30	---	---	---	81	75	79	88	66	78	85	81	84
31	---	---	---	---	---	---	---	---	---	84	78	81
MONTH	85	47	73	88	55	75	96	66	87	98	60	85
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	84	81	82	100	92	94	121	103	108	103	97	99
2	85	82	83	109	91	95	118	103	108	101	98	99
3	88	82	85	109	94	98	120	102	108	105	101	103
4	90	85	86	105	94	99	116	102	106	102	99	101
5	91	85	87	99	95	96	115	102	106	100	97	98
6	97	85	89	103	98	100	111	102	104	98	86	95
7	92	86	88	105	98	101	112	102	104	97	89	94
8	90	84	87	104	98	100	108	101	103	96	76	91
9	92	85	88	99	96	98	107	101	103	93	81	89
10	96	85	91	99	96	98	106	101	103	93	84	91
11	98	86	91	99	96	98	108	101	103	94	88	91
12	93	86	89	99	96	97	108	101	103	96	91	94
13	88	84	86	100	97	98	118	99	107	99	94	96
14	87	84	86	102	97	99	105	97	100	104	97	99
15	91	85	87	100	97	98	99	80	93	108	98	103
16	96	86	90	100	97	98	99	82	93	106	100	104
17	98	87	92	112	97	100	95	85	92	105	97	99
18	92	86	88	114	97	100	95	88	93	102	96	99
19	94	86	88	107	99	101	96	92	94	103	96	99
20	---	---	---	105	100	102	97	94	95	100	93	97
21	---	---	---	107	99	102	101	95	96	95	92	94
22	92	85	87	104	99	101	101	95	97	96	92	94
23	95	85	88	109	100	103	101	96	97	104	95	98
24	96	86	89	120	102	106	---	---	---	105	98	102
25	92	87	90	120	103	109	---	---	---	112	98	102
26	99	88	90	130	110	117	---	---	---	112	98	103
27	96	89	92	119	106	111	114	98	103	105	100	101
28	103	89	93	127	112	122	113	98	102	105	98	100
29	99	90	92	121	105	113	113	104	108	108	104	107
30	98	91	93	119	103	108	107	95	103	118	104	111
31	---	---	---	112	103	106	101	95	96	---	---	---
MONTH	103	81	88	130	91	102	121	80	101	118	76	98
YEAR	130	47	87									





## SANTEE RIVER BASIN

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	23.0	21.5	22.1	15.0	14.5	14.5	12.5	11.5	12.0	---	---	---
2	24.5	22.0	23.0	20.5	14.5	17.0	12.5	10.5	11.5	10.0	6.0	9.0
3	24.5	23.5	24.0	20.0	15.5	18.0	14.0	12.0	13.0	9.5	6.0	8.0
4	24.5	23.0	24.0	16.5	15.5	16.0	14.5	10.5	12.5	9.0	7.5	8.0
5	24.0	21.5	22.5	15.5	14.0	14.5	13.5	10.5	11.5	9.0	7.0	7.5
6	22.5	20.5	21.0	15.5	13.0	14.0	13.5	11.0	12.0	9.0	6.0	7.5
7	21.5	20.5	21.0	16.5	13.0	15.0	13.0	11.0	12.0	9.0	5.5	6.5
8	22.5	20.5	21.0	15.5	12.0	13.5	13.5	10.5	12.5	8.0	4.0	6.5
9	23.0	20.5	21.5	17.5	11.0	13.0	12.0	9.0	10.0	9.0	3.5	6.5
10	23.5	20.0	21.5	17.5	11.0	12.0	9.0	7.5	8.5	8.5	3.5	4.5
11	23.5	20.5	21.5	12.0	10.5	11.0	13.0	7.0	10.5	7.0	3.0	4.5
12	21.5	20.0	20.5	12.0	11.0	11.5	11.5	6.5	9.0	8.0	3.5	5.5
13	22.5	20.5	21.0	12.0	10.5	11.0	10.0	6.5	8.0	7.5	4.5	6.0
14	22.5	20.5	21.0	14.0	10.0	11.5	12.0	7.0	10.5	7.5	4.5	5.0
15	22.5	19.5	21.0	15.0	9.5	11.0	11.5	9.0	10.0	5.5	4.5	5.0
16	19.5	18.5	19.0	14.5	9.0	11.0	11.0	9.5	10.5	6.0	5.0	5.5
17	19.5	17.5	18.5	15.5	9.0	12.5	12.0	9.5	10.5	7.5	5.5	6.0
18	18.5	17.0	17.5	14.0	10.5	13.0	11.0	9.0	10.0	8.5	6.0	7.0
19	---	---	---	11.5	9.0	9.5	12.0	9.0	10.5	9.5	8.5	9.0
20	---	---	---	14.0	9.0	10.0	11.5	8.5	10.0	9.0	8.0	8.5
21	---	---	---	15.0	9.5	12.0	---	---	---	8.5	6.5	7.5
22	---	---	---	14.0	9.5	11.5	---	---	---	9.0	5.5	7.0
23	---	---	---	12.5	9.5	10.5	---	---	---	7.0	5.0	5.5
24	20.0	17.0	18.0	10.0	9.0	9.5	---	---	---	7.5	6.0	7.0
25	21.0	19.0	20.0	9.5	8.5	9.0	---	---	---	9.0	6.5	7.5
26	21.5	19.5	20.5	9.5	8.5	9.0	---	---	---	9.0	6.5	8.0
27	21.0	18.5	20.0	12.5	9.0	10.0	---	---	---	8.5	7.5	8.0
28	21.0	17.0	20.0	13.5	10.0	11.5	---	---	---	8.0	6.5	7.5
29	17.0	16.0	16.5	13.0	11.0	12.0	---	---	---	6.5	6.0	6.0
30	18.0	15.5	16.0	14.0	11.0	12.0	---	---	---	7.0	6.0	6.0
31	19.0	14.5	16.5	---	---	---	---	---	---	8.5	6.0	6.5
MONTH	24.5	14.5	20.3	20.5	8.5	12.2	14.5	6.5	10.7	10.0	3.0	6.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	8.5	7.0	7.5	14.0	12.5	13.5	---	---	---	18.5	17.0	18.0
2	9.0	6.5	7.5	13.0	12.0	12.5	13.0	12.0	12.5	19.0	17.5	18.0
3	8.0	4.5	5.5	12.5	10.5	12.0	13.5	12.5	13.0	19.5	17.5	18.5
4	4.5	4.0	4.5	12.5	11.0	11.5	15.0	13.5	14.0	22.0	18.5	20.0
5	5.0	3.0	3.5	12.0	11.0	11.5	16.0	13.0	15.0	23.0	18.0	20.0
6	8.0	3.0	4.5	12.5	11.0	11.5	16.0	14.5	15.5	23.0	18.0	20.5
7	7.0	3.5	4.5	12.5	12.0	12.5	14.5	14.0	14.5	23.5	16.0	20.0
8	7.5	4.0	5.0	12.0	10.5	11.5	15.0	13.5	14.0	23.0	17.0	20.0
9	8.0	6.0	7.0	10.5	9.0	10.0	14.0	13.5	13.5	24.0	19.0	21.0
10	9.0	7.5	8.5	9.5	8.0	8.5	14.0	13.0	13.5	23.5	19.5	21.5
11	9.5	8.5	9.0	11.0	7.0	8.5	15.0	13.0	13.5	22.5	20.5	21.5
12	9.5	8.0	9.0	11.0	7.5	9.5	15.0	13.5	14.0	23.0	21.0	22.0
13	9.5	8.0	9.0	11.5	8.0	9.5	15.5	14.0	15.0	21.5	20.0	21.0
14	8.5	7.5	8.0	10.5	9.0	9.5	16.5	13.5	15.0	21.0	19.5	20.0
15	8.5	7.5	8.0	11.5	10.0	11.0	18.0	15.5	17.0	20.5	19.5	20.0
16	8.5	7.5	8.0	13.0	11.0	12.0	18.5	16.5	17.5	21.5	19.5	20.5
17	9.0	7.0	7.5	13.5	12.0	13.0	18.5	17.0	17.5	23.0	19.0	20.5
18	8.0	7.0	7.5	13.5	12.5	13.5	19.0	15.5	17.5	23.0	19.5	20.5
19	8.0	7.0	7.5	13.5	10.0	12.0	18.0	16.5	17.0	24.5	20.5	22.0
20	8.0	7.5	7.5	11.0	10.0	10.5	18.0	16.5	17.5	25.0	20.5	22.5
21	9.5	7.5	8.5	10.5	9.5	10.0	19.0	16.0	17.0	25.5	20.5	22.0
22	10.0	9.0	9.5	11.0	9.0	10.0	19.5	17.0	18.0	26.0	20.5	23.0
23	11.5	9.5	10.5	11.0	9.5	10.5	20.0	14.5	17.5	25.5	22.0	23.0
24	12.5	11.5	12.0	11.0	10.0	10.5	19.5	15.0	17.5	26.5	21.5	23.0
25	13.5	10.5	12.5	11.5	11.0	11.5	20.0	18.0	19.0	25.5	22.0	23.0
26	13.5	10.0	12.0	12.5	11.0	12.0	19.0	16.0	18.5	26.0	22.0	23.0
27	15.0	12.0	13.5	12.5	12.0	12.5	19.5	16.0	17.5	24.5	22.0	22.5
28	14.5	13.5	14.0	12.5	11.5	12.0	20.0	17.0	18.5	25.0	22.0	24.0
29	14.0	13.5	14.0	12.0	11.5	11.5	19.5	17.0	18.5	25.5	22.0	23.5
30	---	---	---	12.0	11.0	11.5	19.0	17.0	18.0	25.0	22.0	23.0
31	---	---	---	---	---	---	---	---	---	24.0	22.0	23.0
MONTH	15.0	3.0	8.5	14.0	7.0	11.2	20.0	12.0	16.1	26.5	16.0	21.3



## SANTEE RIVER BASIN

02160991 BROAD RIVER NEAR JENKINSVILLE, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.5	7.0	7.2	8.5	8.2	8.4	9.5	9.1	9.3	---	---	---
2	7.4	6.5	6.9	8.6	7.0	7.9	9.7	9.0	9.5	12.1	10.1	10.7
3	6.7	6.3	6.6	8.3	7.1	7.7	9.3	8.3	8.8	12.0	10.6	11.3
4	7.2	6.3	6.6	8.4	8.0	8.2	9.9	8.4	9.0	11.4	10.6	11.0
5	7.1	6.0	6.6	8.2	8.0	8.1	9.9	8.7	9.4	11.4	10.7	11.1
6	7.1	6.2	6.7	8.7	8.2	8.4	9.6	8.6	9.2	11.8	10.7	11.3
7	7.3	6.8	7.0	9.1	7.9	8.5	9.8	8.9	9.3	11.9	10.7	11.5
8	6.8	6.3	6.5	9.5	8.2	8.9	9.6	8.6	9.0	12.1	10.8	11.3
9	6.7	6.4	6.5	9.6	7.8	9.2	10.3	9.1	9.8	12.3	10.6	11.3
10	6.8	6.4	6.6	9.6	7.7	9.2	10.6	9.9	10.3	12.9	10.8	12.2
11	6.9	6.5	6.7	9.7	9.5	9.6	10.6	8.7	9.5	12.8	11.3	12.3
12	6.8	6.3	6.6	9.7	9.0	9.3	10.8	9.0	10.0	12.8	10.7	11.9
13	6.8	6.3	6.5	9.7	9.2	9.5	11.2	9.6	10.5	12.4	10.7	11.6
14	6.7	6.2	6.5	9.8	8.6	9.4	10.9	9.1	9.6	12.2	11.1	12.0
15	7.6	6.2	7.0	9.8	8.4	9.4	10.6	9.3	10.1	12.4	12.0	12.3
16	7.9	7.6	7.7	10.2	8.5	9.4	10.4	9.7	9.9	12.4	11.7	12.1
17	7.7	7.3	7.6	10.2	8.6	9.2	10.2	9.3	9.8	12.1	11.2	11.8
18	7.7	7.2	7.5	9.8	8.8	9.1	10.4	9.7	10.1	11.9	11.3	11.7
19	---	---	---	10.4	9.4	10.1	10.2	9.5	9.8	11.3	10.7	11.0
20	---	---	---	10.4	8.7	10.0	10.3	9.6	10.0	11.4	10.5	10.9
21	---	---	---	10.1	8.4	9.3	---	---	---	11.8	11.4	11.6
22	---	---	---	10.0	8.4	9.3	---	---	---	11.9	10.7	11.5
23	---	---	---	10.0	8.8	9.4	---	---	---	12.1	11.3	12.0
24	8.1	7.3	7.8	10.1	9.6	9.8	---	---	---	11.9	11.0	11.6
25	7.8	7.0	7.3	10.2	10.0	10.1	---	---	---	11.7	10.7	11.3
26	7.7	7.0	7.2	10.1	9.7	9.8	---	---	---	11.3	10.5	10.9
27	7.9	7.0	7.4	10.0	8.8	9.6	---	---	---	11.3	10.5	11.1
28	8.0	6.9	7.3	10.0	8.5	9.5	---	---	---	11.9	10.5	11.4
29	7.9	7.7	7.8	9.8	8.8	9.4	---	---	---	12.5	11.9	12.0
30	7.9	7.4	7.7	9.5	8.8	9.2	---	---	---	12.0	11.3	11.7
31	8.3	7.0	7.7	---	---	---	---	---	---	11.6	10.8	11.3
MONTH	8.3	6.0	7.1	10.4	7.0	9.2	11.2	8.3	9.6	12.9	10.1	11.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.2	10.8	11.0	9.9	9.1	9.4	---	---	---	7.9	7.5	7.7
2	11.1	10.5	10.9	9.7	9.3	9.5	9.9	9.6	9.8	8.0	7.7	7.9
3	12.5	10.8	11.8	10.2	9.5	10.0	9.9	9.7	9.8	8.1	7.5	7.9
4	13.1	12.3	12.7	10.4	9.9	10.1	9.7	9.4	9.5	8.0	7.6	7.8
5	12.9	12.2	12.7	10.8	10.1	10.3	9.4	9.0	9.2	7.9	7.4	7.7
6	12.9	11.0	12.3	10.2	9.8	10.0	9.2	8.7	9.0	8.0	7.3	7.7
7	12.9	11.5	12.6	10.0	9.5	9.6	9.1	8.8	8.9	8.7	7.6	8.0
8	12.8	10.9	12.4	9.9	9.6	9.7	9.3	8.7	9.0	8.3	7.3	7.8
9	11.9	10.9	11.5	10.2	9.7	10.0	9.6	9.2	9.4	8.2	7.4	7.7
10	11.4	10.7	10.9	10.9	9.5	10.3	9.7	9.3	9.5	8.1	7.2	7.6
11	10.8	10.5	10.7	11.0	10.4	10.9	9.7	9.4	9.6	8.0	7.3	7.6
12	10.7	10.4	10.5	11.0	10.3	10.7	9.9	9.3	9.6	7.7	7.2	7.5
13	10.7	10.3	10.5	11.1	10.2	10.7	9.8	9.2	9.6	7.8	7.3	7.5
14	11.1	10.6	10.9	11.1	10.5	10.7	9.4	8.8	9.1	8.3	7.6	7.9
15	11.9	10.9	11.1	10.6	10.3	10.5	9.1	8.5	8.8	8.7	8.2	8.3
16	11.0	10.7	10.8	10.3	9.9	10.1	8.9	8.4	8.7	9.0	8.3	8.7
17	10.9	10.6	10.8	10.2	9.5	9.8	8.7	8.2	8.4	8.9	8.0	8.5
18	11.0	10.6	10.8	10.1	9.4	9.6	8.9	8.4	8.7	8.7	8.3	8.5
19	11.3	10.5	11.0	10.1	9.5	9.8	8.7	8.4	8.5	8.8	8.2	8.5
20	11.3	11.0	11.2	10.3	9.5	9.9	8.8	8.1	8.4	8.6	7.9	8.4
21	11.1	10.6	10.9	10.6	9.9	10.2	8.7	8.3	8.4	8.6	7.9	8.2
22	10.8	10.4	10.6	10.5	9.8	10.2	8.9	7.7	8.4	8.7	7.9	8.3
23	10.5	10.0	10.2	10.3	9.8	10.2	8.7	8.2	8.4	8.6	7.8	8.3
24	10.0	9.7	9.9	10.4	10.0	10.2	8.5	8.0	8.2	8.4	7.7	8.0
25	10.1	9.5	9.7	10.4	9.8	10.1	8.5	7.7	8.2	8.4	7.8	8.1
26	10.2	9.3	9.9	10.1	9.7	9.9	8.4	8.0	8.2	8.2	7.2	7.8
27	9.9	9.5	9.7	10.1	9.6	9.8	8.4	7.9	8.2	8.1	7.2	7.7
28	9.6	9.4	9.5	9.8	9.4	9.7	8.3	7.9	8.1	7.8	6.7	7.1
29	9.8	9.1	9.4	10.0	9.5	9.8	8.2	7.4	7.9	7.2	6.8	7.0
30	---	---	---	10.2	9.8	10.0	8.2	7.4	7.8	7.8	7.1	7.4
31	---	---	---	---	---	---	---	---	---	7.9	7.4	7.5
MONTH	13.1	9.1	10.9	11.1	9.1	10.1	9.9	7.4	8.8	9.0	6.7	7.9





SANTEE RIVER BASIN  
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 mile 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.--Data collection platform. Datum of gage is 211.91 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, Jan. 15, 16, Apr. 12 - 15, 29, 30, June 12, 13, 20 - 24, Sept. 16, 17, which are poor. Regulation at low and medium flow by powerplants above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2340	5110	4610	4230	12000	6360	13300	20000	5110	3280	2600	4940
2	2530	8090	4290	4720	15800	7040	18600	9720	4620	3790	2620	3930
3	2590	9620	6120	4300	36300	6780	16600	11700	4830	2000	2450	1720
4	10900	10900	6220	5840	53600	5610	11800	5690	3340	1890	2480	4190
5	18800	10000	4890	7360	37200	6250	11400	4760	4260	1940	3650	7150
6	20300	7810	4390	5030	23600	8400	11300	4560	3120	1880	4360	5720
7	24000	6470	5170	8700	9050	32600	10600	2000	3820	1910	3690	8210
8	14000	15500	5180	5370	12600	41900	6390	8780	6190	1940	2760	5910
9	8000	22700	4200	6460	12300	33700	9430	7150	5500	1950	3350	6660
10	10500	12000	5390	5420	8470	26100	7150	4470	6930	1940	4090	3710
11	5200	11500	9310	10000	9580	13400	8950	4360	7150	2750	3260	4720
12	4330	26600	5930	6080	7550	12600	12000	4450	6300	3090	2730	1830
13	4320	28000	5270	5510	7290	8830	10500	4620	5300	4050	3700	1340
14	4460	24000	4460	5590	5900	9830	9200	4460	4280	1850	10100	2380
15	8520	11900	4130	5900	9150	7360	7700	4630	3660	1300	9310	4250
16	15600	5010	4120	6800	9570	12100	4770	4760	3890	1800	4880	3000
17	10300	7510	8510	8000	4540	12500	3450	4620	6530	6160	4200	4000
18	6060	4450	4520	6990	7530	10400	3340	4480	6300	3640	4080	5240
19	7480	9540	4950	9710	8060	18900	3000	4270	5120	1620	3110	4980
20	4840	8330	6110	22600	6710	22500	5450	4290	6500	1720	2550	4880
21	4020	5830	6310	21000	7390	19500	9240	3490	7000	1890	2870	1890
22	4070	6580	6170	18000	9060	16800	5760	4530	6000	1940	2640	2640
23	4160	3770	6640	9330	7790	13900	6040	4430	5000	2600	2210	1980
24	4230	3840	5780	7610	8200	9770	3480	3670	4000	3350	1950	2470
25	4370	7040	5900	10500	8980	10500	3220	3260	3230	3190	2080	3360
26	4160	9630	5450	8600	9230	6780	5840	5900	2650	2360	4500	2820
27	4340	7640	3890	15900	6950	9120	4320	10200	1750	1610	2610	2890
28	4080	8170	3710	36900	6010	13700	3500	7610	2880	2830	2580	2860
29	8980	5590	4280	41500	5320	11200	7000	4540	3140	3990	4380	1860
30	9360	6650	4160	23600	---	21500	14000	6900	2820	2620	5050	3210
31	5140	---	4230	15900	---	11500	---	10400	---	2060	4970	---
TOTAL	241980	309780	164290	353450	365730	447430	247330	188700	141220	78940	115810	114740
MEAN	7806	10330	5300	11400	12610	14430	8244	6087	4707	2546	3736	3825
MAX	24000	28000	9310	41500	53600	41900	18600	20000	7150	6160	10100	8210
MIN	2340	3770	3710	4230	4540	5610	3000	2000	1750	1300	1950	1340
CFSM	1.63	2.16	1.11	2.38	2.63	3.01	1.72	1.27	.98	.53	.78	.80
IN.	1.88	2.41	1.28	2.74	2.84	3.47	1.92	1.47	1.10	.61	.90	.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1996, BY WATER YEAR (WY)

MEAN	4822	5113	6346	8869	9664	10610	7312	5471	4239	3212	4513	2859
MAX	17360	14500	14020	17790	16960	21560	13290	12550	6713	6516	10210	4666
(WY)	1991	1993	1984	1993	1990	1993	1983	1984	1992	1984	1995	1995
MIN	1698	1805	2431	3040	3526	3685	2864	2572	1599	1218	1072	1653
(WY)	1988	1982	1989	1981	1986	1981	1986	1988	1988	1986	1988	1988

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1981 - 1996	
ANNUAL TOTAL	2988260		2769400			
ANNUAL MEAN	8187		7567		6072	
HIGHEST ANNUAL MEAN					9649	
LOWEST ANNUAL MEAN					3100	
HIGHEST DAILY MEAN	85100		53600		106000	
LOWEST DAILY MEAN	1360		1300		242	
ANNUAL SEVEN-DAY MINIMUM	1880		1920		797	
INSTANTANEOUS PEAK FLOW			55600		119000	
INSTANTANEOUS PEAK STAGE			19.17		26.94	
ANNUAL RUNOFF (CFSM)	1.71		1.58		1.27	
ANNUAL RUNOFF (INCHES)	23.21		21.51		17.22	
10 PERCENT EXCEEDS	13600		13900		11800	
50 PERCENT EXCEEDS	5560		5470		4160	
90 PERCENT EXCEEDS	2950		2570		1580	

## SANTEE RIVER BASIN

02161700 WEST FORK LITTLE RIVER NEAR SALEM CROSSROADS, SC

LOCATION.--Lat 34°27'08'', long 81°15'45'', Fairfield County, Hydrologic Unit 03050106, right side of left channel, on upstream side of bridge on State Road 346, 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. All figures of discharge less than 700 ft<sup>3</sup>/s prior to October 1983 are unreliable and should not be used.

GAGE.--Water-stage recorder. Elevation of gage is 327 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, July 21 to Sept. 17, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	13	9.8	14	44	7.6	70	63	5.2	1.8	2.0	2.2
2	43	21	9.3	18	375	7.5	60	40	5.0	1.7	1.8	2.9
3	43	29	8.7	62	974	6.8	35	29	4.9	1.4	1.5	4.8
4	846	19	8.7	26	90	6.3	26	23	4.9	1.2	1.5	6.8
5	320	15	8.6	17	51	6.5	22	19	4.5	1.2	1.7	4.2
6	58	14	8.7	15	38	269	21	16	4.2	1.7	1.7	2.5
7	31	27	12	68	32	684	21	15	4.0	1.6	1.5	2.3
8	20	51	9.9	50	29	157	16	14	11	1.4	1.5	4.2
9	16	25	18	31	25	53	15	13	32	1.3	1.4	3.0
10	14	19	18	29	20	33	13	12	8.9	1.2	1.4	2.7
11	12	112	13	23	19	25	12	15	6.1	.97	1.4	2.6
12	11	222	12	25	16	21	11	28	5.0	1.1	2.8	2.3
13	12	43	11	22	14	17	13	12	4.9	1.2	4.5	2.2
14	26	30	10	18	14	15	31	10	9.5	1.0	3.7	2.2
15	27	23	10	16	13	16	15	9.7	5.0	2.2	2.1	2.0
16	11	18	9.8	14	12	37	14	9.7	4.3	6.6	1.9	3.8
17	9.1	16	9.2	13	11	202	11	9.0	3.9	2.1	1.8	17
18	8.4	14	9.3	13	11	51	10	8.6	3.8	1.6	1.7	2.7
19	8.3	13	31	62	10	645	12	7.7	3.4	2.7	1.7	1.0
20	8.3	12	32	38	16	152	17	7.2	3.5	14	1.8	.56
21	9.4	12	13	23	15	57	15	6.7	3.1	10	1.8	.53
22	8.0	10	11	19	12	39	11	6.2	2.8	5.0	1.8	.76
23	7.6	10	9.9	17	11	28	10	5.9	2.6	2.2	1.9	.55
24	7.6	13	9.1	20	9.8	23	9.7	5.3	2.4	2.4	2.2	.39
25	7.6	33	12	19	8.4	20	8.2	43	2.2	5.8	2.4	.37
26	7.7	18	12	15	8.8	18	18	14	2.0	3.8	2.3	.35
27	8.3	14	12	676	8.7	18	19	9.3	1.9	2.6	2.5	.36
28	81	12	12	122	9.4	82	10	9.0	1.7	2.2	3.4	.56
29	21	11	12	52	8.7	58	66	7.4	1.7	2.0	1.7	1.1
30	14	11	12	40	---	34	325	7.4	1.8	2.0	2.0	35
31	12	---	11	52	---	27	---	5.9	---	2.0	2.3	---
TOTAL	1752.3	880	385.0	1629	1905.8	2815.7	936.9	481.0	156.2	87.97	63.7	111.93
MEAN	56.5	29.3	12.4	52.5	65.7	90.8	31.2	15.5	5.21	2.84	2.05	3.73
MAX	846	222	32	676	974	684	325	63	32	14	4.5	35
MIN	7.6	10	8.6	13	8.4	6.3	8.2	5.3	1.7	.97	1.4	.35
CFSM	2.22	1.15	.49	2.06	2.58	3.56	1.22	.61	.20	.11	.08	.15
IN.	2.56	1.28	.56	2.38	2.78	4.11	1.37	.70	.23	.13	.09	.16

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1996, BY WATER YEAR (WY)

	MEAN	26.0	21.8	26.4	46.3	57.0	52.0	21.2	12.2	6.29	9.57	21.5	6.11
MAX	135	102	107	130	107	130	49.6	67.7	16.2	68.4	92.9	22.3	
(WY)	1991	1993	1984	1993	1990	1993	1983	1984	1989	1989	1995	1995	
MIN	1.18	1.45	3.86	5.08	11.8	5.62	4.57	2.90	1.15	1.06	.90	.000	
(WY)	1988	1982	1989	1981	1986	1985	1985	1995	1988	1988	1983	1983	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1981 - 1996

ANNUAL TOTAL	13581.39	11205.50		
ANNUAL MEAN	37.2	30.6		
HIGHEST ANNUAL MEAN			25.4	
LOWEST ANNUAL MEAN			51.6	1993
HIGHEST DAILY MEAN	944	Jan 15	8.26	1988
LOWEST DAILY MEAN	.51***	Jul 14		
ANNUAL SEVEN-DAY MINIMUM	.66	Jul 9	.00	* Jul 5 1982
INSTANTANEOUS PEAK FLOW			.00	Jul 5 1982
INSTANTANEOUS PEAK STAGE			** 5470	Mar 3 1991
ANNUAL RUNOFF (CFSM)	1.46		9.39	Mar 3 1991
ANNUAL RUNOFF (INCHES)	19.81		1.00	
10 PERCENT EXCEEDS	71		13.55	
50 PERCENT EXCEEDS	13		43	
90 PERCENT EXCEEDS	2.4		6.4	
			1.4	

\* No flow also occurred on July 6 - 11, 1982, and many days July to Sept. 1983.

\*\* From rating curve extended above 1200 ft<sup>3</sup>/s.

\*\*\* Also occurred on July 15.

SANTÉE 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.--December 1966 to September 1983; February 1985 to September 1996 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 240 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges, June 13 to July 25. Records poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	7.5	8.8	10	82	8.2	443	58	4.4	.10	2.3	2.1
2	4.8	8.5	8.2	11	108	7.6	159	33	4.2	.10	2.9	2.0
3	4.9	15	8.2	10	332	7.5	73	20	4.1	.10	3.0	2.0
4	34	12	8.3	9.0	90	7.4	47	14	4.0	.10	2.3	2.8
5	50	9.8	8.6	7.1	49	7.2	37	11	4.0	.10	2.3	2.8
6	23	8.2	8.9	6.4	35	15	31	9.2	4.0	.10	2.0	2.0
7	12	23	12	24	29	946	34	8.5	3.9	.10	2.6	2.1
8	8.3	89	15	25	22	230	26	8.6	7.8	.10	2.9	3.5
9	6.4	30	12	9.6	18	87	20	9.6	14	.10	2.1	4.1
10	5.7	17	13	7.4	15	47	16	11	4.5	.10	9.8	3.2
11	5.3	102	11	6.3	13	35	14	9.2	2.7	.10	17	5.8
12	4.5	130	13	6.6	12	30	12	8.2	2.4	.10	6.5	4.8
13	4.4	37	9.0	7.3	10	24	11	6.8	2.3	.10	8.4	3.1
14	5.0	20	9.0	6.5	9.9	22	14	6.2	2.2	.10	6.9	2.2
15	33	15	8.6	5.8	9.9	25	11	6.0	2.0	.10	3.6	1.9
16	11	12	9.8	5.3	9.6	45	9.1	6.0	1.9	.10	2.1	2.8
17	7.5	12	9.2	5.1	9.1	34	6.7	6.0	1.8	.50	1.6	21
18	6.2	11	8.0	5.1	8.6	32	8.2	5.7	1.7	150	4.0	6.1
19	5.2	10	25	72	8.1	32	9.8	5.0	1.6	70	2.9	3.3
20	4.7	9.9	24	36	8.6	39	15	4.8	1.4	30	1.9	2.4
21	4.0	9.8	11	14	11	31	15	4.4	1.3	15	1.6	2.2
22	4.3	9.4	8.2	9.3	9.7	25	12	4.4	1.2	8.0	1.7	17
23	3.7	8.2	7.0	7.6	9.0	23	9.6	4.2	1.1	4.0	1.8	7.4
24	4.4	8.5	6.0	8.0	9.1	20	9.4	4.0	.90	2.0	2.0	3.6
25	4.8	12	5.6	13	8.2	19	8.0	3.7	.80	1.0	2.6	2.5
26	4.8	11	5.6	7.9	7.6	18	8.8	3.7	.70	3.5	2.2	2.5
27	5.0	9.2	5.3	77	7.7	14	20	10	.50	2.7	2.2	2.1
28	33	9.0	5.2	45	8.4	269	11	5.8	.40	2.5	2.0	2.1
29	15	9.0	5.0	19	11	129	8.9	5.0	.30	2.4	2.1	2.1
30	7.8	9.3	5.9	13	---	61	159	4.6	.20	2.2	2.1	3.5
31	6.3	---	6.6	195	---	47	---	4.9	---	2.2	1.9	---
TOTAL	333.8	674.3	301.0	684.3	960.5	2336.9	1258.5	301.5	82.30	297.60	109.3	125.0
MEAN	10.8	22.5	9.71	22.1	33.1	75.4	41.9	9.73	2.74	9.60	3.53	4.17
MAX	50	130	25	195	332	946	443	58	14	150	17	21
MIN	3.7	7.5	5.0	5.1	7.6	7.2	6.7	3.7	.20	.10	1.6	1.9
CFSM	.22	.46	.20	.45	.68	1.54	.86	.20	.06	.20	.07	.09
IN.	.25	.51	.23	.52	.73	1.78	.96	.23	.06	.23	.08	.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1996, BY WATER YEAR (WY)

MEAN	21.3	21.3	37.0	81.3	72.8	101	58.9	26.8	28.9	24.6	20.4	13.9
MAX	164	107	162	239	200	298	185	121	183	164	73.3	75.6
(WY)	1991	1977	1982	1978	1973	1980	1969	1978	1973	1975	1967	1987
MIN	3.77	3.08	4.97	9.74	14.2	11.2	6.78	5.02	2.74	1.29	1.84	.71
(WY)	1969	1975	1989	1986	1986	1985	1994	1986	1996	1986	1988	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1967 - 1996
ANNUAL TOTAL	11890.4	7465.00	
ANNUAL MEAN	32.6	20.4	43.3
HIGHEST ANNUAL MEAN			76.8
LOWEST ANNUAL MEAN			17.4
HIGHEST DAILY MEAN	923	Feb 18	2910
LOWEST DAILY MEAN	1.6 *	Jul 25	.07
ANNUAL SEVEN-DAY MINIMUM	1.7	Aug 9	.09
INSTANTANEOUS PEAK FLOW			4870
INSTANTANEOUS PEAK STAGE			18.42
ANNUAL RUNOFF (CFSM)	.67		.88
ANNUAL RUNOFF (INCHES)	9.05		12.02
10 PERCENT EXCEEDS	71		73
50 PERCENT EXCEEDS	9.0		14
90 PERCENT EXCEEDS	3.0		3.3

\* Also occurred on July 26, Aug. 10.

\*\* Also occurred on July 2 - 16.

## SANTEE RIVER BASIN

02162093 SMITH BRANCH AT NORTH MAIN STREET AT 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. Datum of gage is 199.10 ft above sea level.

REMARKS.--No estimated daily discharges. Records good except those below 3.0 ft<sup>3</sup>/s, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	3.9	3.2	6.0	6.1	3.6	17	4.7	3.3	1.9	3.0	1.9
2	2.6	18	2.9	4.4	38	3.7	7.6	4.0	3.2	1.9	3.5	7.6
3	2.7	6.1	2.9	3.9	15	3.5	6.3	3.8	3.2	1.9	3.9	2.8
4	55	3.8	2.9	3.0	6.8	3.5	6.0	3.7	25	1.8	2.5	2.7
5	12	3.5	3.1	2.9	6.3	3.7	5.2	3.4	4.1	5.4	8.6	2.3
6	4.0	3.5	3.3	4.1	6.2	21	21	3.6	3.1	2.4	36	2.0
7	3.4	19	22	18	6.2	277	6.2	4.1	3.2	2.0	3.5	2.2
8	3.1	5.0	3.5	3.9	5.6	15	5.6	3.6	46	8.1	2.5	3.4
9	2.9	4.0	15	3.6	5.5	9.3	5.2	3.3	5.1	2.4	2.4	2.0
10	2.8	3.4	3.8	3.7	4.7	7.7	4.9	3.2	3.3	2.0	2.3	2.3
11	2.6	45	3.5	3.3	4.5	7.0	4.7	3.1	3.6	1.9	2.2	2.0
12	2.6	6.1	3.5	9.2	4.2	6.8	4.7	3.0	8.0	2.9	9.8	1.8
13	2.8	4.5	3.3	3.5	4.0	6.4	7.4	2.9	6.0	4.4	32	1.8
14	21	5.5	3.3	3.2	4.2	5.6	7.1	2.9	3.0	2.2	8.5	1.6
15	3.5	4.2	3.2	3.5	4.5	16	5.6	2.9	6.5	15	2.7	1.5
16	2.6	3.6	3.2	3.5	4.8	6.6	4.4	2.9	2.5	123	2.4	13
17	2.6	3.5	3.1	3.5	4.3	11	4.1	3.1	5.5	4.5	2.3	2.2
18	2.5	3.3	3.9	5.1	4.2	6.0	4.0	2.7	2.6	2.9	8.8	1.8
19	2.6	3.3	36	15	3.9	15	5.1	2.6	2.4	2.5	2.1	1.9
20	4.3	3.3	4.9	3.8	7.8	5.7	6.3	3.8	2.8	2.4	2.1	2.1
21	2.6	3.4	4.2	3.5	3.7	5.1	4.1	2.6	9.7	3.1	2.1	78
22	2.2	3.1	3.7	3.5	3.5	4.9	3.8	2.5	2.6	2.2	1.9	5.7
23	2.3	3.0	3.5	3.9	3.5	4.7	3.9	2.4	2.2	5.2	5.4	2.8
24	2.3	9.0	3.5	8.4	3.5	4.4	3.8	2.4	2.2	4.8	2.2	2.6
25	2.6	3.7	3.4	3.7	3.2	4.4	3.6	2.4	2.2	5.8	13	2.6
26	2.6	3.2	3.3	3.6	3.4	4.4	17	64	2.1	2.4	23	2.6
27	63	3.3	3.2	56	3.5	8.5	4.1	55	2.0	4.4	2.7	4.9
28	13	3.4	3.2	6.0	17	53	3.7	55	2.0	2.1	2.3	5.4
29	3.7	3.2	3.2	5.2	3.9	7.7	3.9	4.8	1.9	2.2	2.3	6.4
30	3.2	3.0	3.3	5.6	---	6.2	48	3.8	1.9	2.1	2.0	33
31	13	---	6.4	26	---	22	---	3.4	---	23	2.0	---
TOTAL	248.7	190.8	171.4	232.5	192.0	559.4	234.3	265.6	171.2	248.8	200.0	202.9
MEAN	8.02	6.36	5.53	7.50	6.62	18.0	7.81	8.57	5.71	8.03	6.45	6.76
MAX	63	45	36	56	38	277	48	64	46	123	36	78
MIN	2.2	3.0	2.9	2.9	3.2	3.5	3.6	2.4	1.9	1.8	1.9	1.5
CFSM	1.41	1.12	.98	1.32	1.17	3.18	1.38	1.51	1.01	1.42	1.14	1.19
IN.	1.63	1.25	1.12	1.53	1.26	3.67	1.54	1.74	1.12	1.63	1.31	1.33

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1996, BY WATER YEAR (WY)

MEAN	7.74	7.06	8.80	12.3	11.4	14.2	8.80	6.91	9.66	10.3	9.60	6.90
MAX	25.7	16.0	25.5	27.6	23.4	29.9	23.0	21.0	34.3	31.3	24.5	12.9
(WY)	1991	1987	1977	1987	1979	1980	1989	1991	1995	1991	1986	1987
MIN	1.80	2.29	2.62	2.79	3.64	3.58	1.94	3.26	2.11	3.17	1.46	1.31
(WY)	1979	1985	1989	1986	1986	1985	1986	1977	1990	1993	1983	1985

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1977 - 1996

ANNUAL TOTAL	4207.7	2917.6	9.63
ANNUAL MEAN	11.5	7.97	14.8
HIGHEST ANNUAL MEAN			6.44
LOWEST ANNUAL MEAN			1990
HIGHEST DAILY MEAN	335	277	335
LOWEST DAILY MEAN	1.8	1.5	.82
ANNUAL SEVEN-DAY MINIMUM	1.9	1.9	.92
INSTANTANEOUS PEAK FLOW		1520	2120
INSTANTANEOUS PEAK STAGE		9.12	11.69
INSTANTANEOUS LOW FLOW		1.4	.46
ANNUAL RUNOFF (CFSM)	2.03	1.41	1.70
ANNUAL RUNOFF (INCHES)	27.61	19.14	23.09
10 PERCENT EXCEEDS	20	15	18
50 PERCENT EXCEEDS	4.3	3.6	3.7
90 PERCENT EXCEEDS	2.3	2.2	1.7

\* Also occurred on Aug. 2, 4, 5, 11 - 14, 1980.

\*\* Also occurred on Sept. 15.



## SANTEE RIVER BASIN

02162100 BROAD RIVER DIVERSION DAM AT COLUMBIA, SC

LOCATION.--Lat 34°02'00'', long 81°04'09'', Richland County, Hydrologic Unit 03050106, at Diversion Dam, 1.7 mi above confluence of Broad and Saluda Rivers, 3.0 mi northwest of Columbia, and at mile 177.

DRAINAGE AREA.--Undetermined.

PERIOD OF RECORD.--October 1986 to current year. Records for October 1981 to September 1986 are in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 100.00 ft above sea level. Prior to Oct. 1, 1987, at datum 43.02 ft higher.

REMARKS.--Flow is regulated by Parr Shoals Reservoir (see sta. 02160990) and by gates at this station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 62.66 ft, Oct. 15, 1990; minimum gage height, 47.16 ft, Dec. 29, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 59.62 ft, Feb. 4; minimum gage height, 49.72 ft, July 4.

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51.37	53.97	53.64	53.53	55.27	53.39	54.97	55.97	53.68	52.40	51.97	53.27
2	51.64	54.24	52.68	53.69	54.97	54.03	55.30	54.81	53.22	52.49	52.11	53.05
3	51.99	54.68	53.62	53.58	57.74	53.93	55.18	54.56	53.31	52.05	52.02	51.54
4	53.36	54.98	53.77	53.89	59.38	53.43	54.49	53.90	52.39	51.29	52.07	52.02
5	56.29	54.81	53.54	54.38	58.34	53.57	54.45	53.43	52.90	52.21	52.51	52.96
6	56.29	54.47	53.21	53.94	56.86	53.41	54.37	53.25	52.27	51.46	53.25	53.59
7	56.82	54.30	52.94	54.31	54.63	57.12	54.45	51.81	51.85	51.88	53.35	53.52
8	55.63	54.84	53.65	54.12	54.75	58.15	53.38	52.46	52.97	52.35	51.73	53.74
9	54.64	56.75	53.23	54.19	55.15	57.47	53.69	53.93	53.81	52.37	52.29	53.13
10	54.84	55.58	53.06	53.95	54.60	56.62	53.84	53.47	53.22	52.82	52.81	53.32
11	54.49	55.06	54.37	54.40	53.97	55.07	53.73	53.04	53.70	52.69	52.36	53.34
12	53.97	56.68	53.86	54.29	54.51	54.67	53.75	53.00	53.51	52.42	53.00	52.15
13	53.87	57.21	53.80	53.72	54.06	53.90	53.53	53.25	53.24	53.45	51.76	51.37
14	53.82	56.93	53.21	53.74	54.05	54.12	53.63	53.02	53.24	52.47	54.06	51.23
15	54.16	55.26	52.83	53.83	54.30	53.75	53.79	53.14	52.56	51.31	54.51	52.82
16	55.86	54.46	53.29	53.72	54.57	54.36	53.97	53.29	52.66	52.60	53.90	52.59
17	55.21	54.32	53.93	53.84	53.36	54.37	53.37	53.36	52.57	52.93	53.08	53.00
18	54.40	54.02	53.61	54.26	53.60	54.26	53.55	52.97	53.58	52.93	52.71	53.59
19	54.49	54.41	53.28	54.32	54.30	54.73	53.07	52.76	53.37	51.72	52.38	53.44
20	54.33	54.52	53.84	56.29	53.83	55.77	53.36	53.19	52.44	51.06	---	53.31
21	53.83	54.35	53.90	56.31	53.84	55.41	54.12	52.11	51.79	52.20	---	52.45
22	53.83	54.20	53.84	55.95	54.17	54.98	54.17	53.10	52.59	52.05	---	52.09
23	53.76	52.72	54.14	54.76	54.28	55.06	53.91	52.73	53.08	51.78	51.77	52.66
24	53.76	52.14	54.08	54.48	54.18	54.21	53.76	52.26	52.35	52.72	51.38	51.77
25	53.87	52.80	53.96	54.57	54.08	53.93	53.31	51.85	52.11	52.45	51.23	52.69
26	53.77	54.61	53.86	54.57	54.49	53.71	53.53	53.25	52.62	52.30	52.41	52.13
27	53.85	54.05	53.10	55.05	54.01	53.18	53.76	54.05	51.51	51.03	52.36	51.81
28	53.90	54.52	52.70	57.59	53.68	54.95	53.51	54.91	51.54	52.19	51.66	52.40
29	54.20	53.91	53.49	58.35	---	54.32	53.31	53.33	52.40	53.02	52.51	52.14
30	54.76	53.84	53.43	56.81	---	55.35	55.11	53.24	52.13	52.62	53.34	52.17
31	54.18	---	53.48	55.82	---	54.61	---	54.68	---	51.82	53.31	---
MAX	56.82	57.21	54.37	58.35	59.38	58.15	55.30	55.97	53.81	53.45	54.51	53.74
MIN	51.37	52.14	52.68	53.53	53.36	53.18	53.07	51.81	51.51	51.03	51.23	51.23



## Santee River Basin

## 02162110 BROAD RIVER DIVERSION CANAL (FOREBAY) AT COLUMBIA, SC

LOCATION.--Lat 33°59'59'', long 81°03'00'', Richland County, Hydrologic Unit 03050110, on right bank of the diversion canal, approximately 300 ft above Gervais Street Bridge, at South Carolina Electric and Gas hydroelectric power plant on the left bank of Congaree River.

DRAINAGE AREA.--Undetermined.

PERIOD OF RECORD.--October 1985 to current year. Records for May 1975 to September 1985 are in the files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 100.00 ft above sea level.

REMARKS.--Stage regulated by South Carolina Electric and Gas hydroelectric plant operations.

EXTREMES FOR PERIOD OF RECORD.-- Maximum gage height, 54.79 ft, Feb. 25, 1994,; minimum gage height, 45.17 ft, Dec. 29, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 54.42 ft, Mar. 7; minimum gage height, 47.26 ft, May 25.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50.62	52.85	51.63	52.06	52.45	51.04	53.05	53.24	51.71	51.47	51.46	51.09
2	51.02	53.07	50.71	52.25	52.78	51.94	53.24	52.77	51.39	51.15	51.40	50.93
3	51.11	53.05	51.83	52.15	52.00	51.82	53.30	52.46	51.45	50.82	51.35	50.76
4	52.06	53.10	51.77	52.52	53.04	51.06	52.56	51.69	51.01	51.11	51.39	50.85
5	52.04	52.93	51.50	53.10	52.45	51.30	52.40	51.25	51.21	51.93	51.76	51.31
6	52.13	52.99	51.11	52.59	51.92	51.92	52.30	51.21	50.66	51.10	51.61	51.60
7	52.27	52.87	50.88	52.81	51.76	53.36	52.40	50.41	50.79	51.63	51.77	51.45
8	52.61	52.81	51.60	52.59	52.54	52.74	51.13	51.64	51.12	52.04	51.01	51.68
9	52.73	52.42	51.17	52.79	52.82	52.78	51.69	51.70	51.84	52.11	51.33	51.20
10	53.14	52.54	50.88	52.59	52.49	52.04	51.76	51.33	50.96	52.56	51.21	51.62
11	52.77	52.51	52.28	52.93	51.90	51.26	51.48	51.39	51.60	52.38	50.96	51.75
12	52.43	52.64	51.85	52.58	52.40	52.07	51.44	51.07	51.23	51.54	52.21	50.88
13	52.32	52.84	51.86	51.65	52.26	51.50	51.26	51.46	51.32	52.40	50.63	51.20
14	52.28	52.10	51.10	51.70	52.37	52.01	51.33	51.13	51.54	51.39	52.71	50.97
15	52.08	51.93	50.88	52.03	52.29	51.73	51.72	51.21	50.82	51.25	52.66	51.73
16	51.71	52.51	51.75	52.09	52.55	52.35	51.65	51.48	51.48	52.46	52.01	51.36
17	52.20	52.65	52.14	52.24	51.50	52.35	51.18	51.53	50.57	51.81	51.39	51.60
18	52.26	52.33	51.48	52.73	51.70	52.23	51.46	50.97	51.34	51.30	50.92	51.48
19	52.48	52.57	51.18	52.75	52.44	52.55	50.86	50.91	51.12	51.01	50.92	51.39
20	52.31	52.60	51.82	53.17	51.72	52.70	51.33	51.53	50.85	50.75	50.77	51.14
21	51.74	52.16	51.85	53.28	51.71	52.52	51.88	50.83	51.11	51.96	51.27	51.60
22	51.69	52.12	51.85	52.89	52.18	52.42	51.86	51.17	50.73	51.67	51.44	51.56
23	52.12	50.82	52.63	52.53	52.34	52.61	51.67	50.69	51.29	51.40	51.06	52.11
24	52.77	50.05	52.73	52.76	52.23	51.95	51.55	50.65	50.81	51.72	50.89	51.32
25	52.86	50.78	52.59	52.70	52.10	51.65	51.08	50.41	51.15	51.35	50.78	51.67
26	52.70	52.66	52.47	52.75	52.54	51.65	51.32	51.72	51.80	51.31	51.04	50.87
27	52.79	52.09	51.54	52.92	51.99	51.04	51.51	51.45	51.00	50.83	51.21	51.03
28	52.83	52.78	51.47	53.13	51.46	52.78	51.34	52.22	51.12	51.69	50.80	51.32
29	52.92	52.01	52.05	53.16	51.26	52.06	51.34	51.44	51.30	51.97	51.61	51.78
30	53.06	51.95	51.97	52.46	---	53.13	52.76	51.32	51.49	51.43	51.68	51.74
31	52.60	---	52.03	52.63	---	52.37	---	52.61	---	51.33	51.12	---
MAX	53.14	53.10	52.73	53.28	53.04	53.36	53.30	53.24	51.84	52.56	52.71	52.11
MIN	50.62	50.05	50.71	51.65	51.26	51.04	50.86	50.41	50.57	50.75	50.63	50.76

## SANTEE RIVER BASIN

02162350 MIDDLE SALUDA RIVER NEAR CLEVELAND, SC

LOCATION.--Lat 35°07'12'', long 82°32'16'', Greenville County, Hydrologic Unit 03050109, on right bank, downstream side of bridge at State Road 41, 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.

GAGE.--Water-stage recorder. Elevation of gage is 1,078 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	48	56	52	134	67	102	75	40	29	41	21
2	32	105	55	80	251	67	93	69	40	28	28	24
3	34	73	54	67	225	65	89	64	39	27	25	33
4	216	61	53	57	162	63	82	61	39	25	24	51
5	267	56	53	54	140	63	72	59	37	25	40	33
6	122	55	53	58	129	123	72	60	36	31	29	27
7	86	121	66	64	121	125	69	59	35	27	25	24
8	71	94	55	52	116	101	67	57	39	27	26	23
9	64	75	69	51	110	86	67	58	44	27	24	29
10	60	68	58	52	103	79	64	52	38	24	22	27
11	56	418	54	51	99	77	67	56	36	23	24	27
12	53	195	53	54	93	75	68	52	35	23	68	23
13	65	132	52	51	90	72	67	50	76	25	39	22
14	113	112	51	55	88	70	65	49	56	43	31	21
15	82	99	50	64	86	75	85	55	44	66	28	21
16	68	91	49	69	83	73	66	51	39	32	25	56
17	62	85	48	68	79	71	55	49	42	32	24	43
18	59	82	60	181	78	70	53	46	38	43	23	28
19	57	78	113	318	76	121	56	44	43	27	22	25
20	55	75	78	145	145	93	78	42	54	27	20	24
21	52	72	66	114	104	83	69	41	45	27	20	25
22	50	68	61	99	93	78	64	39	38	27	20	27
23	49	67	58	91	87	74	62	38	35	24	19	22
24	49	65	55	140	81	71	59	42	47	23	19	21
25	47	63	53	109	77	78	58	52	41	28	19	20
26	46	62	52	246	76	72	83	98	34	27	81	20
27	55	61	50	623	74	71	66	62	33	23	39	21
28	53	61	49	226	73	126	62	56	32	28	31	50
29	46	63	48	175	69	104	63	48	30	25	26	38
30	44	58	48	166	---	92	100	45	30	25	24	31
31	48	---	49	153	---	97	---	42	---	38	22	---
TOTAL	2194	2763	1769	3785	3142	2582	2123	1671	1215	906	908	857
MEAN	70.8	92.1	57.1	122	108	83.3	70.8	53.9	40.5	29.2	29.3	28.6
MAX	267	418	113	623	251	126	102	98	76	66	81	56
MIN	32	48	48	51	69	63	53	38	30	23	19	20
CFSM	3.37	4.39	2.72	5.81	5.16	3.97	3.37	2.57	1.93	1.39	1.39	1.36
IN.	3.89	4.89	3.13	6.70	5.57	4.57	3.76	2.96	2.15	1.60	1.61	1.52

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1996, BY WATER YEAR (WY)

	MEAN	40.8	50.4	66.2	73.0	78.7	85.4	76.3	64.8	55.9	43.0	49.1	35.7
MAX	94.3	154	129	141	158	180	136	122	106	88.5	143	72.5	
(WY)	1990	1993	1984	1993	1990	1990	1993	1984	1992	1989	1994	1994	
MIN	13.3	13.6	25.1	19.6	37.4	32.8	34.8	27.3	21.3	18.9	15.9	15.1	
(WY)	1994	1982	1989	1981	1989	1988	1986	1986	1988	1981	1981	1981	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1981 - 1996

ANNUAL TOTAL	27765	23915	
ANNUAL MEAN	76.1	65.3	60.6
HIGHEST ANNUAL MEAN			90.7
LOWEST ANNUAL MEAN			28.3
HIGHEST DAILY MEAN	977	623	1160
LOWEST DAILY MEAN	25	19	10
ANNUAL SEVEN-DAY MINIMUM	28	20	11
INSTANTANEOUS PEAK FLOW		1510	5190
INSTANTANEOUS PEAK STAGE		6.65	11.21
INSTANTANEOUS LOW FLOW		17	8.9
ANNUAL RUNOFF (CFSM)	3.62	3.11	2.88
ANNUAL RUNOFF (INCHES)	49.18	42.36	39.19
10 PERCENT EXCEEDS	118	106	105
50 PERCENT EXCEEDS	59	55	47
90 PERCENT EXCEEDS	40	25	20

\* Also occurred on Sept. 30, Oct. 3, 8, 1981.

\*\* From rating curve extended above 610 ft<sup>3</sup>/s, and on basis of contracted-opening measurement of peak flow.

\*\*\* Also occurred on Aug. 23, 24.

\*\*\*\* Also occurred on Aug. 18.

## SANTEE RIVER BASIN

02162500 SALUDA RIVER NEAR GREENVILLE, SC

LOCATION.--Lat 34°50'32'', long 82°28'51'', Pickens County, Hydrologic Unit 03050109, on right bank 700 ft upstream from bridge on State Road 124, 1.6 mi downstream Saluda Lake Dam, 2.4 mi upstream from Georges Creek, 4.6 mi west of city hall in Greenville, and at mile 132.0.

DRAINAGE AREA.--295 mi<sup>2</sup>.

PERIOD OF RECORD.--January 1942 to September 1978, October 1978 to January 1990 (crest-stage partial record), February 1990 to current year.

GAGE.--Data collection platform. Datum of gage is 797.48 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, Dec. 1, Jan. 9, 10, Aug. 11, 12, Sept. 1 - 3, which are poor. Some regulation at low and medium flow by powerplant at Saluda Lake. Capacity of reservoir insufficient to affect monthly figures of runoff. About 56 ft<sup>3</sup>/s per day is diverted above station for city of Greenville water supply during the 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 the Reedy River below station near Greenville.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	368	530	330	517	1330	779	1290	900	468	327	500	262
2	433	703	541	583	1650	682	1150	646	461	355	435	262
3	385	848	523	849	3210	714	958	668	459	310	387	290
4	1170	842	552	682	2220	712	909	641	467	238	347	435
5	2470	835	560	570	1580	726	866	616	531	280	316	761
6	2030	638	556	579	1370	1110	821	573	524	303	491	458
7	1240	733	589	815	1260	1920	828	614	401	310	384	215
8	832	2020	674	672	1160	1690	819	605	401	309	276	201
9	768	1220	686	600	1130	1200	661	596	462	313	293	201
10	642	916	712	700	1070	1030	804	528	461	314	297	206
11	614	1280	613	596	1030	918	684	553	448	306	300	295
12	581	2720	559	596	990	872	649	522	377	305	515	274
13	532	1710	531	596	952	862	710	540	392	262	752	264
14	1110	1240	552	589	923	852	829	520	514	229	428	262
15	1430	1060	558	588	899	716	695	509	494	464	363	241
16	847	955	531	639	884	862	622	531	471	581	354	280
17	763	916	520	753	868	949	791	531	434	388	338	630
18	633	811	519	698	821	850	475	520	400	244	324	391
19	611	865	863	1860	805	1110	530	497	317	331	299	297
20	572	844	1050	2100	1120	1260	677	396	574	319	306	266
21	562	788	818	1320	1360	1020	883	401	480	337	238	243
22	552	696	715	999	1090	914	765	458	462	327	289	317
23	529	671	610	941	983	868	708	430	374	300	264	301
24	497	725	563	973	927	779	668	407	327	292	264	281
25	486	660	572	1140	878	796	630	1010	414	299	260	281
26	517	620	571	963	799	855	672	876	420	417	339	257
27	555	571	563	4540	831	846	776	879	356	360	429	231
28	734	554	553	4900	811	1010	676	807	305	314	489	259
29	684	521	539	2130	755	1280	677	705	313	318	372	556
30	505	386	508	1590	---	1090	910	591	326	318	296	421
31	477	---	489	1400	---	1010	---	418	---	338	279	---
TOTAL	24129	27878	18520	36478	33706	30282	23133	18488	12833	10108	11224	9638
MEAN	778	929	597	1177	1162	977	771	596	428	326	362	321
MAX	2470	2720	1050	4900	3210	1920	1290	1010	574	581	752	761
MIN	368	386	330	517	755	682	475	396	305	229	238	201
CFSM	2.64	3.15	2.03	3.99	3.94	3.31	2.61	2.02	1.45	1.11	1.23	1.09
IN.	3.04	3.52	2.34	4.60	4.25	3.82	2.92	2.33	1.62	1.27	1.42	1.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1996, BY WATER YEAR (WY)

	MEAN	481	516	647	788	853	967	902	724	604	494	485	431
MAX	1631	1245	1445	1875	1478	1807	1562	1506	1208	1435	1272	1241	1241
(WY)	1965	1993	1962	1946	1946	1990	1962	1973	1961	1949	1994	1949	1949
MIN	89.8	169	189	158	445	387	405	395	252	206	146	113	113
(WY)	1955	1955	1956	1956	1959	1955	1967	1970	1956	1970	1956	1954	1954

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1942 - 1996

ANNUAL TOTAL	280621	256417	
ANNUAL MEAN	769	701	657
HIGHEST ANNUAL MEAN			965
LOWEST ANNUAL MEAN			346
HIGHEST DAILY MEAN	7240	4900	8580
LOWEST DAILY MEAN	254 ***	201 **	70
ANNUAL SEVEN-DAY MINIMUM	297	237	86
INSTANTANEOUS PEAK FLOW		5920	* 11000
INSTANTANEOUS PEAK STAGE		10.70	19.38
INSTANTANEOUS LOW FLOW		11	11
ANNUAL RUNOFF (CFSM)	2.61	2.37	2.23
ANNUAL RUNOFF (INCHES)	35.39	32.33	30.28
10 PERCENT EXCEEDS	1200	1130	1140
50 PERCENT EXCEEDS	611	585	534
90 PERCENT EXCEEDS	355	297	264

\* From rating curve extended above 7,500 ft<sup>3</sup>/s on basis of computation of peak flow over dam at Saluda Lake.

\*\* Also occurred on Sept. 9.

\*\*\* Also occurred on Aug. 19.

SANTÉE RIVER BASIN  
02163001 SALUDA RIVER NEAR WILLIAMSTON, SC

LOCATION.--Lat 34°36'47'', long 82°26'34'', Greenville County, Hydrologic Unit 03050109, 1600 ft downstream of Pelzer Mills dam, and approximately 2 mi east of Williamston.

DRAINAGE AREA.--414 mi<sup>2</sup>.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1995 to current year.

GAGE.--Data collection platform. Elevation of gage is 656 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Jan. 1 - 5, Apr. 2 - 5, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	631	722	505	700	1680	927	1600	1180	694	412	517	460
2	648	987	656	800	2390	942	1280	1020	789	412	577	465
3	665	1250	777	900	5330	802	1100	773	692	453	558	479
4	1360	1140	722	1100	3660	903	1050	839	710	342	432	693
5	3780	1100	780	700	2360	843	960	781	762	265	422	855
6	3180	1050	810	758	1710	2090	1100	716	760	361	457	932
7	1870	1110	828	911	1570	3970	1030	719	729	374	544	390
8	1310	2640	885	1120	1480	2950	1060	734	639	368	396	370
9	1030	1900	990	759	1410	1790	955	666	744	403	399	323
10	1000	1340	916	780	1320	1420	864	640	690	390	405	329
11	843	1790	882	773	1250	1230	1040	629	535	366	400	392
12	801	3830	717	742	1190	1120	799	745	533	360	460	473
13	807	2820	793	880	1110	1090	879	653	435	357	1000	457
14	1560	1750	721	844	1070	1050	1000	695	580	333	858	472
15	2530	1470	799	843	1070	1030	1030	654	651	444	428	469
16	1480	1270	765	871	1060	1000	783	669	588	635	445	501
17	1100	1210	732	913	1040	1270	907	684	533	580	431	1110
18	969	1150	697	1070	1010	1200	1000	659	480	365	399	817
19	875	1160	900	1860	961	1400	534	593	467	391	364	541
20	850	1140	1390	2830	1300	1730	883	509	655	407	377	520
21	798	1070	1120	1850	1800	1340	1270	392	713	410	372	487
22	780	1010	918	1380	1420	1170	1070	481	531	422	339	493
23	762	865	877	1180	1250	1130	918	469	513	392	367	471
24	716	1010	758	1210	1160	1060	860	444	408	416	354	421
25	695	960	744	1430	1110	989	791	1600	473	493	363	415
26	693	890	719	1280	1050	1090	858	1590	505	718	420	422
27	770	830	779	5300	961	1110	980	1360	487	488	517	387
28	861	795	740	7170	1030	1280	889	1760	381	413	594	405
29	1020	735	739	3980	930	1690	836	1090	387	395	499	577
30	770	727	712	2200	---	1440	1210	944	400	382	439	704
31	697	---	677	1840	---	1330	---	838	---	407	493	---
TOTAL	35851	39721	25048	48974	44682	42386	29536	25526	17464	12954	14626	15830
MEAN	1156	1324	808	1580	1541	1367	985	823	582	418	472	528
MAX	3780	3830	1390	7170	5330	3970	1600	1760	789	718	1000	1110
MIN	631	722	505	700	930	802	534	392	381	265	339	323
CFSM	2.79	3.20	1.95	3.82	3.72	3.30	2.38	1.99	1.41	1.01	1.14	1.27
IN.	3.22	3.57	2.25	4.40	4.01	3.81	2.65	2.29	1.57	1.16	1.31	1.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1996, BY WATER YEAR (WY)

MEAN	1156	1324	808	1580	1541	1367	985	823	668	462	968	701
MAX	1156	1324	808	1580	1541	1367	985	823	753	506	1464	874
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1995	1995	1995	1995
MIN	1156	1324	808	1580	1541	1367	985	823	582	418	472	528
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS

FOR 1996 WATER YEAR

WATER YEARS 1995 - 1996

ANNUAL TOTAL	352598		
ANNUAL MEAN	963		963
HIGHEST ANNUAL MEAN			963
LOWEST ANNUAL MEAN			963
HIGHEST DAILY MEAN	7170	Jan 28	12000
LOWEST DAILY MEAN	265	Jul 5	265
ANNUAL SEVEN-DAY MINIMUM	358	Jul 4	328
INSTANTANEOUS PEAK FLOW	7590	Jan 28	Unknown
INSTANTANEOUS PEAK STAGE	13.59	Jan 28	* 21.40
INSTANTANEOUS LOW FLOW	163	Aug 22	163
ANNUAL RUNOFF (CFSM)	2.33		2.33
ANNUAL RUNOFF (INCHES)	31.68		31.62
10 PERCENT EXCEEDS	1560		1410
50 PERCENT EXCEEDS	799		743
90 PERCENT EXCEEDS	402		390

\* From floodmarks.



Santee River Basin  
02163001 SALUDA RIVER NEAR WILLIAMSTON, SC--Continued  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1995 to current year.

PERIOD OF DAILY RECORD.--May 1995 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 30.0°C, Aug. 18, 1995; minimum, 3.0°C, Dec. 28 - 30, 1995, Jan. 12, 13, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 29.0°C, June 25, July 23, 24; minimum, 3.0°C, Dec. 28 - 30, Jan. 12, 13.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.5	19.0	20.0	14.5	13.5	14.0	11.0	9.0	10.5	6.0	5.5	6.0
2	22.0	19.5	20.5	15.0	14.0	14.5	11.0	10.0	10.5	6.5	6.0	6.5
3	21.0	20.5	21.0	15.5	14.5	15.0	11.0	9.5	10.5	6.5	6.0	6.5
4	21.0	19.5	20.5	15.0	14.0	14.5	11.5	10.0	10.5	7.0	6.0	6.5
5	20.5	19.5	20.0	14.0	12.5	13.0	11.0	10.5	10.5	7.0	6.0	6.5
6	20.5	19.5	20.0	13.5	12.0	12.5	10.5	9.5	10.5	7.0	6.5	7.0
7	21.0	20.0	20.5	13.0	12.0	12.5	10.5	9.5	10.0	7.0	4.5	5.5
8	21.0	20.0	20.5	12.0	11.0	11.5	10.0	9.0	9.0	5.0	4.0	4.5
9	21.0	19.0	20.0	11.0	10.5	11.0	9.0	8.5	8.5	5.0	3.5	4.5
10	20.5	18.5	19.5	11.0	10.0	10.5	8.5	7.5	8.0	5.0	3.5	4.0
11	20.0	18.5	19.0	12.0	10.5	11.0	7.5	6.5	7.0	4.5	3.5	4.0
12	20.5	18.5	19.0	11.5	10.0	11.0	6.5	5.5	6.0	4.5	3.0	3.5
13	20.0	19.0	19.5	11.0	10.5	10.5	7.0	5.5	6.5	5.0	3.0	4.0
14	19.5	19.0	19.5	10.5	9.5	10.0	7.5	6.5	7.0	5.5	4.0	4.5
15	19.5	17.5	18.5	10.0	9.0	9.5	8.5	7.0	7.5	6.5	4.5	5.5
16	18.0	17.0	17.5	9.5	8.5	9.0	9.5	7.5	8.5	6.5	5.0	6.0
17	18.0	16.5	17.0	9.5	8.5	9.0	8.5	7.5	8.5	6.5	5.5	6.0
18	17.5	15.5	16.5	9.0	8.0	8.5	8.5	8.5	8.5	8.5	6.5	7.0
19	17.0	15.0	16.0	9.5	8.0	8.5	9.0	8.5	9.0	9.0	7.5	8.5
20	17.0	15.5	16.0	9.5	8.5	9.0	9.0	8.0	9.0	8.0	7.5	7.5
21	16.0	14.5	15.5	10.0	8.5	9.0	8.0	7.0	7.5	7.5	6.0	6.5
22	15.5	13.5	14.5	9.5	8.0	9.0	7.0	6.5	6.5	6.0	5.5	5.5
23	15.5	13.5	14.5	9.5	8.0	8.5	7.0	6.0	6.0	6.0	5.0	5.5
24	16.0	14.5	15.5	9.5	9.0	9.0	6.0	4.5	5.5	7.5	5.5	6.5
25	16.5	15.0	15.5	9.5	8.5	9.0	5.0	4.0	4.5	7.0	6.0	6.5
26	15.5	14.0	15.0	9.5	8.0	8.5	4.5	3.5	4.0	6.5	6.0	6.0
27	15.5	14.5	15.0	10.0	8.5	9.0	4.5	3.5	4.0	7.5	6.5	7.0
28	16.0	14.5	15.5	11.5	9.5	10.5	4.5	3.0	4.0	7.0	6.0	6.5
29	15.0	14.0	14.5	12.0	11.0	11.5	4.5	3.0	3.5	7.0	6.0	6.5
30	14.5	13.0	14.0	11.5	10.5	11.0	4.5	3.0	3.5	7.0	6.5	6.5
31	14.0	12.0	13.5	---	---	---	5.5	4.0	4.5	7.5	6.5	7.0
MONTH	22.0	12.0	17.5	15.5	8.0	10.7	11.5	3.0	7.4	9.0	3.0	5.9



## SANTÉE RIVER BASIN

02163001 SALUDA RIVER NEAR WILLIAMSTON, SC--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	7.5	7.0	7.5	13.0	12.0	12.5	12.0	11.0	11.5	19.0	17.0	17.5
2	7.0	6.0	7.0	13.0	11.5	12.0	12.5	11.0	11.5	19.5	17.0	18.0
3	6.0	5.0	5.5	12.5	10.5	11.5	13.5	11.5	12.0	20.0	17.0	18.5
4	5.5	4.5	5.0	12.0	10.0	10.5	15.0	12.5	13.5	21.0	17.5	19.0
5	4.5	4.0	4.0	11.5	10.0	11.0	15.5	13.5	14.5	22.0	18.0	20.0
6	4.5	3.5	4.0	12.0	11.0	11.5	14.5	13.5	14.0	21.5	19.5	20.5
7	4.5	4.0	4.5	12.5	11.5	12.0	14.5	13.0	13.5	21.0	19.5	20.0
8	6.0	4.5	5.0	12.0	10.5	11.0	14.0	13.0	13.5	22.0	19.0	20.5
9	8.0	6.0	7.0	10.5	9.0	9.5	14.5	12.5	13.0	23.0	20.0	21.5
10	8.5	7.0	8.0	9.0	7.5	8.5	14.0	11.5	13.0	23.0	20.0	21.5
11	10.5	8.5	9.5	8.5	7.0	7.5	14.0	11.5	12.5	22.0	20.5	21.5
12	9.5	8.5	9.0	8.5	6.5	7.5	15.5	12.0	13.5	22.0	19.5	21.0
13	9.0	8.0	8.5	9.0	7.0	8.0	15.5	13.0	14.0	20.5	19.0	20.0
14	9.0	7.5	8.0	10.0	7.5	9.0	16.5	13.0	14.5	20.0	18.5	19.5
15	9.0	7.5	8.5	11.5	9.0	10.5	17.0	15.0	16.0	19.0	17.5	18.5
16	8.0	6.5	7.5	12.5	10.0	11.5	17.0	14.5	15.5	19.5	17.5	18.5
17	7.5	6.0	6.5	13.0	11.5	12.5	17.5	14.5	16.0	21.0	18.0	19.5
18	8.0	6.0	7.0	13.5	12.5	13.0	17.5	15.0	16.5	22.0	19.0	20.5
19	8.0	6.5	7.5	13.0	11.5	12.5	16.0	15.0	15.5	22.5	20.0	21.5
20	8.5	7.0	8.0	11.5	10.5	11.0	17.0	15.5	16.0	23.5	21.0	22.5
21	9.0	7.5	8.0	11.0	10.0	10.5	17.5	16.0	16.5	24.5	22.5	23.5
22	10.5	9.0	10.0	11.0	9.5	10.0	18.5	16.5	17.5	25.0	23.5	24.0
23	12.0	10.0	11.0	11.0	8.5	9.5	18.5	17.0	17.5	25.0	23.5	24.0
24	13.5	11.5	12.5	11.5	9.0	10.0	18.0	16.0	17.0	25.5	24.0	24.5
25	13.5	11.5	12.5	11.5	10.0	10.5	18.5	15.5	17.0	24.5	22.0	23.5
26	14.0	11.5	13.0	12.5	10.0	11.0	18.5	16.5	17.5	24.5	22.5	23.5
27	15.5	13.0	14.0	12.0	11.0	12.0	18.5	16.0	17.0	23.5	22.0	22.5
28	14.5	13.5	14.0	11.0	10.0	10.0	19.0	16.0	17.5	22.5	21.5	22.0
29	14.0	12.5	13.0	12.0	10.0	11.0	20.0	17.0	18.5	24.0	21.5	22.5
30	---	---	---	11.5	11.0	11.5	19.5	17.5	18.5	23.0	21.5	22.0
31	---	---	---	11.0	10.5	11.0	---	---	---	22.5	20.0	21.0
MONTH	15.5	3.5	8.5	13.5	6.5	10.6	20.0	11.0	15.1	25.5	17.0	21.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	22.0	20.0	21.0	28.0	25.0	26.5	25.5	24.0	24.5	24.5	23.0	24.0
2	21.5	20.0	21.0	28.5	26.0	27.0	25.5	24.0	25.0	24.0	23.0	23.5
3	22.0	20.5	21.0	28.0	26.0	27.0	25.0	24.0	24.5	24.0	22.5	23.0
4	22.0	20.5	21.5	27.5	25.0	26.0	26.0	24.0	25.0	23.5	22.5	23.0
5	22.5	20.0	21.5	25.5	24.0	25.0	26.0	25.0	25.5	24.0	23.0	23.5
6	23.5	20.5	22.0	26.5	24.0	25.0	27.0	24.5	25.5	25.0	23.0	24.0
7	23.0	21.5	22.5	27.0	24.0	25.0	26.0	25.0	25.5	25.5	23.5	24.5
8	23.0	21.5	22.0	26.5	25.0	25.5	26.5	25.0	25.5	26.0	23.5	24.5
9	23.5	21.5	22.5	27.5	25.0	26.0	26.5	24.5	25.5	26.0	23.5	24.5
10	23.5	22.0	22.5	27.0	25.0	25.5	26.5	25.0	25.5	25.0	23.5	24.5
11	23.5	22.0	23.0	26.0	24.0	25.0	25.5	24.5	25.0	25.5	23.5	24.5
12	23.5	22.5	23.0	25.5	23.5	24.0	25.0	24.0	24.5	25.0	23.5	24.0
13	24.5	22.5	23.0	25.5	23.0	24.5	24.5	23.0	24.0	24.5	23.0	23.5
14	25.0	23.0	23.5	26.5	24.0	25.0	24.0	23.0	23.5	24.0	22.0	23.0
15	25.5	23.0	24.5	25.5	24.5	25.0	25.0	22.5	23.5	23.5	20.5	22.0
16	26.0	23.5	24.5	26.5	24.5	25.0	25.5	23.0	24.0	22.0	21.0	21.5
17	26.0	24.0	25.0	27.5	25.0	26.0	26.0	23.5	24.5	22.0	21.0	21.5
18	25.5	24.5	25.0	28.0	25.5	26.5	26.0	23.5	24.5	22.5	20.5	21.5
19	26.5	25.0	25.5	28.5	25.5	26.5	27.0	24.0	25.0	22.0	20.0	21.0
20	26.0	25.0	25.5	28.0	26.0	27.0	27.0	24.0	25.5	22.0	19.5	20.5
21	27.5	24.5	26.0	28.5	26.0	27.0	26.5	24.0	25.5	21.0	19.0	20.0
22	27.5	25.5	26.5	28.5	26.5	27.5	27.0	24.0	25.5	21.5	19.5	20.0
23	27.5	26.0	27.0	29.0	26.5	27.5	27.0	24.5	25.5	21.5	19.5	20.0
24	28.5	26.5	27.5	29.0	26.5	27.5	27.0	24.5	26.0	22.0	19.5	20.5
25	29.0	26.5	27.5	27.0	24.5	26.5	26.0	24.5	25.0	22.0	19.5	20.5
26	28.0	26.5	27.0	25.0	23.5	24.5	25.5	24.0	25.0	22.0	20.0	21.0
27	27.0	25.5	26.5	25.0	23.5	24.5	25.5	24.0	24.5	21.5	20.5	21.0
28	27.5	25.0	26.0	25.5	24.0	25.0	25.5	24.5	25.0	21.5	21.0	21.0
29	27.5	24.5	26.0	26.5	23.5	25.0	25.0	23.5	24.5	21.0	20.0	20.5
30	28.0	25.0	26.0	26.5	24.5	25.0	25.5	24.0	24.5	20.0	19.0	19.5
31	---	---	---	26.0	24.5	25.0	25.0	23.5	24.0	---	---	---
MONTH	29.0	20.0	24.2	29.0	23.0	25.7	27.0	22.5	24.9	26.0	19.0	22.2
YEAR	29.0	3.0	16.2									

## SANTÉE RIVER BASIN

021630967 GROVE CREEK NEAR PIEDMONT, SC

LOCATION.--Lat 34°40'51'', long 82°25'41'', Greenville County, Hydrologic Unit 03050109, on left downstream bank behind Grove Creek Wastewater Treatment Plant, 10.0 mi south of Greenville and 4.0 mi southeast of Piedmont.

DRAINAGE AREA.--19.1 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1994 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 738 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Jan. 27 - 29, Feb. 2 - 5, Mar. 19, 20, July 11, 20, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	11	15	19	31	22	59	26	20	8.6	19	8.3
2	7.3	78	14	21	226	22	41	23	19	8.5	18	8.7
3	7.3	38	14	19	370	21	32	21	18	8.3	44	9.5
4	104	21	14	16	88	21	29	20	28	8.1	14	58
5	107	16	14	15	45	21	27	19	23	8.1	12	16
6	29	14	14	17	37	349	27	19	17	8.4	11	12
7	18	127	26	42	34	428	26	20	16	8.2	12	9.9
8	14	68	17	25	32	90	25	19	23	8.2	14	17
9	13	32	40	24	31	48	25	19	22	8.5	10	9.4
10	12	26	23	24	29	38	24	18	17	8.1	9.9	9.1
11	11	181	19	22	27	32	24	20	16	8.0	9.5	9.6
12	10	84	17	24	26	30	24	19	16	8.0	42	8.6
13	14	37	16	22	25	28	26	18	15	8.0	67	8.4
14	85	28	16	21	25	27	27	17	17	8.1	54	8.2
15	35	25	15	21	24	29	23	17	16	19	20	8.1
16	19	22	15	20	24	28	22	17	14	10	15	36
17	15	19	15	19	24	30	22	16	13	8.5	13	70
18	12	18	17	22	24	26	23	15	12	8.2	12	19
19	11	17	45	93	23	175	26	15	12	8.0	11	14
20	11	17	26	37	66	75	48	15	19	11	10	12
21	10	16	21	28	37	32	52	14	13	13	9.8	12
22	9.4	16	19	24	30	28	32	13	12	8.3	10	17
23	9.1	15	17	22	28	26	27	13	11	8.0	9.3	11
24	9.2	21	16	29	25	25	25	12	11	32	8.5	10
25	9.1	18	16	24	24	27	23	154	11	63	8.7	9.9
26	8.9	16	15	24	24	26	31	44	10	66	9.7	11
27	10	16	15	584	24	27	24	46	9.8	18	9.7	11
28	17	15	15	168	24	68	22	155	9.6	16	8.5	21
29	9.8	15	14	41	23	42	22	36	9.0	14	9.8	19
30	9.1	15	14	35	---	33	52	26	8.8	13	8.5	18
31	12	---	15	41	---	38	---	22	---	12	8.4	---
TOTAL	655.6	1042	569	1543	1450	1912	890	908	458.2	443.1	518.3	491.7
MEAN	21.1	34.7	18.4	49.8	50.0	61.7	29.7	29.3	15.3	14.3	16.7	16.4
MAX	107	181	45	584	370	428	59	155	28	66	67	70
MIN	7.3	11	14	15	23	21	22	12	8.8	8.0	8.4	8.1
CFSM	1.11	1.82	.96	2.60	2.62	3.23	1.55	1.53	.80	.75	.87	.86
IN.	1.28	2.03	1.11	3.00	2.82	3.72	1.73	1.77	.89	.86	1.01	.96

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

	1994	1995	1996	1995	1996	1996	1995	1996	1995	1996	1996	1995
MEAN	19.7	24.8	24.2	53.4	49.6	46.2	23.1	20.1	14.4	10.6	39.1	16.4
MAX	21.1	34.7	30.0	57.1	50.0	61.7	29.7	29.3	15.3	14.3	72.8	21.9
(WY)	1996	1996	1995	1995	1996	1996	1996	1996	1996	1996	1995	1994
MIN	18.2	14.9	18.4	49.8	49.1	30.7	16.6	10.8	13.4	6.90	16.7	10.9
(WY)	1995	1995	1996	1996	1995	1995	1995	1995	1995	1995	1996	1995

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1994 - 1996

ANNUAL TOTAL	10400.7	10880.9	
ANNUAL MEAN	28.5	29.7	28.7
HIGHEST ANNUAL MEAN			29.7
LOWEST ANNUAL MEAN			27.6
HIGHEST DAILY MEAN	1000	584	1000
LOWEST DAILY MEAN	5.8	7.3	3.7
ANNUAL SEVEN-DAY MINIMUM	6.2	8.1	5.1
INSTANTANEOUS PEAK FLOW		616	Unknown
INSTANTANEOUS PEAK STAGE		8.98	*15.17
ANNUAL RUNOFF (CFSM)	1.49	1.55	1.50
ANNUAL RUNOFF (INCHES)	20.24	21.17	20.37
10 PERCENT EXCEEDS	40	45	41
50 PERCENT EXCEEDS	15	19	16
90 PERCENT EXCEEDS	7.0	9.1	7.5

\* From floodmarks.

\*\* Also occurred on Oct. 3.

SANTEE RIVER BASIN  
02163500 SALUDA RIVER NEAR WARE SHOALS, SC

LOCATION.--Lat 34°23'01'', long 82°13'12'', 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.--March 1939 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Data collection platform. Elevation of gage is 448 ft above sea level (by barometer).

REMARKS.--No estimated daily discharges. Records fair except those below 150 ft<sup>3</sup>/s, which are poor. Some regulation at low and medium flow by powerplants upstream. Capacity of reservoirs insufficient to affect monthly figures of runoff. About 56 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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	483	711	680	771	2030	1060	1810	1630	828	530	564	519
2	459	1130	475	860	3770	1080	1990	1400	872	530	735	702
3	536	1550	807	968	7650	965	1720	1180	830	547	761	544
4	1200	1350	797	1040	5180	983	1490	1080	832	531	657	632
5	3890	1230	824	839	3160	975	1460	1110	902	496	568	705
6	3820	1180	804	823	2410	5010	1410	1070	902	473	528	917
7	2420	1270	957	1070	2140	6660	1340	1060	874	420	678	859
8	1610	2900	915	1340	1970	5010	1300	1070	774	482	598	332
9	1120	2610	1080	1030	1830	2750	1330	1060	833	486	505	643
10	1120	1800	1130	912	1710	2190	1210	1040	826	489	494	530
11	968	2660	1050	1040	1600	1900	1230	1010	801	470	488	408
12	957	4290	920	915	1500	1710	1200	1000	782	480	540	388
13	651	3810	861	941	1430	1590	1130	997	706	470	856	485
14	979	2370	804	1000	1390	1490	1250	936	699	485	1280	442
15	2850	1910	820	930	1360	1430	1390	971	823	511	872	416
16	1940	1630	827	897	1310	1320	1270	927	819	613	749	503
17	1180	1460	800	960	1270	1570	986	938	782	782	668	586
18	1070	1370	791	1130	1220	1540	1300	934	717	601	635	1010
19	901	1240	947	1560	1110	1850	1190	929	652	469	635	720
20	922	1250	1450	2950	1380	2210	1000	903	725	452	462	527
21	848	1190	1430	2390	2010	1820	1560	813	915	496	565	462
22	817	1100	1110	1690	1730	1550	1590	677	777	538	476	464
23	802	1000	1010	1410	1460	1400	1390	765	728	510	520	479
24	767	1060	892	1250	1340	1350	1270	768	667	486	585	491
25	729	1150	869	1460	1280	1280	1160	5000	558	647	589	408
26	719	1010	811	1480	1260	1340	1110	2340	618	1010	545	440
27	775	954	821	4920	1150	1350	1300	2280	622	770	711	284
28	924	882	842	7930	1100	1600	1330	2450	635	578	799	432
29	1020	872	787	5720	1090	1960	1150	1720	563	554	719	454
30	896	828	777	2860	---	1860	1630	1320	521	516	738	933
31	809	---	759	2360	---	1690	---	1070	---	517	617	---
TOTAL	38182	47767	27847	55446	57840	60493	40496	40448	22583	16939	20137	16715
MEAN	1232	1592	898	1789	1994	1951	1350	1305	753	546	650	557
MAX	3890	4290	1450	7930	7650	6660	1990	5000	915	1010	1280	1010
MIN	459	711	475	771	1090	965	986	677	521	420	462	284
CFSM	2.12	2.74	1.55	3.08	3.43	3.36	2.32	2.25	1.30	.94	1.12	.96
IN.	2.44	3.06	1.78	3.55	3.70	3.87	2.59	2.59	1.45	1.08	1.29	1.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

	MEAN	678	771	984	1239	1373	1570	1388	1077	872	741	760	620
MAX	2623	2041	2603	2929	2430	3864	3005	2092	1775	1906	1995	1861	
(WY)	1965	1949	1962	1946	1990	1952	1964	1973	1979	1949	1995	1949	
MIN	149	261	323	310	528	519	473	387	215	151	219	142	
(WY)	1955	1982	1956	1956	1989	1988	1986	1988	1988	1986	1986	1981	

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1939 - 1996
ANNUAL TOTAL	462215	444893	
ANNUAL MEAN	1266	1216	1005
HIGHEST ANNUAL MEAN			1569
LOWEST ANNUAL MEAN			438
HIGHEST DAILY MEAN	16100	Aug 27	16100
LOWEST DAILY MEAN	355	Sep 6	11
ANNUAL SEVEN-DAY MINIMUM	468	Aug 13	61
INSTANTANEOUS PEAK FLOW			20900
INSTANTANEOUS PEAK STAGE			22.95
INSTANTANEOUS LOW FLOW			24
ANNUAL RUNOFF (CFSM)	2.18	2.09	1.73
ANNUAL RUNOFF (INCHES)	29.59	28.49	23.50
10 PERCENT EXCEEDS	1960	1980	1800
50 PERCENT EXCEEDS	924	957	757
90 PERCENT EXCEEDS	520	501	338

\* Also occurred on Oct. 19, 1941.

\*\* From rating curve extended above 14,000 ft<sup>3</sup>/s on basis of computation of peak flow over dam.

\*\*\* Caused by construction work upstream of station.

\*\*\*\* Also occurred on Sept. 27.

## SANTEE RIVER BASIN

02164000 REEDY RIVER NEAR GREENVILLE, SC

LOCATION.--Lat 34°48'00'', long 82°21'55'', Greenville County, Hydrologic Unit 03050109, on right bank, 375 ft downstream from bridge on Interstate Highway 85, 0.5 mi upstream from Brushy Creek, 2.5 mi upstream from dam at Conestee, 3.9 mi southeast of City Hall in Greenville, and at mile 48.5.

DRAINAGE AREA.--48.6 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1941 to September 1971, June 1987 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Data collection platform. Elevation of gage is 800 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, June 26, 27, July 10, 11, 14, 15, Aug. 2 - 7, 24 - 26, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	46	49	64	88	65	204	86	51	20	93	31
2	32	239	49	70	692	65	119	74	48	20	60	36
3	32	100	48	59	558	65	100	69	47	18	300	39
4	515	64	47	48	160	62	89	65	71	17	140	163
5	580	53	46	46	116	61	86	64	57	17	70	127
6	133	48	49	71	99	594	86	63	44	24	50	38
7	79	400	103	117	94	714	83	65	42	20	41	55
8	64	245	57	77	90	225	80	61	61	83	33	38
9	55	97	138	67	86	122	77	59	54	62	28	27
10	47	75	68	66	82	101	75	54	46	26	28	37
11	43	510	58	61	81	92	72	62	38	25	33	54
12	40	252	53	73	75	87	71	59	37	23	311	30
13	69	105	52	62	71	81	91	53	45	22	142	26
14	518	100	50	60	71	78	99	50	37	54	56	24
15	160	80	47	61	70	86	78	53	45	155	38	25
16	80	69	47	59	69	258	75	55	37	55	35	313
17	61	66	49	55	69	186	70	52	32	41	32	345
18	54	63	70	76	69	109	69	48	31	38	29	59
19	50	62	137	290	69	342	83	48	34	37	29	42
20	49	59	77	105	269	138	164	45	34	67	27	37
21	54	56	60	79	111	104	143	42	29	75	24	61
22	52	54	53	68	89	92	88	40	26	49	23	55
23	50	52	52	62	80	85	78	40	26	47	22	36
24	46	85	51	101	75	83	73	39	24	55	24	32
25	47	60	49	69	73	105	69	456	22	110	50	31
26	51	54	48	71	72	90	126	118	22	76	149	29
27	68	55	47	1420	69	91	80	98	20	46	175	29
28	69	51	44	313	71	238	70	235	21	54	107	75
29	42	50	43	126	68	132	80	86	20	35	40	55
30	39	49	42	109	---	102	238	65	20	41	34	60
31	58	---	43	107	---	158	---	57	---	58	32	---
TOTAL	3269	3299	1826	4112	3686	4811	2916	2461	1121	1470	2255	2009
MEAN	105	110	58.9	133	127	155	97.2	79.4	37.4	47.4	72.7	67.0
MAX	580	510	138	1420	692	714	238	456	71	155	311	345
MIN	32	46	42	46	68	61	69	39	20	17	22	24
CFSM	2.17	2.26	1.21	2.73	2.62	3.19	2.00	1.63	.77	.98	1.50	1.38
IN.	2.50	2.53	1.40	3.15	2.82	3.68	2.23	1.88	.86	1.13	1.73	1.54

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1996, BY WATER YEAR (WY)

	MEAN	61.4	65.2	79.4	100	118	133	109	76.3	64.8	62.1	63.8	55.9
MAX	255	204	233	216	234	350	290	167	140	227	155		
(WY)	1950	1949	1962	1946	1961	1952	1964	1991	1968	1968	1995	1949	
MIN	13.4	23.9	29.2	28.0	54.9	48.0	50.2	27.2	20.5	25.3	17.5	14.1	
(WY)	1955	1955	1956	1956	1988	1955	1942	1988	1988	1954	1954	1954	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1942 - 1996

ANNUAL TOTAL	34084	33235	
ANNUAL MEAN	93.4	90.8	83.0
HIGHEST ANNUAL MEAN			118
LOWEST ANNUAL MEAN			43.1
HIGHEST DAILY MEAN	4120	1420	4120
LOWEST DAILY MEAN	13	17	8.0
ANNUAL SEVEN-DAY MINIMUM	15	19	11
INSTANTANEOUS PEAK FLOW		2580	* 5400
INSTANTANEOUS PEAK STAGE		7.74	11.88
INSTANTANEOUS LOW FLOW		13	4.6
ANNUAL RUNOFF (CFSM)	1.92	1.87	1.71
ANNUAL RUNOFF (INCHES)	26.09	25.44	23.21
10 PERCENT EXCEEDS	116	151	139
50 PERCENT EXCEEDS	52	61	53
90 PERCENT EXCEEDS	26	30	26

\* From rating curve extended above 3000 ft<sup>3</sup>/s.

\*\* Also occurred on July 5.



## SALUDA RIVER BASIN

02164110 REEDY RIVER ABOVE FORK SHOALS, SC

LOCATION.--Lat 34°39'09'', long 82°17'52'', Greenville County, Hydrologic Unit 03050109, at State Road 418 bridge, 0.66 mi southwest of intersection of Road 418 and Road 146, and 2.2 mi north of Fork Shoals, S.C.

DRAINAGE AREA.--104 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1993 to current year.

GAGE.--Data collection platform. Elevation of gage is 645 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Nov. 7, May 29, 30, June 2 - 5, Aug. 10 - 12, Sept. 11 - 30, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	183	144	157	227	162	452	212	149	94	176	95
2	64	586	144	183	1090	159	284	182	145	99	153	93
3	67	405	137	184	2090	155	223	173	150	94	955	113
4	966	224	139	149	494	154	211	165	210	90	184	566
5	1310	187	140	143	308	156	203	163	190	89	143	262
6	382	169	143	148	255	1500	195	162	156	91	133	159
7	194	700	243	320	237	2130	194	167	153	100	127	123
8	158	854	171	196	228	839	187	165	160	107	172	188
9	141	315	319	197	219	349	183	158	183	168	126	109
10	140	242	199	196	202	273	179	154	155	124	120	102
11	147	1030	165	187	197	246	177	162	149	118	200	144
12	154	980	156	184	190	227	177	160	145	113	740	112
13	160	347	152	195	184	217	176	151	144	107	526	103
14	935	268	148	173	183	208	226	146	146	101	363	98
15	705	267	148	174	180	204	184	149	147	205	158	95
16	281	226	140	173	178	217	184	156	145	167	138	314
17	223	198	137	169	173	485	177	153	134	117	128	890
18	195	181	148	180	173	229	172	147	126	108	115	168
19	177	172	350	717	166	702	176	144	123	107	111	116
20	168	168	237	304	554	362	254	137	211	106	108	107
21	165	171	176	219	280	246	400	134	140	144	103	106
22	151	161	161	195	212	222	212	132	134	128	100	183
23	147	151	150	185	197	206	192	133	127	118	97	122
24	149	183	144	234	183	203	186	135	118	121	95	110
25	149	195	139	208	176	207	175	660	121	180	96	106
26	147	155	138	177	173	228	234	324	117	422	254	105
27	168	154	141	2340	173	195	205	248	112	145	166	103
28	234	152	137	1010	175	461	169	497	108	134	526	118
29	157	155	133	339	172	298	169	250	101	136	144	179
30	144	148	132	278	---	229	433	170	100	125	114	128
31	152	---	134	279	---	231	---	156	---	124	101	---
TOTAL	8395	9327	5145	9793	9269	11700	6589	6045	4299	4082	6672	5217
MEAN	271	311	166	316	320	377	220	195	143	132	215	174
MAX	1310	1030	350	2340	2090	2130	452	660	211	422	955	890
MIN	64	148	132	143	166	154	169	132	100	89	95	93
CFSM	2.60	2.99	1.60	3.04	3.07	3.63	2.11	1.87	1.38	1.27	2.07	1.67
IN.	3.00	3.34	1.84	3.50	3.32	4.18	2.36	2.16	1.54	1.46	2.39	1.87

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	182	204	189	307	311	294	197	158	202	160	354	167
MAX	271	311	247	399	378	377	220	195	275	247	501	187
(WY)	1996	1996	1995	1995	1995	1996	1996	1996	1994	1994	1995	1994
MIN	89.9	148	153	204	236	247	176	132	143	101	215	139
(WY)	1994	1994	1994	1994	1994	1994	1995	1994	1996	1995	1996	1995

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1994 - 1996

ANNUAL TOTAL	92117	86533	227
ANNUAL MEAN	252	236	239
HIGHEST ANNUAL MEAN			205
LOWEST ANNUAL MEAN			1994
HIGHEST DAILY MEAN	6260	2340	6260
LOWEST DAILY MEAN	64	64	64
ANNUAL SEVEN-DAY MINIMUM	72	94	72
INSTANTANEOUS PEAK FLOW		3590	* 8200
INSTANTANEOUS PEAK STAGE		15.10	21.77
INSTANTANEOUS LOW FLOW		63	63
ANNUAL RUNOFF (CFSM)	2.43	2.27	2.18
ANNUAL RUNOFF (INCHES)	32.95	30.95	29.63
10 PERCENT EXCEEDS	349	369	334
50 PERCENT EXCEEDS	165	169	161
90 PERCENT EXCEEDS	98	108	102

\* From rating curve extended above 5000 ft<sup>3</sup>/s.

\*\* Also occurred on Oct. 2.



## SANTEE RIVER BASIN

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 State 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.--April 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.--Data collection platform. Datum of gage is 453.86 ft above sea level. Prior to Oct. 1, 1977, at site 4.1 mi upstream at datum 26.76 ft higher.

REMARKS.--Records good except for estimated daily discharges, Sept. 1 - 4, 9 - 16, 20 - 23, which are 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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	270	298	304	288	634	377	570	682	296	182	248	228
2	233	378	273	313	1370	353	713	403	274	190	249	220
3	142	990	274	382	3600	359	561	371	287	184	466	219
4	433	526	273	360	2900	338	501	400	305	168	675	219
5	1200	383	272	317	1030	351	419	325	281	160	289	556
6	1630	346	271	300	762	1990	462	281	283	161	264	411
7	737	409	283	366	658	3920	459	326	301	166	240	295
8	491	1470	297	541	577	3520	456	322	293	174	224	249
9	383	1040	435	404	575	1470	424	289	288	128	232	225
10	324	504	459	474	516	835	408	284	480	88	239	225
11	284	1240	364	350	463	722	336	287	395	203	234	224
12	280	2030	308	334	462	634	314	305	225	250	222	224
13	287	1300	300	376	406	592	378	308	222	200	725	223
14	276	605	304	378	371	450	476	299	217	192	653	222
15	1070	496	300	355	409	301	398	255	255	196	426	219
16	776	409	298	474	406	400	357	256	268	199	309	215
17	440	380	294	410	400	700	489	267	247	269	275	346
18	294	347	291	227	389	662	416	269	246	254	251	736
19	276	334	308	259	382	873	294	263	245	224	215	375
20	276	331	723	970	510	1250	337	259	245	219	220	239
21	262	328	463	550	922	682	607	253	248	218	246	232
22	252	302	357	397	659	582	553	241	244	218	163	223
23	252	281	315	334	488	524	433	245	239	168	160	199
24	242	314	303	376	360	415	397	244	238	169	211	227
25	235	343	295	441	376	481	370	2140	240	179	231	267
26	235	350	295	378	398	433	376	1320	234	486	187	231
27	248	320	286	1280	394	531	495	856	325	432	206	217
28	296	300	285	2870	393	559	386	735	207	281	359	216
29	319	318	281	1520	390	798	384	845	215	238	452	208
30	287	334	277	710	---	602	610	542	208	237	290	392
31	260	---	278	661	---	587	---	376	---	194	248	---
TOTAL	12990	17006	10066	17395	21200	26291	13379	14248	8051	6627	9409	8282
MEAN	419	567	325	561	731	848	446	460	268	214	304	276
MAX	1630	2030	723	2870	3600	3920	713	2140	480	486	725	736
MIN	142	281	271	227	360	301	294	241	207	88	160	199
CFSM	1.78	2.40	1.38	2.38	3.10	3.59	1.89	1.95	1.14	.91	1.29	1.17
IN.	2.05	2.68	1.59	2.74	3.34	4.14	2.11	2.25	1.27	1.04	1.48	1.31

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

	MEAN	244	278	339	462	523	600	476	348	277	243	259	210
MAX	837	746	851	1002	952	1324	1249	825	728	652	824	692	
(WY)	1965	1949	1962	1943	1960	1952	1964	1979	1972	1968	1995	1975	
MIN	40.7	83.4	109	118	144	217	183	100	96.9	71.7	61.2	45.6	
(WY)	1955	1942	1956	1956	1941	1955	1986	1941	1988	1986	1954	1954	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1939 - 1996

ANNUAL TOTAL	165995	164944	355
ANNUAL MEAN	455	451	535
HIGHEST ANNUAL MEAN			171
LOWEST ANNUAL MEAN			1993
HIGHEST DAILY MEAN	8570	Aug 28	3920
LOWEST DAILY MEAN	45	Jun 20	88
ANNUAL SEVEN-DAY MINIMUM	121	Aug 17	149
INSTANTANEOUS PEAK FLOW			4530
INSTANTANEOUS PEAK STAGE			12.72
INSTANTANEOUS LOW FLOW			50
ANNUAL RUNOFF (CFSM)	1.93		1.91
ANNUAL RUNOFF (INCHES)	26.17		26.00
10 PERCENT EXCEEDS	671		724
50 PERCENT EXCEEDS	304		321
90 PERCENT EXCEEDS	145		218
			94

\* At site and datum then in use.

## SANTEE RIVER BASIN

02165200 SOUTH RABON CREEK NEAR GRAY COURT, SC

LOCATION.--Lat 34°31'12'', long 82°09'26'', Laurens County, Hydrologic Unit 03050109, at left bank, 125 ft upstream from U.S. Highway 76, 2.5 mi upstream from North Rabon Creek and 7.0 mi southwest of Gray Court.

DRAINAGE AREA.--29.5 mi<sup>2</sup>.

PERIOD OF RECORD.--January 1967 to September 1981, May 1990 to current year.

GAGE.--Data Collection Platform. Datum of gage is 547.37 ft above sea level. Prior to May 1990, at datum 1.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, July 13, 19, 22, Aug. 2, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	24	30	33	55	35	62	60	32	16	16	12
2	16	58	28	37	254	34	61	49	30	15	16	12
3	16	101	28	42	381	33	55	44	29	15	15	13
4	38	61	28	35	206	32	50	40	28	14	14	43
5	72	41	28	32	97	32	48	38	29	14	14	38
6	59	34	27	32	67	361	48	37	27	14	13	25
7	38	82	33	49	58	396	47	38	27	14	13	19
8	29	127	32	49	52	264	45	37	30	15	15	18
9	24	70	39	43	49	160	44	35	34	18	16	16
10	22	48	42	42	46	80	42	34	30	16	15	14
11	20	223	36	41	44	61	41	35	27	15	14	14
12	19	195	33	43	41	54	41	34	26	14	20	14
13	19	92	31	42	40	50	41	33	25	13	20	13
14	30	62	30	41	39	48	45	32	25	13	18	12
15	55	49	29	41	38	47	43	32	25	17	16	11
16	39	42	29	40	38	53	42	32	24	19	14	15
17	29	38	28	38	37	66	39	32	23	18	22	20
18	23	35	28	38	36	54	38	31	22	16	21	16
19	21	34	43	50	35	143	43	29	22	14	15	14
20	20	34	47	57	53	112	47	28	27	13	13	13
21	19	33	39	46	62	74	51	27	22	13	12	13
22	17	31	35	40	50	59	48	26	21	13	12	15
23	17	29	33	38	44	52	45	25	20	12	11	14
24	17	35	31	40	42	48	42	24	20	11	11	13
25	16	44	30	40	39	48	40	153	19	19	13	12
26	16	38	29	37	38	49	45	60	18	41	28	12
27	19	34	28	240	38	48	47	61	17	34	17	11
28	43	33	28	167	38	69	42	57	17	24	15	12
29	38	34	27	85	38	72	44	51	16	19	15	20
30	27	31	27	63	---	59	70	41	16	17	14	33
31	24	---	28	60	---	56	---	35	---	15	13	---
TOTAL	858	1792	984	1681	2055	2749	1396	1290	728	521	481	507
MEAN	27.7	59.7	31.7	54.2	70.9	88.7	46.5	41.6	24.3	16.8	15.5	16.9
MAX	72	223	47	240	381	396	70	153	34	41	28	43
MIN	16	24	27	32	35	32	38	24	16	11	11	11
CFSM	.94	2.02	1.08	1.84	2.40	3.01	1.58	1.41	.82	.57	.53	.57
IN.	1.08	2.26	1.24	2.12	2.59	3.47	1.76	1.63	.92	.66	.61	.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1996, BY WATER YEAR (WY)

	MEAN	26.7	32.8	39.7	60.9	53.9	67.8	48.7	39.7	30.8	21.9	24.4	22.5
MAX	62.9	79.0	99.2	99.5	99.7	137	89.3	77.8	70.2	48.0	100	121	121
(WY)	1977	1993	1973	1972	1975	1975	1973	1975	1972	1968	1995	1973	1973
MIN	10.5	12.4	16.9	18.8	32.9	28.8	24.5	16.9	11.8	10.1	8.75	8.03	8.03
(WY)	1979	1979	1979	1981	1978	1981	1981	1981	1970	1992	1993	1981	1981

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1967 - 1996
ANNUAL TOTAL	17587.3	15042	
ANNUAL MEAN	48.2	41.1	39.5
HIGHEST ANNUAL MEAN			62.2
LOWEST ANNUAL MEAN			21.6
HIGHEST DAILY MEAN	1430	396	2520
LOWEST DAILY MEAN	5.0	11 ***	3.4
ANNUAL SEVEN-DAY MINIMUM	5.4	12	3.7
INSTANTANEOUS PEAK FLOW		720	4100
INSTANTANEOUS PEAK STAGE		4.10	** 9.86
ANNUAL RUNOFF (CFSM)	1.63	1.39	1.34
ANNUAL RUNOFF (INCHES)	22.18	18.97	18.17
10 PERCENT EXCEEDS	64	61	60
50 PERCENT EXCEEDS	31	33	27
90 PERCENT EXCEEDS	11	14	12

\* Also occurred on Sept. 30, 1981.

\*\* At datum then in use.

\*\*\* Also occurred on Aug. 23, 24, Sept. 15, 27.

## 02166500 LAKE GREENWOOD NEAR CHAPPELLE, SC

LOCATION.--Lat 34°10'08'', long 81°54'30'', Newberry County, Hydrologic Unit 03050109, at 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>.

PERIOD OF RECORD.--May 1940 to current year.

GAGE.--Data collection platform. Datum of gage is sea level (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) sea level. 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 1.5 ft flashboards on top of spillway gages is 441.5 ft sea level. 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 levels were first reached, 424.42 ft, Oct. 16, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 440.09 ft, May 26; minimum elevation, 434.77 ft, Jan. 26.

## Capacity Table

(prepared from capacity curve drawn by D. T. Duncan, Engineer)

Elevation, in feet (sea level)	Usable contents, in billions of cubic feet	Elevation, in feet (sea level)	Usable contents, in billions of cubic feet
433.0	4.51	438.0	6.72
434.0	4.94	439.0	7.18
435.0	5.38	440.0	7.64
436.0	5.82	441.0	8.10
437.0	6.27	442.0	8.56

ELEVATION (FEET SEA LEVEL), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	436.98	437.01	436.96	437.09	438.10	436.33	438.18	438.97	438.89	439.02	438.93	439.05
2	436.98	437.06	437.02	437.16	439.48	436.32	438.27	438.86	438.91	439.08	439.00	439.06
3	437.04	437.10	437.04	436.89	439.75	436.40	438.28	438.97	438.97	439.00	439.08	438.70
4	436.92	437.16	437.00	436.71	439.77	436.51	438.25	439.05	439.05	438.98	439.12	438.29
5	437.19	437.04	437.00	436.57	439.89	436.64	438.41	439.02	439.04	438.96	439.05	438.31
6	437.51	437.05	437.03	436.53	439.87	438.32	438.43	439.05	439.02	438.96	439.07	438.41
7	437.36	437.01	437.04	436.59	439.76	439.95	438.40	439.01	439.04	438.95	439.07	438.51
8	437.06	437.07	437.09	436.51	439.56	439.70	438.69	438.97	439.11	438.95	439.00	438.52
9	436.99	437.08	437.20	436.36	439.37	439.79	438.64	439.01	439.06	438.96	439.08	438.35
10	437.07	436.94	437.04	436.17	439.11	439.77	438.69	438.99	439.00	438.95	438.98	438.29
11	437.07	437.98	436.96	436.13	438.81	439.62	438.82	439.11	438.97	438.95	439.00	438.26
12	437.05	438.92	436.99	436.00	438.65	439.40	438.84	439.04	439.03	438.96	438.93	438.22
13	437.05	439.38	437.07	435.99	438.55	439.13	439.02	439.05	438.88	438.99	439.09	438.19
14	437.19	439.34	436.98	435.86	438.44	438.83	439.04	439.02	438.96	438.99	439.10	438.10
15	437.28	439.10	436.98	435.77	438.21	438.48	439.03	439.07	439.03	439.07	438.98	437.99
16	437.09	438.77	437.00	435.71	437.84	438.15	438.97	439.05	439.10	439.00	439.03	438.21
17	437.03	438.38	437.05	435.54	437.40	437.93	439.04	438.99	439.02	439.02	439.06	437.80
18	437.07	437.98	437.05	435.30	436.96	437.65	439.07	438.99	439.01	438.98	439.05	437.78
19	437.04	437.15	437.02	435.30	436.47	437.92	439.02	439.01	439.02	438.98	439.05	437.75
20	437.05	437.13	436.97	435.58	436.17	437.97	438.96	439.00	439.01	439.06	439.02	437.65
21	437.04	436.93	436.96	435.52	435.98	437.77	439.09	438.98	439.03	438.98	439.00	437.64
22	437.10	437.03	437.03	435.21	435.83	437.49	439.06	438.97	439.01	438.98	439.00	437.51
23	437.02	437.09	437.04	435.04	435.80	437.54	439.03	439.06	439.04	439.01	438.97	437.51
24	437.00	437.08	436.95	434.90	435.93	437.78	438.94	439.01	439.01	439.03	439.04	437.41
25	437.01	437.09	437.00	434.91	436.15	437.95	438.99	439.90	439.02	439.16	439.09	437.36
26	437.02	436.99	437.01	434.78	436.21	438.04	439.07	439.94	439.04	439.06	439.07	437.30
27	437.15	437.03	437.06	435.97	436.19	438.00	439.03	439.89	439.09	438.94	439.17	437.27
28	437.01	436.99	437.00	437.34	436.17	437.96	439.02	439.75	439.05	438.95	439.10	437.36
29	437.04	437.01	437.01	438.23	436.22	438.06	439.22	439.54	439.08	439.02	439.02	437.12
30	437.06	436.99	437.03	438.25	---	438.21	439.19	439.17	439.09	439.05	439.04	437.72
31	437.06	---	437.01	438.26	---	438.23	---	438.90	---	439.04	439.05	---
MAX	437.51	439.38	437.20	438.26	439.89	439.95	439.22	439.94	439.11	439.16	439.17	439.06
MIN	436.92	436.93	436.95	434.78	435.80	436.32	438.18	438.86	438.88	438.94	438.93	437.12
(+)	6.30	6.27	6.27	6.84	5.92	6.83	7.27	7.13	7.22	7.20	7.20	6.59
(*)	-7.47	-11.57	0	+213	-367	+340	+170	-52.3	+34.7	-7.47	0	-235
CAL YR 1995	*	0		MAX 440.03	MIN 434.67							
WTR YR 1996	*	+8.54		MAX 439.95	MIN 434.78							

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

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

## SANTEE RIVER BASIN

02166501 LAKE GREENWOOD TAILRACE NEAR CHAPPELLE, SC

LOCATION.--Lat 34°10'10'', long 81°54'10'', Newberry County, Hydrologic Unit 03050109, on left wingwall at downstream side of gated spillway, 200 ft below dam, on Saluda River, 0.7 mi upstream from Wilson Creek and 2.4 mi west of Chappells.

DRAINAGE.--1,170 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1986 to current year. Records for May 1977 to September 1986 are in files of the U.S. Geological Survey.

GAGE.--Data collection platform. Datum of gage is 370 ft above sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 32.89 ft, Aug. 28, 1995; minimum gage height, 5.40 ft, July 31, 1990, Aug. 31, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 28.29 ft, Feb. 3; minimum gage height, 5.54 ft, July 2.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	13.53	5.64	8.30	13.71	5.87	8.81	12.88	5.82	8.54	11.07	5.95	8.13
2	13.12	5.64	7.15	13.82	5.94	10.33	10.81	5.80	7.20	12.57	5.95	8.88
3	11.21	5.63	6.56	14.00	6.44	11.63	13.01	5.80	8.00	13.68	11.36	12.45
4	14.49	5.65	12.02	11.96	6.36	10.00	12.93	5.79	8.75	13.58	6.01	10.99
5	14.42	14.21	14.30	11.94	9.18	10.95	13.10	5.79	8.43	13.14	5.97	10.01
6	14.26	13.88	14.05	11.85	5.85	9.58	13.01	5.78	8.09	10.95	8.77	9.31
7	13.95	13.77	13.85	14.56	5.84	11.31	13.35	5.80	8.94	11.39	8.79	10.34
8	13.84	11.80	13.09	14.65	14.22	14.51	13.35	5.99	8.96	11.38	11.09	11.22
9	11.86	5.74	9.99	14.26	13.54	13.83	13.40	5.99	8.68	11.21	10.93	11.09
10	11.77	5.73	8.34	13.56	8.80	12.47	13.32	6.33	10.80	11.27	10.89	11.05
11	11.85	5.71	8.61	14.28	8.73	11.41	13.37	5.97	9.92	11.18	5.92	9.95
12	11.81	5.69	8.47	14.93	14.23	14.49	13.17	5.91	8.55	13.39	5.92	10.05
13	11.64	5.68	8.26	14.98	13.81	14.52	11.05	5.88	7.89	11.54	5.98	9.57
14	11.76	5.71	7.87	13.81	12.80	13.53	13.07	5.87	9.24	13.36	5.96	10.24
15	13.84	5.83	11.36	13.51	13.38	13.44	12.80	5.86	8.51	11.59	8.85	10.23
16	13.83	11.83	13.27	13.46	13.34	13.40	12.93	5.86	8.40	11.15	8.82	9.82
17	11.86	5.70	10.22	13.41	13.25	13.35	11.61	5.84	7.69	11.17	11.08	11.13
18	11.81	5.69	8.44	13.37	13.20	13.30	11.09	5.83	8.74	11.39	11.04	11.19
19	11.51	5.69	8.56	13.33	13.15	13.26	12.06	8.82	10.78	12.09	11.33	11.85
20	11.76	5.68	8.53	13.28	13.15	13.21	12.07	11.21	11.66	12.04	11.55	11.72
21	13.51	5.68	7.89	13.27	5.81	11.32	11.73	8.99	10.91	13.62	11.52	12.73
22	11.73	5.67	7.54	11.35	5.79	7.89	10.80	8.71	9.19	13.62	11.48	13.13
23	11.77	5.67	8.80	13.24	5.79	8.11	11.02	8.79	9.32	11.50	11.39	11.44
24	11.49	5.66	8.21	13.33	5.78	10.09	13.12	8.78	9.67	11.46	11.33	11.41
25	11.48	5.66	7.70	11.73	6.17	10.00	9.20	5.88	8.54	11.53	9.13	10.43
26	11.75	5.66	7.68	13.19	6.11	10.03	8.95	8.84	8.90	11.75	9.12	10.93
27	11.74	5.66	7.82	12.96	5.97	8.45	10.76	5.84	8.48	16.23	11.72	14.46
28	13.86	5.70	10.62	11.12	5.88	9.26	13.14	5.82	8.92	16.36	14.65	15.64
29	11.97	6.05	9.07	12.98	5.86	8.82	11.20	5.81	8.27	14.67	13.59	13.96
30	11.47	5.80	8.19	12.98	5.85	8.75	10.99	5.80	8.43	13.60	13.42	13.53
31	13.64	5.77	8.78	---	---	---	10.96	8.78	9.27	14.03	13.42	13.71
MONTH	14.49	5.63	9.47	14.98	5.78	11.33	13.40	5.78	8.96	16.36	5.92	11.31







## SANTEE RIVER BASIN

02166970 NINETY-SIX CREEK NEAR NINETY-SIX, SC

LOCATION.--Lat 34°07'57'', long 81°59'48'', Greenwood County, Hydrologic Unit 03050109, near left bank, 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.--Data collection platform. Elevation of gage is 425 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Nov. 7, 8, Dec. 12, 13, Aug. 5, 6, 28, 29 Sept. 3 - 5, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	16	9.7	17	47	10	28	32	4.7	3.3	4.0	3.5
2	3.6	28	9.6	24	382	9.9	17	16	4.2	3.2	3.9	3.5
3	3.4	32	9.5	37	478	8.8	13	12	3.8	3.2	3.9	5.5
4	106	15	9.1	17	51	8.3	12	10	3.6	3.3	3.6	5.2
5	60	11	9.1	13	29	8.3	11	9.1	3.7	3.4	3.8	3.9
6	19	9.4	9.1	12	24	240	11	8.5	3.3	4.0	4.0	3.7
7	11	22	27	66	21	536	12	8.8	3.4	4.1	4.1	3.3
8	8.4	53	16	28	19	84	11	10	4.0	4.0	4.1	2.8
9	7.3	18	50	18	17	25	10	8.5	6.2	4.1	4.4	2.5
10	6.7	13	22	15	15	18	9.3	7.3	4.1	4.0	5.5	2.8
11	5.9	162	14	13	15	16	9.0	6.8	4.8	3.7	5.2	7.0
12	5.7	99	13	21	13	14	8.9	6.8	4.2	3.5	7.2	4.9
13	7.0	21	12	16	12	13	8.8	6.0	8.0	3.7	6.9	3.7
14	45	16	11	13	12	12	11	5.8	3.7	4.4	6.3	3.6
15	35	13	11	12	12	23	10	5.6	3.2	6.0	5.3	2.9
16	10	11	11	11	11	28	9.7	5.8	3.0	6.7	4.5	3.2
17	7.0	11	10	11	11	16	8.2	5.6	2.7	4.5	4.1	7.5
18	6.1	10	9.6	11	11	15	7.7	5.0	2.6	4.1	3.9	5.1
19	5.7	9.7	219	312	10	69	9.2	4.7	2.5	4.2	3.9	3.7
20	5.5	9.6	58	41	49	26	12	4.4	2.4	4.1	4.0	3.3
21	5.4	9.2	22	22	25	16	12	4.1	2.5	3.9	3.9	3.5
22	5.4	9.0	16	17	16	13	9.3	3.9	2.5	3.9	3.7	6.0
23	5.3	8.9	13	15	13	12	8.1	3.6	2.7	3.8	4.1	5.1
24	5.2	31	12	22	12	11	11	3.5	2.6	3.5	4.3	3.9
25	5.2	35	11	19	10	11	8.0	9.0	2.5	3.5	4.5	3.6
26	5.2	15	11	15	11	12	16	6.2	2.6	4.1	4.2	3.4
27	5.8	12	10	562	10	11	13	10	2.6	5.2	4.4	3.4
28	16	11	10	66	14	59	8.6	18	2.7	4.7	4.5	3.8
29	8.5	11	9.7	29	18	24	30	8.4	3.1	4.4	4.4	5.4
30	7.1	11	9.8	22	---	16	469	6.2	3.1	5.0	4.2	37
31	11	---	13	188	---	15	---	5.6	---	4.6	3.8	---
TOTAL	442.0	732.8	677.2	1685	1368	1380.3	813.8	257.2	105.0	128.1	138.6	156.7
MEAN	14.3	24.4	21.8	54.4	47.2	44.5	27.1	8.30	3.50	4.13	4.47	5.22
MAX	106	162	219	562	478	536	469	32	8.0	6.7	7.2	37
MIN	3.4	8.9	9.1	11	10	8.3	7.7	3.5	2.4	3.2	3.6	2.5
CFSM	.82	1.40	1.26	3.12	2.71	2.56	1.56	.48	.20	.24	.26	.30
IN.	.94	1.57	1.45	3.60	2.92	2.95	1.74	.55	.22	.27	.30	.34

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1996, BY WATER YEAR (WY)

	MEAN	8.82	14.3	21.9	36.2	45.6	36.5	14.9	7.63	6.99	3.90	4.89	1.75
MAX	50.5	65.4	50.6	86.5	92.8	90.3	43.8	35.9	51.4	28.4	33.8	5.65	
(WY)	1991	1986	1984	1982	1983	1993	1983	1984	1994	1989	1994	1995	
MIN	.10	.92	2.54	3.07	8.85	5.85	3.72	1.90	.92	.15	.21	.24	
(WY)	1988	1988	1989	1981	1986	1985	1985	1981	1988	1993	1993	1983	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1981 - 1996

ANNUAL TOTAL	6800.98	7884.7	16.8	
ANNUAL MEAN	18.6	21.5	26.9	1993
HIGHEST ANNUAL MEAN			4.52	1988
LOWEST ANNUAL MEAN			810	Jan 4 1982
HIGHEST DAILY MEAN	547	Feb 18	.05	Oct 19 1987
LOWEST DAILY MEAN	.38	Jul 17	.07	Oct 4 1987
ANNUAL SEVEN-DAY MINIMUM	.52	Jul 16	Unknown	Jun 29 1994
INSTANTANEOUS PEAK FLOW			* 15.35	Jun 29 1994
INSTANTANEOUS PEAK STAGE			.97	
ANNUAL RUNOFF (CFSM)	1.07		13.14	
ANNUAL RUNOFF (INCHES)	14.54		23	
10 PERCENT EXCEEDS	29		4.0	
50 PERCENT EXCEEDS	5.8		.55	
90 PERCENT EXCEEDS	1.2			

\* From floodmarks.



## SANTÉE RIVER BASIN

02167450 LITTLE RIVER NEAR SILVERSTREET, SC

LOCATION.--Lat 34°12'34'', long 81°45'48'', Newberry County, Hydrologic Unit 03050109, near center of span on downstream side of bridge on US Highway 34, 3.4 mi downstream from Mud Lick Creek, 2.8 mi upstream from mouth, 2.9 mi west of Silverstreet, SC.

DRAINAGE AREA.--230 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--March 1990 to current year. Occasional low-flow measurements, water years 1953 - 77.

GAGE.--Data collection platform. Elevation of gage is 360 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	148	153	148	505	149	1140	1610	112	55	48	61
2	65	187	144	167	888	145	442	318	103	53	50	69
3	64	439	138	324	5600	141	283	225	99	53	49	81
4	253	274	135	240	4800	135	238	188	97	51	83	74
5	513	176	132	175	1410	132	214	172	96	48	62	166
6	349	142	129	154	408	447	200	151	93	50	53	102
7	185	197	159	247	330	2550	205	146	89	52	52	75
8	127	524	191	309	289	3650	190	141	100	50	50	66
9	105	378	196	221	262	1640	181	134	126	48	55	77
10	94	202	251	200	236	420	170	126	119	47	158	68
11	88	316	188	186	222	305	160	120	101	44	94	103
12	84	1310	163	193	202	262	155	139	95	43	89	69
13	82	2790	151	199	188	235	154	120	107	44	126	62
14	98	827	144	179	183	216	169	112	96	44	90	57
15	128	336	139	163	179	207	174	109	90	52	92	54
16	113	254	139	153	172	230	170	109	86	80	66	75
17	88	210	134	146	169	275	154	107	81	70	58	398
18	80	187	129	145	162	266	144	103	78	55	66	170
19	78	175	248	491	157	420	154	98	75	49	54	94
20	76	162	323	420	206	784	272	93	75	46	52	76
21	75	153	216	243	306	416	276	90	99	53	49	68
22	75	143	174	199	224	276	218	88	79	57	48	75
23	71	137	155	183	194	232	181	84	72	47	54	85
24	70	180	145	184	182	209	162	80	68	44	48	68
25	70	501	139	211	168	197	149	106	65	58	49	62
26	70	294	135	180	157	200	146	283	67	70	57	59
27	72	215	133	1380	154	192	174	514	64	98	52	57
28	267	186	128	2340	156	331	152	380	60	69	131	58
29	234	173	125	1040	163	422	153	209	59	57	168	71
30	127	166	123	352	---	287	1210	147	57	54	90	182
31	111	---	133	456	---	259	---	125	---	48	69	---
TOTAL	3977	11382	4992	11228	18272	15630	7790	6427	2608	1689	2262	2782
MEAN	128	379	161	362	630	504	260	207	86.9	54.5	73.0	92.7
MAX	513	2790	323	2340	5600	3650	1210	1610	126	98	168	398
MIN	64	137	123	145	154	132	144	80	57	43	48	54
CFSM	.56	1.65	.70	1.57	2.74	2.19	1.13	.90	.38	.24	.32	.40
IN.	.64	1.84	.81	1.82	2.96	2.53	1.26	1.04	.42	.27	.37	.45

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

	1990	1991	1992	1993	1994	1995	1996
MEAN	142	237	234	369	450	480	191
MAX	369	572	592	658	714	906	291
(WY)	1991	1993	1995	1993	1995	1993	1991
MIN	42.0	59.2	75.5	88.1	204	283	118
(WY)	1992	1992	1992	1992	1992	1992	1995

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1990 - 1996

ANNUAL TOTAL	87009	89039	
ANNUAL MEAN	238	243	228
HIGHEST ANNUAL MEAN			304
LOWEST ANNUAL MEAN			102
HIGHEST DAILY MEAN	3550	5600	5600
LOWEST DAILY MEAN	28	43	11
ANNUAL SEVEN-DAY MINIMUM	30	46	14
INSTANTANEOUS PEAK FLOW		7060	8400
INSTANTANEOUS PEAK STAGE		15.07	15.60
INSTANTANEOUS LOW FLOW		42	11
ANNUAL RUNOFF (CFSM)	1.04	1.06	.99
ANNUAL RUNOFF (INCHES)	14.07	14.40	13.47
10 PERCENT EXCEEDS	373	360	364
50 PERCENT EXCEEDS	123	144	108
90 PERCENT EXCEEDS	51	55	38

\* Also occurred on Aug. 20, 21.

\*\* Also occurred on July 12, 13, 24.

SANTÉE RIVER BASIN  
02167557 BUSH RIVER AT JOANNA, SC

LOCATION.--Lat 34°24'28'', long 81°49'35'', Laurens County, Hydrologic Unit 03050108, downstream side of bridge on State Highway 66, 1.0 mi west of Joanna.

DRAINAGE AREA.--11.1 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1995 to current year.

GAGE.--Data collection platform. Elevation of gage is 530 ft above sea level (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, Jan. 20 - 23, Apr. 26, 27, May 7 - 11, July 13 - 15, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	19	11	14	22	7.8	21	33	8.9	4.4	2.8	3.2
2	7.3	52	10	14	204	7.9	15	19	7.3	4.3	2.8	5.6
3	7.4	34	9.6	78	286	7.5	11	15	7.7	3.9	2.9	8.6
4	56	16	9.9	17	41	6.9	10	13	8.4	3.3	3.9	40
5	56	11	9.6	12	25	7.3	9.7	12	9.4	3.6	2.7	29
6	23	9.9	9.1	11	18	210	9.8	11	8.6	4.7	2.4	5.1
7	11	31	20	31	16	248	11	11	8.4	4.6	2.4	4.2
8	8.3	50	14	24	16	60	8.8	11	18	4.7	2.8	5.2
9	7.7	16	23	16	14	23	9.1	10	26	4.7	9.7	4.2
10	7.4	12	16	15	12	15	8.3	10	14	4.9	4.9	4.1
11	7.2	173	11	13	12	13	7.6	15	11	4.8	3.4	4.1
12	7.2	193	10	16	11	11	7.3	18	9.6	4.8	5.4	4.0
13	8.0	33	9.5	14	10	10	8.0	11	12	4.7	4.1	4.1
14	21	21	9.2	11	12	9.6	18	11	8.9	4.8	3.0	3.7
15	30	17	9.4	10	9.5	11	12	9.2	8.9	8.0	2.6	3.7
16	10	14	9.5	9.9	11	17	11	9.4	7.9	13	2.4	20
17	8.2	12	8.9	9.9	11	18	9.0	9.6	7.2	4.9	2.4	75
18	7.6	11	8.9	11	10	13	9.5	10	6.5	4.4	2.2	6.2
19	7.4	11	25	52	9.3	119	24	9.5	6.5	3.7	2.5	4.3
20	7.3	9.9	19	17	34	35	35	8.5	31	3.7	2.3	3.8
21	7.7	10	12	15	21	18	27	8.5	13	3.8	2.4	3.9
22	7.7	10	10	13	14	13	16	9.3	8.7	3.9	2.2	5.6
23	7.9	10	9.5	11	11	11	14	10	7.1	3.5	2.3	4.1
24	9.0	46	8.9	14	11	9.7	13	9.6	6.5	3.4	2.5	3.6
25	8.5	45	8.6	14	8.8	9.5	12	37	6.6	5.1	2.6	3.6
26	8.8	18	8.7	10	8.4	11	19	18	5.3	8.3	2.8	3.8
27	20	14	8.6	250	8.6	10	17	29	5.2	3.9	9.6	4.1
28	135	13	8.3	44	9.1	56	13	17	4.7	3.3	117	4.7
29	19	12	8.1	20	9.2	23	32	13	4.4	3.1	7.5	5.1
30	11	11	8.5	15	---	15	231	11	4.2	3.0	3.8	121
31	14	---	10	37	---	15	---	10	---	2.8	3.2	---
TOTAL	553.7	934.8	353.8	838.8	884.9	1041.2	649.1	428.6	291.9	144.0	223.5	397.6
MEAN	17.9	31.2	11.4	27.1	30.5	33.6	21.6	13.8	9.73	4.65	7.21	13.3
MAX	135	193	25	250	286	248	231	37	31	13	117	121
MIN	7.1	9.9	8.1	9.9	8.4	6.9	7.3	8.5	4.2	2.8	2.2	3.2
CFSM	1.61	2.81	1.03	2.44	2.75	3.03	1.95	1.25	.88	.42	.65	1.19
IN.	1.86	3.13	1.19	2.81	2.97	3.49	2.18	1.44	.98	.48	.75	1.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1996, BY WATER YEAR (WY)

	1995	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MEAN	17.9	31.2	11.4	27.1	30.5	33.6	21.6	13.8	9.73	4.12	9.92	10.6
MAX	17.9	31.2	11.4	27.1	30.5	33.6	21.6	13.8	9.73	4.65	12.6	13.3
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	17.9	31.2	11.4	27.1	30.5	33.6	21.6	13.8	9.73	3.60	7.21	7.92
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1995	1996	1995

SUMMARY STATISTICS

FOR 1996 WATER YEAR

WATER YEARS 1995 - 1996

ANNUAL TOTAL	6741.9											
ANNUAL MEAN	18.4									18.4		
HIGHEST ANNUAL MEAN										18.4		1996
LOWEST ANNUAL MEAN										18.4		1996
HIGHEST DAILY MEAN	286	Feb 3								286	Feb 3	1996
LOWEST DAILY MEAN	2.2	* Aug 18								2.2	* Aug 18	1996
ANNUAL SEVEN-DAY MINIMUM	2.3	Aug 17								2.3	Aug 17	1996
INSTANTANEOUS PEAK FLOW	606	Feb 2								606	Feb 2	1996
INSTANTANEOUS PEAK STAGE	8.09	Feb 2								8.09	Feb 2	1996
ANNUAL RUNOFF (CFSM)	1.66									1.66		
ANNUAL RUNOFF (INCHES)	22.59									22.55		
10 PERCENT EXCEEDS	31									25		
50 PERCENT EXCEEDS	10									8.8		
90 PERCENT EXCEEDS	3.7									3.5		

\* Also occurred on Aug. 22.



SANTEE RIVER BASIN  
02167582 BUSH RIVER NEAR PROSPERITY, SC

LOCATION.--Lat 34°10'07'', long 81°36'38'', Newberry County, Hydrologic Unit 03050109, at downstream side near center of bridge on County Road 244, 5.2 mi southwest of Prosperity, and 7.2 mi south of the center of Newberry, SC.

DRAINAGE AREA.--115 mi<sup>2</sup>.

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

GAGE.--Data collection platform. Elevation of gage is 360 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Feb. 12 - 15, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	76	68	95	265	69	861	539	53	28	20	27
2	26	90	66	91	834	67	262	272	51	27	21	61
3	29	128	64	225	2500	63	143	106	49	26	21	82
4	323	108	63	141	1500	60	118	87	48	23	36	53
5	506	72	62	108	358	59	107	78	48	22	32	87
6	153	59	60	89	162	434	104	73	47	26	52	82
7	98	175	93	245	134	1680	107	72	46	26	25	45
8	62	258	88	197	123	1190	101	73	136	24	21	32
9	50	124	116	124	114	440	95	69	157	23	32	29
10	44	86	110	107	106	166	90	65	82	23	88	84
11	42	297	90	97	102	126	87	62	68	22	48	222
12	40	459	77	105	97	114	85	76	58	22	36	58
13	40	476	72	99	89	106	84	74	57	22	40	37
14	48	251	69	90	83	101	92	62	94	22	39	29
15	86	132	67	83	79	108	93	60	62	28	33	25
16	70	97	72	77	78	124	90	59	51	50	26	148
17	52	82	69	76	77	154	83	57	46	39	22	670
18	43	73	65	79	75	135	79	57	45	32	22	171
19	40	68	317	362	72	852	99	52	44	25	19	81
20	39	65	208	248	107	383	129	50	46	23	19	50
21	37	64	120	131	138	237	131	48	51	43	18	40
22	34	61	96	101	108	135	108	46	54	25	18	51
23	33	58	84	91	89	114	92	45	43	22	18	39
24	33	105	78	103	81	104	91	44	38	21	18	38
25	35	232	74	107	74	100	81	57	36	24	33	33
26	35	160	71	92	69	100	84	110	33	36	73	30
27	36	101	69	1100	68	98	89	190	32	35	36	29
28	105	84	68	929	75	240	83	135	30	30	52	31
29	101	78	66	444	79	209	85	87	30	25	93	52
30	100	73	64	153	---	147	564	69	28	22	88	323
31	69	---	80	291	---	123	---	59	---	20	38	---
TOTAL	2435	4192	2766	6280	7736	8038	4317	2933	1663	836	1137	2739
MEAN	78.5	140	89.2	203	267	259	144	94.6	55.4	27.0	36.7	91.3
MAX	506	476	317	1100	2500	1680	861	539	157	50	93	670
MIN	26	58	60	76	68	59	79	44	28	20	18	25
CFSM	.68	1.22	.78	1.76	2.32	2.25	1.25	.82	.48	.23	.32	.79
IN.	.79	1.36	.89	2.03	2.50	2.60	1.40	.95	.54	.27	.37	.89

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

	1990	1991	1992	1993	1994	1995	1996
MEAN	115	119	115	236	234	249	98.0
MAX	294	338	300	407	367	480	145
(WY)	1991	1993	1995	1995	1993	1991	1994
MIN	24.7	30.3	44.5	50.8	121	120	56.3
(WY)	1992	1992	1992	1992	1990	1995	1994

SUMMARY STATISTICS FOR 1995 CALENDAR YEAR FOR 1996 WATER YEAR WATER YEARS 1990 - 1996

	1995	1996	1990-1996
ANNUAL TOTAL	48256	45072	
ANNUAL MEAN	132	123	
HIGHEST ANNUAL MEAN			128
LOWEST ANNUAL MEAN			178
HIGHEST DAILY MEAN	4330	2500	60.9
LOWEST DAILY MEAN	** 18	18	12
ANNUAL SEVEN-DAY MINIMUM	18	19	13
INSTANTANEOUS PEAK FLOW		2800	5570
INSTANTANEOUS PEAK STAGE		13.01	16.06
ANNUAL RUNOFF (CFSM)	1.15	1.07	1.11
ANNUAL RUNOFF (INCHES)	15.61	14.58	15.08
10 PERCENT EXCEEDS	219	227	240
50 PERCENT EXCEEDS	63	74	50
90 PERCENT EXCEEDS	26	26	22

\* Also occurred on Aug. 22 - 24.

\*\* Also occurred on Aug. 15, 16, 18.



SANTEE RIVER BASIN  
02167600 SALUDA RIVER NEAR PROSPERITY, SC  
WATER-QUALITY RECORDS

LOCATION.--Lat 34°05'57'', long 81°34'07'', Saluda County, Hydrologic Unit Code 03050109, at Hwy 391 Bridge, 3.9 miles north of Hwy 378 Traffic Circle, 17.9 miles east of Saluda, 3.3 miles north of confluence of Little Saluda River, and 14.5 miles south of Prosperity.

PERIOD OF RECORD.--Water years 1993 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: February 1993 to current year.

DISSOLVED OXYGEN: February 1993 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 33.5 °C, July 16, Aug. 18, 1995; minimum, 3.5°C, Feb. 5, 6, 1996.

DISSOLVED OXYGEN: Maximum, 15.2 mg/L, Aug. 26, 1994; minimum, 0.0 mg/L, July 8, 9, 23, Aug. 29 - 31, 1993, July 1 - 3, 12, 13, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 32.0 °C, July 2; minimum, 3.5°C, Feb. 5, 6.

DISSOLVED OXYGEN: Maximum, 11.9 mg/L, several days in Jan.; minimum, 1.7 mg/L, July 6.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.5	22.0	22.5	17.5	16.5	16.5	12.0	11.5	12.0	7.5	6.5	7.0
2	23.5	22.5	23.0	17.5	16.5	17.0	12.0	11.5	11.5	8.0	7.5	7.5
3	24.0	22.5	23.5	18.0	17.0	17.5	12.5	11.0	11.5	8.0	7.5	8.0
4	24.0	23.0	23.5	18.0	17.0	17.5	12.0	11.0	11.5	8.5	7.0	7.5
5	23.0	22.0	22.5	17.0	15.5	16.5	11.5	11.0	11.0	8.0	7.0	7.5
6	23.0	21.5	22.0	15.5	15.0	15.5	11.5	11.0	11.0	7.5	6.5	7.0
7	23.5	22.0	22.5	15.5	15.0	15.0	11.5	11.0	11.0	6.5	5.5	6.0
8	22.5	22.0	22.0	15.5	15.0	15.0	11.0	10.0	10.5	5.5	4.5	5.0
9	23.5	21.5	22.0	15.0	14.0	14.5	10.0	9.5	10.0	5.0	4.5	4.5
10	23.5	21.5	22.5	14.5	14.0	14.0	9.5	8.5	9.0	5.0	4.5	5.0
11	23.0	22.0	22.5	14.5	14.0	14.5	8.5	8.0	8.0	5.5	5.0	5.0
12	22.0	21.5	22.0	14.0	13.0	13.5	9.0	8.0	8.5	5.5	5.0	5.0
13	22.0	21.5	21.5	13.0	12.5	13.0	9.0	8.0	8.5	5.5	5.0	5.0
14	22.5	22.0	22.0	12.5	11.5	12.0	9.5	8.0	8.5	6.5	5.5	5.5
15	22.5	21.5	22.0	12.0	11.5	12.0	11.0	8.5	9.5	7.0	5.5	6.0
16	21.5	20.0	21.0	13.0	12.0	12.0	10.5	10.0	10.0	6.5	6.5	6.5
17	20.5	20.0	20.0	12.5	12.0	12.0	10.0	10.0	10.0	6.5	6.0	6.5
18	20.5	19.5	20.0	13.0	12.0	12.0	10.0	9.5	10.0	7.5	6.5	7.0
19	20.5	19.5	20.0	13.0	12.0	12.5	9.5	9.0	9.5	8.5	7.5	8.0
20	20.5	19.5	20.0	12.5	12.0	12.5	9.0	8.5	9.0	7.5	6.5	7.0
21	19.5	19.0	19.5	12.5	12.0	12.0	8.5	8.0	8.5	6.5	5.5	6.0
22	19.5	18.5	19.0	12.0	11.5	12.0	8.0	7.5	8.0	5.5	5.0	5.5
23	20.0	18.0	19.0	11.5	11.0	11.5	7.5	7.0	7.5	6.5	5.5	6.0
24	20.5	18.5	19.5	11.5	10.5	11.0	7.0	6.5	6.5	7.0	6.0	6.5
25	21.0	19.5	20.0	11.0	10.0	10.5	6.5	6.0	6.0	7.0	6.5	6.5
26	21.0	19.5	20.0	11.5	10.0	10.5	6.0	5.5	6.0	6.5	6.0	6.5
27	20.5	19.5	20.0	11.0	10.0	10.5	6.0	5.5	6.0	8.0	6.5	7.5
28	20.0	19.0	19.5	12.0	10.5	11.0	6.0	5.5	5.5	7.5	7.0	7.0
29	19.0	18.0	18.5	12.5	11.5	12.0	6.0	5.5	5.5	7.0	5.5	6.0
30	18.0	17.5	17.5	12.0	12.0	12.0	6.0	5.0	5.5	6.0	5.5	6.0
31	17.5	17.0	17.0	---	---	---	6.5	6.0	6.0	7.0	6.0	6.5
MONTH	24.0	17.0	20.9	18.0	10.0	13.3	12.5	5.0	8.8	8.5	4.5	6.3

## Santee River Basin

02167600 SALUDA RIVER NEAR PROSPERITY, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	7.0	6.5	7.0	12.5	11.5	12.0	11.5	11.0	11.5	19.5	18.0	18.5
2	7.0	6.0	6.5	12.5	11.5	12.0	13.0	11.0	11.5	18.5	18.0	18.0
3	6.0	4.0	5.0	11.5	11.0	11.5	13.5	11.5	12.5	19.0	18.0	18.5
4	4.0	4.0	4.0	12.5	11.0	11.5	14.0	13.0	13.5	22.0	18.5	19.0
5	4.0	3.5	4.0	11.5	10.5	11.0	15.5	13.5	14.5	22.0	18.5	19.5
6	4.5	3.5	4.0	12.5	11.5	12.0	15.0	14.0	14.5	22.5	19.0	20.0
7	5.0	4.0	4.5	12.5	12.0	12.0	15.0	13.5	14.0	23.0	20.5	21.5
8	5.5	5.0	5.5	12.0	10.0	11.0	15.0	13.5	14.0	22.5	22.0	22.5
9	7.0	5.5	6.5	10.0	9.0	9.5	14.5	13.5	14.0	---	---	---
10	8.5	7.0	7.0	9.0	8.0	8.5	14.5	13.5	14.0	---	---	---
11	8.0	7.5	7.5	9.0	8.0	8.5	14.5	13.5	14.0	---	---	---
12	8.0	7.0	7.5	9.5	8.0	9.0	15.5	14.0	15.0	---	---	---
13	7.0	7.0	7.0	10.5	8.5	9.5	16.0	15.0	15.5	---	---	---
14	7.0	6.5	7.0	10.5	9.5	10.0	18.0	15.5	16.5	---	---	---
15	8.0	7.0	7.0	10.5	10.0	10.0	17.0	15.5	16.5	---	---	---
16	7.5	7.0	7.5	10.0	9.0	9.5	17.5	16.5	17.0	---	---	---
17	7.0	6.5	6.5	10.5	10.0	10.0	19.0	16.5	17.0	---	---	---
18	7.5	6.0	6.5	10.0	10.0	10.0	18.5	16.5	17.0	---	---	---
19	7.0	6.5	7.0	10.0	9.0	9.5	17.5	16.5	17.0	---	---	---
20	7.5	7.0	7.0	9.0	8.0	8.5	18.5	17.0	17.5	---	---	---
21	9.0	7.0	7.5	9.5	9.0	9.0	18.0	17.0	17.5	---	---	---
22	9.5	8.0	8.0	9.5	8.5	9.0	19.0	17.5	18.0	---	---	---
23	10.0	8.5	8.5	11.0	8.5	9.5	20.5	18.5	19.5	---	---	---
24	10.5	9.0	9.5	11.5	9.5	10.0	20.0	18.5	19.0	---	---	---
25	11.0	9.5	10.0	11.0	10.0	10.5	19.5	18.5	18.5	---	---	---
26	12.5	9.5	11.0	11.0	10.5	11.0	19.5	18.5	19.0	---	---	---
27	13.5	10.5	12.0	12.5	11.0	12.0	19.0	18.5	18.5	---	---	---
28	13.0	12.0	12.5	11.5	10.5	11.0	20.5	18.5	19.5	---	---	---
29	13.0	11.5	12.0	10.5	10.0	10.5	20.5	19.0	20.0	---	---	---
30	---	---	---	11.0	10.5	10.5	20.0	19.0	19.5	---	---	---
31	---	---	---	11.5	11.0	11.5	---	---	---	---	---	---
MONTH	13.5	3.5	7.4	12.5	8.0	10.3	20.5	11.0	16.2	23.0	18.0	19.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	---	---	---	30.0	29.5	29.5	29.0	28.0	28.5	28.0	27.5	27.5
2	---	---	---	32.0	30.0	30.5	28.5	28.0	28.0	28.0	27.0	27.0
3	---	---	---	31.0	29.5	30.5	29.5	28.0	28.5	28.5	26.0	27.0
4	---	---	---	29.5	28.5	29.0	30.0	28.5	29.5	27.0	25.5	26.0
5	---	---	---	29.0	27.5	28.5	30.5	29.5	29.5	26.5	26.0	26.5
6	---	---	---	28.0	27.5	27.5	30.0	29.0	29.5	28.0	25.5	26.5
7	---	---	---	29.0	27.5	28.0	30.5	29.0	29.5	28.5	26.5	27.0
8	---	---	---	29.0	28.0	28.5	30.0	29.0	29.5	29.5	27.0	28.0
9	---	---	---	29.0	28.0	28.5	29.5	29.0	29.5	30.0	28.0	28.5
10	---	---	---	30.5	28.5	29.0	30.0	28.0	29.0	29.5	27.5	28.0
11	---	---	---	29.5	28.0	28.5	29.0	28.0	28.5	28.5	27.0	27.5
12	---	---	---	28.0	27.5	28.0	28.5	27.5	28.0	29.0	27.0	27.5
13	26.5	26.0	26.5	28.0	27.0	27.5	29.5	27.5	28.0	28.0	26.5	27.0
14	27.0	26.0	26.5	28.5	27.0	27.5	28.5	28.0	28.0	28.0	26.0	26.5
15	27.5	26.5	27.0	28.0	27.5	28.0	30.0	27.5	28.5	28.0	25.0	26.5
16	29.0	26.5	27.5	29.0	27.0	27.5	29.0	28.5	28.5	26.5	24.5	25.0
17	29.0	27.5	28.5	---	---	---	30.0	28.5	29.0	25.5	24.5	25.0
18	30.0	28.5	29.0	---	---	---	30.5	29.5	30.0	25.5	24.0	25.0
19	29.5	29.0	29.5	---	---	---	31.0	29.5	30.0	27.0	24.5	25.0
20	29.5	29.0	29.0	---	---	---	31.0	30.0	30.0	25.5	23.5	24.5
21	29.5	29.0	29.0	---	---	---	31.0	30.0	30.5	24.5	23.5	24.0
22	30.0	29.0	29.5	---	---	---	31.0	29.5	30.0	24.5	23.0	23.5
23	30.5	29.5	30.0	---	---	---	30.5	30.0	30.0	25.0	23.5	24.0
24	30.5	29.5	30.0	---	---	---	30.5	29.5	30.0	27.5	24.0	25.0
25	31.0	29.0	30.0	---	---	---	30.5	29.0	29.5	24.5	21.0	23.0
26	31.0	29.5	30.5	---	---	---	30.0	29.0	29.5	26.0	20.0	22.5
27	30.5	30.0	30.0	29.5	28.5	29.0	29.5	29.0	29.0	27.5	21.0	24.0
28	30.5	29.5	30.0	29.0	28.0	28.5	29.5	28.5	29.0	26.5	20.5	23.0
29	30.0	29.5	29.5	30.0	27.5	28.5	29.5	28.0	29.0	21.0	17.5	18.5
30	30.0	29.5	29.5	30.0	28.0	29.0	28.5	28.0	28.5	18.5	15.5	17.0
31	---	---	---	29.5	28.5	29.0	28.5	28.0	28.0	---	---	---
MONTH	31.0	26.0	29.0	32.0	27.0	28.6	31.0	27.5	29.1	30.0	15.5	25.2
YEAR	32.0	3.5	17.0									

## Santee River Basin

02167600 SALUDA RIVER NEAR PROSPERITY, SC--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	9.3	4.6	6.9	6.7	5.4	6.0	8.8	7.9	8.3	11.7	11.3	11.5
2	8.1	5.0	6.6	7.0	5.3	6.1	8.9	8.0	8.4	11.5	10.6	11.1
3	9.5	7.1	8.3	7.1	6.3	6.5	9.5	8.0	8.6	11.3	10.7	11.0
4	8.9	5.7	7.4	6.7	6.0	6.3	9.1	8.4	8.7	10.9	10.6	10.7
5	7.0	5.1	6.1	6.5	5.7	6.1	9.0	8.4	8.8	11.0	10.5	10.8
6	5.2	3.5	4.5	6.7	5.7	6.1	9.2	8.2	8.6	11.1	10.7	10.9
7	6.2	3.5	4.7	6.9	6.1	6.5	9.1	8.7	8.9	11.6	11.0	11.2
8	5.7	4.3	5.1	7.0	6.7	6.8	9.3	8.6	8.8	11.8	11.5	11.6
9	6.9	4.5	5.6	6.8	6.5	6.7	9.3	8.7	9.0	11.8	11.4	11.6
10	7.6	4.9	6.1	7.1	6.6	6.8	9.5	9.1	9.3	11.9	11.5	11.7
11	8.1	5.5	6.6	7.5	6.7	7.1	9.6	9.0	9.3	11.9	11.4	11.7
12	6.1	3.8	5.5	7.6	6.9	7.4	9.5	8.9	9.2	11.9	11.6	11.7
13	6.0	4.9	5.5	7.4	6.8	7.0	9.4	8.9	9.1	11.7	11.4	11.6
14	7.1	4.2	6.0	7.6	7.2	7.4	10.0	8.9	9.5	11.7	11.2	11.5
15	6.7	5.2	5.8	7.7	7.3	7.4	10.3	9.6	9.9	11.8	11.5	11.6
16	6.3	5.4	5.7	8.2	7.5	7.8	10.0	9.5	9.8	11.7	11.2	11.5
17	6.2	4.8	5.6	8.1	7.8	8.0	9.9	9.2	9.6	11.9	11.5	11.6
18	6.6	4.6	5.5	8.5	7.9	8.1	9.9	9.1	9.6	11.8	11.5	11.6
19	7.5	5.3	6.3	8.5	7.9	8.1	10.2	9.8	10.0	11.8	11.4	11.6
20	8.1	6.1	7.0	8.4	7.8	8.0	10.2	9.6	9.9	11.4	10.8	11.0
21	7.7	5.6	6.8	8.3	7.8	8.1	9.9	9.5	9.8	11.3	10.8	11.1
22	8.3	5.2	6.5	8.5	7.4	8.0	10.1	9.7	9.9	11.7	11.3	11.5
23	9.0	5.8	7.3	8.5	7.3	8.0	10.4	9.9	10.1	11.9	11.4	11.6
24	9.8	7.0	8.1	8.4	7.6	8.1	10.7	10.2	10.4	11.9	11.5	11.7
25	9.9	7.8	8.9	8.8	8.3	8.5	11.0	10.5	10.7	11.7	11.3	11.4
26	10.5	7.5	8.9	8.6	7.9	8.3	11.1	10.4	10.8	11.6	11.2	11.4
27	9.3	5.7	8.0	8.7	7.6	8.2	11.1	10.6	10.9	11.6	10.7	11.3
28	8.2	6.4	7.4	8.9	7.9	8.5	11.6	10.8	11.1	10.7	10.4	10.5
29	6.9	5.3	6.3	8.9	8.2	8.7	11.4	11.0	11.2	10.8	10.5	10.7
30	6.2	5.1	5.7	8.8	8.0	8.4	11.5	11.1	11.3	10.8	10.7	10.7
31	6.3	5.2	5.8	---	---	---	11.7	10.8	11.3	11.2	10.8	11.0
MONTH	10.5	3.5	6.5	8.9	5.3	7.4	11.7	7.9	9.7	11.9	10.4	11.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.0	10.6	10.8	9.7	8.9	9.3	10.1	9.4	9.8	8.4	7.7	8.0
2	11.0	10.6	10.8	9.9	9.1	9.4	10.0	9.4	9.6	7.7	7.3	7.5
3	11.2	11.0	11.1	9.9	9.1	9.6	10.1	9.1	9.6	7.9	7.3	7.7
4	11.6	11.2	11.3	10.3	9.2	9.7	10.3	9.1	9.5	8.3	7.5	7.7
5	11.5	11.3	11.4	9.9	9.2	9.6	9.9	9.1	9.4	8.3	7.3	7.6
6	11.3	10.8	11.0	10.3	9.5	9.8	9.4	8.9	9.1	9.2	7.6	8.1
7	10.9	10.7	10.8	10.3	9.5	9.8	10.0	8.9	9.1	9.1	8.0	8.6
8	10.8	10.6	10.7	10.0	9.3	9.6	9.2	8.7	9.0	9.4	8.7	9.0
9	10.8	10.5	10.6	10.3	9.7	10.0	9.7	8.7	8.9	9.3	8.2	8.8
10	10.6	10.3	10.5	10.1	9.6	9.8	9.0	8.7	8.9	9.8	8.2	9.1
11	10.4	10.2	10.3	10.4	9.5	9.8	9.8	8.5	8.9	---	---	---
12	10.2	10.0	10.1	10.2	9.5	9.8	10.0	8.6	9.5	---	---	---
13	10.0	9.7	9.9	10.3	9.5	9.8	9.7	8.6	9.1	---	---	---
14	9.7	9.6	9.7	10.4	9.5	9.8	9.5	8.5	9.0	---	---	---
15	9.8	9.6	9.7	10.0	9.5	9.8	8.5	7.2	7.8	---	---	---
16	10.2	9.7	9.9	10.1	9.4	9.8	7.7	7.1	7.4	---	---	---
17	10.3	9.5	9.8	10.0	9.4	9.6	7.7	6.5	6.9	---	---	---
18	10.6	9.8	10.1	9.8	9.3	9.5	7.5	6.3	6.8	---	---	---
19	10.7	9.8	10.0	10.0	9.3	9.6	7.0	6.5	6.7	---	---	---
20	10.1	9.8	9.9	10.4	9.4	9.8	7.2	6.6	6.9	---	---	---
21	11.0	9.8	10.0	10.0	9.5	9.8	7.2	6.5	6.9	---	---	---
22	10.8	9.7	10.1	10.3	9.6	9.8	7.4	6.7	7.0	---	---	---
23	10.3	9.3	9.9	10.4	9.7	10.0	7.8	7.2	7.5	---	---	---
24	10.2	9.5	9.8	10.4	9.7	10.0	7.4	6.9	7.2	---	---	---
25	10.2	9.1	9.5	10.4	9.7	9.9	7.3	6.8	7.1	---	---	---
26	10.2	9.4	9.8	10.3	9.6	9.9	7.7	7.1	7.3	---	---	---
27	10.1	9.2	9.8	10.7	9.6	9.9	8.1	7.4	7.7	---	---	---
28	10.5	9.2	9.6	10.7	9.4	9.9	8.5	7.6	8.2	---	---	---
29	9.8	9.2	9.5	10.4	9.5	9.9	8.6	8.0	8.3	---	---	---
30	---	---	---	10.2	9.6	9.9	8.7	8.0	8.4	---	---	---
31	---	---	---	10.0	9.7	9.8	---	---	---	---	---	---
MONTH	11.6	9.1	10.2	10.7	8.9	9.8	10.3	6.3	8.2	9.8	7.3	8.2



## SANTEE RIVER BASIN

021677037 LITTLE SALUDA RIVER AT SALUDA, SC

LOCATION.--Lat 34°00'29'', long 81°44'30'', Saluda County, Hydrologic Unit 03050109, on downstream side of bridge on US Highway 378, 2.0 mi east of Saluda.

DRAINAGE AREA.--90.0 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1992 to current year.

GAGE.--Data collection platform. Elevation of gage is 370 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, May 13 - 24, June 1 - 6, June 16 to July 13, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	78	16	46	222	50	371	147	9.5	2.3	4.7	1.7
2	9.9	120	15	55	597	35	151	63	8.0	2.2	3.1	1.7
3	9.9	516	16	138	1610	28	90	37	6.5	2.1	2.5	2.3
4	429	99	15	61	182	22	67	25	6.0	2.1	3.2	2.6
5	252	44	15	33	112	20	54	18	5.5	2.0	15	4.4
6	88	27	14	25	88	300	53	15	5.4	1.9	21	5.8
7	34	144	145	187	76	2900	97	17	9.1	1.9	9.9	4.1
8	21	356	85	155	66	1240	60	61	22	2.1	14	2.9
9	16	77	80	69	61	152	46	28	82	2.0	10	2.5
10	14	41	86	50	52	103	37	17	21	2.1	5.9	2.3
11	12	516	42	39	43	81	32	14	12	2.4	8.7	2.5
12	11	701	29	61	37	68	30	11	10	2.9	8.6	2.6
13	10	100	24	62	31	58	30	9.0	11	2.8	14	2.5
14	14	61	21	41	30	51	57	8.0	11	4.5	180	2.4
15	31	46	18	33	37	54	39	7.0	10	3.3	21	2.4
16	20	33	18	28	37	184	31	6.6	8.5	4.8	9.1	3.4
17	13	26	18	25	38	263	27	6.2	7.0	13	5.0	6.0
18	11	22	16	25	37	177	23	5.8	6.0	76	3.4	7.7
19	11	20	696	273	35	639	23	5.6	5.0	9.8	14	5.6
20	10	19	234	114	55	201	41	5.4	4.5	5.7	5.4	4.0
21	10	18	91	60	79	108	33	5.2	4.0	4.7	3.0	3.6
22	11	16	57	44	44	80	27	5.0	4.0	7.7	2.1	3.5
23	11	15	41	36	35	63	23	5.0	4.3	5.9	1.6	3.5
24	13	16	32	57	31	53	22	9.0	4.7	3.9	8.0	4.4
25	12	37	27	103	26	47	22	13	3.7	3.0	5.1	3.7
26	13	25	25	53	23	47	43	24	3.2	4.0	3.9	3.1
27	18	19	22	1240	22	46	98	33	2.9	31	3.3	2.8
28	133	16	20	220	69	805	34	96	2.7	15	2.4	2.9
29	41	16	18	103	122	249	247	40	2.5	7.4	1.6	5.4
30	18	16	16	76	---	130	1290	16	2.4	4.6	1.5	9.6
31	25	---	19	980	---	105	---	11	---	6.7	1.7	---
TOTAL	1331.8	3240	1971	4492	3897	8359	3198	763.8	294.4	239.8	392.7	111.9
MEAN	43.0	108	63.6	145	134	270	107	24.6	9.81	7.74	12.7	3.73
MAX	429	701	696	1240	1610	2900	1290	147	82	76	180	9.6
MIN	9.9	15	14	25	22	20	22	5.0	2.4	1.9	1.5	1.7
CFSM	.48	1.20	.71	1.61	1.49	3.00	1.18	.27	.11	.09	.14	.04
IN.	.55	1.34	.81	1.86	1.61	3.46	1.32	.32	.12	.10	.16	.05

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

	MEAN	57.3	109	153	241	256	258	54.3	15.5	66.1	21.9	69.4	21.0
MAX	85.0	271	363	422	491	454	107	24.6	209	69.7	235	36.7	
(WY)	1993	1993	1995	1993	1995	1993	1996	1996	1994	1994	1994	1995	
MIN	39.6	6.12	23.7	93.9	134	98.8	15.8	7.90	2.04	1.34	.48	3.73	
(WY)	1994	1994	1994	1994	1996	1995	1995	1993	1993	1993	1993	1996	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1993 - 1996

ANNUAL TOTAL	37248.2	28291.4	110
ANNUAL MEAN	102	77.3	145
HIGHEST ANNUAL MEAN			77.3
LOWEST ANNUAL MEAN			1993
HIGHEST DAILY MEAN	3180	Feb 18	4720
LOWEST DAILY MEAN	4.1	Jul 15	.29
ANNUAL SEVEN-DAY MINIMUM	4.3	Jul 11	.36
INSTANTANEOUS PEAK FLOW			5640
INSTANTANEOUS PEAK STAGE			17.94
ANNUAL RUNOFF (CFSM)	1.13	.86	18.28
ANNUAL RUNOFF (INCHES)	15.40	11.69	1.22
10 PERCENT EXCEEDS	150	144	181
50 PERCENT EXCEEDS	17	21	16
90 PERCENT EXCEEDS	9.6	2.9	2.1



SANTEE RIVER BASIN  
02167716 LITTLE SALUDA RIVER NEAR PROSPERITY, SC  
WATER-QUALITY RECORDS

LOCATION.--Lat 34°04'46'', long 81°33'43'', Saluda County, Hydrologic Unit Code 03050109, at center of Hwy 391 Bridge, 2.3 mi north of Hwy 378 Traffic Circle, 16.3 mi east of Saluda, 1.2 mi west of confluence of Saluda River, and 15.9 mi south of Prosperity.

PERIOD OF RECORD.--Water years 1993 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE (TOP): February 1993 to current year.  
WATER TEMPERATURE (MIDDLE): February 1993 to current year.  
WATER TEMPERATURE (BOTTOM): February 1993 to current year.  
DISSOLVED OXYGEN (TOP): February 1993 to current year.  
DISSOLVED OXYGEN (MIDDLE): February 1993 to current year.  
DISSOLVED OXYGEN (BOTTOM): February 1993 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE (TOP): Maximum, 34.0 °C, Aug. 18, 1995; minimum, 4.0°C, Jan. 20 - 22, 1994.  
WATER TEMPERATURE (MIDDLE): Maximum, 31.0 °C, July 22, 24, 25, 1993; minimum, 3.5°C, Jan. 20 - 22, 1994.  
WATER TEMPERATURE (BOTTOM): Maximum, 30.5 °C, Aug. 27 - 30, 1993; minimum, 4.0°C, Jan. 20 - 22, 1994.  
DISSOLVED OXYGEN (TOP): Maximum, 12.6 mg/L, Oct. 10, 1993; minimum, 0.0 mg/L, Oct. 2, 4, 5, 1994, several days, June - Sept. 1994.  
DISSOLVED OXYGEN (MIDDLE): Maximum, 11.8 mg/L, Nov. 16, 1994; minimum, 0.0 mg/L, June 23, 24, July 3 - 17, 28 - 31, 1993; several days, June - Sept. 1994; May 14, 16, 17, 19, 20, June 8 - 16, 1995, many days, several months, 1996.  
DISSOLVED OXYGEN (BOTTOM): Maximum, 11.7 mg/L, Dec. 24, 1994; minimum, 0.0 mg/L, many days, May - Sept; 1993, many days, July - Sept. 1994; many days, several months, 1995, 1996.

EXTREMES FOR CURRENT WATER YEAR.--

WATER TEMPERATURE (TOP): Maximum, 32.5 °C, July 2; minimum, 4.5°C, Jan. 9 - 14.  
WATER TEMPERATURE (MIDDLE): Maximum, 31.0 °C, July 3; minimum, 4.0°C, Jan. 10, 13.  
WATER TEMPERATURE (BOTTOM): Maximum, 28.5 °C, July 25; minimum, 5.0°C, several days in Jan., Feb.  
DISSOLVED OXYGEN (TOP): Maximum, 11.2 mg/L, Jan. 15; minimum, 0.5 mg/L, Sept. 18.  
DISSOLVED OXYGEN (MIDDLE): Maximum, 9.9 mg/L, Feb. 25, 26, Mar. 4; minimum, 0.0 mg/L, many days, several months.  
DISSOLVED OXYGEN (BOTTOM): Maximum, 10.0 mg/L, Feb. 4; minimum, 0.0 mg/L, many days, several months.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	TOP											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.0	23.0	23.5	19.0	18.5	18.5	12.0	11.5	12.0	7.5	6.5	7.0
2	24.0	23.0	23.5	19.0	18.5	19.0	12.5	11.5	12.0	8.0	6.5	7.5
3	25.0	23.5	24.5	19.5	19.0	19.0	13.0	11.5	12.0	7.5	6.5	7.0
4	25.0	23.5	24.0	19.5	17.5	18.5	13.0	12.0	12.5	7.5	6.5	7.0
5	24.0	23.5	24.0	17.5	17.0	17.0	12.5	11.5	12.5	8.0	6.5	7.0
6	25.5	23.5	24.0	17.0	16.5	16.5	13.0	12.0	12.0	7.0	6.5	6.5
7	25.5	23.5	24.5	16.5	16.5	16.5	12.5	11.5	12.0	6.5	5.5	6.0
8	24.5	23.5	24.0	16.5	16.0	16.0	11.5	11.0	11.0	5.5	5.0	5.0
9	24.0	23.0	23.5	16.0	15.0	15.5	11.0	10.5	11.0	5.0	4.5	4.5
10	24.0	23.0	23.5	16.0	15.0	15.5	10.5	10.0	10.5	5.5	4.5	4.5
11	24.0	23.0	23.5	15.5	14.0	15.0	10.5	9.5	10.0	5.0	4.5	4.5
12	23.5	23.0	23.0	14.5	13.5	14.0	10.5	9.5	9.5	5.0	4.5	4.5
13	23.5	23.0	23.0	14.0	13.0	13.5	10.5	9.0	9.5	5.5	4.5	4.5
14	24.0	23.0	23.0	14.0	13.0	13.5	12.0	9.0	10.0	7.0	4.5	5.5
15	23.0	22.5	23.0	13.0	12.0	12.5	12.0	9.5	11.0	7.5	5.0	6.0
16	23.5	22.0	22.5	13.0	12.0	12.5	11.0	10.5	11.0	6.5	5.5	5.5
17	22.5	21.5	22.0	12.5	11.5	12.0	10.5	10.0	10.0	6.5	5.5	6.0
18	22.0	21.0	21.5	13.0	11.5	12.0	10.0	9.5	9.5	7.5	6.0	6.5
19	22.0	21.0	21.5	12.5	11.5	12.0	9.5	9.5	9.5	7.5	6.5	7.0
20	22.5	21.0	21.5	12.5	11.5	12.5	9.5	9.5	9.5	7.0	6.5	7.0
21	21.0	20.5	20.5	12.5	12.0	12.5	9.5	9.0	9.0	6.5	6.5	6.5
22	21.0	20.0	20.5	12.5	11.5	12.0	9.0	8.5	8.5	8.5	6.5	6.5
23	21.0	20.0	20.0	12.0	11.5	11.5	9.0	8.0	8.5	8.0	6.5	7.0
24	21.5	20.0	20.5	11.5	11.0	11.5	8.5	7.5	8.0	8.0	7.0	7.5
25	21.5	20.5	21.0	---	---	---	7.5	7.0	7.5	9.0	7.5	7.5
26	21.5	20.5	21.0	---	---	---	7.5	7.0	7.0	8.5	7.5	8.0
27	21.0	20.5	21.0	11.5	11.0	11.5	8.0	6.5	7.0	9.5	8.0	8.5
28	20.5	20.0	20.0	13.0	11.5	12.0	7.0	6.5	6.5	9.5	9.0	9.0
29	20.0	19.5	19.5	12.5	12.0	12.0	8.5	6.0	6.5	9.0	8.5	9.0
30	20.0	19.0	19.5	12.0	11.5	12.0	7.0	6.0	6.5	9.5	9.0	9.0
31	19.0	18.5	18.5	---	---	---	7.5	6.5	7.0	10.0	9.0	9.5
MONTH	25.5	18.5	22.1	19.5	11.0	14.2	13.0	6.0	9.6	10.0	4.5	6.7



## SANTEE RIVER BASIN

02167716 LITTLE SALUDA RIVER NEAR PROSPERITY, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MIDDLE											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.0	22.5	22.5	19.0	18.5	18.5	12.0	11.0	11.5	7.5	6.5	7.0
2	23.0	22.5	22.5	20.0	18.5	19.0	12.0	11.5	11.5	8.5	7.0	8.0
3	23.5	22.5	23.0	20.0	19.0	19.5	12.5	11.5	12.0	8.0	6.5	7.0
4	25.0	22.5	23.5	19.5	18.0	18.5	12.5	11.5	12.0	7.5	6.0	6.5
5	24.0	22.5	23.5	18.0	17.0	17.0	12.5	11.5	12.0	6.5	6.0	6.5
6	23.5	23.0	23.5	17.0	16.5	16.5	12.5	11.5	12.0	6.5	6.0	6.5
7	25.0	23.0	23.5	18.0	16.5	17.0	12.5	11.5	12.0	7.0	6.0	6.5
8	24.0	23.0	23.0	16.5	16.0	16.0	12.5	11.0	11.0	6.5	5.0	5.5
9	23.5	22.5	23.0	16.0	15.0	15.5	11.5	10.5	11.0	5.5	4.5	4.5
10	23.0	22.5	22.5	15.0	14.5	15.0	11.5	10.0	11.0	5.0	4.0	4.5
11	23.5	22.5	23.0	16.5	14.0	15.0	11.0	9.5	10.5	5.5	4.5	4.5
12	23.0	22.5	23.0	14.5	13.5	13.5	10.5	9.0	9.5	5.0	4.5	4.5
13	23.5	22.5	23.0	13.5	13.0	13.5	10.0	9.0	9.5	5.5	4.0	4.5
14	24.0	22.5	23.0	13.5	13.0	13.5	11.0	9.5	10.0	6.0	4.5	5.0
15	23.0	22.5	22.5	13.0	12.0	12.5	12.0	9.5	10.5	6.5	4.5	5.5
16	22.5	21.5	22.0	12.5	12.0	12.0	11.5	9.5	10.5	6.0	5.0	5.5
17	22.0	21.5	21.5	12.0	11.5	11.5	10.5	9.0	10.0	6.0	5.5	5.5
18	21.5	21.0	21.0	12.0	11.0	11.5	10.0	9.5	10.0	7.5	5.5	6.5
19	21.0	20.5	21.0	12.0	11.5	11.5	10.5	9.5	10.0	8.5	6.5	7.0
20	22.0	20.5	21.0	12.0	11.5	12.0	10.5	9.5	9.5	8.0	6.0	7.0
21	21.0	20.0	20.5	12.5	11.5	12.0	10.5	9.0	9.5	7.5	6.0	6.5
22	20.0	19.5	20.0	13.0	11.5	12.0	10.0	8.5	9.0	7.0	6.0	6.5
23	20.0	19.5	19.5	12.5	11.0	11.5	9.5	8.0	9.0	7.0	6.0	6.5
24	20.0	19.5	19.5	12.0	11.0	11.5	9.0	8.0	8.5	8.0	6.5	7.0
25	20.0	19.0	20.0	---	---	---	8.5	7.0	7.5	7.5	6.5	7.0
26	21.0	19.5	20.0	---	---	---	8.0	6.5	7.5	8.0	7.0	7.0
27	22.5	19.5	20.5	---	---	---	8.0	6.5	7.0	9.0	7.0	8.5
28	22.0	20.0	20.5	12.5	11.0	11.5	8.0	6.5	7.5	8.5	8.0	8.0
29	20.0	19.5	19.5	12.0	11.5	12.0	7.5	6.0	7.0	8.0	8.0	8.0
30	19.5	19.0	19.0	12.0	11.5	11.5	7.0	6.0	6.5	8.5	8.0	8.0
31	19.5	18.5	19.0	---	---	---	7.5	6.5	7.0	9.0	8.5	8.5
MONTH	25.0	18.5	21.6	20.0	11.0	14.1	12.5	6.0	9.7	9.0	4.0	6.4
DAY	MIDDLE											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8.5	8.0	8.5	12.5	9.5	11.5	12.5	11.5	12.0	20.0	19.0	19.5
2	8.5	8.0	8.0	13.0	12.0	12.5	12.0	11.5	12.0	19.0	18.5	18.5
3	8.0	5.5	6.5	12.5	11.5	12.0	13.5	12.0	12.5	19.0	18.0	18.5
4	6.5	5.5	5.5	12.0	11.5	11.5	14.5	12.5	13.5	18.5	18.0	18.0
5	6.5	5.0	6.0	13.0	11.5	12.0	14.0	13.0	13.5	19.0	17.5	18.0
6	6.0	4.5	5.0	13.5	12.5	13.0	14.5	13.0	13.5	18.5	17.5	18.0
7	6.0	4.5	5.0	14.0	13.0	13.5	14.5	13.0	13.5	19.0	17.5	18.0
8	6.0	5.0	5.5	13.5	13.0	13.5	14.0	13.0	13.5	20.0	18.0	19.0
9	7.0	5.5	6.0	13.5	12.0	12.5	14.5	13.5	14.0	20.5	18.5	19.5
10	8.0	6.5	6.5	12.5	11.5	12.0	15.0	13.5	14.0	21.0	19.0	20.0
11	7.5	6.5	7.5	11.5	11.0	11.5	14.5	13.5	14.0	22.5	19.0	20.0
12	7.5	7.0	7.5	12.0	11.0	11.0	16.5	13.5	15.0	20.5	18.5	19.5
13	8.0	7.0	7.5	12.5	10.5	11.0	16.0	14.5	15.5	21.5	19.0	20.0
14	7.5	7.0	7.0	11.5	10.5	11.0	17.0	14.0	15.5	21.5	20.5	21.0
15	8.0	7.5	7.5	12.5	10.5	11.5	18.0	14.0	15.5	21.5	21.0	21.0
16	8.0	7.5	7.5	13.5	11.0	11.5	18.0	16.0	16.5	22.0	21.0	21.5
17	8.0	7.0	7.5	13.0	11.5	12.5	16.5	15.5	16.0	21.5	21.0	21.0
18	7.5	7.0	7.0	13.0	11.5	12.5	16.5	15.5	16.0	21.0	20.5	21.0
19	8.0	7.0	7.5	13.5	11.5	12.5	17.0	15.0	16.0	21.0	20.5	21.0
20	8.0	7.0	7.5	11.5	11.0	11.0	18.0	15.0	16.5	21.0	20.5	20.5
21	8.0	7.5	8.0	11.0	10.5	10.5	17.5	16.5	17.0	21.0	20.5	20.5
22	10.5	7.5	8.5	11.0	10.0	10.5	18.0	16.5	17.0	21.0	20.5	20.5
23	9.5	8.0	8.5	11.0	10.0	10.5	20.5	16.5	19.0	23.0	20.5	21.5
24	11.0	8.0	10.0	10.5	10.0	10.0	19.5	16.0	17.5	25.5	22.5	23.5
25	10.0	9.0	9.5	12.5	10.0	11.0	19.5	17.5	18.5	26.5	23.0	24.5
26	13.0	9.5	10.5	11.5	10.5	11.0	20.0	17.5	18.5	26.5	23.0	24.5
27	13.0	9.5	10.5	12.5	10.5	11.5	18.5	17.0	18.0	26.5	24.5	25.5
28	14.5	9.0	12.5	12.0	11.0	11.5	18.5	17.0	18.0	26.5	24.5	25.0
29	11.5	9.0	10.0	11.5	10.5	11.0	22.0	18.0	19.5	25.5	24.0	24.5
30	---	---	---	12.0	11.0	11.0	22.0	20.0	20.5	24.5	22.5	24.0
31	---	---	---	12.5	11.0	12.0	---	---	---	24.5	24.0	24.5
MONTH	14.5	4.5	7.7	14.0	9.5	11.6	22.0	11.5	15.7	26.5	17.5	21.0





## SANTÉE RIVER BASIN

02167716 LITTLE SALUDA RIVER NEAR PROSPERITY, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

BOTTOM												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	22.5	21.5	22.0	18.5	18.5	18.5	12.0	11.5	12.0	6.5	6.0	6.0
2	22.5	22.0	22.0	18.5	18.0	18.0	12.0	11.5	11.5	6.5	6.0	6.0
3	22.5	21.5	22.0	19.5	18.0	18.5	11.5	11.5	11.5	7.0	6.0	7.0
4	23.0	22.0	22.5	19.5	18.0	18.5	12.0	11.5	11.5	7.0	6.5	6.5
5	24.0	22.5	23.0	18.0	17.0	17.5	12.0	11.5	11.5	6.5	6.5	6.5
6	23.5	22.5	23.0	17.0	16.5	16.5	12.0	11.5	12.0	7.0	6.5	6.5
7	22.5	22.5	22.5	16.5	16.5	16.5	12.0	11.5	11.5	7.0	6.0	6.5
8	22.5	22.5	22.5	16.5	16.0	16.5	11.5	11.0	11.0	6.0	5.0	5.5
9	22.5	22.0	22.5	16.0	15.0	15.5	11.0	10.5	11.0	5.5	5.0	5.5
10	22.5	22.0	22.5	15.5	14.5	15.0	10.5	10.0	10.5	5.5	5.0	5.0
11	22.5	22.0	22.5	15.0	14.5	15.0	10.0	9.5	9.5	5.0	5.0	5.0
12	23.0	22.5	22.5	14.5	13.5	14.0	9.5	9.0	9.0	5.0	5.0	5.0
13	23.0	22.5	22.5	14.0	13.5	13.5	9.0	8.5	9.0	5.0	5.0	5.0
14	23.0	22.5	22.5	13.5	13.0	13.5	9.0	8.5	8.5	5.5	5.0	5.0
15	23.0	22.5	22.5	13.5	12.5	13.0	8.5	8.5	8.5	5.5	5.5	5.5
16	22.5	22.0	22.0	13.0	12.5	12.5	9.0	8.5	8.5	6.0	5.5	5.5
17	22.0	21.5	21.5	12.5	12.0	12.0	8.5	8.0	8.5	6.0	5.5	6.0
18	21.5	21.0	21.0	12.0	11.5	12.0	9.5	8.5	9.0	6.0	5.5	6.0
19	21.0	20.5	20.5	12.0	11.5	11.5	9.5	9.5	9.5	7.5	6.0	7.0
20	21.0	20.0	20.5	11.5	11.5	11.5	9.5	9.0	9.5	7.0	6.5	6.5
21	21.0	20.5	20.5	12.5	11.5	12.0	9.0	9.0	9.0	6.5	6.5	6.5
22	20.5	19.5	20.0	12.0	11.5	12.0	9.0	8.5	8.5	6.5	6.0	6.0
23	20.0	19.5	19.5	12.0	11.5	11.5	8.5	8.0	8.0	6.5	6.0	6.0
24	19.5	19.5	19.5	12.0	11.5	11.5	8.0	8.0	8.0	7.5	6.0	7.0
25	19.5	19.0	19.5	---	---	---	8.0	7.5	7.5	7.0	6.5	7.0
26	20.0	19.5	19.5	---	---	---	7.5	7.0	7.0	7.0	7.0	7.0
27	20.5	19.5	20.0	---	---	---	7.0	6.5	7.0	8.5	7.0	8.0
28	20.5	20.0	20.5	12.0	11.5	11.5	7.0	6.5	6.5	8.5	8.0	8.0
29	20.0	19.5	19.5	12.5	11.5	12.0	6.5	6.0	6.5	8.0	8.0	8.0
30	19.5	19.0	19.0	12.0	12.0	12.0	6.5	6.0	6.0	8.0	7.5	8.0
31	19.0	18.5	19.0	---	---	---	6.5	6.0	6.0	8.5	7.5	8.5
MONTH	24.0	18.5	21.3	19.5	11.5	14.1	12.0	6.0	9.1	8.5	5.0	6.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	8.5	8.0	8.5	8.5	8.0	8.5	11.5	10.5	11.0	17.5	16.5	17.0
2	8.0	8.0	8.0	9.0	8.5	8.5	11.5	11.0	11.0	17.5	17.0	17.5
3	8.0	6.0	6.5	10.0	8.5	9.0	11.0	10.5	11.0	17.5	16.5	17.0
4	6.0	5.5	6.0	10.0	8.5	9.0	12.5	10.5	11.5	18.0	16.5	17.0
5	5.5	5.0	5.5	11.0	8.5	9.5	13.0	11.5	12.0	17.5	16.5	17.0
6	5.5	5.0	5.0	12.0	9.0	10.5	13.0	11.5	12.5	17.5	16.0	17.0
7	5.5	5.0	5.0	13.0	10.5	12.0	12.5	12.0	12.5	17.5	16.5	17.0
8	6.0	5.5	5.5	13.0	12.0	12.5	13.0	12.5	12.5	17.5	17.0	17.5
9	6.5	5.5	6.0	12.0	10.5	11.5	13.5	12.0	13.0	17.5	17.5	17.5
10	6.5	6.5	6.5	11.0	10.5	11.0	13.0	12.0	12.5	18.0	17.5	17.5
11	7.5	6.5	7.0	10.5	10.0	10.5	13.0	12.0	12.5	19.0	17.5	18.0
12	7.5	7.0	7.5	10.0	9.0	10.0	13.0	12.5	12.5	17.5	17.0	17.5
13	7.5	7.0	7.0	9.5	9.0	9.5	12.5	11.5	12.0	18.5	17.0	18.0
14	7.5	7.0	7.0	9.5	9.0	9.5	12.0	10.5	11.0	19.5	18.0	18.5
15	8.0	7.5	7.5	11.5	9.5	10.0	12.5	10.5	11.5	20.5	19.0	20.0
16	7.5	7.5	7.5	11.0	10.5	10.5	13.0	11.0	12.0	21.0	20.0	20.5
17	7.5	7.0	7.0	11.0	10.0	10.5	13.0	11.0	11.5	21.0	20.0	21.0
18	7.5	7.0	7.0	11.0	10.0	10.5	12.0	11.5	11.5	20.5	19.5	20.0
19	7.0	7.0	7.0	12.0	10.5	11.5	12.5	11.5	12.0	20.5	19.5	20.0
20	7.5	7.0	7.0	11.5	10.5	11.0	14.5	12.0	13.0	20.5	19.5	20.0
21	7.5	7.0	7.0	10.5	10.0	10.0	14.5	13.0	13.0	20.5	19.5	20.0
22	7.5	7.0	7.0	10.5	9.5	10.0	13.5	12.5	13.0	20.5	20.0	20.5
23	7.5	7.0	7.5	10.0	9.5	9.5	15.0	12.5	13.5	21.0	20.0	21.0
24	8.0	7.5	7.5	9.5	9.0	9.5	14.0	13.5	13.5	21.5	20.5	21.0
25	7.5	7.5	7.5	9.5	9.0	9.5	15.0	13.5	14.0	22.0	20.5	21.0
26	8.5	7.5	8.0	9.5	9.5	9.5	15.0	13.5	14.0	22.0	20.5	21.0
27	8.0	8.0	8.0	11.0	9.5	10.0	14.0	13.5	14.0	22.0	20.5	21.5
28	8.5	8.0	8.0	11.0	10.0	10.5	15.0	14.0	14.5	22.0	21.0	21.5
29	8.0	8.0	8.0	10.0	10.0	10.0	16.5	14.5	15.0	21.5	20.0	21.0
30	---	---	---	11.0	10.0	10.5	19.5	16.0	17.5	22.5	20.5	21.5
31	---	---	---	11.0	10.5	11.0	---	---	---	23.0	22.0	22.5
MONTH	8.5	5.0	7.0	13.0	8.0	10.2	19.5	10.5	12.7	23.0	16.0	19.3





## SANTÉE RIVER BASIN

02167716 LITTLE SALUDA RIVER NEAR PROSPERITY, SC--Continued

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

TOP												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	9.3	6.7	7.6	7.0	5.3	5.8	7.2	6.2	6.8	8.5	7.4	8.1
2	10.0	6.5	8.0	7.6	5.3	6.4	7.6	6.3	6.8	9.0	8.0	8.5
3	10.9	6.3	8.6	6.7	5.4	6.4	7.9	6.5	7.2	8.6	7.6	8.1
4	9.6	5.5	7.5	7.2	4.9	5.7	7.7	6.6	7.1	8.8	8.2	8.4
5	7.3	5.9	6.5	5.7	4.7	5.1	7.8	6.8	7.4	9.2	8.1	8.4
6	7.3	4.4	5.6	5.9	4.6	5.2	8.1	6.4	6.9	8.9	8.1	8.4
7	10.2	4.4	6.8	6.1	4.9	5.6	7.8	6.3	6.8	9.4	8.6	8.9
8	9.3	5.9	7.1	6.8	5.0	5.7	7.1	6.4	6.7	9.8	9.1	9.6
9	8.8	4.7	6.8	6.9	5.2	6.0	6.7	6.5	6.6	10.4	9.7	10.0
10	8.2	5.5	6.8	7.3	5.7	6.4	6.9	6.3	6.6	10.5	10.1	10.3
11	8.2	6.1	7.1	6.4	5.5	6.0	7.4	6.4	6.7	10.5	10.1	10.3
12	6.8	5.3	6.3	7.4	5.8	6.3	7.5	6.0	6.6	10.5	10.1	10.3
13	7.3	5.2	6.0	7.0	5.3	5.8	7.1	6.3	6.6	10.6	10.0	10.3
14	8.3	4.2	6.0	6.6	5.3	5.7	7.9	6.4	7.0	11.1	10.2	10.5
15	7.6	4.2	5.5	6.0	5.3	5.6	8.5	6.8	7.6	11.2	10.1	10.6
16	8.6	4.0	6.2	6.2	5.0	5.4	8.0	7.3	7.7	10.9	10.2	10.4
17	6.7	4.5	5.3	5.6	4.5	5.0	7.8	6.7	7.3	10.5	9.9	10.3
18	7.6	4.6	5.7	5.7	4.7	5.1	7.9	7.0	7.5	11.2	9.8	10.2
19	7.9	4.7	5.9	5.5	4.6	5.0	7.8	7.0	7.4	10.5	9.8	10.3
20	8.3	5.1	6.4	6.8	4.7	6.1	8.3	7.8	8.1	10.3	10.0	10.2
21	7.5	4.7	6.0	7.1	5.0	6.2	8.4	7.8	8.0	10.3	9.9	10.1
22	6.7	4.8	5.4	5.9	4.8	5.3	8.2	7.7	7.9	10.3	9.4	9.8
23	7.9	4.7	6.1	5.7	4.9	5.2	8.6	7.6	7.9	10.1	9.3	9.7
24	9.3	5.8	7.4	6.0	4.9	5.4	8.4	7.6	7.9	10.3	9.6	9.8
25	10.5	7.5	8.5	---	---	---	8.3	7.8	8.0	10.3	9.5	9.7
26	10.0	7.5	8.5	---	---	---	8.3	7.8	8.0	10.4	9.6	9.8
27	9.1	5.9	8.0	---	---	---	8.6	7.8	8.1	9.7	9.1	9.5
28	7.1	5.5	6.1	7.3	6.8	7.0	8.2	7.7	7.9	9.3	8.7	9.0
29	8.0	5.5	6.4	7.4	6.7	7.0	8.0	7.6	7.8	9.0	8.6	8.8
30	7.2	5.3	6.2	7.3	6.6	7.0	8.4	7.4	7.8	8.7	8.1	8.4
31	6.2	5.3	5.7	---	---	---	8.8	7.7	8.3	8.8	7.3	7.9
MONTH	10.9	4.0	6.6	7.6	4.5	5.8	8.8	6.0	7.4	11.2	7.3	9.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	7.8	7.4	7.6	---	---	---	9.7	8.2	8.7	6.7	5.3	6.3
2	8.1	7.5	7.7	---	---	---	8.5	7.9	8.2	7.1	5.4	6.0
3	9.4	8.1	8.9	---	---	---	9.9	7.6	8.7	6.7	4.9	5.5
4	9.3	8.7	8.9	---	---	---	9.7	7.8	9.0	7.7	4.8	6.2
5	9.0	8.6	8.8	---	---	---	10.0	8.3	8.9	7.4	4.7	5.9
6	8.8	8.6	8.7	---	---	---	10.1	8.2	9.2	6.8	4.1	5.2
7	9.2	8.4	8.9	---	---	---	9.9	8.3	8.9	7.2	3.3	4.6
8	8.9	8.5	8.7	---	---	---	10.3	8.1	8.7	7.2	2.6	5.2
9	9.0	8.6	8.8	---	---	---	9.6	8.3	9.0	7.7	5.9	6.8
10	9.2	8.4	8.7	---	---	---	9.5	7.6	8.7	7.0	5.3	6.2
11	8.9	8.3	8.7	---	---	---	9.0	6.0	8.1	8.5	5.1	6.6
12	8.9	8.6	8.8	---	---	---	8.2	6.0	7.1	8.0	4.8	6.5
13	9.0	8.7	8.8	---	---	---	9.0	6.6	7.4	8.2	4.2	6.3
14	9.1	8.7	9.0	---	---	---	8.5	6.2	7.5	8.6	6.5	7.3
15	9.2	8.9	9.0	6.3	5.1	5.6	9.2	6.0	7.4	8.5	6.0	7.3
16	9.0	8.7	8.9	6.5	5.0	5.6	9.2	6.8	7.2	8.6	6.7	7.4
17	9.0	8.7	8.8	7.1	5.9	6.4	7.0	6.3	6.7	10.0	6.3	8.3
18	9.0	8.4	8.6	6.8	5.3	6.3	9.8	6.1	7.2	9.8	6.1	7.6
19	8.9	8.3	8.6	7.8	5.1	6.4	9.3	6.0	8.1	8.9	6.4	7.2
20	9.0	8.3	8.6	7.1	6.1	6.5	9.9	6.4	7.5	9.6	6.3	7.5
21	9.4	8.5	8.8	7.2	6.9	7.0	8.8	6.9	7.5	9.6	6.1	7.8
22	---	---	---	7.6	6.7	7.1	9.0	6.8	7.7	8.8	5.9	7.2
23	---	---	---	7.5	6.9	7.2	9.2	6.9	7.9	7.7	4.6	6.0
24	---	---	---	8.1	7.1	7.3	7.8	6.9	7.3	8.7	6.3	7.5
25	---	---	---	9.9	7.1	8.2	9.1	7.3	8.0	8.8	6.5	7.7
26	---	---	---	9.4	7.5	8.1	8.7	7.2	7.8	9.8	6.7	8.0
27	---	---	---	10.1	7.5	8.8	8.0	6.8	7.2	9.3	5.5	7.3
28	---	---	---	9.8	7.5	8.4	8.6	6.0	6.7	8.5	6.0	7.2
29	---	---	---	8.9	7.3	7.8	10.1	7.0	8.6	8.8	5.9	7.1
30	---	---	---	9.0	7.3	8.1	9.5	6.4	7.4	8.0	5.1	6.7
31	---	---	---	9.6	7.7	8.5	---	---	---	7.8	5.5	6.5
MONTH	9.4	7.4	8.7	10.1	5.0	7.3	10.3	6.0	7.9	10.0	2.6	6.7



## SANTEE RIVER BASIN

02167716 LITTLE SALUDA RIVER NEAR PROSPERITY, SC--Continued

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

DAY	MIDDLE											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	5.6	4.6	4.9	6.2	5.5	5.7	6.5	6.3	6.4	---	---	---
2	4.9	4.4	4.7	5.8	5.1	5.5	6.9	6.4	6.5	---	---	---
3	4.8	4.2	4.5	6.0	5.2	5.6	6.9	6.2	6.6	---	---	---
4	4.6	3.8	4.3	6.2	5.9	6.0	6.6	6.2	6.4	---	---	---
5	4.6	4.1	4.3	6.3	5.9	6.1	6.5	6.0	6.2	---	---	---
6	4.4	3.9	4.1	6.3	5.7	6.1	6.4	6.1	6.2	---	---	---
7	4.4	3.8	4.0	6.1	4.8	5.5	7.3	6.1	6.6	---	---	---
8	4.4	3.5	4.1	6.3	5.9	6.2	7.9	6.3	7.0	---	---	---
9	4.4	3.3	3.9	6.4	6.2	6.3	8.0	6.3	7.4	---	---	---
10	4.3	3.6	4.0	6.7	6.4	6.5	7.7	4.9	6.5	---	---	---
11	4.3	3.9	4.1	6.6	5.2	6.1	7.0	5.0	5.9	---	---	---
12	4.3	4.0	4.1	7.0	6.5	6.7	6.9	6.0	6.6	---	---	---
13	4.3	3.6	4.0	7.0	6.6	6.7	8.0	6.7	7.0	---	---	---
14	4.3	3.7	4.1	6.9	5.8	6.5	8.2	5.1	6.6	---	---	---
15	4.9	4.0	4.2	6.9	6.7	6.8	6.6	4.0	5.8	---	---	---
16	4.5	4.0	4.2	7.0	6.6	6.8	6.5	6.0	6.3	---	---	---
17	4.5	4.1	4.2	6.8	6.0	6.4	6.7	6.3	6.5	---	---	---
18	4.5	4.2	4.3	6.1	5.7	5.9	6.8	5.7	6.3	---	---	---
19	4.5	4.3	4.4	6.8	5.9	6.5	6.2	4.7	5.8	---	---	---
20	4.7	4.3	4.5	7.1	6.6	6.8	7.4	5.6	6.5	---	---	---
21	4.9	4.5	4.7	7.0	6.7	6.8	7.4	5.1	6.3	---	---	---
22	4.8	4.5	4.6	7.0	5.8	6.5	6.0	5.2	5.6	---	---	---
23	5.1	4.5	4.8	7.2	6.1	6.4	7.5	5.4	6.5	---	---	---
24	5.1	4.7	4.9	6.4	5.9	6.1	8.0	5.9	7.0	---	---	---
25	5.2	4.8	5.0	---	---	---	7.9	5.6	6.9	---	---	---
26	5.5	4.8	5.2	---	---	---	8.6	5.6	7.6	9.0	6.3	7.3
27	5.4	4.3	5.1	---	---	---	8.4	6.5	7.1	9.4	5.6	7.1
28	5.4	4.4	5.2	6.6	6.0	6.4	9.3	6.6	7.6	8.9	7.0	7.9
29	5.6	5.2	5.4	6.6	6.1	6.3	9.0	6.8	8.0	8.4	7.2	7.8
30	5.7	5.3	5.4	6.7	6.3	6.5	9.0	7.3	7.9	7.9	6.7	7.3
31	5.6	5.1	5.3	---	---	---	---	---	---	7.7	5.8	7.0
MONTH	5.7	3.3	4.5	7.2	4.8	6.3	9.3	4.0	6.7	9.4	5.6	7.4
DAY	MIDDLE											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.7	5.6	6.3	9.6	7.3	8.3	6.5	5.5	6.2	6.3	5.1	5.8
2	6.9	5.5	6.1	9.0	7.3	8.3	6.5	5.4	6.1	5.4	4.1	4.9
3	6.8	5.6	6.3	9.8	7.9	8.8	7.2	5.4	6.0	5.2	4.0	4.4
4	6.0	5.0	5.5	9.9	7.6	8.8	7.1	5.6	6.3	4.7	3.7	4.1
5	5.7	4.9	5.3	8.6	7.4	7.9	6.9	5.9	6.3	4.6	3.2	3.7
6	6.0	5.0	5.5	8.6	7.8	8.1	7.6	5.1	6.4	3.8	2.3	3.4
7	6.0	5.2	5.8	8.1	6.4	7.4	7.4	5.1	6.2	3.4	1.9	2.8
8	6.5	5.5	5.9	6.8	5.0	6.2	6.3	5.4	5.9	2.7	1.4	1.9
9	6.6	5.8	6.2	6.9	4.3	5.2	7.1	5.1	6.3	2.9	.7	1.9
10	6.3	5.1	5.9	6.8	4.2	5.7	7.3	5.6	6.4	3.6	1.1	2.3
11	6.8	6.2	6.5	7.8	5.5	6.3	7.3	5.8	6.4	4.9	1.4	2.7
12	7.0	6.1	6.5	6.8	5.3	5.8	8.0	6.4	7.1	3.3	.7	1.6
13	7.0	5.7	6.5	6.3	4.2	5.0	7.9	6.5	7.0	4.2	.8	1.3
14	7.3	6.5	6.8	4.9	3.7	4.3	7.8	5.6	6.6	6.8	4.2	5.8
15	7.3	6.5	6.9	5.8	3.7	5.0	7.8	5.2	6.2	7.4	4.5	5.9
16	7.5	6.6	7.1	5.8	5.3	5.5	7.8	6.9	7.2	7.5	5.6	6.5
17	7.6	6.5	7.2	6.1	5.2	5.5	6.9	6.3	6.7	6.9	5.5	6.3
18	7.9	7.1	7.4	5.7	4.6	5.3	6.7	5.9	6.4	6.1	4.5	5.6
19	8.1	7.5	7.8	5.8	4.6	5.4	6.4	5.2	5.9	5.8	3.9	5.1
20	8.3	7.0	7.8	6.5	5.7	6.1	7.3	5.3	6.2	5.7	4.5	5.0
21	8.6	7.6	8.2	6.7	6.4	6.5	6.8	5.4	6.3	5.7	3.8	5.0
22	9.4	7.4	8.3	8.2	6.3	6.8	6.5	5.8	6.1	5.4	3.4	4.3
23	9.8	7.8	8.5	6.6	6.0	6.3	8.1	5.7	6.7	5.3	.5	2.5
24	9.0	7.8	8.6	6.3	5.9	6.1	7.2	5.0	5.7	6.4	.9	2.6
25	9.9	7.6	9.0	6.9	5.8	6.1	7.0	5.5	6.1	8.0	2.3	4.2
26	9.9	8.0	8.7	7.2	5.8	6.1	7.6	5.7	6.5	7.0	.9	3.4
27	8.9	7.9	8.2	7.4	5.4	6.2	6.8	5.4	5.9	8.3	3.6	5.4
28	8.8	7.6	8.3	6.5	5.4	6.0	6.0	4.9	5.5	5.5	3.6	4.5
29	9.3	7.2	7.8	6.2	5.7	5.8	7.8	5.2	6.0	5.7	3.3	4.4
30	---	---	---	6.0	5.5	5.7	7.8	5.8	6.5	4.5	.0	2.0
31	---	---	---	6.4	5.5	5.9	---	---	---	7.2	3.8	5.5
MONTH	9.9	4.9	7.1	9.9	3.7	6.3	8.1	4.9	6.3	8.3	.0	4.0





## SANTEE RIVER BASIN

02167716 LITTLE SALUDA RIVER NEAR PROSPERITY, SC--Continued

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

DAY	BOTTOM											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	4.5	.6	2.2	5.7	3.8	4.7	6.2	3.4	5.2	4.8	3.9	4.2
2	3.4	.9	2.2	4.8	2.8	3.9	6.3	5.2	5.9	4.7	3.4	4.2
3	3.5	.9	2.2	4.2	2.7	3.2	5.6	4.8	5.2	6.0	4.0	5.2
4	4.4	.9	2.3	4.4	2.3	3.2	5.8	3.4	4.9	6.0	5.3	5.8
5	5.7	1.0	3.6	5.9	3.5	4.9	5.2	3.8	4.7	5.9	5.3	5.5
6	5.1	.5	1.7	6.6	5.4	5.9	5.9	3.4	4.8	6.4	5.2	5.8
7	3.3	.3	1.2	7.7	4.7	6.2	6.2	3.4	5.6	7.8	6.0	6.6
8	1.3	.0	.4	7.7	6.1	7.0	6.2	5.6	6.0	9.2	7.3	8.5
9	.3	.0	.0	7.9	5.2	6.4	6.2	5.8	6.1	9.1	7.9	8.7
10	.9	.0	.1	7.1	5.0	6.1	6.4	5.8	6.0	9.1	7.8	8.6
11	1.6	.0	.7	9.3	4.0	6.4	6.1	5.5	5.8	8.8	7.7	8.1
12	5.2	.8	2.9	9.3	6.6	7.7	7.7	5.3	6.7	9.4	8.3	8.9
13	4.8	2.2	4.3	7.1	5.7	6.5	7.5	4.2	6.2	9.3	8.0	8.8
14	5.9	1.8	3.4	7.0	5.4	6.2	6.7	4.2	5.1	9.2	6.9	8.3
15	5.6	3.7	4.4	7.0	4.3	5.8	6.2	3.7	4.8	7.3	6.6	7.0
16	5.3	3.6	4.5	7.3	4.6	5.7	4.6	3.2	3.7	7.7	6.5	7.2
17	5.7	3.2	4.8	6.7	4.4	5.3	5.5	4.5	5.1	7.5	7.0	7.3
18	5.7	3.3	4.9	5.5	4.3	4.8	6.7	4.5	5.2	---	---	---
19	4.7	2.2	3.4	6.0	4.8	5.4	7.5	6.2	6.8	---	---	---
20	4.3	2.6	3.5	6.0	5.0	5.4	7.6	5.9	6.8	---	---	---
21	7.2	4.1	6.1	7.0	4.8	5.3	7.6	5.4	6.2	8.1	7.3	7.8
22	7.3	4.9	6.4	6.9	4.2	5.2	7.3	5.0	5.6	7.9	7.3	7.7
23	5.9	3.3	4.9	6.4	5.0	5.6	5.7	4.9	5.2	---	---	---
24	5.2	2.7	3.6	6.0	3.8	5.1	5.8	5.1	5.4	---	---	---
25	3.1	2.1	2.5	---	---	---	6.1	5.3	5.6	---	---	---
26	2.5	1.3	1.8	---	---	---	6.1	5.5	5.7	---	---	---
27	5.1	.6	1.7	---	---	---	5.8	5.2	5.5	---	---	---
28	7.0	2.2	4.7	8.2	6.1	7.0	5.6	4.8	5.3	---	---	---
29	6.7	5.1	6.2	7.0	5.4	6.2	5.7	4.8	5.3	8.2	7.7	8.0
30	6.3	4.6	5.6	5.4	4.2	4.9	5.2	4.3	4.9	8.0	7.5	7.7
31	5.8	3.1	4.8	---	---	---	5.0	4.1	4.7	8.0	5.7	6.5
MONTH	7.3	.0	3.3	9.3	2.3	5.6	7.7	3.2	5.5	9.4	3.4	7.1
DAY												
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.9	5.7	5.8	8.0	5.3	6.3	6.4	4.7	5.9	1.8	.0	.3
2	6.5	5.6	6.0	8.0	5.8	6.4	7.2	4.9	6.2	.5	.0	.0
3	7.5	6.3	7.1	8.8	6.5	7.7	6.5	3.4	4.9	.0	.0	.0
4	10.0	7.4	9.5	8.8	4.8	6.6	6.3	4.0	5.2	.0	.0	.0
5	9.7	6.4	7.6	6.0	4.5	5.0	6.0	3.9	4.7	.0	.0	.0
6	9.1	6.5	7.6	6.4	5.1	5.5	6.5	4.1	4.8	.6	.0	.1
7	9.0	6.2	7.8	6.0	5.0	5.6	7.2	4.5	6.0	.0	.0	.0
8	8.7	6.2	7.0	5.4	4.7	5.0	7.1	4.8	5.8	.0	.0	.0
9	8.7	6.4	7.1	5.2	4.1	4.5	8.1	5.3	6.5	.0	.0	.0
10	7.1	5.9	6.3	5.2	3.9	4.2	8.5	5.2	6.5	.0	.0	.0
11	7.0	6.0	6.7	4.5	3.9	4.3	---	---	---	.0	.0	.0
12	8.0	6.2	6.8	8.3	4.2	5.4	---	---	---	.0	.0	.0
13	9.5	6.1	7.3	9.0	5.0	7.2	3.0	2.5	2.8	.0	.0	.0
14	6.7	6.2	6.5	8.7	5.0	6.5	3.1	2.9	3.0	.0	.0	.0
15	9.1	6.2	6.6	5.5	4.8	5.2	2.9	2.7	2.8	.0	.0	.0
16	9.8	6.5	8.4	---	---	---	6.3	2.7	4.8	.0	.0	.0
17	9.7	6.8	8.6	---	---	---	6.3	3.0	4.9	3.3	.0	1.7
18	9.1	6.2	7.4	3.6	3.3	3.5	3.1	2.5	2.8	2.7	.0	.1
19	8.7	6.0	7.2	4.8	3.2	4.2	3.0	2.0	2.5	1.2	.0	.1
20	8.5	6.8	7.5	7.5	4.7	7.0	2.8	1.4	2.0	1.2	.0	.3
21	8.2	5.5	6.9	8.8	6.7	7.7	2.2	1.6	1.8	1.2	.0	.3
22	9.3	5.2	6.6	8.9	6.6	7.8	1.8	1.2	1.5	.0	.0	.0
23	8.9	5.3	5.9	8.9	6.4	7.6	3.9	.9	2.1	.0	.0	.0
24	6.5	5.1	5.8	---	---	---	8.3	1.3	3.2	.0	.0	.0
25	9.5	5.0	6.6	---	---	---	2.0	.9	1.4	.0	.0	.0
26	5.9	4.7	5.2	6.7	4.4	5.0	2.2	1.1	1.7	.0	.0	.0
27	5.5	4.7	5.1	7.2	5.3	6.4	2.1	1.2	1.7	.0	.0	.0
28	6.0	5.3	5.7	7.2	5.0	6.0	1.2	.0	.5	.0	.0	.0
29	5.9	4.9	5.5	8.0	5.5	6.1	1.2	.0	.1	.0	.0	.0
30	---	---	---	6.1	5.0	5.5	1.4	.0	.3	.0	.0	.0
31	---	---	---	6.4	5.2	5.8	---	---	---	.0	.0	.0
MONTH	10.0	4.7	6.8	9.0	3.2	5.9	8.5	.0	3.4	3.3	.0	.1



## SANTEE RIVER BASIN

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 10.4 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.--Data collection platform. Datum of gage is 0.64 ft below sea level. 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 gates at 362 ft; gage height of other spillway crest, 340 ft with top of gates at 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, 358.22 ft, May, 2, 3; minimum gage height, 344.90 ft, Sept. 30.

## Capacity Table

(Prepared by Lexington Water Power Co. from topographic map, contour survey, and study of change in reservoir elevation due to inflow)

Gage height, in feet	Usable contents, in billions of cubic feet
350.0	50.77
352.0	54.30
356.0	61.91
358.0	66.00
360.0	70.30

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	354.88	354.04	353.59	351.63	353.69	355.51	356.69	358.10	357.88	356.58	354.82	353.39
2	354.64	354.15	353.55	351.62	353.73	355.45	356.73	358.21	357.84	356.46	354.82	353.33
3	354.38	354.32	353.38	351.78	354.07	355.39	356.70	358.16	357.81	356.37	354.77	352.97
4	354.36	354.29	353.07	351.86	354.64	355.37	356.68	358.09	357.75	356.29	354.73	352.66
5	354.42	354.33	352.81	351.76	354.88	355.32	356.68	358.10	357.73	356.24	354.70	352.42
6	354.54	354.25	352.59	351.75	354.89	355.42	356.71	358.07	357.55	356.19	354.76	352.03
7	354.65	354.28	352.45	351.67	354.83	356.16	356.75	358.01	357.55	356.12	354.72	351.67
8	354.72	354.42	352.37	351.57	354.98	356.27	356.75	357.92	357.54	356.06	354.73	351.18
9	354.71	354.40	352.28	351.56	355.05	356.28	356.78	357.86	357.53	356.03	354.74	350.78
10	354.66	354.27	352.26	351.62	355.21	356.07	356.79	357.76	357.66	355.95	354.83	350.64
11	354.52	354.31	352.32	351.64	355.34	355.90	356.67	357.69	357.71	355.88	354.82	350.26
12	354.43	354.17	352.19	351.59	355.48	355.89	356.61	357.56	357.59	355.69	354.88	349.86
13	354.38	354.20	352.09	351.54	355.43	355.96	356.57	357.60	357.63	355.65	355.02	349.50
14	354.39	354.18	351.97	351.56	355.46	356.05	356.50	357.49	357.61	355.63	354.98	349.16
15	354.32	354.04	351.91	351.56	355.45	356.10	356.61	357.48	357.56	355.60	355.03	348.98
16	354.44	354.03	351.83	351.52	355.31	356.12	356.63	357.49	357.54	355.65	354.93	348.59
17	354.49	353.94	351.87	351.60	355.31	356.19	356.57	357.35	357.49	355.64	354.85	348.30
18	354.43	354.03	351.79	351.62	355.34	356.20	356.50	357.08	357.46	355.61	354.80	348.32
19	354.35	354.13	351.99	351.94	355.49	356.07	356.67	356.97	357.43	355.57	354.76	348.20
20	354.29	354.26	352.14	352.00	355.64	355.96	356.76	356.92	357.34	355.47	354.66	348.06
21	354.19	354.35	352.13	352.08	355.76	355.96	356.70	356.90	357.34	355.36	354.49	348.10
22	354.15	354.18	352.11	352.10	355.84	356.03	356.72	356.89	357.24	355.31	354.32	347.98
23	354.04	354.05	352.05	352.05	355.74	356.15	356.85	356.83	357.12	355.19	354.18	347.61
24	354.05	354.08	351.96	352.20	355.77	356.06	356.91	356.83	357.04	355.12	354.06	347.21
25	354.01	354.08	351.89	352.13	355.68	356.07	356.95	356.90	357.00	355.03	354.03	346.75
26	353.87	353.93	351.77	352.04	355.58	356.06	357.10	357.07	356.89	354.95	354.04	346.34
27	353.81	353.88	351.75	352.54	355.61	356.01	357.15	357.35	356.80	355.00	353.83	345.70
28	353.83	353.83	351.68	352.84	355.59	356.14	357.21	357.55	356.75	354.98	353.73	345.34
29	354.01	353.83	351.61	353.05	355.57	356.30	357.46	357.78	356.74	354.93	353.70	345.20
30	354.01	353.67	351.59	353.10	---	356.32	357.84	357.82	356.67	354.87	353.62	344.97
31	354.02	---	351.63	353.52	---	356.39	---	357.93	---	354.85	353.52	---
MAX	354.88	354.42	353.59	353.52	355.84	356.39	357.84	358.21	357.88	356.58	355.03	353.39
MIN	353.81	353.67	351.59	351.52	353.69	355.32	356.50	356.83	356.67	354.85	353.52	344.97
(+)	58.06	57.40	53.64	57.12	61.06	62.70	65.67	65.86	63.26	59.65	57.12	42.60
(*)	-810	-255	-1404	+1299	+1572	+612	+1146	+70.9	-1003	-1348	-945	-5602
CAL YR 1995	*	-237	MAX 357.89	MIN 351.59								
WTR YR 1996	*	-557	MAX 358.21	MIN 344.97								

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

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

SANTEE RIVER BASIN  
02168500 LAKE MURRAY NEAR COLUMBIA, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to current year.

PERIOD OF DAILY RECORD.--October 1992 to current year.

WATER TEMPERATURE (Top): October 1992 to current year.

WATER TEMPERATURE (Bottom): October 1992 to current year.

DISSOLVED OXYGEN (Top): October 1992 to current year.

DISSOLVED OXYGEN (Bottom): October 1992 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE (Top): Maximum, 33.5°C, July 6, 1993; minimum, 7.5°C, Jan. 27, 28, Feb. 1, 3, 1994, Feb. 17, 18, 1995, Feb. 3, 9, 17, 1996.

WATER TEMPERATURE (Bottom): Maximum, 25.0°C, several days in Sept. 1993, Sept. 23, 1996; minimum, 7.5°C, many days in Jan., Feb., 1994, Feb., Mar., 1996.

DISSOLVED OXYGEN (Top): Maximum, 14.0 mg/L, Mar. 16, 1995; minimum, 0.0 mg/L, Aug. 26, 1995.

DISSOLVED OXYGEN (Bottom): Maximum, 11.8 mg/L, Mar. 23, 24, 1993; minimum, 0.0 mg/L many days in 1993, 1994, 1995, 1996 water years.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE (Top): Maximum, 32.5°C, June 25; minimum, 7.5°C, Feb. 3 - 9, 17.

WATER TEMPERATURE (Bottom): Maximum, 25.0°C, Sept. 23; minimum, 7.5°C, several days in Feb., Mar.

DISSOLVED OXYGEN (Top): Maximum, 12.4 mg/L, Feb. 27; minimum 3.4 mg/L, Oct. 23.

DISSOLVED OXYGEN (Bottom): Maximum, 10.6 mg/L, several days in Feb.; minimum, 0.0 mg/L, Oct. 1, many days in Sept.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.0	23.0	23.5	21.0	20.5	21.0	15.0	14.5	15.0	10.5	10.5	10.5
2	25.0	23.0	24.0	21.0	20.5	20.5	15.0	14.5	14.5	11.0	10.5	10.5
3	24.5	24.0	24.5	21.0	20.5	21.0	15.0	14.5	14.5	11.5	10.5	11.0
4	24.0	23.0	23.5	21.0	20.5	20.5	15.0	14.5	14.5	11.5	11.0	11.0
5	23.0	23.0	23.0	21.0	20.0	20.5	14.5	14.5	14.5	11.5	10.5	11.0
6	25.0	23.0	23.5	20.5	20.0	20.0	14.5	14.5	14.5	11.5	10.0	10.5
7	24.5	23.5	24.0	20.0	19.5	20.0	14.5	14.0	14.0	10.5	10.0	10.0
8	24.0	23.0	23.5	20.0	19.5	20.0	14.5	13.5	14.0	10.5	10.0	10.0
9	23.5	23.0	23.0	19.5	19.0	19.5	14.5	13.5	14.0	10.0	9.5	10.0
10	23.0	23.0	23.0	19.5	18.5	19.0	14.0	13.5	14.0	10.0	9.5	9.5
11	23.0	23.0	23.0	---	---	---	14.0	13.5	14.0	10.0	9.0	9.5
12	23.0	22.5	23.0	---	---	---	14.0	13.0	13.5	9.5	9.0	9.5
13	23.0	22.5	22.5	---	---	---	13.5	13.0	13.5	9.5	9.0	9.0
14	23.5	22.5	23.0	---	---	---	13.5	13.0	13.5	9.5	8.5	9.0
15	23.0	22.5	23.0	---	---	---	13.5	13.0	13.0	9.5	9.0	9.0
16	23.0	22.5	22.5	---	---	---	13.5	12.5	13.0	9.0	8.5	9.0
17	22.5	22.0	22.5	---	---	---	13.0	12.5	13.0	9.0	8.5	9.0
18	22.0	22.0	22.0	---	---	---	13.0	12.5	13.0	9.0	8.5	9.0
19	22.0	21.5	22.0	---	---	---	13.0	12.5	12.5	10.0	9.0	9.5
20	23.0	21.5	22.0	---	---	---	13.0	12.5	12.5	10.0	9.0	9.5
21	22.0	21.5	21.5	16.5	16.0	16.0	13.0	12.5	12.5	9.5	9.0	9.0
22	21.5	21.5	21.5	16.5	16.0	16.0	13.0	12.5	12.5	9.5	8.5	9.0
23	21.5	21.0	21.5	16.0	15.5	15.5	13.0	12.0	12.5	9.0	8.5	9.0
24	21.5	21.0	21.5	15.5	15.5	15.5	12.5	12.0	12.5	9.5	8.5	9.0
25	21.5	21.0	21.5	15.5	15.0	15.5	12.0	11.5	12.0	9.0	8.5	9.0
26	21.5	21.0	21.5	15.0	15.0	15.0	11.5	11.5	11.5	8.5	8.5	8.5
27	21.5	21.0	21.0	15.5	15.0	15.0	12.0	11.0	11.5	9.5	8.5	9.0
28	21.5	21.0	21.0	15.0	15.0	15.0	11.5	11.0	11.5	9.5	8.5	9.0
29	21.0	20.5	21.0	15.0	14.5	15.0	11.5	11.0	11.0	9.0	8.5	9.0
30	21.0	21.0	21.0	15.0	14.5	14.5	11.5	11.0	11.0	9.0	8.5	9.0
31	21.0	20.5	21.0	---	---	---	11.0	10.5	10.5	9.0	8.5	9.0
MONTH	25.0	20.5	22.4	21.0	14.5	17.7	15.0	10.5	13.0	11.5	8.5	9.5

## SANTEE RIVER BASIN

02168500 LAKE MURRAY NEAR COLUMBIA, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

TOP												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	9.0	8.5	9.0	11.5	10.0	11.0	11.0	10.0	10.5	19.0	17.5	18.0
2	9.0	8.0	8.5	12.0	11.0	11.5	12.0	10.5	11.0	19.0	18.0	18.5
3	8.0	7.5	8.0	11.5	11.0	11.5	13.0	11.0	12.0	20.5	18.0	18.5
4	7.5	7.5	7.5	11.5	10.5	11.0	13.5	12.5	12.5	22.0	18.0	20.5
5	8.0	7.5	7.5	11.0	10.5	11.0	14.5	13.0	13.0	24.0	20.5	21.5
6	8.0	7.5	7.5	11.0	10.5	11.0	13.5	12.5	12.5	24.0	22.0	23.0
7	8.5	7.5	8.0	11.5	11.0	11.0	14.0	12.0	13.0	23.0	20.5	22.0
8	8.5	7.5	8.0	11.0	10.0	10.5	14.0	12.5	13.0	23.5	20.5	21.5
9	8.0	7.5	8.0	10.5	10.0	10.0	13.5	11.0	12.5	25.0	22.5	23.0
10	8.5	8.0	8.0	10.0	9.5	9.5	13.5	12.0	12.5	25.0	23.5	24.0
11	9.0	8.0	8.5	9.5	9.0	9.5	15.0	13.0	13.5	24.5	23.5	24.0
12	9.0	8.0	8.5	9.5	9.0	9.0	15.5	13.5	14.5	24.0	22.5	23.5
13	9.0	8.0	8.5	10.5	9.5	9.5	15.0	14.0	14.5	22.5	21.5	22.0
14	9.0	8.0	8.5	11.0	9.5	10.0	15.5	14.5	14.5	21.5	20.5	21.0
15	8.5	8.0	8.5	11.0	10.0	11.0	18.0	14.5	16.5	21.0	19.5	20.5
16	9.0	8.0	8.5	13.0	10.5	11.5	16.5	16.0	16.5	22.5	20.0	21.0
17	8.5	7.5	8.0	12.0	11.0	11.5	17.5	15.5	16.0	25.5	21.5	22.5
18	8.5	8.0	8.0	11.5	10.0	10.5	18.5	15.5	17.0	26.0	23.0	24.0
19	8.5	8.0	8.0	10.5	9.5	10.0	17.0	16.0	16.5	27.0	24.5	26.0
20	8.5	8.0	8.0	10.5	9.5	10.0	16.5	15.5	16.0	29.0	26.5	27.5
21	8.5	8.0	8.0	10.5	9.5	10.0	18.5	16.0	17.0	29.0	28.0	28.5
22	9.5	8.0	8.5	11.0	10.0	10.5	21.5	16.5	18.0	29.0	26.0	27.5
23	10.0	8.0	8.5	10.5	10.0	10.5	19.5	17.5	18.5	28.0	22.0	24.0
24	10.5	8.0	9.0	10.5	9.5	10.0	18.5	16.0	17.5	28.0	22.5	25.5
25	11.5	8.5	9.5	10.5	10.0	10.5	18.0	17.5	18.0	28.0	25.0	26.5
26	11.5	8.5	10.5	10.5	10.0	10.5	18.0	17.0	17.5	---	---	---
27	13.5	11.5	12.5	10.5	9.5	10.0	18.5	17.5	17.5	---	---	---
28	13.5	12.0	12.5	10.0	9.5	10.0	18.5	17.0	17.5	---	---	---
29	13.0	11.5	12.5	10.0	10.0	10.0	18.5	17.5	18.5	---	---	---
30	---	---	---	10.5	10.0	10.0	18.5	17.5	18.0	27.0	25.0	26.0
31	---	---	---	10.5	10.0	10.0	---	---	---	25.5	25.0	25.0
MONTH	13.5	7.5	8.8	13.0	9.0	10.4	21.5	10.0	15.2	29.0	17.5	23.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	25.5	24.5	25.0	31.0	29.0	30.0	29.0	28.5	28.5	27.5	27.0	27.



Santee River Basin  
02168500 LAKE MURRAY AT COLUMBIA, SC--Continued  
TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY												
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
<u>BOTTOM</u>												
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.0	19.5	20.5	20.5	20.5	20.5	14.5	14.5	14.5	10.5	10.0	10.5
2	23.0	20.0	21.0	20.5	20.0	20.5	14.5	14.0	14.5	10.5	10.0	10.5
3	21.5	20.0	21.0	20.0	20.0	20.0	14.5	14.0	14.5	11.0	10.0	10.5
4	23.0	20.5	22.0	20.0	20.0	20.0	14.5	14.0	14.0	10.5	10.5	10.5
5	23.5	21.5	23.0	20.0	19.5	20.0	14.0	14.0	14.0	10.5	10.0	10.5
6	23.0	22.0	22.5	20.0	19.5	19.5	14.0	14.0	14.0	10.5	10.0	10.0
7	23.5	22.5	23.0	19.5	19.5	19.5	14.0	13.5	14.0	10.0	10.0	10.0
8	23.0	23.0	23.0	19.5	19.0	19.0	14.0	13.5	13.5	10.0	9.5	9.5
9	23.0	22.5	23.0	19.0	18.5	19.0	13.5	13.5	13.5	9.5	9.0	9.0
10	23.0	22.0	22.5	19.0	18.5	18.5	13.5	13.5	13.5	9.5	9.0	9.0
11	23.0	22.5	22.5	---	---	---	13.5	13.0	13.5	9.5	9.0	9.0
12	23.0	22.5	22.5	---	---	---	13.0	13.0	13.0	9.0	9.0	9.0
13	23.0	22.5	22.5	---	---	---	13.0	12.5	13.0	9.0	9.0	9.0
14	23.0	23.0	23.0	---	---	---	13.0	12.5	12.5	9.0	9.0	9.0
15	23.0	22.5	23.0	---	---	---	12.5	12.5	12.5	9.0	9.0	9.0
16	22.5	22.5	22.5	---	---	---	12.5	12.5	12.5	9.0	8.5	9.0
17	22.5	22.0	22.5	---	---	---	12.5	12.5	12.5	8.5	8.5	8.5
18	22.0	22.0	22.0	---	---	---	12.5	12.0	12.0	9.0	8.5	8.5
19	22.0	22.0	22.0	---	---	---	12.5	12.0	12.5	9.5	9.0	9.5
20	22.0	21.5	22.0	---	---	---	12.5	12.5	12.5	9.0	9.0	9.0
21	22.0	21.5	21.5	16.0	15.5	16.0	12.5	12.0	12.0	9.0	8.5	9.0
22	21.5	21.0	21.5	16.0	15.5	15.5	12.0	12.0	12.0	9.0	8.5	8.5
23	21.5	21.0	21.0	15.5	15.0	15.5	12.0	12.0	12.0	9.0	8.5	8.5
24	21.0	21.0	21.0	15.5	15.0	15.5	12.0	11.5	12.0	9.0	8.5	9.0
25	21.0	21.0	21.0	15.0	14.5	15.0	11.5	11.5	11.5	9.0	8.5	9.0
26	21.0	21.0	21.0	15.0	14.5	15.0	11.5	11.0	11.5	8.5	8.5	8.5
27	21.5	21.0	21.0	15.0	14.5	14.5	11.5	11.0	11.0	9.0	8.5	9.0
28	21.5	21.0	21.0	15.0	14.5	15.0	11.0	11.0	11.0	9.0	8.5	8.5
29	21.0	20.5	21.0	15.0	14.5	14.5	11.0	10.5	11.0	8.5	8.5	8.5
30	21.0	20.5	20.5	14.5	14.5	14.5	11.0	10.5	10.5	8.5	8.5	8.5
31	20.5	20.5	20.5	---	---	---	10.5	10.5	10.5	8.5	8.5	8.5
MONTH	23.5	19.5	21.8	20.5	14.5	17.4	14.5	10.5	12.6	11.0	8.5	9.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
<u>BOTTOM</u>												
	FEBRUARY			MARCH			APRIL			MAY		
1	8.5	8.5	8.5	8.0	7.5	8.0	10.0	10.0	10.0	12.0	10.5	11.5
2	8.5	8.0	8.5	8.0	7.5	8.0	10.5	10.0	10.0	11.5	10.5	11.0
3	8.5	8.0	8.5	9.5	8.0	8.5	10.5	10.0	10.5	11.5	10.5	11.0
4	8.0	8.0	8.0	8.5	8.0	8.5	10.5	10.0	10.0	11.5	10.5	11.0
5	8.0	8.0	8.0	9.0	8.0	8.5	10.5	9.5	10.0	11.5	10.5	11.0
6	8.0	8.0	8.0	8.5	8.0	8.0	10.0	9.5	10.0	11.5	10.5	11.0
7	8.0	7.5	8.0	11.5	8.0	8.5	10.0	9.5	9.5	11.5	10.5	11.0
8	8.0	7.5	8.0	11.5	9.5	10.5	10.0	9.5	9.5	11.5	11.0	11.5
9	8.0	8.0	8.0	10.5	9.5	10.0	10.5	9.5	10.0	12.0	10.5	11.5
10	8.0	8.0	8.0	10.0	9.5	9.5	11.5	10.0	10.0	12.0	11.0	11.0
11	9.0	8.0	8.5	9.5	9.5	9.5	10.0	10.0	10.0	12.0	11.0	11.5
12	8.5	8.5	8.5	9.5	9.5	9.5	11.0	10.0	10.0	12.0	11.0	11.5
13	9.0	8.0	8.5	9.5	9.5	9.5	10.5	10.0	10.0	11.5	11.0	11.0
14	8.5	8.0	8.5	9.5	9.5	9.5	10.5	10.0	10.5	12.0	11.0	11.5
15	8.5	8.0	8.5	11.5	9.5	10.0	10.5	10.0	10.0	11.5	11.0	11.5
16	8.5	8.0	8.5	10.5	9.5	9.5	12.5	9.5	11.0	12.0	11.5	11.5
17	8.5	8.0	8.0	10.0	9.5	9.5	12.0	11.0	11.5	12.0	11.0	11.5
18	8.5	8.0	8.0	10.0	9.5	9.5	11.5	10.5	11.0	12.0	11.0	11.5
19	8.0	8.0	8.0	10.5	9.5	10.0	11.0	10.0	10.5	12.0	11.0	11.5
20	8.0	8.0	8.0	10.5	10.0	10.5	11.0	10.0	10.5	12.0	11.5	11.5
21	8.0	8.0	8.0	10.5	10.0	10.0	11.5	10.5	11.0	12.0	11.5	11.5
22	8.0	7.5	8.0	10.0	10.0	10.0	11.0	10.0	10.5	12.0	10.5	11.5
23	8.0	7.5	8.0	10.0	10.0	10.0	11.0	10.0	10.5	11.0	10.5	11.0
24	8.0	7.5	8.0	10.0	10.0	10.0	12.0	10.5	11.5	11.0	10.5	11.0
25	8.0	7.5	8.0	10.0	10.0	10.0	10.5	10.0	10.5	11.5	10.5	11.0
26	8.5	7.5	8.0	10.0	9.5	10.0	11.0	10.5	11.0	---	---	---
27	8.5	8.0	8.0	10.0	9.5	10.0	11.5	10.5	11.0	---	---	---
28	8.0	7.5	8.0	10.0	9.5	9.5	10.5	10.5	10.5	---	---	---
29	8.5	8.0	8.0	10.0	9.5	9.5	11.0	10.5	10.5	---	---	---
30	---	---	---	10.0	10.0	10.0	11.5	10.5	11.0	11.5	11.0	11.0
31	---	---	---	10.0	9.5	10.0	---	---	---	11.5	11.0	11.5
MONTH	9.0	7.5	8.2	11.5	7.5	9.5	12.5	9.5	10.4	12.0	10.5	11.3



## SANTÉE RIVER BASIN

02168500 LAKE MURRAY AT COLUMBIA, SC--Continued

DISSOLVED OXYGEN (DO) IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

TOP												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.3	5.5	6.3	7.4	6.2	6.8	8.4	6.2	7.2	10.3	9.9	10.1
2	8.6	6.9	7.7	7.6	7.0	7.4	7.6	6.8	7.2	10.6	10.0	10.3
3	9.7	8.1	8.8	---	---	---	7.6	6.8	7.2	11.1	10.1	10.6
4	8.6	5.9	6.4	---	---	---	8.9	7.2	7.8	10.7	10.1	10.5
5	6.8	5.7	6.3	---	---	---	7.9	7.3	7.6	10.8	10.3	10.6
6	8.0	6.7	7.3	---	---	---	8.1	7.6	7.9	10.5	10.2	10.3
7	8.9	7.7	8.3	---	---	---	8.4	7.6	7.9	10.8	9.9	10.3
8	8.6	6.7	7.9	---	---	---	8.8	7.5	8.0	10.5	9.6	10.2
9	7.3	6.4	6.8	---	---	---	8.5	7.6	8.0	10.7	10.4	10.5
10	7.4	6.4	6.8	---	---	---	8.7	7.9	8.4	10.7	10.0	10.5
11	7.0	6.4	6.8	---	---	---	8.7	7.9	8.3	10.5	10.0	10.3
12	7.1	6.6	6.8	---	---	---	8.8	8.2	8.6	10.7	10.1	10.4
13	7.3	6.6	6.9	---	---	---	9.0	8.2	8.7	10.8	9.9	10.5
14	8.7	6.9	8.0	---	---	---	9.3	8.4	9.0	10.5	10.2	10.4
15	8.6	7.2	8.0	---	---	---	9.7	9.1	9.3	10.6	10.0	10.4
16	8.4	7.2	7.6	---	---	---	9.9	9.3	9.6	10.2	9.8	10.0
17	7.7	7.0	7.3	---	---	---	9.6	9.3	9.4	10.2	9.8	10.0
18	7.3	6.8	7.1	---	---	---	9.6	9.3	9.5	10.5	9.7	10.1
19	7.5	6.8	7.0	---	---	---	9.7	9.3	9.5	10.7	10.0	10.5
20	8.0	6.8	7.2	---	---	---	9.5	8.9	9.1	10.4	9.9	10.1
21	7.9	4.6	5.8	7.0	6.7	6.8	9.1	8.7	9.0	10.5	9.8	10.1
22	6.7	3.8	5.0	7.2	6.8	6.9	9.2	8.8	9.0	10.2	9.5	9.9
23	4.8	3.4	4.1	7.0	6.3	6.7	9.5	8.8	9.2	10.5	9.4	9.8
24	5.4	3.6	4.4	7.1	6.2	6.5	9.8	9.4	9.6	11.7	10.1	11.1
25	5.3	4.2	4.5	6.7	6.1	6.5	9.7	9.4	9.6	11.6	11.1	11.4
26	4.8	3.7	4.3	7.0	6.1	6.5	9.9	9.5	9.7	11.5	11.0	11.3
27	7.2	4.8	6.3	7.3	6.2	6.6	10.3	9.7	10.0	11.7	11.3	11.5
28	8.3	6.5	7.1	7.8	6.2	6.9	10.5	9.7	10.1	11.5	11.2	11.4
29	6.7	6.2	6.5	8.3	6.4	7.2	10.3	9.8	10.0	11.3	11.0	11.2
30	6.6	5.0	6.1	8.1	6.5	7.2	10.4	9.8	10.0	11.3	11.0	11.1
31	6.7	6.0	6.4	---	---	---	10.2	9.7	10.0	11.5	10.9	11.1
MONTH	9.7	3.4	6.6	8.3	6.1	6.8	10.5	6.2	8.9	11.7	9.4	10.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.3	10.9	11.1	11.9	11.0	11.3	8.9	7.5	8.6	8.8	7.2	7.9
2	11.2	10.8	11.0	12.1	11.1	11.5	---	---	---	9.1	7.6	8.2
3	11.2	10.9	11.0	11.5	11.0	11.3	---	---	---	9.2	7.5	8.0
4	11.4	10.7	11.0	11.9	10.6	11.2	---	---	---	9.3	8.3	8.8
5	11.3	10.7	11.0	11.6	11.1	11.4	---	---	---	9.5	8.1	8.8
6	11.4	10.8	11.1	11.2	10.6	11.0	8.2	7.3	7.7	9.3	7.8	8.7
7	11.4	10.8	11.1	11.1	10.7	10.9	8.4	7.3	7.8	8.3	6.6	7.8
8	11.5	11.1	11.3	11.0	10.7	10.8	8.4	7.5	7.9	8.6	6.9	7.4
9	11.6	10.8	11.3	11.3	10.5	10.8	8.3	7.3	7.7	9.5	6.5	7.9
10	11.2	10.7	11.0	10.8	10.2	10.5	9.2	7.8	8.6	9.5	7.4	8.5
11	11.7	11.2	11.5	10.7	10.2	10.4	9.4	8.4	8.8	9.1	7.9	8.7
12	11.7	11.4	11.5	10.6	10.2	10.4	9.5	8.6	9.0	8.7	4.8	7.5
13	11.6	11.3	11.4	11.5	10.2	10.5	9.2	8.4	8.8	8.1	5.3	7.1
14	11.7	11.3	11.5	11.9	10.4	10.9	8.9	8.2	8.4	8.0	5.4	7.1
15	11.5	11.1	11.3	11.9	10.7	11.6	10.4	8.0	9.0	8.0	6.4	7.4
16	11.4	11.2	11.3	12.2	10.4	11.5	8.6	7.9	8.3	8.9	6.6	8.0
17	11.8	11.2	11.4	11.8	11.1	11.5	8.7	7.0	7.5	11.3	8.3	9.3
18	11.5	10.8	11.3	11.3	10.2	10.6	9.1	7.1	8.1	10.7	8.5	9.7
19	11.5	10.6	11.1	10.8	10.2	10.6	8.4	7.7	8.0	10.1	8.7	9.6
20	11.2	10.7	10.9	10.7	10.6	10.6	8.7	7.7	8.0	11.2	8.7	9.9
21	10.9	10.3	10.6	10.7	10.4	10.6	9.3	7.5	8.2	10.9	9.3	10.1
22	11.2	10.1	10.5	10.7	10.4	10.5	10.6	8.5	9.2	10.9	8.8	9.4
23	11.2	10.1	10.6	10.5	10.1	10.3	9.4	8.3	8.9	9.2	6.7	7.5
24	11.7	10.4	11.1	10.7	10.0	10.2	8.8	7.5	8.2	10.5	7.3	8.5
25	11.9	10.5	11.0	10.6	10.0	10.2	9.1	7.7	8.7	---	---	---
26	11.8	10.8	11.4	10.5	9.9	10.1	8.6	7.8	8.2	---	---	---
27	12.4	11.2	11.8	10.1	9.7	9.9	8.5	7.1	7.9	---	---	---
28	12.0	11.5	11.8	9.8	9.4	9.7	8.2	7.0	7.5	---	---	---
29	12.3	11.1	11.5	9.6	9.3	9.5	8.1	6.9	7.7	---	---	---
30	---	---	---	9.5	9.2	9.3	8.2	7.3	7.9	7.8	5.3	6.3
31	---	---	---	9.4	8.9	9.2	---	---	---	8.7	5.5	6.8
MONTH	12.4	10.1	11.2	12.2	8.9	10.6	10.6	6.9	8.3	11.3	4.8	8.3



## SANTÉE RIVER BASIN

02168500 LAKE MURRAY AT COLUMBIA, SC--Continued

DISSOLVED OXYGEN (DO) IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

BOTTOM												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	5.3	.0	1.3	6.2	5.9	6.1	7.8	7.4	7.6	9.0	8.9	8.9
2	5.3	.3	2.5	6.2	5.9	6.1	8.0	7.7	7.8	9.0	8.9	8.9
3	2.4	.2	1.4	6.3	6.1	6.1	7.8	7.2	7.5	9.1	8.9	9.0
4	4.8	.4	2.4	6.3	6.1	6.2	7.9	6.9	7.6	9.1	9.1	9.1
5	5.7	1.5	4.4	6.5	6.2	6.3	7.9	7.3	7.6	9.2	9.0	9.1
6	5.6	2.6	3.8	6.6	6.4	6.5	8.1	7.6	7.9	9.1	9.0	9.1
7	5.9	4.0	5.0	6.6	6.5	6.5	8.0	7.5	7.8	9.3	9.0	9.1
8	5.0	4.4	4.7	6.8	6.6	6.7	7.8	7.1	7.5	9.5	9.2	9.4
9	5.7	3.4	4.6	6.9	6.7	6.8	7.9	7.1	7.5	9.6	9.5	9.5
10	5.8	3.0	4.6	7.1	6.8	7.0	8.0	7.5	7.7	9.7	9.6	9.6
11	5.9	3.2	4.1	---	---	---	8.0	7.5	7.8	9.8	9.6	9.7
12	5.9	3.4	4.9	---	---	---	8.1	7.6	7.9	9.7	9.6	9.7
13	5.9	3.7	5.5	---	---	---	8.1	7.2	7.8	9.7	9.6	9.7
14	6.4	5.8	6.0	---	---	---	8.2	7.9	8.1	9.7	9.6	9.7
15	6.5	5.7	6.1	---	---	---	8.2	8.1	8.2	9.8	9.6	9.7
16	6.4	6.1	6.2	---	---	---	8.3	8.0	8.1	9.7	9.6	9.7
17	6.4	4.8	5.7	---	---	---	8.4	8.2	8.3	9.7	9.6	9.7
18	6.0	5.1	5.8	---	---	---	8.4	8.3	8.4	9.7	9.6	9.6
19	5.8	5.3	5.7	---	---	---	8.4	8.3	8.3	10.0	9.7	9.8
20	6.0	4.8	5.7	---	---	---	8.5	8.4	8.4	9.9	9.8	9.9
21	6.5	5.7	6.2	7.6	7.3	7.5	8.5	8.3	8.4	9.9	9.8	9.9
22	6.3	5.5	5.9	7.7	7.5	7.6	8.5	8.3	8.4	10.1	9.7	9.9
23	6.1	5.3	5.6	7.6	7.1	7.4	8.5	8.4	8.4	9.9	9.7	9.8
24	5.8	5.4	5.6	7.5	7.1	7.3	8.6	8.4	8.5	10.0	9.7	9.9
25	5.8	5.4	5.6	7.7	6.7	7.4	8.6	8.4	8.5	10.1	9.9	10.0
26	5.7	5.2	5.5	7.6	6.7	7.1	8.7	8.6	8.6	10.0	9.8	9.9
27	5.7	4.4	5.2	7.7	6.8	7.4	8.8	8.6	8.7	10.1	9.8	10.0
28	6.2	4.9	5.9	7.7	6.6	7.5	8.8	8.7	8.8	10.2	10.0	10.1
29	6.3	6.0	6.2	7.7	6.6	7.1	8.8	8.7	8.8	10.2	10.0	10.1
30	6.1	5.8	6.0	7.7	7.3	7.5	8.9	8.8	8.8	10.2	10.0	10.1
31	6.1	5.9	6.0	---	---	---	9.0	8.9	8.9	10.1	10.0	10.0
MONTH	6.5	.0	5.0	7.7	5.9	6.9	9.0	6.9	8.1	10.2	8.9	9.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.2	10.0	10.1	10.2	10.1	10.2	8.9	8.5	8.7	8.0	7.8	7.9
2	10.2	10.0	10.1	10.2	10.0	10.1	8.8	8.5	8.6	8.1	7.8	8.0
3	10.2	10.0	10.1	10.4	9.9	10.1	8.8	8.5	8.7	8.0	7.9	7.9
4	10.3	10.0	10.1	10.2	10.0	10.1	8.6	8.3	8.5	8.1	7.8	8.0
5	10.3	10.0	10.2	10.1	9.9	10.1	8.5	7.8	8.2	8.0	7.9	8.0
6	10.4	10.2	10.2	10.1	10.0	10.0	8.0	7.7	7.9	8.1	7.9	8.0
7	10.4	10.2	10.2	10.3	9.9	10.1	7.9	7.7	7.8	8.1	7.9	8.0
8	10.4	10.2	10.3	10.2	10.1	10.2	7.9	7.6	7.8	8.2	8.0	8.0
9	10.4	10.3	10.3	10.2	10.0	10.1	8.0	7.7	7.8	8.1	8.0	8.1
10	10.3	10.2	10.3	10.2	10.0	10.1	8.0	7.7	7.8	8.1	8.0	8.0
11	10.6	10.2	10.4	10.2	10.0	10.1	8.0	7.8	7.9	8.1	8.0	8.1
12	10.6	10.3	10.4	10.2	10.0	10.1	8.0	7.7	7.8	8.2	7.9	8.0
13	10.6	10.3	10.4	10.1	9.9	10.0	8.0	7.8	7.9	8.2	8.1	8.1
14	10.6	10.3	10.5	10.0	9.8	9.9	7.9	7.7	7.8	8.2	7.9	8.0
15	10.5	10.4	10.4	10.5	9.7	10.0	8.0	7.7	7.9	8.2	8.0	8.1
16	10.6	10.3	10.4	10.0	9.7	9.8	8.0	7.8	7.9	8.2	8.0	8.1
17	10.6	10.4	10.5	9.8	9.5	9.7	8.1	7.8	7.9	8.3	8.1	8.2
18	10.6	10.4	10.5	9.7	9.6	9.6	8.0	7.8	7.9	8.2	8.1	8.2
19	10.5	10.3	10.4	9.8	9.5	9.7	8.0	7.8	7.9	8.3	8.1	8.2
20	10.5	10.3	10.4	9.7	9.5	9.6	8.0	7.8	7.9	8.3	8.1	8.2
21	10.4	10.3	10.4	9.6	9.5	9.5	8.0	7.8	7.9	8.3	8.1	8.2
22	10.4	10.3	10.4	9.6	9.3	9.4	7.9	7.7	7.8	8.3	8.0	8.2
23	10.4	10.3	10.3	9.5	9.3	9.4	8.0	7.7	7.8	8.4	8.0	8.2
24	10.4	10.2	10.3	9.4	9.2	9.3	8.0	7.7	7.8	8.3	7.9	8.1
25	10.4	10.2	10.3	9.2	9.1	9.2	8.0	7.7	7.8	8.2	7.9	8.1
26	10.4	10.2	10.3	9.2	9.0	9.1	7.9	7.8	7.8	---	---	---
27	10.4	10.2	10.3	9.2	8.9	9.0	8.0	7.6	7.8	---	---	---
28	10.3	10.1	10.2	9.0	8.9	8.9	8.0	7.8	7.9	---	---	---
29	10.3	10.2	10.2	9.0	8.9	8.9	8.0	7.7	7.8	---	---	---
30	---	---	---	8.9	8.7	8.8	8.0	7.8	7.9	8.4	7.7	7.9
31	---	---	---	8.9	8.8	8.8	---	---	---	7.9	7.6	7.7
MONTH	10.6	10.0	10.3	10.5	8.7	9.7	8.9	7.6	8.0	8.4	7.6	8.1





## SANTÉE RIVER BASIN

02168501 LAKE MURRAY TAILRACE NEAR COLUMBIA, SC

LOCATION.--Lat 34°03'12'', long 81°13'01'', Lexington County, Hydrologic Unit 03050109, on left side of Saluda River below Lake Murray dam, at power house, 10.2 mi upstream from confluence of Saluda and Congaree Rivers.

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

PERIOD OF RECORD.--October 1986 to current year. Data prior to October 1986 are in files of the U. S. Geological Survey.

GAGE.--Water-stage recorder. Elevation of gage is 170 ft above sea level (from topographic map).

REMARKS.--Regulated by hydro-electric generation from Lake Murray Dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 85.86 ft, Feb. 22, 1990; minimum gage height, 70.57 ft, Dec. 4, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 84.72 ft, Oct. 4; minimum gage height, 71.69 ft, Apr. 30.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	84.60	74.00	78.03	77.40	72.71	74.83	82.17	73.09	76.19	76.86	72.52	74.39
2	84.01	73.62	78.42	77.41	73.26	75.50	77.21	73.09	74.91	76.98	72.94	75.01
3	84.57	74.01	78.13	77.26	73.32	74.88	81.46	74.44	77.16	76.91	72.00	74.95
4	84.72	74.49	80.13	76.77	73.21	74.84	83.49	75.00	78.99	78.21	73.48	75.27
5	82.65	74.69	78.72	76.86	73.64	75.24	82.52	74.44	78.72	76.70	72.02	74.79
6	77.34	73.39	75.39	77.87	73.56	75.51	81.98	75.17	77.59	77.14	73.35	75.04
7	77.05	73.33	75.27	80.21	73.62	76.15	84.35	75.06	78.12	84.56	73.46	77.77
8	77.43	73.51	75.45	80.31	73.81	76.46	82.69	73.58	77.51	82.85	75.05	77.52
9	77.19	73.57	75.28	81.89	73.99	77.61	80.70	73.20	75.31	79.20	74.71	76.31
10	78.03	73.18	75.39	82.52	74.65	77.12	78.10	73.59	75.17	78.03	73.20	75.85
11	80.59	73.57	76.33	81.79	74.79	77.63	77.86	73.77	75.24	78.71	73.55	75.73
12	76.98	73.85	75.33	83.77	75.79	79.46	77.72	73.99	75.82	77.22	73.55	75.32
13	77.52	74.04	75.76	84.02	74.85	78.80	79.70	73.90	76.11	77.10	73.40	75.23
14	77.52	73.30	74.97	83.79	75.37	79.20	77.63	74.54	75.91	76.67	73.27	75.06
15	77.06	73.45	74.65	82.35	75.62	79.36	76.85	73.28	75.30	76.87	73.93	75.41
16	77.56	73.60	75.07	82.73	74.27	77.11	77.07	72.95	75.12	77.26	73.34	74.99
17	77.84	73.39	74.69	84.02	74.32	77.16	77.24	73.46	75.18	76.86	73.43	74.60
18	76.93	73.03	75.10	77.76	73.76	75.41	78.49	73.62	75.40	76.66	73.06	74.47
19	77.10	73.93	75.69	77.15	73.52	74.98	76.42	72.06	74.36	77.20	73.23	74.63
20	76.81	74.03	75.56	83.32	73.19	75.85	77.38	72.99	75.32	77.17	73.66	75.12
21	76.39	73.52	75.07	76.80	73.27	74.81	78.92	72.56	75.80	76.94	73.62	75.31
22	76.63	72.93	74.86	82.91	73.62	76.57	78.48	73.67	75.83	81.42	73.02	76.26
23	76.32	73.56	74.88	77.55	73.65	75.20	77.30	72.79	75.40	81.98	73.43	75.80
24	76.79	72.75	75.00	77.10	73.98	75.43	77.17	73.80	75.55	77.80	73.44	75.40
25	77.05	72.97	74.85	80.26	74.07	76.36	77.11	73.30	74.99	77.67	74.26	75.80
26	76.94	73.30	74.91	80.02	74.19	76.13	77.45	73.62	75.63	77.03	74.15	75.41
27	76.93	73.70	75.24	77.25	73.96	75.83	76.65	73.57	75.27	77.20	74.06	75.10
28	76.46	72.87	74.13	81.28	73.25	75.68	76.95	73.81	75.74	82.73	74.28	76.46
29	75.83	72.93	74.32	76.30	73.12	74.71	77.08	73.41	74.78	79.23	73.76	76.10
30	78.00	72.97	74.41	84.01	73.05	77.17	76.53	72.96	74.12	79.71	73.72	75.72
31	76.51	73.25	74.32	---	---	---	76.15	73.24	74.09	77.30	73.19	74.96
MONTH	84.72	72.75	75.66	84.02	72.71	76.37	84.35	72.06	75.83	84.56	72.00	75.48

## SANTÉE RIVER BASIN

02168501 LAKE MURRAY TAILRACE NEAR COLUMBIA, SC--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	77.51	73.94	75.61	---	---	---	77.87	73.27	75.19	77.91	72.46	74.45
2	84.04	74.11	79.85	---	---	---	78.86	73.42	75.59	77.44	73.17	75.45
3	84.44	75.78	80.71	---	---	---	79.70	73.55	76.62	77.10	73.48	75.30
4	84.17	75.89	80.43	---	---	---	77.77	73.38	75.52	77.28	73.33	75.27
5	84.05	76.98	81.13	---	---	---	77.01	73.46	75.01	76.74	73.10	74.71
6	84.34	74.57	78.86	---	---	---	77.09	73.89	75.40	79.92	73.25	75.24
7	82.83	74.19	77.63	---	---	---	76.85	73.51	74.64	78.85	74.41	75.65
8	76.71	73.75	75.50	---	---	---	77.18	73.25	74.58	77.08	74.52	75.88
9	76.75	73.20	74.71	---	---	---	76.82	72.91	74.64	79.36	74.48	76.02
10	75.58	72.86	74.21	---	---	---	76.84	73.35	75.04	77.44	73.29	75.75
11	75.28	72.27	73.98	---	---	---	76.69	73.55	75.53	77.17	73.43	75.48
12	79.80	72.93	74.94	---	---	---	77.14	73.32	75.11	77.16	72.70	75.26
13	---	---	---	82.47	72.99	75.46	76.63	73.37	74.86	76.22	72.68	73.53
14	---	---	---	78.52	73.46	75.28	77.64	73.22	75.16	76.61	73.03	74.21
15	---	---	---	80.78	73.51	76.81	76.86	72.59	74.32	76.76	73.06	74.74
16	---	---	---	80.30	73.68	76.60	77.10	73.04	74.77	76.97	73.48	74.88
17	---	---	---	80.67	73.43	76.47	76.72	72.91	74.88	81.40	73.43	77.17
18	---	---	---	82.14	74.39	77.21	76.87	73.28	75.08	83.67	74.44	77.97
19	---	---	---	83.10	74.25	79.91	76.41	72.35	73.23	80.60	74.43	76.52
20	---	---	---	83.12	74.80	80.56	75.65	71.84	73.88	80.43	74.20	75.28
21	---	---	---	82.66	74.10	77.27	76.85	72.60	75.06	76.91	73.13	73.98
22	---	---	---	80.74	72.74	75.03	78.62	72.61	74.31	76.39	72.88	73.57
23	---	---	---	75.30	72.67	74.00	72.88	72.19	72.41	76.32	72.88	73.43
24	---	---	---	75.04	71.88	73.42	72.35	72.25	72.31	73.22	72.08	72.69
25	---	---	---	78.07	72.48	74.46	72.38	72.27	72.33	73.43	72.45	73.03
26	---	---	---	79.91	72.68	74.89	72.90	71.70	71.97	73.28	73.01	73.12
27	---	---	---	81.97	72.96	75.85	74.21	72.08	73.13	73.17	73.05	73.11
28	---	---	---	82.28	74.51	78.30	74.06	72.08	73.14	73.92	72.50	73.11
29	---	---	---	77.13	73.37	75.20	73.71	71.71	72.41	73.04	72.53	72.75
30	---	---	---	77.11	73.05	75.07	73.81	71.69	72.48	74.74	72.20	72.89
31	---	---	---	76.93	73.05	75.00	---	---	---	76.65	72.20	73.28
MONTH	84.44	72.27	77.30	83.12	71.88	76.15	79.70	71.69	74.29	83.67	72.08	74.64
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	76.26	73.48	74.13	77.37	73.00	74.97	76.39	72.42	74.02	77.12	73.80	75.34</

## SANTEE RIVER BASIN

02168504 SALUDA RIVER BELOW LAKE MURRAY NEAR COLUMBIA, SC

LOCATION.--Lat 34°03'03'', long 81°12'35'', Lexington County, Hydrologic Unit Code 03050109, on left bank, approximately 1000 ft downstream from Lake Murray Dam on Saluda River, and at mile 9.7.

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

## WATER-DISCHARGE RECORDS

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

GAGE.--Data collection platform. Elevation of gage is 170 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, July 31, Aug. 1<sup>st</sup> which are fair. Flow regulated by Lake Murray (see station 02168500). City of Columbia diverted about 29 ft<sup>3</sup>/s above station for municipal supply.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7130	2360	4180	1940	3110	2790	2780	2160	1690	2500	1700	2820
2	7570	3040	2400	2500	9980	2720	3230	3090	1910	2750	1180	2870
3	7000	2370	5310	2450	11300	2810	4470	2960	2400	1850	1930	10900
4	10400	2350	8340	2760	10700	1900	3160	2940	2420	1090	1440	12700
5	7680	2750	7820	2340	11800	2350	2490	2280	1910	1370	805	8360
6	2940	3080	6000	2570	8550	4010	2880	2850	7040	2300	819	9530
7	2800	3980	6890	6740	6030	10300	2190	3340	1740	2240	719	8810
8	2920	4240	6070	5880	2970	16800	2110	3430	2480	1640	545	10200
9	2770	5920	2980	4000	2170	17400	2160	3680	2270	2270	569	10900
10	2960	5290	2720	3470	1740	14100	2520	3370	290	2100	653	6890
11	4260	5840	2880	3290	1550	11000	2990	3040	1120	2000	634	11300
12	2810	9060	3460	2830	2680	5360	2580	2870	3270	2690	557	9420
13	3310	7920	3880	2720	4000	3400	2330	1250	2190	1740	703	8170
14	2530	8520	3660	2530	2310	3040	2660	1770	1830	2130	875	6870
15	2270	8720	2830	2880	2330	5060	1870	2240	1700	1710	1160	4240
16	2630	5290	2640	2510	5750	4670	2290	2360	1060	1880	2210	11100
17	2220	5370	2690	2080	7800	4620	2400	5440	2110	1720	2780	10500
18	2600	2930	2980	1990	1590	5710	2560	6900	2170	1930	2450	2640
19	3170	2470	1980	2170	1810	10100	1140	4370	1760	1500	2360	3640
20	3040	3660	2890	2620	1840	10900	1500	2960	1740	2310	2790	3480
21	2550	2390	3440	2780	2790	5860	2550	1600	2190	2410	4350	2210
22	2370	4830	3460	4320	3810	2870	1920	1260	2830	2110	5670	3340
23	2330	2730	2950	3590	4700	1530	531	1170	4280	2870	2720	8970
24	2500	2990	3090	2960	2560	1230	483	674	1950	3000	2660	9620
25	2350	4170	2550	3410	2960	2170	490	846	1690	2280	2150	10500
26	2400	3820	3170	2940	3730	2720	366	880	2300	1940	2400	9240
27	2710	3450	2740	2600	2490	3930	937	876	1340	1900	5510	12900
28	1670	3310	3250	4310	3210	7140	909	882	1480	2140	3070	8700
29	1820	2160	2270	3820	2790	2770	556	734	1840	1670	2120	3900
30	2000	5720	1690	3330	---	2600	617	886	2140	1070	2460	10400
31	1810	---	1650	2470	---	2520	---	1180	---	1250	2940	---
TOTAL	107520	130730	112860	96800	129050	174380	59669	74288	65140	62360	62929	235120
MEAN	3468	4358	3641	3123	4450	5625	1989	2396	2171	2012	2030	7837
MAX	10400	9060	8340	6740	11800	17400	4470	6900	7040	3000	5670	12900
MIN	1670	2160	1650	1940	1550	1230	366	674	290	1070	545	2210
CFSM	1.43	1.80	1.50	1.29	1.84	2.32	.82	.99	.90	.83	.84	3.24
IN.	1.65	2.01	1.73	1.49	1.98	2.68	.92	1.14	1.00	.96	.97	3.61

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

	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	2881	2520	2866	3338	4025	4528	2439	2118
MAX	5467	4579	5773	8890	8211	7437	3937	3700
(WY)	1991	1993	1993	1993	1995	1993	1993	1994
MIN	1378	1093	370	396	718	1639	497	637
(WY)	1994	1989	1991	1989	1989	1994	1995	1990

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1989 - 1996

ANNUAL TOTAL	1310826		1310846		2981	
ANNUAL MEAN	3591		3582		4097	1993
HIGHEST ANNUAL MEAN					1895	1992
LOWEST ANNUAL MEAN					21800	Jan 16 1995
HIGHEST DAILY MEAN	21800	Jan 16	17400	Mar 9	155	* Sep 24 1989
LOWEST DAILY MEAN	330	Apr 2	290	Jun 10	168	Jan 12 1989
ANNUAL SEVEN-DAY MINIMUM	399	Apr 1	610	Apr 23	22400	Jan 16 1995
INSTANTANEOUS PEAK FLOW			22100	Mar 9	** 16.01	Feb 21 1990
INSTANTANEOUS PEAK STAGE			15.88	Mar 9	1.23	
ANNUAL RUNOFF (CFSM)	1.48		1.48		16.74	
ANNUAL RUNOFF (INCHES)	20.15		20.15		7640	
10 PERCENT EXCEEDS	8840		7990		1920	
50 PERCENT EXCEEDS	2390		2720		452	
90 PERCENT EXCEEDS	523		1240			

\* Also occurred on Sept. 25, 29, 1989.

\*\* Caused by backwater from spillway floodgates.

## SANTÉE RIVER BASIN

02168504 SALUDA RIVER BELOW LAKE MURRAY NEAR COLUMBIA, SC

## WATER-QUALITY RECORDS

LOCATION.--Lat 34°03'03'', long 81°12'35'', Lexington County, Hydrologic Unit Code 03050109, on left bank, approximately 1000 ft downstream from Lake Murray Dam on Saluda River, and at mile 9.7.

PERIOD OF RECORD.--Water years 1985 to September 1985, 1987 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1984 to September 1985, October 1987 to current year.

DISSOLVED OXYGEN: October 1987 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

REMARKS.--Records of water temperature prior to October 1984 are in files of the US Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 25.0 °C, Oct. 9, 10, Sept. 21, 1991; minimum, 6.5 °C, many days during February and March, 1985, Feb. 5, 6, 1994.

DISSOLVED OXYGEN: Maximum, 14.0 mg/L, Feb. 17, 1995; minimum, 0.1 mg/L, many days, many years.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 21.5 °C, Oct. 11; minimum, 7.5°C, Feb. 6 - 8, 21 - 24.

DISSOLVED OXYGEN: Maximum, 13.6 mg/L, Feb. 17; minimum, 0.1 mg/L, several days in Oct.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	17.0	16.0	16.5	20.5	20.0	20.5	14.5	13.5	13.5	11.0	10.5	10.5
2	17.0	16.0	16.5	21.0	20.5	20.5	14.0	13.5	13.5	10.5	10.0	10.5
3	17.0	16.0	16.5	21.0	20.5	20.5	14.5	13.5	14.0	11.0	10.0	10.5
4	19.5	16.5	17.0	21.0	20.0	20.5	14.0	13.5	13.5	11.0	10.5	10.5
5	19.0	16.5	17.5	20.5	20.0	20.5	14.0	13.5	13.5	12.0	10.5	10.5
6	17.0	16.5	17.0	20.5	20.0	20.0	14.0	13.0	13.5	10.5	10.0	10.0
7	17.5	16.5	17.0	20.0	19.5	20.0	13.5	13.0	13.5	10.5	10.0	10.0
8	17.0	17.0	17.0	20.0	19.5	19.5	13.5	13.0	13.5	10.5	9.5	10.0
9	17.5	17.0	17.0	19.5	19.0	19.5	13.5	13.0	13.0	10.5	9.5	10.0
10	17.5	17.0	17.0	19.5	19.0	19.0	13.5	13.0	13.0	9.5	9.0	9.5
11	21.5	17.0	17.5	19.0	18.5	18.5	14.0	13.0	13.5	9.5	9.0	9.0
12	17.5	17.0	17.5	18.5	18.0	18.5	13.5	13.0	13.5	9.5	9.0	9.0
13	17.5	17.5	17.5	18.0	17.5	18.0	14.0	13.0	13.5	9.5	9.0	9.0
14	18.0	17.5	17.5	17.5	17.5	17.5	13.5	13.0	13.0	9.0	8.5	9.0
15	18.0	17.5	17.5	17.5	17.5	17.5	13.5	12.5	13.0	9.5	8.5	9.0
16	18.0	17.5	17.5	17.5	17.0	17.5	13.0	12.5	12.5	9.0	8.5	8.5
17	18.0	17.5	18.0	17.0	16.5	17.0	13.0	12.5	12.5	9.0	8.5	8.5
18	18.0	17.5	18.0	16.5	16.0	16.5	13.0	12.5	12.5	9.0	8.5	8.5
19	18.5	18.0	18.0	16.5	16.0	16.0	13.0	12.0	12.5	9.5	8.5	9.0
20	18.5	18.0	18.0	16.0	15.5	16.0	13.0	12.0	12.5	10.0	9.0	9.0
21	19.0	18.0	18.5	16.0	15.0	15.5	13.5	12.0	12.5	9.0	8.5	8.5
22	19.5	18.0	18.5	15.5	14.5	15.0	12.0	11.5	12.0	9.0	8.5	8.5
23	19.0	18.5	18.5	15.5	14.0	14.5	12.5	11.5	11.5	9.0	8.5	8.5
24	19.0	18.5	18.5	14.5	14.0	14.0	12.0	11.5	11.5	9.5	8.5	9.0
25	19.0	18.5	19.0	14.5	13.5	14.0	12.0	11.5	11.5	9.5	8.5	9.0
26	19.0	18.5	19.0	15.0	13.5	14.0	11.5	11.5	11.5	9.0	8.5	8.5
27	19.0	19.0	19.0	14.5	13.5	14.0	11.5	11.0	11.5	9.0	8.5	9.0
28	19.5	19.0	19.0	14.5	13.5	13.5	11.5	11.0	11.0	9.0	8.5	9.0
29	19.5	19.0	19.5	14.0	13.5	13.5	11.5	11.0	11.0	9.0	8.5	8.5
30	20.5	19.0	20.0	14.5	13.5	13.5	11.5	10.5	11.0	9.0	8.5	8.5
31	20.0	19.5	20.0	---	---	---	11.0	10.5	10.5	9.5	8.5	8.5
MONTH	21.5	16.0	17.9	21.0	13.5	17.2	14.5	10.5	12.5	12.0	8.5	9.2





## SANTEE RIVER BASIN

02168504 SALUDA RIVER BELOW LAKE MURRAY NEAR COLUMBIA, SC--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	5.3	.8	3.1	7.8	5.9	6.3	9.8	8.8	9.6
2	---	---	---	7.6	3.0	6.2	6.3	6.0	6.2	10.0	9.3	9.7
3	.5	.2	.4	---	---	---	8.3	6.1	6.7	9.9	9.4	9.7
4	1.8	.2	.5	---	---	---	7.4	6.4	6.7	10.1	9.7	9.8
5	4.1	.2	.9	---	---	---	7.5	6.6	7.0	10.0	9.3	9.7
6	.3	.2	.2	---	---	---	8.7	6.7	7.2	10.0	9.4	9.8
7	.3	.2	.2	---	---	---	8.2	6.8	7.4	10.4	9.7	10.0
8	.3	.2	.2	---	---	---	8.0	6.6	7.2	11.5	10.1	10.5
9	.3	.1	.2	---	---	---	8.4	6.6	7.0	11.2	10.3	10.6
10	.3	.1	.2	---	---	---	7.4	6.7	7.0	11.5	10.2	10.5
11	2.7	.1	.3	---	---	---	9.6	6.7	8.0	10.7	10.3	10.5
12	.1	.1	.1	---	---	---	9.4	7.4	8.3	10.7	10.3	10.5
13	.1	.1	.1	---	---	---	10.7	8.2	9.2	10.8	10.3	10.5
14	.1	.1	.1	---	---	---	10.3	8.7	9.3	10.8	10.3	10.5
15	.3	.1	.2	---	---	---	9.0	8.6	8.8	10.7	10.3	10.5
16	1.0	.3	.4	---	---	---	9.0	8.4	8.8	10.6	10.1	10.4
17	.7	.3	.6	---	---	---	9.0	8.5	8.8	10.7	10.2	10.5
18	1.5	.7	.8	---	---	---	9.7	8.5	8.8	11.1	9.9	10.5
19	1.8	.1	.8	---	---	---	8.9	7.9	8.6	12.0	9.7	10.7
20	1.5	.3	.9	---	---	---	10.7	8.3	8.8	12.6	10.7	11.2
21	1.0	.7	.9	---	---	---	10.7	8.6	9.1	10.9	10.3	10.6
22	---	---	---	7.6	6.7	6.9	9.7	8.2	8.6	13.1	10.0	10.8
23	---	---	---	8.3	6.5	7.0	8.7	8.3	8.5	12.5	10.5	10.8
24	.6	.3	.5	6.7	6.5	6.6	8.8	8.2	8.5	12.0	9.1	10.8
25	.5	.3	.4	8.9	6.4	6.7	9.0	8.2	8.6	12.2	10.2	11.3
26	1.1	.2	.5	9.0	6.3	7.2	9.2	8.8	9.0	12.5	10.7	11.3
27	.7	.2	.4	8.7	6.2	7.2	9.5	9.2	9.3	12.7	10.8	11.6
28	1.6	.1	.6	8.2	6.0	6.2	9.8	9.3	9.5	12.1	8.3	11.0
29	1.6	.2	.7	6.2	5.8	6.1	9.9	9.4	9.6	12.0	10.8	11.2
30	3.7	.1	.9	8.4	5.8	6.3	9.9	9.1	9.5	12.1	10.8	11.0
31	2.4	.3	1.1	---	---	---	9.8	9.3	9.6	11.8	9.8	10.8
MONTH	4.1	.1	.5	9.0	.8	6.3	10.7	5.9	8.3	13.1	8.3	10.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.1	10.8	11.0	12.5	11.1	11.8	10.3	9.7	10.2	9.4	8.4	8.8
2	12.1	10.8	11.0	12.3	11.2	11.6	10.2	9.7	10.0	9.0	8.5	8.8
3	---	---	---	12.1	10.9	11.3	10.3	9.7	10.0	9.1	8.5	8.8
4	---	---	---	11.3	10.5	10.9	10.1	9.6	9.9	8.9	8.5	8.7
5	---	---	---	11.3	10.6	10.9	10.3	9.6	9.9	9.0	8.3	8.7
6	12.0	10.8	11.1	11.8	10.5	10.9	9.9	9.6	9.8	9.1	8.3	8.7
7	11.7	10.5	10.9	---	---	---	10.1	9.5	9.8	8.9	8.5	8.7
8	11.0	10.3	10.6	---	---	---	10.0	9.5	9.8	8.9	8.5	8.7
9	11.2	10.2	10.6	---	---	---	10.1	9.4	9.8	9.7	8.5	8.8
10	11.1	10.1	10.8	---	---	---	10.2	9.5	9.9	10.4	8.4	8.8
11	11.1	9.9	10.7	---	---	---	10.2	9.7	9.9	8.8	8.2	8.6
12	11.7	10.6	11.0	11.3	9.6	10.2	10.1	9.6	9.9	8.8	7.9	8.5
13	11.7	11.0	11.2	11.2	9.2	9.7	10.1	9.6	9.8	8.7	7.9	8.4
14	12.7	10.9	11.3	9.8	9.3	9.6	10.2	9.6	9.9	8.8	8.0	8.4
15	12.4	10.7	11.2	10.5	9.3	9.7	10.0	9.5	9.7	8.6	7.9	8.4
16	12.5	10.4	11.5	11.0	9.4	9.9	10.1	9.4	9.8	8.8	8.1	8.4
17	13.6	11.1	12.0	11.1	9.4	9.8	10.3	9.3	9.8	9.8	8.0	8.5
18	12.1	10.9	11.6	11.2	9.7	10.1	10.0	9.4	9.7	10.1	8.3	8.9
19	12.1	10.8	11.6	10.2	9.7	10.0	9.7	8.5	9.2	9.2	8.1	8.6
20	11.7	10.7	11.3	11.1	10.0	10.2	10.3	8.6	9.6	8.9	8.1	8.5
21	11.4	10.6	11.2	11.4	10.1	10.6	10.0	9.1	9.7	8.9	7.5	8.2
22	12.5	10.7	11.3	11.6	9.7	10.1	9.9	8.8	9.6	8.5	7.5	8.0
23	12.2	10.7	11.4	10.3	9.6	10.0	10.0	8.6	9.2	8.7	7.5	8.1
24	11.3	10.9	11.1	10.2	9.4	9.9	10.4	8.4	9.2	8.9	7.1	7.9
25	11.6	11.0	11.3	11.3	9.5	10.2	10.1	8.5	9.2	8.8	7.5	8.0
26	12.2	11.3	11.6	11.1	9.7	10.3	9.5	8.0	8.8	8.7	7.4	7.9
27	13.0	11.4	12.1	11.5	9.8	10.3	10.0	8.2	9.3	8.7	7.4	7.9
28	12.6	11.3	11.8	11.2	10.1	10.3	10.0	8.4	9.3	8.6	7.4	7.9
29	12.3	10.3	11.7	11.2	10.0	10.3	9.1	7.9	8.7	8.9	7.5	7.9
30	---	---	---	10.3	9.8	10.1	9.6	8.0	8.6	8.8	7.2	7.9
31	---	---	---	10.3	9.8	10.1	---	---	---	9.3	7.0	8.0
MONTH	13.6	9.9	11.3	12.5	9.2	10.3	10.4	7.9	9.6	10.4	7.0	8.4



SANTÉE RIVER BASIN  
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>.

WATER-DISCHARGE RECORDS

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

GAGE.--Data collection platform. Datum of gage is 149.46 ft above sea level. Prior to Sept. 1, 1929, at same site at datum 150.46 ft above mean sea level.

REMARKS.--Records good except for estimated daily discharges, Oct. 15 - 19, 21, 24, 25, 27, 28, 30, Nov. 1 - 3, 5 - 10, 15, 18, 20, 22 - 26, 30, Dec. 2 - 4, which are fair. Flow regulated by Lake Murray (see sta 02168500).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6850	2500	4590	2230	3610	3160	3460	2310	2010	2740	2010	3050
2	7300	3200	2500	2760	9330	3180	3740	3450	2050	3040	1340	3210
3	7060	2800	5800	2710	12100	3290	5190	3240	2590	1940	2220	9720
4	9810	2430	8500	3170	10600	2290	3660	3320	2820	1330	1620	12300
5	8360	2900	7720	2650	11900	2650	2970	2450	2100	1560	975	8340
6	3540	3000	6420	3030	9080	3950	3470	2960	6610	2490	1020	9130
7	2930	3900	6690	6020	6590	12600	2750	3520	2230	2480	946	8670
8	3110	4500	6920	6930	3490	16800	2580	3790	2920	1820	707	8690
9	3080	6000	3120	4400	2700	18200	2620	4010	2850	2400	721	10300
10	3020	5800	3130	3940	2040	14200	2870	3910	555	2460	788	7810
11	4390	5900	3180	3700	2020	11800	3450	3260	1020	2120	794	10700
12	3080	8710	3660	3180	2930	5770	2970	3290	3520	2950	720	9470
13	3250	8540	4090	3030	4200	4280	2780	1430	2550	1980	817	8140
14	3220	8230	4090	2930	2870	3410	3140	1910	2090	2280	1020	6740
15	2360	8600	3150	3110	2840	5290	2290	2480	1990	1930	1180	4490
16	2700	5730	3150	3010	5120	5470	2700	2640	1290	2190	2460	10100
17	2320	5700	2910	2280	8910	5060	2900	5360	2260	2080	2840	10400
18	2700	3200	3310	2340	1980	6040	2900	7100	2420	2050	2720	3080
19	3260	2630	2590	2680	2180	9580	1780	4440	1880	1720	2530	3810
20	3300	4000	2930	3120	2200	11800	1640	3270	1950	2430	3010	3680
21	2700	2420	3850	3140	3190	6160	3090	2130	2380	2740	4340	2450
22	2460	5200	3960	4680	4070	3760	2390	1510	3100	2360	5680	3600
23	2570	3000	3140	3920	5220	1840	893	1370	4370	2970	2880	8540
24	2650	3500	3410	3220	3060	1580	736	917	2380	3150	2950	9240
25	2500	4500	3020	3710	3480	2490	734	970	1850	2690	2480	10100
26	2450	4300	3420	3340	4070	3250	667	1140	2440	2310	2990	8650
27	3000	3620	3150	3300	2880	3880	1180	1140	1670	2010	5480	12000
28	2300	3550	3550	4640	3690	7940	1080	1250	1590	2440	3410	8890
29	2000	2360	2640	4310	3270	3690	877	1000	1970	1880	2340	4210
30	2100	6500	2100	3880	---	3290	1220	1180	2460	1260	2670	9740
31	2030	---	1840	3150	---	2970	---	1060	---	1440	3020	---
TOTAL	112400	137220	122530	108510	139620	189670	72727	81807	71915	69240	68678	229250
MEAN	3626	4574	3953	3500	4814	6118	2424	2639	2397	2234	2215	7642
MAX	9810	8710	8500	6930	12100	18200	5190	7100	6610	3150	5680	12300
MIN	2000	2360	1840	2230	1980	1580	667	917	555	1260	707	2450
CFSM	1.44	1.82	1.57	1.39	1.91	2.43	.96	1.05	.95	.89	.88	3.03
IN.	1.66	2.03	1.81	1.60	2.06	2.80	1.07	1.21	1.06	1.02	1.01	3.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 1996, BY WATER YEAR (WY)

	MEAN	2943	2587	2593	3061	3268	3329	3062	2260	2568	2703	3069	2989
MAX	20230	6552	7006	9255	8657	18450	20450	7823	8300	5276	14400	8937	
(WY)	1930	1986	1977	1982	1960	1929	1936	1929	1965	1937	1928	1928	
MIN	124	94.5	350	462	248	155	196	60.3	50.2	49.8	43.3	66.4	
(WY)	1931	1931	1956	1989	1940	1938	1930	1930	1930	1930	1930	1930	

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1925 - 1996

ANNUAL TOTAL	1375008	1403567	
ANNUAL MEAN	3767	3835	2870
HIGHEST ANNUAL MEAN			5431
LOWEST ANNUAL MEAN			815
HIGHEST DAILY MEAN	20700	Jan 16	62300
LOWEST DAILY MEAN	516	Apr 3	12
ANNUAL SEVEN-DAY MINIMUM	590	Apr 2	21
INSTANTANEOUS PEAK FLOW			22300
INSTANTANEOUS PEAK STAGE			8.63
INSTANTANEOUS LOW FLOW			444
ANNUAL RUNOFF (CFSM)	1.49	1.52	1.14
ANNUAL RUNOFF (INCHES)	20.30	20.72	15.47
10 PERCENT EXCEEDS	8640	8350	6340
50 PERCENT EXCEEDS	2620	3030	2000
90 PERCENT EXCEEDS	678	1490	401

\* From rating curve extended above 36000 ft<sup>3</sup>/s.

SANTEE RIVER BASIN  
02169000 SALUDA RIVER NEAR COLUMBIA, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1987 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 29.5°C, June 15, 1989; minimum, 6.5°C, Jan. 27, Feb. 13, 1988.

DISSOLVED OXYGEN: July 1987 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 29.5°C, June 15, 1989; minimum, 6.5°C, Jan. 27, Feb. 13, 1988.

DISSOLVED OXYGEN: Maximum, 14.4 mg/L, Feb. 28, 1994; minimum, 1.5 mg/L, Aug. 31, 1989.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 22.0°C, June 11; minimum, 8.0°C, several days Feb., Mar.

DISSOLVED OXYGEN: Maximum, 12.5 mg/L, Jan. 26, Apr. 17; minimum, 2.0 mg/L, Sept. 14, 27.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19.0	17.0	18.0	21.0	20.0	20.5	15.0	14.0	14.5	11.5	11.0	11.0
2	19.0	17.0	18.0	21.5	20.5	21.0	14.5	13.5	14.0	11.0	11.0	11.0
3	19.5	17.5	18.5	21.5	21.0	21.0	15.0	13.5	14.0	11.0	10.5	11.0
4	19.5	17.5	18.5	21.0	20.0	20.5	15.0	14.0	14.5	11.0	10.5	10.5
5	20.5	18.5	19.5	20.0	19.5	20.0	14.5	14.0	14.5	11.5	10.5	10.5
6	20.5	18.0	19.0	21.0	20.0	20.0	14.5	14.0	14.5	10.5	10.0	10.5
7	19.0	18.0	18.5	20.5	20.0	20.0	14.0	13.5	14.0	10.5	9.5	10.0
8	19.0	17.5	18.0	20.0	19.5	20.0	14.0	13.5	14.0	10.0	9.5	9.5
9	19.0	17.5	18.0	20.0	19.0	19.5	14.0	13.0	13.5	10.5	9.5	10.0
10	19.0	18.0	18.5	20.0	19.0	19.5	14.0	13.0	13.5	10.0	9.5	9.5
11	20.5	18.0	18.5	19.0	18.5	19.0	13.5	12.5	13.0	9.5	9.0	9.5
12	19.0	18.5	18.5	19.0	18.0	18.5	14.0	13.0	13.5	9.5	9.0	9.0
13	19.0	18.5	18.5	18.5	18.0	18.5	14.0	13.0	13.5	9.5	8.5	9.0
14	19.5	18.5	19.0	18.5	18.0	18.0	14.0	13.0	13.5	10.0	8.5	9.5
15	19.5	18.5	19.0	18.0	17.5	18.0	14.0	13.0	13.5	10.0	9.0	9.5
16	19.5	18.0	18.5	18.0	17.0	17.5	13.5	13.0	13.5	9.0	9.0	9.0
17	19.0	18.0	18.5	17.5	17.0	17.0	13.5	12.5	13.0	9.5	9.0	9.0
18	19.0	18.0	18.5	17.0	16.5	17.0	13.0	12.5	13.0	10.0	9.0	9.5
19	19.5	18.0	19.0	17.0	16.0	16.5	13.0	12.5	12.5	10.5	9.0	10.0
20	19.5	18.5	19.0	17.0	16.0	16.5	13.0	12.0	12.5	9.5	9.0	9.0
21	19.5	18.5	19.0	16.5	15.5	16.0	12.5	12.0	12.0	9.5	8.5	9.0
22	19.5	18.0	19.0	16.0	15.0	15.5	12.0	11.5	12.0	9.0	8.5	9.0
23	20.0	18.5	19.0	16.0	14.5	15.0	12.0	11.5	11.5	9.5	8.5	9.0
24	20.5	19.0	19.5	15.0	14.5	14.5	12.0	11.5	11.5	9.5	9.0	9.0
25	20.0	19.5	19.5	15.0	14.0	14.5	12.0	11.0	11.5	9.5	8.5	9.0
26	20.5	19.0	19.5	15.5	14.0	15.0	11.5	11.0	11.5	9.5	8.5	9.0
27	20.5	19.5	20.0	15.0	14.0	14.5	12.0	11.0	11.5	10.0	9.0	9.5
28	20.5	19.5	20.0	16.0	14.5	15.0	11.5	10.5	11.0	9.5	8.5	9.0
29	20.0	18.5	19.5	14.5	14.0	14.5	11.5	10.5	11.0	9.0	8.5	9.0
30	20.5	19.0	19.5	15.0	13.5	14.5	11.5	10.0	11.0	9.5	8.5	9.0
31	20.0	20.0	20.0	---	---	---	11.5	11.0	11.0	10.0	9.0	9.5
MONTH	20.5	17.0	18.9	21.5	13.5	17.6	15.0	10.0	12.8	11.5	8.5	9.6



## SANTÉE RIVER BASIN

02169000 SALUDA RIVER NEAR COLUMBIA, SC--Continued

TEMPERATURE, WATER (°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	9.0	8.5	9.0	9.5	8.5	9.0	11.5	10.5	11.0	16.5	12.0	14.5
2	8.5	8.5	8.5	9.5	8.0	9.0	12.0	10.5	11.0	13.5	11.5	12.5
3	8.5	8.0	8.5	10.0	8.0	8.5	11.5	10.0	11.0	13.5	11.5	12.5
4	8.5	8.0	8.5	10.0	8.0	9.0	12.0	10.5	11.0	13.5	12.0	12.5
5	8.5	8.0	8.5	10.0	8.0	9.0	12.5	11.0	11.5	14.0	12.0	13.0
6	8.5	8.0	8.0	9.5	8.5	9.0	11.5	10.5	10.5	14.0	12.0	13.0
7	8.5	8.0	8.0	12.0	8.5	10.0	12.5	10.0	11.5	13.0	12.0	12.5
8	9.0	8.0	8.5	10.0	9.5	10.0	12.0	10.5	11.0	13.5	12.0	12.5
9	10.0	8.5	9.0	10.0	9.5	9.5	12.0	10.5	11.5	13.5	12.0	12.5
10	9.5	8.0	9.0	9.5	9.0	9.5	12.0	10.0	11.0	13.5	12.0	13.0
11	10.0	8.5	9.5	10.0	9.0	9.5	---	---	---	13.5	12.5	13.0
12	9.5	8.0	9.0	10.5	8.5	9.5	---	---	---	13.5	12.5	12.5
13	9.5	8.0	8.5	11.0	9.0	10.0	---	---	---	13.5	12.0	12.5
14	9.5	8.0	9.0	11.0	8.5	9.5	---	---	---	14.5	12.0	13.0
15	9.5	9.0	9.0	10.5	9.0	10.0	---	---	---	13.0	12.0	12.5
16	9.5	8.5	8.5	11.0	9.5	10.0	13.0	10.5	12.0	14.0	12.5	13.0
17	9.5	8.5	9.0	10.5	9.5	10.0	13.0	10.5	12.0	14.0	12.5	13.0
18	9.5	8.0	9.0	10.5	10.0	10.0	13.0	11.0	12.0	13.5	13.0	13.0
19	9.5	8.0	9.0	11.0	9.5	10.5	12.5	11.0	11.5	14.0	12.5	13.0
20	9.5	9.0	9.0	11.0	10.5	10.5	14.5	12.5	13.5	14.5	12.5	13.5
21	9.5	8.5	9.0	11.0	10.0	10.5	14.5	11.5	12.5	16.0	12.5	14.0
22	9.0	8.0	8.5	11.5	10.0	10.5	14.5	11.5	13.0	16.0	14.0	15.0
23	9.0	8.0	8.5	12.0	10.0	11.0	15.5	13.5	14.0	16.0	14.0	15.5
24	10.0	8.0	9.0	12.5	10.0	11.0	16.5	15.0	15.5	17.0	16.0	16.5
25	9.5	8.0	8.5	12.5	10.5	11.0	16.0	14.5	15.5	17.5	16.0	17.0
26	10.0	8.5	9.0	12.0	10.5	11.0	16.0	15.0	15.5	18.0	16.0	16.5
27	10.0	8.5	9.0	11.0	10.0	10.5	15.5	15.0	15.0	17.5	16.0	17.0
28	9.0	9.0	9.0	10.5	10.0	10.0	15.5	14.0	15.0	18.0	16.5	17.0
29	9.5	8.5	9.0	11.5	10.0	10.5	15.5	14.0	14.5	17.0	16.0	16.5
30	---	---	---	11.5	10.5	11.0	17.0	14.5	16.5	17.0	14.5	15.5
31	---	---	---	11.0	10.5	11.0	---	---	---	18.0	15.0	16.5
MONTH	10.0	8.0	8.8	12.5	8.0	10.0	17.0	10.0	12.8	18.0	11.5	14.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	16.5	12.5	14.0	15.5	14.5	15.0	17.5	16.0	16.5	17.0	15.5	16.0
2	15.5	13.0	14.5	15.5	14.5	15.0	17.5	16.5	17.0	17.0	15.5	16.0
3	14.5	12.5	13.5	17.0	14.5	15.5	18.5	16.0	17.0	17.0	15.5	16.5
4	15.0	13.0	14.0	17.0	14.5	16.0	17.5	16.0	16.5	17.0	16.0	16.5
5	15.0	13.5	14.5	17.0	14.5	15.5	18.5	16.5	17.5	17.5	16.0	17.0
6	15.0	13.0	14.0	15.5	14.5	15.0	18.5	17.5	18.0	18.5	17.0	17.5
7	15.5	13.0	14.5	16.0	14.0	15.0	18.5	18.0	18.5	18.0	16.5	17.0
8	16.5	13.5	15.0	16.5	14.5	15.5	20.0	18.0	19.0	17.5	16.5	17.0
9	16.0	14.0	15.0	16.0	14.5	15.5	20.0	18.5	19.0	17.5	17.0	17.5
10	18.0	14.0	15.5	16.0	14.5	15.5	19.5	18.0	18.5	19.0	16.5	17.5
11	22.0	15.5	19.5	16.0	15.0	15.5	19.5	18.5	19.0	17.5	16.5	17.5
12	15.5	14.0	14.5	16.0	14.5	15.0	19.5	19.0	19.0	18.5	17.0	17.5
13	16.5	14.0	15.0	16.5	14.5	15.5	20.5	19.0	19.5	18.5	17.0	18.0
14	15.5	14.0	14.5	16.5	15.0	15.5	20.0	18.5	19.5	19.0	17.0	18.0
15	16.0	14.5	15.0	17.0	15.0	16.0	19.5	17.5	18.5	18.5	16.5	17.0
16	16.5	16.0	16.5	17.0	15.0	16.0	18.0	15.0	16.0	18.5	16.5	18.0
17	16.5	14.0	15.5	17.5	15.5	16.5	17.0	15.5	16.5	19.5	17.0	18.5
18	15.5	14.0	14.5	17.5	15.5	17.0	17.0	15.0	16.0	19.5	17.0	18.0
19	15.5	14.5	15.0	18.5	15.0	16.5	17.0	15.5	16.5	17.5	16.5	17.0
20	16.0	14.5	15.0	18.5	15.0	16.5	17.0	15.5	16.0	17.5	16.5	17.0
21	16.0	14.0	15.0	17.0	15.0	16.0	16.5	15.5	16.0	17.5	16.5	17.0
22	15.5	14.0	14.5	17.0	15.0	16.0	16.5	15.5	16.0	18.0	17.0	17.5
23	15.0	13.5	14.5	17.0	15.0	16.0	16.5	16.0	16.0	19.5	16.5	18.0
24	16.5	13.5	15.0	16.5	15.0	15.5	17.0	15.5	16.0	19.5	18.0	19.0
25	17.0	15.0	16.0	17.0	15.0	16.0	17.5	16.0	16.5	19.5	18.0	19.0
26	16.5	14.0	15.0	17.0	15.0	16.0	19.0	16.5	17.5	19.5	17.5	18.5
27	17.0	14.5	15.5	16.5	15.5	16.0	17.5	16.0	16.5	19.5	17.5	19.0
28	16.5	15.0	16.0	16.5	15.5	16.0	16.5	15.5	16.0	21.0	18.0	19.5
29	16.0	14.0	15.5	17.0	15.5	16.0	18.0	15.5	16.5	21.0	17.5	18.5
30	15.5	14.0	15.0	18.0	16.5	17.0	17.0	15.5	16.5	20.0	17.0	18.5
31	---	---	---	18.0	17.5	17.5	17.0	15.5	16.0	---	---	---
MONTH	22.0	12.5	15.0	18.5	14.0	15.9	20.5	15.0	17.2	21.0	15.5	17.6
YEAR	22.0	8.0	14.2									

## SANTEE RIVER BASIN

02169000 SALUDA RIVER NEAR COLUMBIA, SC--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	4.8	2.9	3.9	6.2	4.8	5.4	9.6	8.5	8.8	10.3	9.6	9.9
2	5.3	2.6	3.8	6.9	5.8	6.3	8.8	8.4	8.6	10.1	9.6	9.8
3	4.3	2.5	3.6	7.2	6.7	7.0	9.4	8.2	8.7	10.7	9.6	10.0
4	4.2	2.5	3.4	7.8	6.9	7.4	9.3	8.3	8.8	11.0	9.8	10.3
5	5.1	2.8	4.0	7.8	7.3	7.6	9.4	8.6	8.9	11.2	9.9	10.4
6	5.3	3.6	4.3	7.9	7.3	7.6	9.8	8.9	9.2	10.7	9.9	10.1
7	4.7	3.7	4.1	7.9	7.4	7.6	9.8	8.9	9.3	11.0	9.8	10.0
8	4.6	3.8	4.1	8.0	7.4	7.7	9.8	8.7	9.3	11.7	11.0	11.4
9	4.5	3.8	4.1	8.2	7.5	7.7	9.5	9.0	9.3	12.1	11.1	11.5
10	4.9	3.3	4.2	8.4	7.6	8.0	9.9	9.3	9.5	12.0	10.9	11.3
11	5.8	2.4	3.8	8.6	8.0	8.2	---	---	---	11.6	10.8	11.1
12	4.2	2.8	3.8	9.3	8.0	8.8	---	---	---	11.5	10.8	11.1
13	4.2	3.3	3.7	9.6	8.6	8.9	---	---	---	11.8	10.8	11.2
14	4.4	3.2	3.7	9.2	8.6	8.8	---	---	---	11.8	10.8	11.2
15	5.1	3.7	4.6	9.2	8.6	8.9	9.8	9.1	9.5	11.7	10.7	11.1
16	5.4	3.6	4.3	9.8	8.7	9.1	9.4	9.0	9.2	11.4	10.6	11.0
17	5.3	3.6	4.4	9.5	8.7	9.0	9.8	9.1	9.4	11.7	10.6	11.0
18	5.0	3.6	4.1	9.4	8.6	8.9	9.5	9.1	9.3	11.4	10.5	10.9
19	4.3	3.4	3.7	9.3	8.6	8.9	9.5	9.1	9.2	10.9	10.2	10.6
20	4.2	3.2	3.7	8.9	8.4	8.7	9.7	9.0	9.3	12.2	10.8	11.6
21	4.9	3.6	4.2	8.7	8.1	8.4	9.9	9.1	9.6	11.8	10.8	11.3
22	5.3	3.8	4.4	8.5	7.3	8.1	9.9	9.0	9.6	11.3	10.7	10.9
23	5.0	3.6	4.2	9.1	7.9	8.3	10.0	9.0	9.3	11.6	10.7	11.1
24	5.3	3.5	4.0	8.9	8.4	8.6	9.8	9.0	9.3	11.6	10.8	11.3
25	4.9	3.5	4.0	8.9	8.1	8.5	10.2	9.1	9.6	12.4	11.2	11.7
26	5.0	3.5	4.1	8.9	8.2	8.5	10.4	9.1	9.8	12.5	11.2	11.8
27	5.1	3.5	3.8	9.2	6.9	8.7	10.5	9.5	9.9	11.8	10.9	11.4
28	5.2	4.4	4.8	9.7	7.9	8.5	10.6	9.6	10.0	11.9	11.0	11.5
29	5.6	4.7	5.3	8.4	7.9	8.1	10.9	9.7	10.2	11.7	11.0	11.4
30	5.8	4.0	5.0	8.9	7.0	8.3	11.0	9.8	10.2	11.7	10.9	11.3
31	5.6	4.0	5.0	---	---	---	10.4	9.5	9.9	11.1	10.6	10.8
MONTH	5.8	2.4	4.1	9.8	4.8	8.1	11.0	8.2	9.4	12.5	9.6	11.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.5	10.7	11.0	12.0	10.4	11.1	9.9	9.0	9.4	10.9	7.8	9.3
2	11.1	10.8	10.9	12.0	10.1	11.0	10.1	9.0	9.5	10.5	9.3	9.8
3	11.2	10.8	11.0	12.0	10.2	11.0	9.9	9.2	9.5	10.5	9.4	9.8
4	11.4	10.9	11.2	12.2	9.9	10.9	9.9	8.5	9.1	10.3	9.3	9.7
5	11.5	11.1	11.2	11.5	9.7	10.5	10.5	8.8	9.5	10.6	9.4	9.9
6	11.7	11.1	11.3	10.5	9.6	10.0	9.3	9.0	9.1	10.7	9.3	9.9
7	11.6	11.0	11.4	10.4	9.3	9.9	---	---	---	10.4	9.4	9.8
8	11.7	11.0	11.2	11.1	10.3	10.8	---	---	---	10.6	9.5	9.9
9	11.8	10.8	11.2	11.2	10.7	10.9	12.0	10.0	10.9	10.7	9.6	10.1
10	11.9	10.8	11.3	11.0	10.7	10.8	---	---	---	11.3	10.0	10.5
11	11.8	10.6	11.1	11.4	10.6	10.9	---	---	---	10.3	9.4	10.0
12	11.8	10.6	11.2	11.5	10.6	11.0	---	---	---	10.4	9.3	9.8
13	12.0	10.9	11.3	11.5	10.5	11.0	---	---	---	11.3	9.4	10.1
14	12.0	10.6	11.3	11.2	10.2	10.6	---	---	---	11.5	9.4	10.2
15	11.2	10.4	10.7	11.0	10.1	10.4	---	---	---	10.4	9.3	9.8
16	11.0	9.7	10.3	11.4	10.3	10.7	12.4	10.0	11.1	10.9	9.4	10.0
17	10.9	9.5	10.1	10.5	9.9	10.2	12.5	10.2	11.1	10.5	9.2	9.6
18	11.3	9.1	10.2	10.9	10.1	10.4	12.2	9.9	10.9	10.8	9.1	9.6
19	11.9	9.2	10.7	10.8	10.4	10.5	11.5	9.9	10.6	10.8	9.2	10.1
20	11.9	10.6	11.4	10.9	10.4	10.5	12.4	9.7	10.9	11.0	9.3	10.2
21	11.7	10.4	11.0	11.5	10.3	10.8	11.9	9.8	10.6	11.3	9.3	10.4
22	11.5	10.3	10.8	11.7	10.3	11.0	12.2	9.7	10.8	10.8	9.0	9.9
23	11.7	10.3	10.9	11.9	10.3	11.0	12.0	9.4	10.6	11.3	9.1	10.1
24	11.8	10.2	10.9	12.2	10.3	11.1	11.9	9.4	10.6	11.3	9.0	10.1
25	11.7	10.2	10.8	11.3	10.1	10.7	12.2	9.7	10.8	10.9	8.8	9.9
26	11.7	10.2	10.8	12.4	10.5	11.1	11.1	9.4	9.9	10.9	8.9	9.8
27	12.3	10.4	11.1	11.3	10.4	10.8	11.8	8.5	10.1	10.7	8.5	9.5
28	10.9	10.4	10.7	10.8	9.9	10.4	11.7	9.3	10.4	9.7	8.2	8.9
29	12.1	10.5	11.0	11.0	9.6	10.2	10.3	9.1	9.7	10.4	8.5	9.2
30	---	---	---	10.3	9.4	9.8	9.7	7.7	8.1	10.0	8.5	9.2
31	---	---	---	10.1	9.1	9.5	---	---	---	10.7	8.8	9.6
MONTH	12.3	9.1	11.0	12.4	9.1	10.6	12.5	7.7	10.1	11.5	7.8	9.8



SANTEE RIVER BASIN  
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 recorder and data collection platform. Datum of gage is 113.02 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, Apr. 4 - 8, July 2, 3, Aug. 2, 3, 5, 8, 9, 11 - 13, 17 - 21, 25, 29, Sept. 21, which are poor. Flow regulated by Lake Murray (see sta 02168500) on the Saluda River and to some extent, at low and medium flow, by powerplants on the Broad River. City of Columbia diverted about 74 ft<sup>3</sup>/s above station for municipal supply.

EXTREMES 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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8510	7160	10000	6770	15900	8270	12300	22500	7060	4790	3570	6760
2	8850	8660	6690	7530	18000	10200	15700	13000	5250	5200	3600	6720
3	9230	11100	9910	7300	44300	9830	16200	10200	5790	5500	4100	9490
4	12800	12600	12800	8350	66100	7760	17000	9230	5290	2330	5150	13100
5	26600	12200	12700	9670	57500	8180	15000	6110	5090	2830	5200	11100
6	23300	10300	11000	8630	38500	8880	14200	5900	8090	3800	5130	13200
7	26600	10200	10300	11900	18900	38200	13600	5340	4470	3570	5050	12500
8	18500	12600	12300	14100	13200	55000	6830	6520	5910	3310	4300	13400
9	11200	28000	7810	10700	15400	51100	6450	9250	8250	3560	4100	13200
10	11000	20700	7690	9310	11200	38300	7500	8230	4650	3690	4590	12300
11	11600	15100	11200	11000	8230	25500	7660	5790	6390	3450	4000	12300
12	7610	28900	9820	10900	12300	14100	7120	6110	8150	5150	3400	10900
13	7310	37600	9620	8530	9900	8600	6510	4690	5690	5120	4500	7830
14	7340	34500	8670	8480	9300	8440	7120	5010	5220	4930	6510	6900
15	7250	21700	7460	8640	10200	8900	6700	5520	4930	2390	9770	6570
16	16900	14600	7410	8230	13200	11300	7820	5690	3900	2980	8650	11200
17	12700	11600	9060	8210	14100	11300	6290	7810	5250	4900	6100	12100
18	8830	8330	9490	9500	7830	11700	6450	9270	7160	6470	5800	7130
19	9480	9430	7480	9600	10200	16700	5170	6720	6280	3670	5000	7320
20	8990	10900	8700	22400	8610	30900	5310	6070	4710	3200	4500	7080
21	6730	9530	9790	23500	9630	22800	9250	4470	3850	3830	5000	4700
22	6500	11000	9860	22000	11200	15000	9270	4720	5890	3790	7770	4910
23	6720	7190	9330	13700	13000	12300	6310	4580	7080	4260	4870	8800
24	6740	7110	9340	11100	10500	7230	6190	3760	5190	5600	4380	9140
25	6680	8380	8610	12000	10600	7240	4450	3280	3980	5300	5000	10800
26	6570	13100	8660	11800	12800	8110	4960	4360	4520	4890	5860	9670
27	7260	10200	8150	13800	9940	6790	6550	6660	3160	2840	7480	11900
28	6900	11900	7080	36200	9540	18300	5280	10600	2750	4090	5340	10200
29	7910	8410	7080	47700	8820	10400	4550	4480	4370	4720	6000	5110
30	11200	10200	6590	33600	---	15500	12700	4590	4150	4310	6350	9300
31	8420	---	6330	20700	---	11700	---	8860	---	3120	6820	---
TOTAL	336230	423200	280930	445850	498900	518530	260440	219320	162470	127590	167890	285630
MEAN	10850	14110	9062	14380	17200	16730	8681	7075	5416	4116	5416	9521
MAX	26600	37600	12800	47700	66100	55000	17000	22500	8250	6470	9770	13400
MIN	6500	7110	6330	6770	7830	6790	4450	3280	2750	2330	3400	4700
CFSM	1.38	1.80	1.15	1.83	2.19	2.13	1.11	.90	.69	.52	.69	1.21
IN.	1.59	2.01	1.33	2.11	2.36	2.46	1.23	1.04	.77	.60	.80	1.35

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

	MEAN	7455	7380	8967	12040	13230	14510	11630	8039	7243	6797	7374	6460
MAX	33460	18960	21660	28430	34910	30700	27670	18080	18730	16730	18650	19250	19250
(WY)	1965	1993	1977	1993	1960	1975	1964	1984	1973	1941	1949	1945	1945
MIN	1962	2461	1945	2967	4290	4074	3938	3285	2225	2002	2094	2203	2203
(WY)	1955	1955	1956	1956	1941	1955	1967	1988	1988	1986	1988	1955	1955

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1940 - 1996
ANNUAL TOTAL	4211250	3726980	
ANNUAL MEAN	11540	10180	9242
HIGHEST ANNUAL MEAN			15130
LOWEST ANNUAL MEAN			4178
HIGHEST DAILY MEAN	113000	Jan 17	66100
LOWEST DAILY MEAN	2360	Apr 30	2330
ANNUAL SEVEN-DAY MINIMUM	4030	May 23	3300
INSTANTANEOUS PEAK FLOW			74900
INSTANTANEOUS PEAK STAGE			20.97
INSTANTANEOUS LOW FLOW			1130
ANNUAL RUNOFF (CFSM)	1.47	1.30	1.18
ANNUAL RUNOFF (INCHES)	19.96	17.66	16.00
10 PERCENT EXCEEDS	20000	16000	16500
50 PERCENT EXCEEDS	7460	8240	6810
90 PERCENT EXCEEDS	4500	4380	3170

Santee River Basin  
02169570 GILLS CREEK AT COLUMBIA, SC

LOCATION.--Lat 33°59'22'', long 80°58'28'', Richland County, Hydrologic Unit 03050110, at left bank, downstream side of bridge on U.S. Highways 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), October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.38 ft above sea level. Apr. 1, 1964 to Aug. 6, 1966, crest-stage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, Nov. 26 to Dec. 5, Mar. 7 - 12, May 28, which are poor. Some possible interruption of natural flow by private lakes upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	70	49	65	115	31	175	88	56	15	26	17
2	30	92	48	58	123	28	134	63	48	14	86	19
3	28	120	47	57	148	27	97	52	40	12	105	21
4	477	82	46	91	118	25	80	45	43	11	65	49
5	417	64	45	120	112	25	69	40	58	13	52	63
6	187	57	44	119	110	44	96	37	43	17	137	38
7	122	87	90	125	70	696	94	36	35	16	76	25
8	87	100	72	105	12	351	74	35	48	17	42	20
9	63	71	92	115	12	190	67	32	58	18	36	15
10	24	61	77	101	14	131	64	29	41	17	32	12
11	33	129	64	78	27	101	58	27	33	16	28	34
12	42	189	59	82	43	92	65	26	32	24	28	46
13	42	128	55	77	49	83	57	24	55	28	56	52
14	69	90	52	74	48	73	63	23	31	23	161	36
15	93	79	50	76	47	97	61	22	27	35	61	27
16	66	68	50	86	47	114	56	22	24	120	39	33
17	53	62	47	93	44	98	49	22	31	86	31	37
18	45	58	47	94	50	92	43	21	31	40	28	30
19	41	55	121	96	69	107	42	21	22	31	24	26
20	39	54	102	77	50	93	44	21	20	25	22	23
21	38	52	60	66	40	77	44	20	23	22	20	94
22	35	50	55	61	34	66	44	19	23	19	19	344
23	33	48	58	59	32	59	45	18	23	32	29	115
24	31	55	55	61	30	55	44	13	25	46	27	65
25	30	63	52	59	28	53	38	10	23	28	30	44
26	29	58	50	57	27	58	51	119	23	26	33	33
27	66	56	48	155	27	60	58	404	21	51	25	40
28	258	54	48	120	38	215	50	445	19	42	35	37
29	105	53	47	114	38	165	46	180	18	26	34	37
30	68	51	46	117	---	116	143	117	16	22	23	69
31	68	---	51	122	---	99	---	53	---	22	20	---
TOTAL	2752	2256	1827	2780	1602	3521	2051	2084	990	914	1430	1501
MEAN	88.8	75.2	58.9	89.7	55.2	114	68.4	67.2	33.0	29.5	46.1	50.0
MAX	477	189	121	155	148	696	175	445	58	120	161	344
MIN	24	48	44	57	12	25	38	10	16	11	19	12
CFSM	1.49	1.26	.99	1.50	.93	1.91	1.15	1.13	.55	.49	.77	.84
IN.	1.72	1.41	1.14	1.74	1.00	2.20	1.28	1.30	.62	.57	.89	.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1996, BY WATER YEAR (WY)

	MEAN	54.1	62.8	80.2	119	109	115	78.8	56.7	62.1	64.7	68.5	50.9
MAX	241	142	200	312	228	244	192	182	196	174	261	141	
(WY)	1991	1987	1977	1993	1979	1971	1983	1991	1995	1975	1986	1987	
MIN	10.9	15.8	33.2	42.1	37.6	22.7	12.9	6.06	13.0	15.7	3.89	12.5	
(WY)	1979	1979	1989	1981	1986	1985	1986	1986	1986	1980	1983	1984	

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1967 - 1996
ANNUAL TOTAL	33654	23708	
ANNUAL MEAN	92.2	64.8	76.7
HIGHEST ANNUAL MEAN			130
LOWEST ANNUAL MEAN			44.7
HIGHEST DAILY MEAN	776	696	1730
LOWEST DAILY MEAN	14	10	1.6
ANNUAL SEVEN-DAY MINIMUM	16	14	1.9
INSTANTANEOUS PEAK FLOW		1310	2410
INSTANTANEOUS PEAK STAGE		7.32	9.33
ANNUAL RUNOFF (CFSM)	1.55	1.09	1.29
ANNUAL RUNOFF (INCHES)	21.01	14.80	17.49
10 PERCENT EXCEEDS	200	117	153
50 PERCENT EXCEEDS	52	49	49
90 PERCENT EXCEEDS	24	21	16



Santee River Basin  
02169570 GILLS CREEK AT COLUMBIA, SC--Continued  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1996 to current.

PERIOD OF DAILY RECORD.--April 1996 to September 1996.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 95 microsiemens, June 9, 1996; minimum, 22 microsiemens, July 16, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 95 microsiemens, June 9; minimum, 22 microsiemens, July 16.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	47	42	44
2	---	---	---	---	---	---	---	---	---	48	45	47
3	---	---	---	---	---	---	---	---	---	59	45	49
4	---	---	---	---	---	---	---	---	---	53	47	49
5	---	---	---	---	---	---	---	---	---	50	48	49
6	---	---	---	---	---	---	---	---	---	51	48	50
7	---	---	---	---	---	---	---	---	---	53	49	51
8	---	---	---	---	---	---	---	---	---	53	51	52
9	---	---	---	---	---	---	---	---	---	57	52	54
10	---	---	---	---	---	---	---	---	---	61	54	58
11	---	---	---	---	---	---	---	---	---	61	57	59
12	---	---	---	---	---	---	---	---	---	60	57	58
13	---	---	---	---	---	---	46	43	44	60	56	58
14	---	---	---	---	---	---	47	43	45	61	55	59
15	---	---	---	---	---	---	47	44	45	60	56	58
16	---	---	---	---	---	---	46	44	45	59	56	57
17	---	---	---	---	---	---	46	43	44	61	55	58
18	---	---	---	---	---	---	47	43	45	61	54	58
19	---	---	---	---	---	---	47	45	46	60	56	58
20	---	---	---	---	---	---	47	44	46	61	51	58
21	---	---	---	---	---	---	47	45	46	60	50	55
22	---	---	---	---	---	---	47	45	46	65	55	58
23	---	---	---	---	---	---	49	45	46	62	53	58
24	---	---	---	---	---	---	47	45	46	66	55	60
25	---	---	---	---	---	---	48	46	47	66	57	62
26	---	---	---	---	---	---	50	42	48	64	37	58
27	---	---	---	---	---	---	49	45	47	55	30	49
28	---	---	---	---	---	---	48	45	47	42	40	41
29	---	---	---	---	---	---	49	44	47	43	41	42
30	---	---	---	---	---	---	49	37	44	43	40	41
31	---	---	---	---	---	---	---	---	---	43	41	42
MONTH	---	---	---	---	---	---	50	37	46	66	30	53



## SANTEE RIVER BASIN

02169625 CONGAREE RIVER WEST OF WISE LAKE NEAR GADSDEN, SC

LOCATION.--Lat 33°48'38'', long 80°52'02'', Richland County, Hydrologic Unit 03050110, on left bank at the southwest boundary of the Congaree Swamp National Monument, and at mile 150.7.

DRAINAGE AREA.--8,290 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--April 1981 to September 1986, daily mean discharge; October 1986 to September 1987, daily mean gage-height; May 1993 to September 1994, daily mean discharge; October 1994 to September 1995, daily mean gage-height.

GAGE.--Data collection platform. Datum of gage is 90.84 ft above sea level.

REMARKS.--Flow regulated by Lake Murray (see sta 02168500) on the Saluda River, and to some extent, at low and medium flow, by powerplants on the Broad River. Above about 25,000 ft<sup>3</sup>/s, bankfull capacity is exceeded, and flow spills into the flood plain. Therefore, daily mean discharge records above 25,000 ft<sup>3</sup>/s, are rated poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, unknown, Jan. 18, 1995, gage height, 18.41 ft (from floodmarks); minimum daily, 1200 ft<sup>3</sup>/s, Sept. 21, 1981, Oct. 18, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.78 ft, Feb. 5; minimum gage height, 2.76 ft, July 5.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.22	7.76	---	6.74	15.46	8.37	12.84	14.03	9.83	5.06	4.02	7.57
2	8.68	8.00	---	6.93	14.31	8.98	13.44	14.45	7.27	6.14	4.38	7.64
3	9.40	10.43	8.10	7.56	16.30	9.33	14.16	12.38	6.98	6.20	4.64	7.49
4	9.77	11.36	10.63	7.64	17.21	8.60	13.66	12.16	7.26	4.09	4.82	10.93
5	14.70	11.73	11.78	8.66	17.63	7.69	12.40	9.42	6.35	2.96	4.28	11.50
6	15.88	11.08	11.43	8.99	17.47	7.97	11.58	7.81	6.71	3.76	4.84	12.15
7	16.02	10.31	10.20	8.19	16.77	13.10	11.32	7.79	8.75	4.36	5.58	12.09
8	15.90	10.50	11.46	11.82	15.06	17.09	10.33	6.45	6.35	4.34	4.82	12.47
9	14.30	14.69	9.85	10.92	14.43	17.52	8.14	10.28	8.83	4.05	3.54	12.61
10	12.02	15.85	8.41	10.30	13.05	17.40	9.35	10.22	7.44	4.35	4.30	13.05
11	12.09	14.46	8.95	9.15	10.52	17.05	8.74	8.04	7.08	4.06	4.91	11.18
12	10.05	15.14	10.61	11.15	11.31	15.90	9.50	7.69	8.48	5.00	4.14	12.13
13	8.25	16.82	9.63	9.26	9.97	13.98	8.79	7.22	7.99	5.74	3.98	10.37
14	8.14	17.02	9.19	8.59	10.29	11.70	8.60	6.32	7.09	5.77	4.86	9.00
15	7.89	---	8.40	8.31	8.78	11.03	8.18	6.67	6.63	4.42	9.16	8.42
16	11.20	---	7.49	8.38	10.53	11.38	9.49	7.03	5.66	3.18	9.57	9.02
17	12.83	---	7.50	7.58	13.05	12.11	8.69	7.52	5.67	4.59	7.51	11.57
18	11.07	---	9.93	9.18	9.55	12.90	7.85	9.63	8.00	7.14	6.99	11.07
19	9.46	---	8.34	8.89	9.47	12.98	7.74	9.55	7.90	5.85	6.67	8.56
20	9.91	---	8.17	12.03	9.24	15.78	6.42	8.25	6.95	3.85	5.75	8.51
21	8.22	10.79	9.37	15.36	8.56	16.10	8.57	7.36	5.18	4.00	5.69	7.55
22	7.22	9.79	9.64	15.39	9.85	15.42	10.97	5.65	5.90	4.41	7.19	6.07
23	7.11	9.70	9.37	14.85	11.12	14.20	9.06	6.04	7.31	4.43	7.41	7.26
24	6.96	7.65	9.27	12.60	10.81	11.96	8.25	5.66	8.04	5.70	5.58	9.75
25	6.99	7.69	8.80	11.20	10.09	9.76	6.43	4.73	5.56	6.48	5.01	10.38
26	7.15	10.63	8.61	11.71	10.98	10.26	6.02	4.65	5.42	5.61	5.25	10.70
27	7.13	11.11	8.48	11.24	10.59	8.48	8.00	7.58	5.11	4.70	7.02	11.23
28	8.01	10.91	7.40	14.99	9.45	11.80	7.20	10.52	3.52	3.61	7.61	11.64
29	7.11	10.15	7.18	17.00	9.04	13.78	6.54	8.71	4.62	5.14	6.09	9.88
30	10.26	8.85	6.99	17.29	---	12.88	8.02	6.69	5.27	5.61	6.60	7.32
31	10.16	---	6.43	16.70	---	13.75	---	8.23	---	4.01	7.38	---
MAX	16.02	17.02	11.78	17.29	17.63	17.52	14.16	14.45	9.83	7.14	9.57	13.05
MIN	6.22	7.65	6.43	6.74	8.56	7.69	6.02	4.65	3.52	2.96	3.54	6.07

## SANTÉE RIVER BASIN

02169672 CEDAR CREEK AT CEDAR CREEK HUNT CLUB NEAR GADSDEN, SC

LOCATION.--Lat 33°48'58'', long 80°49'39'', Richland County, Hydrologic Unit 03050110, on left bank at Cedar Creek Hunt Club, 4.1 miles southwest of Gadsden, 500 ft north of Wise Lake in the Congaree Swamp National Monument.

DRAINAGE AREA.--69.9 mi<sup>2</sup> approximately.

PERIOD OF RECORD.--November 1980 to November 1983, June 1985 to September 1986, April 1987 to September 1987 (daily-discharge); December 1993 to current year (gage-height only).

GAGE.--Data collection platform. Datum of gage is 93.33 ft above sea level.

REMARKS.--This station is located in the Congaree River flood plain. When flood conditions exist on the Congaree River (discharge greater than about 25,000 ft<sup>3</sup>/s at 02169625) varying degrees of backwater effect flow at this site.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, undetermined; minimum gage-height, undetermined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.95 ft, Feb. 5; minimum gage height, 1.29 ft, July 4, 5.

GAGE HEIGHT, (IN FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.92	2.16	2.01	2.16	6.78	2.10	4.34	---	1.90	1.38	1.44	1.40
2	1.88	2.15	2.00	2.33	5.96	2.04	4.14	4.27	1.75	1.35	1.48	1.41
3	1.85	2.47	1.97	2.41	5.76	1.96	4.27	4.49	1.67	1.32	1.60	1.48
4	2.11	2.81	1.96	2.33	7.37	1.91	4.52	3.77	1.63	1.30	1.56	1.66
5	3.09	3.03	2.11	2.29	9.52	1.89	4.25	2.78	1.60	1.31	1.54	1.78
6	5.02	2.87	2.33	2.09	9.56	2.01	3.62	1.95	1.61	1.38	1.54	1.79
7	6.18	2.47	2.49	2.10	8.33	2.83	3.25	1.87	1.57	1.41	1.66	2.13
8	6.45	2.45	2.58	2.46	6.76	6.13	2.97	2.08	1.55	1.42	1.67	2.27
9	6.12	3.13	2.82	2.82	5.77	8.87	2.62	2.10	1.55	1.43	1.58	2.48
10	5.19	5.14	2.68	2.41	5.16	9.08	2.35	1.97	1.57	1.41	1.53	2.67
11	4.23	6.04	2.52	2.17	4.31	8.23	2.20	1.80	1.62	1.37	1.50	2.41
12	3.32	5.55	2.37	2.18	3.36	7.09	2.11	1.70	1.64	1.36	1.49	2.22
13	2.42	6.24	2.24	2.23	2.82	6.10	2.06	1.64	1.73	1.36	1.62	2.00
14	2.02	7.34	2.12	2.17	2.31	5.03	2.05	1.60	1.63	1.37	1.64	1.45
15	2.10	7.49	2.06	2.12	2.05	4.02	2.06	1.59	1.65	1.42	1.55	1.39
16	2.23	6.85	2.03	2.06	1.60	3.41	2.02	1.60	1.71	1.52	1.47	1.37
17	2.95	5.99	2.01	2.03	2.07	3.41	1.96	1.60	1.64	1.55	1.45	1.40
18	2.90	4.97	1.99	2.03	2.36	3.96	1.92	1.58	1.60	1.58	1.43	1.64
19	2.20	3.93	2.16	2.13	1.53	4.25	1.88	1.55	1.54	1.54	1.44	1.44
20	1.91	3.17	2.50	2.37	1.66	4.74	1.89	1.53	1.53	1.45	1.47	1.40
21	1.85	2.75	2.51	3.82	1.88	6.31	1.94	1.50	1.61	1.36	1.47	1.39
22	1.83	2.35	2.75	5.36	2.01	6.36	1.95	1.51	1.71	1.32	1.42	1.61
23	1.80	2.18	2.69	5.91	2.03	5.79	1.91	1.54	1.66	1.32	1.39	1.84
24	1.79	2.05	2.36	5.46	2.12	4.96	1.84	1.51	1.55	1.39	1.39	1.87
25	1.78	2.08	2.43	4.45	2.01	3.83	1.80	1.49	1.47	1.48	1.40	1.73
26	1.78	2.13	2.31	3.65	1.93	2.91	1.80	1.49	1.42	1.64	1.49	1.60
27	1.79	2.31	2.08	3.33	2.01	2.41	1.94	1.73	1.38	1.63	1.56	1.53
28	2.20	2.23	2.02	3.86	1.95	2.88	1.95	2.47	1.36	1.63	1.52	1.76
29	2.34	2.25	1.99	6.18	2.07	4.21	1.89	2.94	1.36	1.56	1.51	1.62
30	2.40	2.08	1.98	7.97	---	4.44	2.31	2.66	1.36	1.49	1.48	1.53
31	2.25	---	2.00	7.88	---	4.42	---	2.20	---	1.43	1.44	---
MAX	6.45	7.49	2.82	7.97	9.56	9.08	4.52	4.49	1.90	1.64	1.67	2.67
MIN	1.78	2.05	1.96	2.03	1.53	1.89	1.80	1.49	1.36	1.30	1.39	1.37

## SANTEE RIVER BASIN

02169810 SANTEE RIVER AT TREZESVANTS LANDING NEAR FORT MOTTE, SC

LOCATION.--Lat 33°43'52'', long 80°37'43'', Calhoun County, Hydrologic unit 03050110, 200 ft downstream from Trezesvants boat landing, 1.0 mi downstream from confluence of Wateree and Congaree Rivers, 3.9 mi east, southeast, of Fort Motte and at mile 123.3.

DRAINAGE AREA.--14,100 mi<sup>2</sup>, approximately.

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

GAGE.--Data collection platform. Datum of gage is sea level (South Carolina Public Service Authority bench mark). Prior to October 1, 1988, gage at same site at datum 69.57 ft higher.

REMARKS.--Flow affected by backwater from Lake Marion.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 87.43 ft, Oct. 17, 1990 (maximum observed gage height, 87.47 ft, Mar. 5, 1987, by South Carolina Public Service Authority personnel); minimum gage height, 73.71 ft, Dec. 31, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 83.24 ft, Feb. 6; minimum, 75.30 ft, July 12.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77.49	79.64	79.50	76.78	82.18	79.35	80.76	79.31	78.40	76.02	75.94	78.47
2	77.62	79.42	79.61	76.95	81.84	79.21	80.73	80.20	78.20	76.24	75.91	78.23
3	77.89	79.68	79.20	77.07	81.42	79.35	80.75	80.52	77.70	76.42	75.95	77.45
4	78.68	79.97	79.36	77.26	81.28	79.34	80.81	80.61	77.71	76.07	76.24	77.73
5	79.67	80.13	79.52	77.90	81.76	78.92	80.81	80.42	77.45	75.53	76.52	79.14
6	80.36	80.14	79.70	78.47	---	78.84	80.71	79.86	77.37	75.44	76.32	79.62
7	80.75	80.03	79.61	78.44	---	79.26	80.50	79.36	77.64	75.66	76.50	79.84
8	81.15	79.89	79.38	78.95	82.72	80.22	80.30	78.80	77.20	75.68	76.58	79.55
9	81.42	80.15	79.78	79.59	82.15	80.89	79.79	78.58	77.34	75.63	76.23	79.26
10	81.39	80.58	79.41	79.60	81.64	82.32	79.31	78.96	77.84	75.62	76.20	79.25
11	81.09	80.93	79.01	79.42	81.20	82.88	79.23	78.77	77.40	75.65	76.36	79.41
12	80.81	81.12	79.08	79.41	80.74	82.59	79.14	78.19	77.93	75.44	76.38	79.55
13	80.37	81.21	79.04	79.48	---	82.05	78.95	78.01	78.18	76.36	76.30	79.47
14	80.01	81.39	79.04	79.07	---	81.47	78.72	77.50	77.87	76.51	76.82	78.86
15	79.82	81.84	78.76	78.72	80.08	80.96	78.76	77.36	77.84	76.25	77.89	78.25
16	79.80	82.09	78.16	78.71	79.99	80.62	78.53	77.47	77.63	75.65	78.67	77.86
17	80.29	81.93	77.93	78.59	80.17	80.53	78.61	77.53	77.22	75.63	78.79	78.41
18	80.39	81.46	78.43	78.58	80.26	80.55	78.30	77.95	77.84	76.22	78.45	78.87
19	80.23	80.92	78.72	78.92	80.00	80.61	78.39	78.42	78.25	77.03	78.26	78.91
20	80.07	80.49	78.15	79.12	79.98	80.68	78.26	78.19	77.99	76.52	77.87	78.45
21	79.72	80.37	78.31	79.98	79.78	80.90	78.03	77.84	77.30	75.78	77.59	78.06
22	79.05	80.05	78.76	80.43	79.72	81.20	78.73	77.10	77.09	75.56	77.76	77.50
23	78.64	79.78	78.92	80.82	79.87	81.37	78.90	76.72	77.66	75.62	78.32	77.56
24	78.37	79.23	78.84	81.03	80.01	81.22	78.51	76.54	78.12	75.88	77.98	78.01
25	78.25	78.76	78.57	80.87	79.94	80.80	78.12	76.17	77.95	76.81	77.52	78.32
26	78.39	79.04	78.21	80.58	79.83	80.30	77.43	76.04	77.21	77.21	77.25	78.49
27	78.52	79.66	78.03	80.47	79.77	79.93	77.37	76.47	77.22	76.86	77.49	78.58
28	78.75	79.68	77.65	80.44	79.54	79.75	77.77	77.53	76.76	76.09	78.12	78.74
29	78.84	79.70	77.08	80.70	79.50	80.22	77.73	78.23	76.07	75.99	78.22	78.73
30	79.11	79.38	76.98	81.12	---	80.49	77.89	77.56	76.12	76.19	78.13	78.01
31	79.72	---	76.98	81.91	---	80.66	---	77.50	---	76.21	78.37	---
MAX	81.42	82.09	79.78	81.91	82.72	82.88	80.81	80.61	78.40	77.21	78.79	79.84
MIN	77.49	78.76	76.98	76.78	79.50	78.84	77.37	76.04	76.07	75.44	75.91	77.45



## SANTEE RIVER BASIN

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.--Data collection platform. Datum of gage is sea level (levels by Harza Engineering Co.).

REMARKS.--Lake is formed by earth dam. Storage began in November 1941; Dam completed in 1941. Usable capacity, 45,000,000,000 ft<sup>3</sup> between elevations 60.0 ft (limit of drawdown) and 76.8 ft (maximum normal lake elevation). Dead storage, about 17,070,000,000 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 for generation of power and for recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 77.35 ft, Feb. 28, 1964 (affected by high winds); minimum elevation, 61.36 ft, Oct. 17, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 76.61 ft, Feb. 11; minimum elevation, 72.84 ft, Jan. 20, 21.

Capacity Table

Elevation, in feet (sea level)	Usable contents, in billions of cubic feet
71.0	24.87
72.0	28.21
74.0	34.90
76.0	42.00
76.8	45.00

ELEVATION (FEET SEA LEVEL) WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75.08	75.47	74.97	73.10	74.27	74.73	76.13	75.35	75.12	74.71	74.74	74.19
2	75.02	75.56	74.87	73.07	74.68	74.60	76.06	75.50	75.24	74.62	74.76	74.10
3	74.97	75.55	74.79	73.17	74.80	74.46	76.05	75.62	75.34	74.59	74.81	73.94
4	74.97	75.41	74.71	72.96	74.82	74.29	76.04	75.76	75.40	74.62	74.83	73.80
5	75.05	75.41	74.74	72.90	74.87	74.19	76.00	75.86	75.36	74.66	74.87	73.99
6	75.06	75.34	74.70	72.93	75.20	74.09	76.06	75.84	75.26	74.62	75.01	73.73
7	75.18	75.39	74.73	73.29	75.83	74.22	76.02	75.85	75.18	74.64	75.02	73.74
8	75.33	75.24	74.63	72.95	76.22	73.97	75.99	75.75	75.11	74.63	74.98	73.82
9	75.59	75.06	74.69	73.06	76.36	73.92	75.92	75.59	75.19	74.60	74.91	73.91
10	75.85	74.99	74.63	73.03	76.44	74.24	75.68	75.55	75.18	74.51	74.94	73.98
11	76.02	75.16	74.54	73.03	76.56	75.00	75.49	75.61	75.16	74.55	74.98	74.25
12	76.12	75.06	74.45	73.10	76.49	75.60	75.29	75.48	75.17	74.49	74.99	74.40
13	76.20	75.24	74.40	73.03	76.34	76.00	75.20	75.33	75.24	74.56	74.86	74.51
14	76.34	75.51	74.40	73.04	76.27	76.18	75.19	75.22	75.23	74.63	74.95	74.54
15	76.30	75.60	74.28	73.05	76.21	76.27	75.22	75.31	75.26	74.72	75.03	74.59
16	76.27	75.90	74.12	73.03	76.11	76.23	75.15	75.36	75.35	74.72	75.07	74.68
17	76.28	76.10	73.89	72.96	76.01	76.28	75.14	75.31	75.38	74.64	75.13	74.69
18	76.31	76.29	73.76	72.88	75.91	76.28	75.14	75.23	75.41	74.52	75.24	74.71
19	76.28	76.36	73.72	72.93	75.91	76.30	75.10	75.17	75.31	74.46	75.29	74.81
20	76.41	76.34	73.47	72.84	75.90	76.16	75.00	75.11	75.18	74.51	75.23	74.89
21	76.13	76.28	73.32	72.90	75.83	76.11	74.96	75.04	75.08	74.52	75.19	74.98
22	75.99	76.16	73.27	72.95	75.74	76.14	74.93	74.98	74.97	74.54	75.13	75.07
23	75.85	76.03	73.22	73.08	75.63	76.29	74.95	74.90	74.92	74.55	75.11	75.11
24	75.66	75.92	73.18	73.40	75.54	76.44	74.90	74.88	74.87	74.59	75.07	75.15
25	75.47	75.71	73.26	73.44	75.45	76.49	74.90	74.79	74.81	74.63	75.03	75.13
26	75.35	75.50	73.35	73.48	75.37	76.40	74.91	74.86	74.72	74.67	75.07	75.10
27	75.35	75.36	73.42	73.67	75.23	76.24	74.90	74.87	74.69	74.66	75.06	75.14
28	75.31	75.28	73.38	73.59	75.12	76.22	74.96	75.04	74.71	74.74	74.98	75.15
29	75.30	75.20	73.23	73.66	74.90	76.12	74.98	75.12	74.71	74.73	74.79	75.23
30	75.34	75.08	73.14	73.72	---	76.05	75.30	75.05	74.77	74.72	74.59	75.32
31	75.42	---	73.10	73.89	---	76.05	---	75.05	---	74.73	74.37	---
MAX	76.41	76.36	74.97	73.89	76.56	76.49	76.13	75.86	75.41	74.74	75.29	75.32
MIN	74.97	74.99	73.10	72.84	74.27	73.92	74.90	74.79	74.69	74.46	74.37	73.73
(+)	39.82	38.54	31.89	34.53	37.91	42.18	39.37	38.43	37.47	37.34	36.13	39.44
(*)	+392	-494	-2483	+986	+1349	+1594	-1084	-351	-370	-48.5	-452	+1277

CAL YR 1995 \* MAX 76.60 MIN 73.10

WTR YR 1996 \* MAX 76.56 MIN 72.84

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

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

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.

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

GAGE.--Data collection platform. Datum of gage is 22.83 ft above sea level (from South Carolina Geodetic Survey benchmark). Prior to Feb. 25, 1943, nonrecording gage at site 2.2 mi upstream of temporary water-stage recorder operated by Corps of Engineers, at site 200 ft upstream, at different datum. One additional gage is used for computation of discharge at this station, which is located 2.4 mi upstream at Lake Marion Tailrace (see sta 02171001).

REMARKS.--Estimated daily discharges, May 28 to June 10. Records poor. Discharge records for 1987 - 96 water years are computed by utilization of a One-Dimensional unsteady flow simulation model (BRANCH). Flow completely regulated by Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through Diversion Canal into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River Basin (see sta 02172002) and lower Santee (see sta 02171645). During periods of incomplete gage-height record, values of daily mean discharge from Lake Marion Hydro and Spillway were obtained from the South Carolina Public Service Authority. These values are shown as estimated daily discharges. See page from north dike of Lake Marion Dam bypasses station via Little River (see sta 02171520).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	627	628	629	659	600	653	816	607	600	618	637	661
2	629	630	672	657	611	653	829	595	600	620	637	671
3	629	620	672	685	605	675	616	595	600	624	637	592
4	634	643	673	680	603	649	634	593	600	622	640	612
5	637	623	691	661	609	644	651	593	600	652	642	792
6	637	620	688	665	615	641	628	627	600	631	647	699
7	640	643	719	766	4240	644	659	597	600	642	641	641
8	643	680	695	865	9650	927	626	587	600	659	650	645
9	647	603	698	657	11600	655	774	582	600	647	646	671
10	651	601	707	655	10300	651	603	594	600	640	647	674
11	659	1600	713	651	7690	656	605	601	590	641	650	711
12	655	900	721	646	4490	656	616	610	608	679	658	670
13	651	606	714	646	1800	653	619	588	616	643	677	663
14	686	646	677	645	1820	654	616	593	609	645	683	661
15	1010	829	658	645	736	1280	620	593	611	678	677	660
16	659	614	656	650	3680	780	2060	606	613	683	671	676
17	643	651	655	649	3070	663	608	633	614	655	671	702
18	643	603	654	643	916	650	596	631	639	649	673	679
19	626	603	653	692	624	5060	598	631	643	654	673	677
20	701	596	670	642	623	6180	617	629	598	647	704	669
21	2840	889	674	648	624	6660	615	600	605	651	727	675
22	2940	726	680	642	624	3340	614	582	604	660	703	689
23	950	590	678	637	623	2620	620	590	604	659	703	680
24	662	592	674	632	625	825	624	590	601	654	701	682
25	643	620	682	659	622	2550	600	590	606	637	703	685
26	617	587	683	620	619	4160	635	598	609	639	704	685
27	636	584	678	645	615	2000	592	593	614	633	708	686
28	1130	583	679	616	634	682	595	600	613	635	605	688
29	1100	592	672	607	652	654	592	600	613	635	521	691
30	650	592	675	597	---	647	661	600	617	638	572	693
31	635	---	665	596	---	646	---	600	---	632	665	---
TOTAL	26110	20294	21055	20358	70520	48808	20539	18628	18227	20002	20473	20280
MEAN	842	676	679	657	2432	1574	685	601	608	645	660	676
MAX	2940	1600	721	865	11600	6660	2060	633	643	683	727	792
MIN	617	583	629	596	600	641	592	582	590	618	521	599

MEAN	2081	855	1539	2626	3920	5671	4466	1331	1012	714	846	1341
MAX	27160	6745	17290	20400	36010	23690	19470	14820	10120	6185	8034	25500
(WY)	1965	1948	1949	1946	1960	1975	1973	1958	1973	1943	1967	1945
MIN	430	447	456	436	481	362	481	477	479	401	450	445
(WY)	1950	1953	1980	1991	1959	1947	1947	1947	1981	1942	1982	1982

ANNUAL TOTAL	1128216		325294						
ANNUAL MEAN	3091		889			2190			
HIGHEST ANNUAL MEAN						7682			1960
LOWEST ANNUAL MEAN						491			1985
HIGHEST DAILY MEAN	49200	Jan 20	11600	Feb 9		153000		Sep 22	1945
LOWEST DAILY MEAN	504	Mar 24	521	Aug 29	* 9			Feb 23	1947
ANNUAL SEVEN-DAY MINIMUM	514	Mar 24	592	May 21	25			Feb 17	1947
INSTANTANEOUS PEAK FLOW					** 155000			Sep 23	1945
INSTANTANEOUS PEAK STAGE					31.10			Sep 23	1945
10 PERCENT EXCEEDS	10900		799			2000			
50 PERCENT EXCEEDS	616		645			540			
90 PERCENT EXCEEDS	532		598			481			

\*\* From rating curve extended above 13,000 ft<sup>3</sup>/s on basis of computation of peak flow over spillway at Lake Marion.

## SANTEE RIVER BASIN

02171560 SANTEE RIVER NEAR RUSSELLVILLE, SC

LOCATION.--Lat 33°29'38'', long 79°57'38'' (Revised), Berkeley County, Hydrologic Unit 03050112, on downstream side of U.S. Highway 52 bridge, 5.2 mi northeast of Russellville, and at mile 63.7.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1978 to September 1996 (discontinued).

GAGE.--Data collection platform. Datum of gage is 10.59 ft above sea level.

REMARKS.--Discharge records for 1987-96 water years are computed by utilization of the One-Dimensional unsteady flow simulation model (BRANCH). Two auxiliary stations (sta. 02171645 and 02171700) are used in conjunction with this station for computation of discharge. Flow completely regulated by Lake Marion (see sta. 02171000). Water is diverted above station from Lake Marion through canal into Lake Moultrie (see sta. 02172000) for generation of power and for navigation, then discharged into the Cooper River (see sta. 02172002) and the lower Santee River (see sta. 02171645). Negative flow is observed during initial releases from St. Stephens power house. Records poor.

## DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER 1995 TO SEPTEMBER 1996

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	850	---	1530	1190	1600	1510	1640	1260	1200	2660	1020	21400
2	896	---	1520	1600	1650	1450	1730	1110	1200	6320	985	21000
3	778	---	1550	746	1560	1460	1610	446	1200	4320	967	22300
4	557	---	1470	715	1580	1460	1590	460	1350	2310	958	19600
5	754	---	1410	1570	1610	1530	1570	1010	5500	1260	1130	17100
6	1020	1100	1230	1200	1590	1560	1620	747	8750	1130	1270	15100
7	759	1220	1320	425	2040	1560	1530	957	9760	1500	2450	15300
8	661	1220	1360	1070	5250	1800	1570	1220	8570	1680	4600	13100
9	860	1180	1420	1180	6320	1330	1510	1640	5360	1140	5390	9660
10	806	1120	1300	961	6920	1430	1480	1490	7230	1020	2230	8880
11	806	1200	1350	1310	4110	1380	1520	1510	8310	785	1430	6770
12	788	2000	1400	1410	3480	1440	1550	-2	6590	1240	3280	3930
13	783	946	1460	1390	3070	1560	1660	1340	6000	1080	6440	4400
14	829	821	1230	1430	2260	1550	1430	1980	7120	1000	3870	6110
15	1100	1210	1470	1350	1910	1590	1240	1130	3390	1030	1390	---
16	1080	1130	1540	1360	2030	1780	1190	885	1490	1020	3100	---
17	908	1150	1520	1410	1940	1660	1520	428	2920	2970	4260	---
18	675	1110	1560	1490	1710	---	1230	787	6130	8160	1410	1300
19	878	1090	1640	1320	1590	---	375	987	16800	8070	3000	1200
20	1050	1120	1840	1500	1540	---	1100	1010	19500	6430	6610	1130
21	---	1220	2030	980	1510	---	1370	1200	7490	3710	7600	1090
22	---	1590	1650	1300	1510	---	603	851	7980	1880	8910	1030
23	---	1520	1540	1400	1500	---	1280	1190	7840	1390	9050	626
24	---	1500	2040	1380	1470	---	1360	852	9370	1550	8150	-55
25	---	1520	2040	1330	1500	---	1110	1420	9120	1110	8390	281
26	---	1530	1400	1510	1510	---	1000	987	8480	1170	7410	625
27	---	1520	569	1520	1500	---	1060	978	8500	1260	7010	293
28	---	1570	231	1570	1520	---	959	992	4880	981	15900	240
29	---	1640	1540	1640	1500	---	923	910	1780	1000	18500	1020
30	---	1510	1200	1590	---	1770	1120	990	1200	1000	19700	274
31	---	---	1530	1590	---	1690	---	1480	---	1010	20400	---
TOTAL	---	---	44890	40437	67280	---	39450	32245	195010	71186	186810	---
MEAN	---	---	1448	1304	2320	---	1315	1040	6500	2296	6026	---
MAX	---	---	2040	1640	6920	---	1730	1980	19500	8160	20400	---
MIN	---	---	231	425	1470	---	375	-2	1200	785	958	---

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1996, BY WATER YEAR (WY)

	MEAN	2219	678	1470	2594	2740	6720	4430	1550	1056	799	1195	788
MAX	19560	1378	10230	16030	13420	22690	22440	11760	6500	2296	6026	3625	
(WY)	1991	1993	1984	1982	1982	1979	1980	1984	1996	1996	1996	1995	
MIN	471	224	136	509	531	515	504	328	418	435	464	414	
(WY)	1982	1990	1990	1985	1988	1985	1985	1990	1989	1987	1982	1990	

## SUMMARY STATISTICS

## WATER YEARS 1979 - 1996

ANNUAL MEAN	2209		
HIGHEST ANNUAL MEAN	6795		1984
LOWEST ANNUAL MEAN	523		1985
HIGHEST DAILY MEAN	120000	Mar 3	1979
LOWEST DAILY MEAN	-2870	Nov 5	1991
ANNUAL SEVEN-DAY MINIMUM	-358	Oct 30	1991
10 PERCENT EXCEEDS	2810		
50 PERCENT EXCEEDS	627		
90 PERCENT EXCEEDS	469		

## SANTEE RIVER BASIN

## 02171645 REDIVERSION CANAL AT SANTEE RIVER NEAR ST. STEPHENS, SC

LOCATION.--Lat 33°25'26'', long 79°51'40'', Berkeley County, Hydrologic Unit 03050112, on right bank, 3.2 mi downstream from St. Stephens Powerhouse, 0.8 mi upstream from Santee River, and 3.0 mi west of St. Stephens.

DRAINAGE AREA.--Indeterminate.

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

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

REMARKS.--Estimated daily discharges Mar. 18 - 29, Sept. 15 - 20. Records poor. Discharge records for the 1987 - 96 water years are computed by utilization of the One-Dimensional unsteady flow simulation model (BRANCH). Two auxiliary stations (sta. 02171560 and 02171700) are used with this station for computation of discharge. Flow is regulated by the St. Stephens Powerhouse and affected by tide during low-flow periods. Water is diverted above station from Lake Moultrie for generation of power and for navigation, then discharged into the West Branch Cooper River (see station 02172002). During periods of incomplete gage-height record, values of daily mean discharge from St. Stephens Powerhouse were obtained from the South Carolina Public Service Authority. These values are shown as estimated daily discharges. Negative daily mean discharges are computed on many days which are caused by two complete incoming and only one complete outgoing tide cycles during the day.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7500	17000	20300	10500	23000	22000	22900	289	125	5790	0	21600
2	9350	16100	20400	6400	20100	21800	23000	3200	126	4230	0	22600
3	11000	25700	20200	9270	23400	21500	23000	8070	125	2190	0	21300
4	14900	25500	17300	11300	23300	21900	23000	10200	2170	165	0	15600
5	11400	21600	15100	7250	22700	22100	22500	10600	8850	119	593	14100
6	13600	22700	17000	5920	22900	22500	20100	12300	8740	94	0	12400
7	13500	22800	7610	9600	23200	22600	20100	16300	9700	1190	3850	14500
8	14500	23700	17500	15900	22100	15600	22700	20600	4890	57	6240	8560
9	14900	23400	15300	12200	21300	17400	22900	15600	4900	35	1750	9660
10	15900	23200	17200	14900	20700	18700	22800	9120	8860	32	424	6820
11	16300	23000	17500	17800	21300	19000	22500	5020	6870	42	333	1910
12	16800	16700	17600	16900	21500	19400	18100	13900	4350	31	6810	1670
13	16800	17300	15400	15100	20800	19700	11700	16400	7440	0	4490	2540
14	17000	21100	19800	13500	22200	19500	9340	2790	3460	0	222	4900
15	17200	21900	23600	15100	22500	21700	8550	801	355	0	781	3000
16	17200	21900	22100	15300	22400	23200	9460	4400	97	0	574	4700
17	20000	21500	24000	15400	22500	19300	9310	8460	4530	7500	633	4600
18	23900	21200	23800	14600	22600	21300	7900	8730	9750	7840	0	783
19	23900	22300	23500	14700	22500	22300	12300	8310	22800	6310	6240	652
20	24300	24300	19200	13100	22700	16900	11400	8760	13000	3420	6790	186
21	26500	22600	13300	14000	22700	17700	9020	7410	5240	982	7150	435
22	23100	21300	13200	15200	22700	18700	11900	8290	8300	74	8390	1510
23	25700	23400	13200	16300	22800	19000	10700	6800	7230	809	6670	4380
24	27200	22100	12300	16700	22900	17300	8210	7460	9980	0	7580	8250
25	20300	21600	2010	19800	23100	20100	7350	1540	7260	0	8960	6300
26	15300	22400	703	21300	23200	22100	6700	2310	8610	488	3950	4590
27	20000	21800	8020	21700	23300	22800	4480	2150	6160	0	8590	6190
28	5370	20200	16500	22900	23300	22800	4330	98	782	0	18000	6100
29	7090	16700	13400	21700	23300	22800	4480	3530	135	0	19200	716
30	14200	20600	13300	23600	---	23400	1870	370	123	0	19500	8080
31	16700	---	9950	23500	---	23000	---	140	---	0	20900	---
TOTAL	521410	647600	490293	471440	651000	638100	412600	223948	174958	41398	168620	218632
MEAN	16820	21590	15820	15210	22450	20580	13750	7224	5832	1335	5439	7288
MAX	27200	25700	24000	23600	23400	23400	23000	20600	22800	7840	20900	22600
MIN	5370	16100	703	5920	20100	15600	1870	98	97	0	0	186

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

	MEAN	8038	9050	13770	15410	14830	17540	13430	7906	5146	4373	6731	6336
MAX	16820	21590	24130	22340	22580	23900	22780	23930	15030	13960	23380	13080	
(WY)	1996	1996	1993	1991	1987	1987	1991	1991	1992	1989	1991	1995	
MIN	30.2	1280	5346	2206	2744	2621	1225	192	18.8	1.00	40.9	426	
(WY)	1994	1994	1989	1989	1989	1988	1988	1988	1988	1988	1988	1988	

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR				FOR 1996 WATER YEAR				WATER YEARS 1987 - 1996			
ANNUAL TOTAL	4754827				4659999				10200			
ANNUAL MEAN	13030				12730				14610			
HIGHEST ANNUAL MEAN									3088			
LOWEST ANNUAL MEAN									1991			
HIGHEST DAILY MEAN	28400				Feb 27				31200			
LOWEST DAILY MEAN	0				Apr 27				-155			
ANNUAL SEVEN-DAY MINIMUM	.00				May 4				.00			
INSTANTANEOUS PEAK FLOW									31200			
10 PERCENT EXCEEDS	23100				22900				23000			
50 PERCENT EXCEEDS	14000				13500				8790			
90 PERCENT EXCEEDS	36				269				28			



## SANTÉE RIVER BASIN

02171650 SANTÉE RIVER BELOW ST. STEPHENS, SC

LOCATION.--Lat 33°24'05'', long 79°51'18'', Berkeley County, Hydrologic Unit 02150112, 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.--Water years 1974 to current year.

REMARKS.--At times of high water, samples are collected at U. S. Highway 17A bridge, approximately 10 miles downstream from gage.

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

DATE	TIME	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
OCT									
12...	0955	767	25.5	102	0.3	10	7.1	86	7.2
NOV									
21...	0950	760	15.5	97	0.9	20	8.3	83	7.1
JAN									
24...	1050	758	9.5	97	0.4	20	10.6	93	7.3
FEB									
14...	1005	753	9.5	94	0.2	40	10.6	94	7.1
MAR									
27...	1055	768	15.5	82	0.4	50	8.5	85	6.8
APR									
17...	1040	762	18.5	83	1.3	20	7.3	78	7.2
MAY									
29...	1420	753	29.0	114	0.7	60	5.2	69	7.2
DATE	TUR- BID- ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
OCT									
12...	2.0	--	8.5	64	210	4	89	4	30
NOV									
21...	1.5	--	0.10	200	380	1	100	12	17
JAN									
24...	1.4	6	11	190	370	1	100	5	16
FEB									
14...	22	6	0.60	60	630	7	80	6	17
MAR									
27...	4.2	4	7.4	160	470	5	89	8	21
APR									
17...	9.2	16	5.0	250	730	19	95	7	46
MAY									
29...	9.8	29	5.3	310	1700	22	97	270	300



## SANTÉE RIVER BASIN

02171650 SANTÉE RIVER BELOW ST. STEPHENS, SC-Continued

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

DATE	TIME	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
JUN 26...	1030	758	31.5	88	0.9	5	6.0	7.2
JUL 30...	1035	765	30.0	105	0.5	30	6.3	6.5
AUG 22...	1300	764	29.5	86	1.8	<5	7.1	6.1
SEP 17...	1200	755	26.5	92	--	70	6.8	6.3

DATE	TUR- BID- ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
JUN 26...	4.8	4	8.5	80	440	3	86	21	50
JUL 30...	2.6	4	9.4	230	880	3	80	110	130
AUG 22...	5.6	8	9.5	22	200	5	86	5	37
SEP 17...	5.6	7	8.9	160	430	5	92	24	53

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

## SANTEE RIVER BASIN

## 02171700 SANTEE 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, 0.1 mi upstream from Seaboard Coastline Railroad, 1.5 mi northeast of Jamestown, and at mile 36.4.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Discharge records are available for the period October 1986 to current year. Gage height records are available for the periods 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.--Data collection platform. Datum of gage is sea level (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.--Estimated daily discharges Mar. 18 - 29, Sept. 15 - 20. Records poor. Discharge records for 1987 - 96 water years are computed by utilization of the One-Dimensional unsteady flow simulation model (BRANCH). Two auxiliary stations (sta. 02171560 and 02171645) are used in conjunction with this station for computation of discharge. Discharge affected by regulation from Lake Marion (see sta 02171000) and redirection from St. Stephens powerplant (see sta 02171645), and by tide during low-flow periods.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13000	16400	22000	12100	24300	24600	24800	2280	1200	2660	1020	21400
2	10600	16300	21900	10000	23500	24300	24800	1720	1200	6320	985	21000
3	10000	20500	22000	8510	23900	24000	24800	6360	1200	4320	967	22300
4	10700	23600	21500	11400	24300	23700	24700	9570	1350	2310	958	19600
5	15000	22200	18500	10800	24400	23600	24700	12300	5500	1260	1130	17100
6	13200	22700	18300	7330	24400	23600	23600	12000	8750	1130	1270	15100
7	13900	23100	18700	7610	24600	23700	22900	14800	9760	1500	2450	15300
8	13900	23600	19200	16600	24700	22900	23400	19100	8570	1680	4600	13100
9	15200	24000	17500	13500	24700	19000	23800	20500	5360	1140	5390	9660
10	15200	24100	18000	13500	25200	20100	23900	13500	7230	1020	2230	8880
11	16000	24200	18700	17300	26100	20400	24000	8260	8310	785	1430	6770
12	16400	23900	19100	17800	26300	20300	23200	10400	6590	1240	3280	3930
13	17100	19200	17600	17700	26000	20700	19600	17700	6000	1080	6440	4400
14	17500	20300	18300	16400	25800	21000	13900	9700	7120	1000	3870	6110
15	17900	22100	22500	15600	25600	21600	10800	3860	3390	1030	1390	5000
16	18200	22400	22400	16600	25300	23100	10100	2930	1490	1020	3100	5000
17	18100	22400	23400	16700	25100	22400	11500	7060	2920	2970	4260	5000
18	18300	22400	23800	16700	24800	22300	9720	9320	6130	8160	1410	4910
19	22000	22600	24100	16100	24600	23400	11400	9260	16800	8070	3000	1930
20	23100	23900	24400	16200	24400	18400	12500	9670	19500	6430	6610	1800
21	23900	23900	20600	14100	24400	18800	11100	8960	7490	3710	7600	1600
22	24300	23400	17200	16100	24400	19800	11500	8850	7980	1880	8910	1830
23	24300	23900	15700	16500	24300	20100	12500	8570	7840	1390	9050	3260
24	25200	23700	17600	17400	24300	18400	10400	8250	9370	1550	8150	6430
25	23700	23400	7100	19500	24300	21200	8900	6290	9120	1110	8390	7010
26	19500	23700	3760	21300	24400	23200	8130	3220	8480	1170	7410	6210
27	18600	23700	4040	21400	24500	23900	6780	3330	8500	1260	7010	5660
28	15300	23300	13600	23000	24500	23900	5670	2360	4880	981	15900	6830
29	8170	21300	16600	22800	24600	24400	5240	1790	1780	1000	18500	4530
30	11600	22000	14400	23700	---	24400	4410	3650	1200	1000	19700	4020
31	14300	---	12500	24000	---	24400	---	1480	---	1010	20400	---
TOTAL	524170	672200	555000	498250	717700	685600	472750	257040	195010	71186	186810	255670
MEAN	16910	22410	17900	16070	24750	22120	15760	8292	6500	2296	6026	8522
MAX	25200	24200	24400	24000	26300	24600	24800	20500	19500	8160	20400	22300
MIN	8170	16300	3760	7330	23500	18400	4410	1480	1200	785	958	1600

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

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	11370	10320	15040	15800	14320	21980	14530	8757	6036	5256
MAX	34380	22410	27870	24130	24750	40770	26130	26770	16220	14930
(WY)	1991	1996	1993	1991	1996	1987	1991	1991	1992	1989
MIN	868	1853	5333	3082	3238	3566	2067	1067	843	853
(WY)	1994	1994	1989	1989	1989	1988	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1987 - 1996
ANNUAL TOTAL	5071076	5091386	11670
ANNUAL MEAN	13890	13910	17880
HIGHEST ANNUAL MEAN			4081
LOWEST ANNUAL MEAN			89500
HIGHEST DAILY MEAN	50300	26300	Mar 9 1987
LOWEST DAILY MEAN	824	785	Jul 11 1986
ANNUAL SEVEN-DAY MINIMUM	897	991	Sep 22 1989
INSTANTANEOUS PEAK STAGE			32.00
10 PERCENT EXCEEDS	24300	24300	25100
50 PERCENT EXCEEDS	13700	15200	8860
90 PERCENT EXCEEDS	1200	1580	929



## SANTEE RIVER BASIN

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, 0.1 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 report of the National Ocean Survey.

GAGE.--Water-stage recorder. Datum of gage is 3.47 ft below sea level (National Ocean Survey benchmark).

REMARKS.--Gage height affected by tide and regulation from Lake Marion (see sta 02171000) and redirection from St. Stephens powerplant (see sta. 02171645).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.53 ft, Jan. 20, 1993; minimum gage height, 0.67 ft, Dec. 26, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.13 ft, Dec. 22; minimum gage height, 1.21 ft, July 26.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.51	4.45	6.07	6.93	3.68	5.57	7.08	4.73	6.02	6.84	3.39	5.26
2	7.45	4.17	5.94	6.80	3.58	5.27	6.62	4.63	5.66	7.28	3.71	5.68
3	7.45	4.03	5.91	6.91	3.48	5.28	7.05	4.61	5.81	6.64	3.30	4.94
4	7.36	4.09	5.95	7.06	3.66	5.44	6.87	4.53	5.64	6.43	2.52	4.64
5	7.37	4.17	5.89	7.33	4.15	5.95	7.34	4.54	6.08	6.85	3.14	4.92
6	7.12	3.59	5.45	7.37	4.50	6.04	7.13	4.77	5.92	6.98	2.98	5.11
7	7.18	3.66	5.50	7.42	4.67	6.02	7.26	4.68	5.96	7.25	3.04	4.99
8	7.34	3.69	5.74	7.10	4.50	5.79	7.41	4.72	6.16	5.44	2.02	3.51
9	7.82	4.55	6.38	7.28	4.79	6.08	6.98	4.59	5.83	6.48	2.48	4.19
10	7.76	4.96	6.44	7.26	5.12	6.19	6.72	4.20	5.36	6.32	2.50	4.35
11	7.79	5.09	6.47	7.37	5.37	6.20	6.54	3.90	5.10	6.91	3.57	5.24
12	7.61	5.17	6.37	6.86	4.70	5.63	6.64	3.96	5.19	6.99	3.35	5.06
13	7.36	4.67	6.02	7.05	5.24	6.13	6.61	4.10	5.29	6.24	3.61	4.92
14	7.03	4.27	5.63	7.03	5.19	6.12	6.52	4.08	5.32	6.53	3.57	5.11
15	6.96	4.10	5.53	6.31	4.46	5.40	6.17	3.85	5.05	6.55	3.32	4.94
16	7.00	4.46	5.75	6.62	4.55	5.57	6.47	4.14	5.31	6.88	3.42	5.17
17	6.96	4.62	5.87	6.53	4.55	5.57	7.24	4.85	6.12	7.10	3.41	5.34
18	6.93	4.82	6.02	6.98	4.63	5.91	7.57	4.85	6.41	7.37	3.52	5.64
19	7.04	4.76	6.01	7.09	4.74	5.93	7.72	5.19	6.46	7.71	3.75	5.43
20	7.43	4.99	6.45	7.34	4.64	6.15	7.25	5.11	6.24	7.34	3.00	5.34
21	6.98	4.90	6.06	7.62	4.93	6.32	8.06	5.36	6.79	7.61	3.78	5.74
22	7.33	4.90	6.31	7.87	4.96	6.49	8.13	5.63	6.86	7.52	3.70	5.64
23	7.71	5.35	6.64	8.08	5.31	6.70	7.98	5.39	6.63	7.40	3.70	5.59
24	7.71	5.58	6.62	7.76	5.27	6.54	7.61	4.81	6.10	7.13	3.69	5.39
25	7.73	5.34	6.52	7.90	5.40	6.58	7.34	4.16	5.64	6.49	3.06	4.70
26	7.74	5.29	6.54	7.73	5.34	6.49	7.13	3.29	5.10	6.61	3.94	5.29
27	7.95	5.40	6.66	7.45	5.25	6.30	6.69	2.64	4.65	6.75	3.50	5.14
28	7.33	4.87	6.12	7.11	5.08	6.04	6.63	3.09	4.91	5.87	3.85	4.86
29	7.26	4.15	5.62	6.81	4.79	5.84	6.58	3.32	4.94	6.61	4.53	5.59
30	7.27	4.15	5.70	7.02	4.99	6.07	6.76	3.46	5.13	6.58	4.62	5.58
31	7.36	4.21	5.92	---	---	---	6.70	3.40	5.08	6.77	4.73	5.73
MONTH	7.95	3.59	6.07	8.08	3.48	5.99	8.13	2.64	5.70	7.71	2.02	5.13





## SANTEE RIVER BASIN

02171850 SOUTH SANTEE RIVER NEAR MCCLELLANVILLE, SC

LOCATION.--Lat 33°11'02'', long 79°24'22'', Charleston County, Hydrologic Unit 03050112, near right upstream bank on southbound U.S. Highway 17, 1.5 mi north of South Santee, and 5.5 mi south of North Santee.

PERIOD OF RECORD.--October 1993 to current year.

GAGE.--Data collection platform. Datum of gage is 8.67 ft below sea level (National Oceanic Survey benchmark).

REMARKS.--Gage height affected by tide and regulation from Lake Marion (see sta. 02171000) and redirection from St. Stephens powerplant (see sta. 02171645).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.84 ft, Feb. 26, 1995; minimum gage height, 5.17 ft, July 26, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.97 ft, Nov. 23; minimum gage height, 5.17 ft, July 26.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	11.62	7.67	9.81	11.07	6.94	9.27	11.01	6.95	9.17	10.94	6.82	9.05
2	11.57	7.47	9.69	10.95	6.75	8.99	10.53	6.95	8.76	11.33	7.14	9.52
3	11.57	7.42	9.71	11.03	6.73	8.98	11.05	7.00	8.99	10.82	6.88	8.77
4	11.49	7.55	9.80	11.15	6.80	9.08	10.83	6.90	8.78	10.56	6.02	8.47
5	11.51	7.58	9.72	10.68	6.86	8.28	11.34	6.92	9.36	10.96	6.66	8.75
6	11.23	6.88	9.18	11.08	7.22	8.95	11.15	7.17	9.17	11.07	6.51	8.99
7	11.27	6.94	9.23	11.50	7.28	9.38	11.31	7.27	9.29	11.42	6.72	8.90
8	11.44	6.88	9.46	11.08	6.87	8.89	11.44	7.47	9.63	9.50	5.51	7.31
9	11.90	7.75	10.15	10.58	5.96	7.77	11.01	7.37	9.25	10.56	6.01	7.98
10	11.84	8.14	10.21	11.16	6.31	8.32	10.79	7.03	8.71	10.41	5.95	8.11
11	11.87	8.35	10.23	11.32	7.68	9.14	10.53	6.87	8.37	11.04	6.97	9.00
12	11.71	8.37	10.11	10.53	6.36	7.87	10.75	7.01	8.67	11.12	6.65	8.75
13	11.48	7.84	9.71	11.22	6.05	8.17	10.69	7.17	8.81	10.36	6.91	8.60
14	11.16	7.43	9.28	10.96	7.59	9.23	10.58	7.18	8.86	10.62	6.80	8.73
15	11.02	7.16	9.10	10.03	7.04	8.46	10.18	6.91	8.55	10.61	6.50	8.53
16	11.13	7.56	9.36	10.58	7.22	8.84	10.50	7.03	8.79	10.95	6.58	8.79
17	11.05	7.74	9.48	10.46	7.20	8.83	11.29	7.52	9.60	11.18	6.56	8.96
18	10.98	7.91	9.62	10.99	7.24	9.23	11.58	7.72	9.82	11.44	6.61	9.29
19	11.13	7.78	9.63	11.09	7.18	9.18	11.71	7.52	9.67	11.75	6.72	8.96
20	11.49	8.07	10.06	11.36	6.98	9.42	11.16	7.03	9.12	11.37	6.01	8.89
21	10.96	7.42	9.35	11.61	7.22	9.53	11.23	7.22	9.36	11.65	6.80	9.32
22	11.28	7.31	9.03	11.79	7.05	9.67	11.21	7.54	9.27	11.57	6.73	9.23
23	11.65	7.58	9.86	11.97	7.42	9.88	11.25	7.51	9.25	11.46	6.78	9.19
24	11.65	7.75	9.75	11.68	7.32	9.64	11.05	7.19	8.60	11.26	6.75	8.97
25	11.67	7.39	9.61	11.76	7.45	9.60	11.27	6.86	8.47	10.56	6.14	8.20
26	11.68	7.36	9.68	11.65	7.38	9.53	11.17	6.60	8.53	10.70	7.03	8.85
27	11.91	7.67	9.94	11.37	7.30	9.26	10.88	6.29	8.29	10.87	6.22	8.46
28	11.30	7.37	9.30	10.99	7.16	8.94	10.66	6.59	8.37	9.66	6.76	8.12
29	11.34	6.80	9.03	10.64	6.85	8.70	10.50	6.74	8.29	10.56	7.17	8.84
30	11.38	7.30	9.34	10.92	7.27	9.16	10.38	6.87	8.69	10.44	7.09	8.66
31	11.50	7.48	9.63	---	---	---	10.83	6.80	8.85	10.63	7.08	8.70
MONTH	11.91	6.80	9.61	11.97	5.96	9.01	11.71	6.29	8.95	11.75	5.51	8.74



## SANTEE RIVER BASIN

02171905 SOUTH SANTEE RIVER AT STATE PIER NEAR McCLELLANVILLE, SC

LOCATION.--Lat 33°09'15'', long 79°21'16'', Charleston County, Hydrologic Unit 03050112, near right bank in Santee Coastal Reserve, 0.8 mi upstream from Pleasant Creek, 2.1 mi upstream of Atlantic Intracoastal Waterway, 8.2 mi northeast of McClellanville, and at mile 7.2.

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

GAGE.--Water-stage recorder. Datum of gage is 19.55 ft below sea level (National Ocean Survey benchmark). Prior to Mar. 4, 1987 at site 2.1 mi downstream, at same datum.

REMARKS.--Gage height affected by tide and regulation from Lake Marion (see sta 02171000) and redirection from St. Stephens powerplant (see sta. 02171645).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 25.63 ft, Apr. 9, 1993, but may have been higher during period of no gage-height record Sept. 21- 22, 1989; minimum gage height, 15.13 ft, Jun. 10, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 24.88 ft, Nov. 23; minimum gage height, 17.94 ft, July 26.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.43	20.21	22.37	---	---	---	23.75	19.28	21.68	23.67	19.51	21.65
2	24.36	20.02	22.21	23.68	19.24	21.57	23.19	19.37	21.29	24.15	19.71	22.14
3	24.38	19.99	22.24	23.74	19.28	21.58	23.79	19.37	21.52	23.50	19.21	21.37
4	24.28	20.10	22.28	23.91	19.32	21.71	23.54	19.25	21.31	23.19	18.52	21.08
5	24.25	19.40	22.06	24.20	19.61	22.12	24.11	19.30	21.91	23.70	19.20	21.35
6	23.97	19.33	21.69	24.24	19.69	22.09	23.92	19.58	21.72	23.83	19.02	21.61
7	24.02	19.34	21.71	24.30	19.69	21.93	24.07	19.72	21.87	24.22	19.32	21.50
8	24.23	19.80	22.22	23.84	19.26	21.53	24.26	19.98	22.23	22.23	17.95	19.93
9	24.76	20.60	22.86	24.06	19.57	21.85	23.80	19.81	21.84	23.22	18.50	20.56
10	24.68	20.72	22.85	23.96	19.85	21.86	23.54	19.48	21.33	23.07	18.36	20.70
11	24.75	20.93	22.93	24.06	20.14	21.70	23.29	19.34	21.12	23.81	19.47	21.60
12	---	---	---	23.31	18.98	20.97	23.47	19.50	21.27	23.86	19.09	21.32
13	---	---	---	23.63	20.00	21.80	23.38	19.66	21.40	23.05	19.37	21.17
14	---	---	---	23.69	20.08	21.82	23.28	19.68	21.44	23.32	19.24	21.26
15	---	---	---	22.76	19.51	21.04	22.88	19.37	21.12	23.33	18.88	21.04
16	---	---	---	23.31	19.70	21.43	23.18	19.50	21.37	23.63	18.95	21.31
17	---	---	---	23.13	19.68	21.40	24.08	19.98	22.18	23.91	19.04	21.49
18	---	---	---	23.74	19.68	21.80	24.41	20.04	22.38	24.23	19.00	21.80
19	---	---	---	23.85	19.46	21.72	24.51	19.61	22.17	24.61	19.03	21.42
20	---	---	---	24.14	19.36	21.96	23.90	19.26	21.62	24.15	18.27	21.40
21	---	---	---	24.43	19.59	22.05	24.79	19.47	22.32	24.49	19.15	21.82
22	---	---	---	24.66	19.34	22.18	24.85	19.67	22.39	24.40	19.05	21.72
23	---	---	---	24.88	19.71	22.35	24.75	19.63	22.25	24.26	19.10	21.69
24	---	---	---	24.52	19.50	22.08	24.46	19.42	21.81	24.00	19.09	21.43
25	---	---	---	24.66	19.69	22.07	24.19	19.15	21.53	23.24	18.45	20.70
26	---	---	---	24.45	19.61	21.97	23.99	19.03	21.35	23.36	19.45	21.36
27	---	---	---	24.14	19.54	21.71	23.68	18.84	21.20	23.52	18.50	20.92
28	---	---	---	23.71	19.44	21.41	23.49	19.08	21.31	22.30	19.10	20.64
29	---	---	---	23.32	19.14	21.18	23.36	19.25	21.28	23.26	19.55	21.38
30	---	---	---	23.66	19.65	21.69	23.56	19.37	21.47	23.11	19.42	21.17
31	---	---	---	---	---	---	23.54	19.28	21.43	23.32	19.48	21.20
MONTH	24.76	19.33	22.31	24.88	18.98	21.74	24.85	18.84	21.65	24.61	17.95	21.28





## COOPER RIVER BASIN

## 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.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1941 to current year. Prior to October 1942, published as Pinopolis Reservoir.

GAGE.--Data collection platform. Datum of gage is sea level (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 from Lake Marion (see sta 02171000) and discharged through tailrace canal into West Branch Cooper River. Usable capacity, 32,400,000,000 ft<sup>3</sup> between elevation 60.0 ft (normal limit of drawdown) and 76.8 ft (maximum normal elevation). Dead storage, about 18,040,000,000 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, 78.30 ft, Sept. 21, 1989 (affected by high winds); minimum elevation, 58.52 ft, Dec. 21, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 75.89 ft, Mar. 25; minimum elevation, 71.67 ft, Feb. 1, 2.

Capacity Table

Elevation, in feet (sea level)	Usable contents, in billions of cubic feet
68.0	12.74
70.0	16.73
72.0	20.08

ELEVATION (FEET SEA LEVEL) WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.75	74.94	74.11	72.72	71.67	73.53	74.95	75.19	74.94	74.61	74.65	73.38
2	74.74	74.89	74.02	72.71	71.88	73.47	74.87	75.20	75.11	74.51	74.66	73.49
3	74.67	74.66	73.97	72.72	71.88	73.43	74.79	75.09	75.23	74.52	75.03	73.23
4	74.63	74.52	73.96	72.55	71.97	73.24	74.75	75.09	75.25	74.57	74.86	73.30
5	74.41	74.48	74.02	72.44	71.95	73.07	74.66	75.08	75.16	74.53	74.83	73.51
6	74.41	74.32	74.00	72.53	72.14	72.90	74.81	75.38	75.00	74.55	74.91	73.19
7	74.50	74.24	73.98	72.76	72.51	72.82	74.95	75.26	74.87	74.60	75.02	73.01
8	74.52	74.09	73.84	72.47	72.90	72.86	74.95	75.10	74.83	74.62	74.85	73.41
9	74.60	73.96	73.95	72.36	73.33	72.88	74.90	74.98	74.97	74.58	74.81	73.34
10	74.71	73.78	73.95	72.39	73.68	72.86	74.67	75.17	74.91	74.54	74.87	73.53
11	74.83	73.77	73.83	72.12	73.97	72.93	74.47	75.30	74.92	74.53	74.91	74.00
12	74.94	73.84	73.71	72.07	74.22	73.14	74.37	75.25	75.00	74.67	74.78	74.16
13	75.14	73.98	73.73	72.04	74.39	73.53	74.61	74.92	75.05	74.52	74.89	74.21
14	75.38	74.17	73.70	72.18	74.57	73.90	74.83	75.06	75.00	74.57	74.91	74.24
15	75.47	74.29	73.42	72.26	74.63	74.38	74.84	75.22	75.11	74.59	74.90	74.37
16	75.46	74.36	73.25	72.19	74.66	74.53	74.94	75.24	75.25	74.66	74.87	74.42
17	75.50	74.43	72.99	72.04	74.62	74.10	74.88	75.09	75.27	74.46	74.93	74.43
18	75.44	74.50	72.79	71.95	74.63	74.35	74.85	74.94	75.22	74.29	75.11	74.34
19	75.30	74.52	72.59	71.95	74.63	74.25	74.66	74.87	74.87	74.23	75.07	74.47
20	75.18	74.53	72.35	71.92	74.66	74.54	74.52	74.77	74.69	74.33	74.98	74.55
21	75.11	74.94	72.35	72.04	74.59	75.04	74.52	74.75	74.77	74.42	74.93	74.61
22	75.12	74.94	72.42	71.97	74.47	75.18	74.49	74.74	74.69	74.45	74.88	74.85
23	75.07	74.83	72.46	71.96	74.31	75.28	74.48	74.70	74.67	74.46	74.81	74.88
24	74.86	74.76	72.41	72.02	74.28	75.71	74.62	74.65	74.54	74.48	74.76	74.77
25	74.80	74.70	72.87	71.89	74.24	75.80	74.62	74.70	74.48	74.51	74.79	74.70
26	74.81	74.55	73.09	71.71	74.15	75.82	74.64	74.78	74.55	74.60	74.91	74.66
27	74.70	74.45	73.14	71.89	73.98	74.96	74.72	74.81	74.54	74.61	74.86	74.65
28	75.00	74.37	72.89	71.81	73.91	75.12	74.76	74.91	74.60	74.70	74.62	74.66
29	75.08	74.35	72.66	71.86	73.69	75.17	74.79	74.92	74.63	74.72	74.26	74.97
30	75.04	74.18	72.61	71.82	---	75.04	75.15	74.93	74.71	74.65	73.88	75.01
31	75.05	---	72.70	71.77	---	74.98	---	74.91	---	74.62	73.60	---
MAX	75.50	74.94	74.11	72.76	74.66	75.82	75.15	75.38	75.27	74.72	75.11	75.01
MIN	74.41	73.77	72.35	71.71	71.67	72.82	74.37	74.65	74.48	74.23	73.60	73.01
(+)	28.29	26.23	22.74	20.54	25.08	28.12	28.52	27.96	27.48	27.27	24.86	28.19
(*)	+291	-795	-1303	-821	+1812	+1135	+154	-209	-185	-78.4	-900	+1285

CAL YR 1995 \* -68.2 MAX 76.54 MIN 72.35

WTR YR 1996 \* +21.5 MAX 75.82 MIN 71.67

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

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



## COOPER RIVER BASIN

## 02172001 LAKE MOULTRIE TAILRACE NEAR PINOPOLIS, SC

LOCATION.--Lat 33°14'40'', long 79°59'30'', Berkeley County, Hydrologic Unit 03050201, at power plant 0.7 mi upstream from Seaboard Coast Line Railroad bridge and 2.8 mi northwest of Pinopolis.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1988 to current year. Data prior to October 1988 are in the files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 5.00 ft below sea level. Prior to Mar. 17, 1986, at same site at datum 5.00 ft. higher.

REMARKS.--Gage height affected by tide and regulation from Lake Moultrie (see station 02172000). Flow diverted to Santee River Basin for power generation since October 1986 (see station 02171645).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.67 ft, June 26, 1991; minimum gage height, 1.78 ft, Mar. 14, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.02 ft, Feb. 3; minimum gage height, 2.30 ft, Jan. 10.

## GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	10.64	6.23	7.99	10.10	5.81	7.88	8.93	4.83	6.97	9.15	4.68	6.81
2	10.99	6.48	8.39	10.23	5.53	7.95	8.96	4.88	6.83	11.32	4.92	7.44
3	10.32	6.54	8.62	9.49	5.59	8.00	7.85	4.54	6.29	11.56	5.20	8.41
4	10.56	6.40	8.55	7.94	4.78	6.60	8.39	3.95	6.38	11.23	4.16	7.40
5	11.01	6.51	9.04	10.55	4.88	7.54	9.68	4.09	7.03	10.60	4.93	7.41
6	8.35	5.19	7.12	10.38	5.61	7.80	10.50	4.84	7.51	8.30	4.46	6.63
7	9.70	5.17	7.89	10.08	5.48	8.28	11.59	5.10	8.30	10.08	5.27	7.29
8	10.36	5.40	7.52	9.30	4.80	7.44	9.47	5.96	7.83	10.32	5.02	7.13
9	9.25	5.85	7.87	9.01	6.16	7.57	8.46	5.58	7.23	7.71	3.67	5.91
10	11.01	6.35	8.76	9.17	5.90	7.63	10.74	4.38	7.50	6.98	2.30	5.65
11	10.13	6.52	8.43	10.13	5.22	7.30	9.78	5.88	7.67	10.32	5.83	7.95
12	9.75	6.64	8.25	8.18	4.13	6.19	9.93	5.71	7.17	9.68	5.09	7.22
13	10.99	6.18	8.66	8.76	5.46	7.17	7.62	4.68	6.27	10.27	4.48	6.76
14	9.53	6.10	7.71	10.27	5.58	7.57	10.36	5.05	7.02	7.60	3.90	6.17
15	10.60	6.44	7.98	9.57	4.99	7.13	9.37	5.31	7.29	7.81	3.90	6.44
16	9.32	5.68	7.43	9.36	5.07	7.24	7.56	4.23	6.21	9.12	3.53	7.28
17	10.61	5.85	7.90	10.18	5.17	7.57	11.43	4.07	7.67	10.87	4.84	7.46
18	11.82	6.05	8.42	8.70	5.40	6.95	9.52	5.37	7.41	9.70	4.53	7.56
19	9.55	5.84	7.59	7.98	4.76	6.48	10.02	5.45	7.78	11.02	5.08	8.20
20	10.16	6.21	8.13	9.26	4.16	6.78	11.19	4.81	7.67	8.81	2.94	6.37
21	8.11	5.24	6.99	8.94	4.54	7.29	11.76	5.08	7.92	9.47	4.27	7.12
22	9.31	4.95	7.12	9.89	5.71	7.97	10.06	4.99	8.10	9.79	4.75	7.11
23	9.41	5.15	7.52	9.50	5.20	7.91	10.55	5.27	8.01	10.31	5.19	7.38
24	9.43	5.44	7.89	10.50	6.22	8.52	8.62	5.04	7.14	10.47	5.60	7.67
25	9.11	5.06	7.70	9.17	5.44	7.76	8.03	4.24	6.37	10.21	5.59	7.67
26	9.67	5.75	8.15	8.81	5.56	7.46	8.32	3.62	6.57	9.00	5.43	7.42
27	10.58	6.97	8.65	10.16	5.67	7.51	10.10	5.63	7.67	9.93	3.10	6.75
28	9.26	5.53	7.58	10.36	4.82	7.13	10.85	5.74	8.13	9.24	3.10	5.99
29	8.92	4.93	6.91	11.18	5.10	7.85	11.06	5.59	7.98	9.30	3.82	6.47
30	9.68	5.57	7.47	10.30	5.29	7.37	7.95	5.06	6.58	9.25	4.73	6.50
31	9.38	5.97	7.61	---	---	---	8.00	4.47	6.54	9.91	4.34	6.68
MONTH	11.82	4.93	7.93	11.18	4.13	7.46	11.76	3.62	7.26	11.56	2.30	7.04

## COOPER RIVER BASIN

02172001 LAKE MOULTRIE TAILRACE NEAR PINOPOLIS, SC--Continued

GAGE HEIGHT, (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.27	3.84	7.79	10.18	4.67	7.32	10.04	5.35	7.30	10.09	4.19	7.01
2	11.98	5.42	8.28	8.20	5.27	6.81	10.92	4.83	7.57	10.27	5.42	8.02
3	12.02	5.70	8.11	8.73	4.27	6.52	8.69	5.21	6.95	11.61	6.11	8.76
4	9.33	5.66	7.10	9.81	3.51	6.90	9.57	4.83	7.43	11.45	5.24	8.55
5	11.02	6.32	8.70	9.63	4.54	6.92	9.01	4.57	7.37	11.18	5.08	7.39
6	9.49	4.44	6.73	9.27	4.15	7.08	10.23	4.60	6.74	11.57	4.77	8.08
7	8.79	4.27	6.46	10.37	4.49	7.21	8.42	4.63	6.55	8.38	4.84	6.67
8	9.12	4.41	6.47	9.63	2.60	6.11	8.64	5.08	7.06	11.03	5.23	7.54
9	7.50	3.01	5.76	10.34	4.27	6.26	9.71	5.08	7.37	10.34	4.70	7.01
10	9.81	4.33	6.50	7.61	4.49	6.19	11.11	5.66	8.59	9.56	4.21	7.15
11	8.94	4.16	6.43	11.09	4.65	7.45	10.54	5.41	7.75	7.90	4.43	6.43
12	10.48	4.31	6.95	10.48	4.74	6.98	10.79	5.07	7.74	10.80	4.40	8.02
13	11.21	4.40	6.59	10.99	4.79	7.11	7.52	3.62	6.01	11.18	5.19	7.54
14	9.83	3.73	6.06	11.02	4.56	7.06	8.45	3.89	6.24	9.74	5.32	7.10
15	9.57	3.19	6.90	9.95	4.33	7.45	10.39	4.49	7.68	9.56	5.00	7.05
16	10.45	4.14	7.32	7.68	4.07	6.17	9.21	4.64	7.10	10.80	4.97	7.42
17	9.17	3.45	6.53	10.67	3.98	6.91	9.27	3.99	6.70	11.48	4.85	8.31
18	8.58	3.26	6.19	11.79	4.37	8.43	8.74	4.87	7.28	11.26	4.87	7.86
19	8.42	4.88	6.92	11.01	5.64	8.15	11.45	5.50	8.42	11.18	4.90	7.54
20	9.90	4.66	7.04	9.61	4.16	6.95	11.58	4.85	8.27	11.04	5.56	7.70
21	11.15	4.93	7.43	9.52	2.31	5.57	9.55	4.54	6.76	8.89	5.28	7.08
22	9.29	5.58	7.47	9.63	4.18	6.46	11.07	4.09	7.45	9.82	4.90	7.06
23	10.68	5.43	8.16	8.06	4.57	6.35	7.71	3.57	5.85	9.65	5.17	7.14
24	7.87	3.23	5.89	8.24	4.18	6.75	8.99	2.72	5.89	9.80	5.17	7.11
25	10.43	4.07	6.53	10.78	4.35	7.16	8.30	4.15	6.25	9.93	4.44	6.66
26	9.71	4.24	6.48	9.63	4.95	6.77	9.60	4.48	7.28	9.21	5.02	7.01
27	10.60	3.73	6.86	11.11	4.75	8.00	7.03	3.70	5.69	9.92	5.24	7.54
28	9.18	3.44	6.39	8.66	4.89	6.64	8.62	3.99	6.45	9.25	4.55	6.85
29	10.61	3.14	6.81	9.63	4.44	6.44	10.78	4.73	6.83	10.74	5.42	7.95
30	---	---	---	9.32	4.83	7.29	9.09	5.08	6.91	9.58	5.72	7.87
31	---	---	---	10.97	5.43	7.35	---	---	---	11.26	6.27	9.06
MONTH	12.02	3.01	6.93	11.79	2.31	6.93	11.58	2.72	7.05	11.61	4.19	7.50
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		

## COOPER RIVER BASIN

## 02172002 LAKE MOULTRIE TAILRACE CANAL AT MONCK'S CORNER, SC

LOCATION.--Lat 33°12'54'', long 79°58'29'', Berkeley County, Hydrologic Unit 03050201, on upstream side of left fender pier, under U.S. Highway 52 bridge, 2.2 mi below Lake Moultrie Pinopolis Dam, and at mile 45.8

DRAINAGE AREA.--Indeterminate.

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

REVISED RECORDS.--WRD SC-95-1: 1992 - 94.

GAGE.--Two gages are used for computation of discharge at this station. The gages are located 2.2 mi upstream at Pinopolis Dam Tailrace (station 02172001) and 1.6 mi downstream at Stoney Landing (station 02172003).

REMARKS.--Discharge records computed by utilization of One-Dimensional unsteady flow simulation model. Flow affected by tide and regulation from Lake Moultrie (see sta. 02172000). During periods of incomplete gage-height record, values of daily mean discharge from Jefferies Hydro Plant were obtained from the South Carolina Public Service Authority. These values are shown as estimated daily discharges. Negative daily mean discharges are computed on many days, which are caused by two complete incoming and only one complete outgoing tide cycles during the day.

DISCHARGE FOR THE 1996 WATER YEAR WILL BE INCLUDED IN THE 1997 WATER RESOURCES

## COOPER RIVER BASIN

02172003 WEST BRANCH COOPER RIVER AT MONCK'S CORNER, SC

LOCATION.--Lat 33°11'34'', long 79°58'10'', Berkeley County, Hydrologic Unit 03050201, on right bank, 3.8 miles below Lake Moultrie Pinopolis Dam, and at mi 44.3.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1990 to current year. Records prior to October 1990 are in the files of the U.S. Geological Survey.

GAGE.--Data collection platform. Datum of gage is 21.99 ft below sea level.

REMARKS.--Gage height affected by tide and regulation from Lake Moultrie (see station 02172000). Flow diverted to Santee River Basin for power generation since October, 1986 (see station 02171645).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 28.47 ft, June 26, 1991; minimum gage height, 19.25 ft, Dec. 26, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 27.21 ft, Oct. 18; minimum gage height, 19.40 ft, Mar. 8.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	26.62	23.08	24.92	26.25	22.90	24.67	---	---	---	25.49	21.78	23.78
2	26.98	23.39	25.09	26.26	22.62	24.60	---	---	---	26.52	22.02	24.27
3	26.32	23.71	25.25	26.03	22.70	24.65	24.89	21.71	23.35	26.51	22.29	24.70
4	26.64	23.50	25.30	24.98	21.89	23.67	25.24	21.08	23.33	26.22	21.25	23.82
5	26.96	23.55	25.60	26.47	21.98	24.25	25.53	21.20	23.81	25.54	22.01	24.08
6	25.40	22.36	24.18	26.07	22.71	24.54	25.83	21.93	24.14	25.02	21.55	23.56
7	26.14	22.29	24.59	26.31	22.55	24.91	26.80	22.19	24.68	25.55	22.34	24.08
8	26.43	22.51	24.45	25.17	21.89	24.11	25.63	22.87	24.51	25.06	21.40	23.34
9	26.13	22.95	24.80	25.47	23.01	24.29	25.45	22.65	24.17	24.75	20.77	22.84
10	26.80	23.45	25.47	25.36	22.77	24.37	25.17	21.50	23.99	23.96	19.48	22.52
11	26.65	23.64	25.31	26.43	22.31	24.19	25.13	22.76	24.09	25.57	22.71	24.40
12	26.48	23.81	25.15	24.41	20.97	22.87	25.07	22.65	23.94	25.25	22.23	23.97
13	26.81	23.26	25.32	24.99	22.76	23.97	24.66	21.76	23.32	24.85	21.56	23.56
14	25.97	23.07	24.62	25.85	22.68	24.32	25.28	22.11	23.89	24.63	21.01	23.21
15	26.26	23.22	24.61	25.17	22.09	23.76	25.44	22.40	23.94	24.54	20.93	23.33
16	25.69	22.86	24.41	25.19	22.15	23.93	24.60	21.30	23.28	25.53	20.65	23.94
17	26.39	22.93	24.68	25.89	22.25	24.19	26.60	21.17	24.41	26.18	21.95	24.22
18	27.21	23.14	25.03	25.57	22.49	23.93	25.81	22.45	24.35	25.99	21.65	24.32
19	26.19	22.91	24.54	25.03	21.85	23.54	25.72	22.53	24.54	26.39	22.13	24.68
20	26.36	23.28	24.98	25.42	21.28	23.73	26.46	21.91	24.27	25.37	20.13	23.30
21	25.16	22.33	24.04	25.72	21.66	24.15	26.98	22.15	24.60	25.94	21.40	23.97
22	25.61	22.05	24.09	26.18	22.79	24.60	26.18	22.08	24.74	25.55	21.56	23.89
23	26.07	22.26	24.39	26.29	22.30	24.71	25.92	22.34	24.65	25.42	22.32	24.08
24	26.19	22.53	24.72	26.59	23.05	25.03	25.82	22.13	24.11	25.52	22.52	24.34
25	25.91	22.15	24.48	25.71	22.34	24.47	25.05	21.36	23.42	24.86	22.69	23.92
26	26.31	22.61	24.82	25.58	22.84	24.32	25.33	20.77	23.55	25.06	22.58	24.14
27	26.75	23.75	25.30	25.40	22.77	24.30	25.24	22.80	24.21	25.05	20.24	23.60
28	25.82	22.61	24.51	25.61	21.91	23.95	25.59	22.88	24.56	24.21	20.24	22.85
29	25.38	21.87	23.84	26.00	22.25	24.29	25.89	22.76	24.47	25.00	20.94	23.37
30	26.06	22.63	24.36	26.06	22.32	24.23	24.98	22.08	23.63	25.16	21.88	23.37
31	25.77	23.07	24.55	---	---	---	24.84	21.57	23.53	24.99	21.45	23.47
MONTH	27.21	21.87	24.75	26.59	20.97	24.22	26.98	20.77	24.05	26.52	19.48	23.77





## COOPER RIVER BASIN

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 Mepkin Creek, and at mile 36.7.

DRAINAGE AREA.--Indeterminate.

## GAGE HEIGHT RECORDS

PERIOD OF RECORD.--April 1989 to current year.

GAGE.--Data collection platform. Datum of gage is 18.50 ft below sea level.

REMARKS.--Gage height affected by tide and regulation from Lake Moultrie (see station 02172000). Flow diverted to Santee River Basin for power generation since October, 1986 (see station 02171645).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 24.38 ft, Sept. 22, 1989; minimum gage height, 15.41 ft, Mar. 14, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.19 ft, May 31; minimum gage height, 15.80 ft, Mar. 8.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22.71	19.79	21.46	---	---	---	21.83	18.78	20.41	21.57	18.68	20.36
2	23.02	19.79	21.56	---	---	---	21.42	18.85	20.19	22.61	18.90	20.80
3	22.91	20.55	21.61	22.23	19.53	20.94	21.47	18.55	20.01	22.14	19.14	20.84
4	23.03	20.33	21.68	21.57	18.76	20.34	21.64	17.99	19.93	22.00	18.13	20.16
5	23.01	20.33	21.86	22.51	18.85	20.76	21.97	18.12	20.34	22.04	18.88	20.57
6	22.00	19.17	20.82	22.43	19.55	21.06	22.23	18.82	20.60	21.79	18.44	20.20
7	22.35	19.13	20.95	22.45	19.39	21.19	22.42	19.03	20.93	---	---	---
8	22.42	19.32	21.00	21.83	18.73	20.53	22.28	19.29	20.97	---	---	---
9	22.54	19.79	21.37	22.10	19.19	20.75	22.06	19.54	20.78	---	---	---
10	22.96	20.29	21.84	22.00	19.14	20.80	21.83	18.41	20.31	20.62	16.37	19.07
11	22.79	20.53	21.80	22.49	19.13	20.71	21.53	18.95	20.30	21.93	19.02	20.63
12	22.98	20.67	21.68	21.01	17.13	19.30	21.63	19.13	20.35	21.87	19.13	20.40
13	22.84	20.09	21.66	21.60	19.49	20.42	21.23	18.63	19.99	21.14	18.42	20.05
14	22.45	19.67	21.17	21.64	19.49	20.68	21.60	18.94	20.38	21.22	17.92	19.87
15	22.11	19.51	20.90	20.89	18.99	20.03	21.53	19.05	20.26	21.11	17.61	19.86
16	22.11	19.79	20.96	21.21	18.99	20.26	21.19	18.09	19.95	21.66	17.58	20.29
17	22.21	19.77	21.11	21.66	19.11	20.48	22.19	18.09	20.86	22.12	18.87	20.66
18	22.79	19.96	21.43	21.63	19.33	20.52	22.22	19.30	20.94	22.36	18.57	20.78
19	22.50	19.74	21.18	21.60	18.75	20.21	22.20	19.38	20.99	22.56	18.95	20.86
20	22.81	20.10	21.49	22.10	18.18	20.34	22.20	18.80	20.60	21.79	17.10	19.89
21	21.78	19.17	20.76	22.17	18.56	20.65	23.15	19.03	21.08	22.27	18.36	20.48
22	22.19	18.91	20.69	22.82	19.32	21.04	22.56	18.95	21.11	22.16	18.26	20.43
23	22.56	19.14	20.96	22.78	19.18	21.19	22.49	19.21	21.05	22.00	19.00	20.48
24	---	---	---	22.78	19.25	21.28	22.44	18.99	20.71	22.02	18.86	20.65
25	---	---	---	22.35	19.02	20.91	21.63	18.27	20.06	21.28	18.40	19.95
26	---	---	---	22.20	19.35	20.80	21.86	17.71	20.10	21.57	19.42	20.51
27	---	---	---	21.95	19.54	20.68	21.58	19.15	20.45	21.58	17.13	20.01
28	---	---	---	21.49	18.76	20.33	21.66	19.36	20.69	20.38	17.39	19.31
29	---	---	---	21.27	19.20	20.39	21.42	19.58	20.65	21.04	17.84	19.91
30	---	---	---	21.87	18.89	20.69	21.60	18.63	20.30	21.10	18.62	19.90
31	---	---	---	---	---	---	21.40	18.45	20.15	21.14	18.31	19.91
MONTH	23.03	18.91	21.30	22.82	17.13	20.62	23.15	17.71	20.50	22.61	16.37	20.24



## COOPER RIVER BASIN

02172019 WEST BRANCH COOPER RIVER AT MEPKIN ABBEY NEAR CORDEVILLE, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1982 to September 1985, 1989 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1982 to September 1985, April 1989 to current year.

INSTRUMENTATION.--Data collection platform and mini-monitor.

EXTREMES FOR PERIOD OF RECORD.--

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

EXTREMES FOR CURRENT YEAR.--Maximum, 147 microsiemens, June 30, July 1; minimum, 78 microsiemens, Sept. 11.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	104	96	98	---	---	---	97	95	97	98	94	95
2	109	95	98	101	90	95	99	96	97	98	93	95
3	107	94	97	98	90	93	100	96	97	98	93	95
4	111	94	97	99	90	94	101	97	98	99	95	97
5	96	93	95	104	93	97	103	97	99	98	95	96
6	100	94	96	100	91	95	101	96	97	98	95	97
7	114	97	101	100	90	94	97	95	96	---	---	---
8	99	93	96	99	90	94	97	95	96	---	---	---
9	100	96	97	94	92	93	97	96	96	---	---	---
10	99	94	96	94	92	93	99	96	98	101	99	100
11	96	93	94	95	92	93	98	95	96	102	96	99
12	95	94	94	97	93	95	97	94	95	99	96	97
13	97	93	95	96	93	94	98	95	96	100	96	97
14	108	93	97	96	94	94	99	97	97	101	97	99
15	107	92	99	96	93	94	98	93	96	104	99	101
16	105	92	97	95	92	94	97	94	95	106	97	101
17	106	92	98	104	92	96	101	95	97	100	95	97
18	105	90	98	103	93	96	100	95	96	99	95	97
19	104	90	96	103	94	97	111	94	99	101	95	97
20	106	92	98	103	95	97	100	94	96	102	96	99
21	104	92	98	125	96	102	98	93	96	103	99	101
22	106	93	98	103	94	97	101	93	95	104	98	100
23	110	94	101	109	94	98	99	92	94	103	99	100
24	---	---	---	97	93	95	98	92	94	108	99	102
25	---	---	---	105	93	99	102	93	96	101	97	98
26	---	---	---	106	94	97	107	96	100	100	97	98
27	---	---	---	105	95	99	104	93	97	106	98	100
28	---	---	---	104	95	99	95	92	93	107	102	104
29	---	---	---	102	96	98	95	91	93	105	100	103
30	---	---	---	97	95	96	95	91	93	103	98	100
31	---	---	---	---	---	---	95	92	93	102	97	99
MONTH	114	90	97	125	90	96	111	91	96	108	93	99



## COOPER RIVER BASIN

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

LOCATION.--Lat 33°05'36'', long 79°56'57'', 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

DRAINAGE AREA.--Indeterminate.

## GAGE-HEIGHT RECORDS

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

GAGE.--Data collection platform. Datum of gage is 10.14 ft below sea level (U.S. Army Corps of Engineers bench mark). Prior to May 18, 1983, at site 0.5 mi upstream at datum 5.19 ft higher.

REMARKS.--Gage height affected by tide and regulation from Lake Moultrie ( see station 02172000). Flow diverted to Santee River Basin for power generation since October, 1986 ( see station 02171645).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 16.48 ft, Sept. 5, 1987; minimum gage height, 6.85 ft, Feb. 16, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.69 ft, May 31; minimum gage height, 7.36 ft, Mar. 8.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	14.13	11.30	12.89	13.78	11.22	12.51	13.27	10.29	11.85	12.95	10.19	11.81
2	14.40	11.24	12.97	13.73	10.94	12.33	12.82	10.34	11.62	13.97	10.41	12.25
3	14.42	11.90	13.02	13.65	11.00	12.34	12.92	10.10	11.49	13.51	10.65	12.21
4	14.45	11.83	13.09	13.03	10.27	11.81	13.03	9.51	11.38	13.37	9.67	11.61
5	14.40	11.82	13.25	13.90	10.36	12.21	13.42	9.65	11.79	13.50	10.45	12.05
6	13.45	10.66	12.28	13.90	11.04	12.50	13.66	10.32	12.03	13.32	10.02	11.71
7	13.86	10.59	12.37	13.76	10.90	12.59	13.80	10.53	12.32	13.57	10.76	12.07
8	13.81	10.80	12.44	13.26	10.21	11.95	13.72	10.75	12.41	12.46	8.66	10.82
9	14.04	11.28	12.82	13.54	10.50	12.18	13.55	11.01	12.22	12.60	8.82	10.85
10	14.31	11.79	13.25	13.44	10.60	12.22	13.32	9.93	11.74	12.25	7.98	10.58
11	14.21	12.02	13.22	13.85	10.63	12.14	12.98	10.19	11.70	13.42	10.44	12.07
12	14.47	12.03	13.12	12.46	8.54	10.77	13.05	10.40	11.76	13.36	10.65	11.85
13	14.21	11.58	13.05	13.06	10.83	11.86	12.67	10.16	11.47	12.63	9.99	11.53
14	13.85	11.16	12.61	13.10	11.02	12.10	13.02	10.46	11.81	12.71	9.50	11.39
15	13.54	10.88	12.29	12.34	10.49	11.44	12.91	10.43	11.65	12.60	9.17	11.35
16	13.55	11.29	12.40	12.67	10.54	11.67	12.64	9.62	11.42	13.09	9.17	11.74
17	13.50	11.28	12.53	13.02	10.62	11.87	13.51	9.66	12.30	13.59	10.40	12.11
18	14.14	11.46	12.84	13.07	10.85	11.97	13.64	10.83	12.40	13.83	10.11	12.23
19	13.92	11.26	12.63	13.06	10.27	11.69	13.64	10.89	12.42	13.93	10.47	12.28
20	14.25	11.60	12.92	13.51	9.72	11.80	13.54	10.30	12.00	13.19	8.62	11.39
21	13.23	10.70	12.17	13.57	10.07	12.07	14.51	10.51	12.51	13.71	9.90	11.95
22	13.55	10.41	12.14	14.24	10.67	12.45	13.98	10.44	12.51	13.64	9.80	11.90
23	13.99	10.62	12.41	14.20	10.65	12.60	13.91	10.70	12.47	13.45	10.26	11.93
24	13.98	10.88	12.57	14.18	10.56	12.65	13.90	10.47	12.14	13.43	10.36	12.05
25	13.96	10.50	12.35	13.83	10.52	12.32	13.09	9.78	11.53	12.65	9.50	11.32
26	14.08	10.45	12.57	13.65	10.67	12.23	13.27	9.23	11.54	12.99	10.76	11.91
27	14.37	11.27	12.96	13.40	10.96	12.09	13.05	10.35	11.84	13.01	8.67	11.42
28	13.86	10.95	12.39	12.93	10.24	11.73	13.13	10.68	12.07	11.84	9.10	10.76
29	13.44	9.78	11.82	12.71	10.63	11.74	12.87	11.12	12.02	12.46	9.42	11.37
30	13.47	11.03	12.26	13.22	10.31	12.10	13.06	10.04	11.77	12.50	10.15	11.35
31	13.72	11.24	12.51	---	---	---	12.86	9.98	11.62	12.59	9.84	11.35
MONTH	14.47	9.78	12.65	14.24	8.54	12.06	14.51	9.23	11.93	13.97	7.98	11.65





## COOPER RIVER BASIN

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

## WATER-QUALITY RECORDS

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

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1983 to current year.

pH: April 1983 to September 1993 (discontinued).

WATER TEMPERATURE: August 1975 to current year.

DISSOLVED OXYGEN: April 1983 to September 1993 (discontinued).

INSTRUMENTATION.--Data collection platform and mini-monitor.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 334 microsiemens, Sept 17, 1985; minimum, 40 microsiemens, Sept. 7, 1987.

pH: Maximum, 8.4 units, July 26, 27, 1988; minimum, 5.6 units, Sept. 7, 1987.

WATER TEMPERATURE: Maximum, 32.5°C, July 21, 1986; minimum, 2.5°C, Jan. 12 - 13, 1981, Dec. 25, 1989.

DISSOLVED OXYGEN: Maximum, 13.7 mg/L, Jan. 20, 23, 1988; minimum, 0.0 mg/L, Sept. 24, 25, 1989.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 286 microsiemens, July 1; minimum, 77 microsiemens, Sept. 12.

WATER TEMPERATURE: Maximum, 30.5°C, July 24, 25; minimum, 4.0°C, Jan. 9.

## SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	102	100	101	---	---	---	97	94	95	102	95	98
2	102	99	101	95	92	93	98	95	96	107	95	98
3	101	98	99	95	92	93	101	95	97	106	92	96
4	100	98	99	95	93	94	105	97	99	97	92	94
5	100	97	99	97	94	95	108	98	101	94	92	93
6	102	97	100	97	94	95	104	96	98	96	92	93
7	104	100	102	97	93	95	102	94	96	97	93	94
8	103	98	100	97	93	95	99	94	96	94	92	94
9	107	99	102	97	95	96	96	95	95	95	93	94
10	104	96	98	96	95	95	98	95	96	99	95	96
11	98	95	96	98	95	96	97	95	96	98	92	96
12	97	95	96	100	97	98	95	94	95	95	93	94
13	98	96	97	99	96	98	96	95	95	96	93	94
14	98	95	96	99	97	98	97	96	96	100	94	96
15	97	94	96	101	95	96	98	94	96	105	96	98
16	96	94	95	97	95	96	98	94	95	110	94	99
17	97	94	95	97	95	96	105	96	98	101	93	95
18	95	93	94	98	94	96	112	96	99	99	93	95
19	95	93	94	102	95	97	132	96	103	102	93	95
20	96	94	95	113	96	101	100	94	96	99	93	96
21	95	93	94	134	97	105	99	94	96	105	95	98
22	98	94	96	103	94	97	100	94	96	102	95	97
23	100	95	97	112	94	98	99	93	95	109	96	99
24	100	93	95	102	93	95	97	93	94	116	98	104
25	97	93	94	102	93	95	108	94	97	99	96	97
26	95	92	93	100	94	96	118	96	103	98	96	97
27	93	92	92	101	94	96	112	93	99	99	96	97
28	94	92	93	99	95	96	102	93	94	102	98	100
29	97	94	95	99	94	96	95	92	93	103	100	102
30	97	95	95	98	94	95	96	93	94	102	97	100
31	---	---	---	---	---	---	100	94	96	102	95	97
MONTH	107	92	97	134	92	96	132	92	97	116	92	97



## COOPER RIVER BASIN

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	24.0	22.5	23.0	21.5	20.5	21.0	13.0	11.0	12.0	8.5	8.0	8.5
2	24.0	23.0	23.5	21.5	21.0	21.0	13.5	12.0	12.5	8.5	8.0	8.5
3	24.0	22.5	23.5	21.5	21.0	21.5	14.0	12.0	13.0	9.5	8.0	9.0
4	23.5	23.0	23.0	22.0	19.5	21.0	14.0	13.0	13.5	8.0	6.5	7.0
5	23.5	23.0	23.5	19.5	18.0	18.5	14.5	13.0	13.5	8.0	6.5	7.0
6	24.5	23.5	24.0	19.0	17.5	18.5	14.0	13.5	14.0	9.0	6.5	8.0
7	25.0	24.0	24.5	20.5	18.5	19.0	14.0	11.5	13.0	8.5	6.0	7.5
8	25.0	24.0	24.5	20.5	18.0	19.0	12.0	10.5	11.5	6.0	4.5	5.0
9	25.0	24.0	24.5	18.0	16.0	17.0	12.0	11.5	12.0	6.0	4.0	5.0
10	24.5	23.5	24.0	18.0	15.5	17.0	11.5	10.0	10.5	6.5	5.0	6.0
11	24.5	23.5	24.0	18.0	17.0	17.5	10.0	8.5	9.5	7.0	5.0	6.0
12	24.0	23.5	24.0	17.0	14.5	15.5	10.5	8.5	9.5	6.5	6.0	6.5
13	24.0	23.0	23.5	15.5	14.5	15.0	11.0	9.0	10.0	7.0	5.0	6.0
14	24.5	23.5	24.0	15.5	14.0	15.0	11.0	10.5	10.5	7.5	5.5	6.5
15	24.5	22.5	23.5	14.0	12.5	13.5	11.5	10.5	11.0	8.5	6.5	7.0
16	23.0	21.5	22.0	14.0	12.0	13.0	12.5	11.0	11.5	8.5	7.5	8.0
17	22.5	21.0	22.0	13.5	12.5	13.0	12.5	11.0	12.0	8.0	7.0	7.5
18	22.5	21.0	21.5	14.0	12.5	13.0	12.5	11.0	11.5	8.0	7.5	8.0
19	22.5	21.5	22.0	14.5	12.5	13.5	12.5	11.5	12.0	10.5	7.5	9.0
20	22.5	22.0	22.0	14.5	12.5	13.5	12.0	10.0	11.5	8.0	6.0	7.0
21	22.5	20.5	21.5	15.0	13.5	14.5	10.0	9.0	9.5	8.0	7.0	7.5
22	22.0	19.5	20.5	14.0	12.0	13.0	9.0	8.0	8.5	7.5	5.5	6.5
23	21.5	20.0	21.0	14.0	11.5	12.5	9.0	8.0	8.5	8.0	6.5	7.0
24	22.0	21.0	21.5	14.0	12.5	13.0	8.0	7.0	7.5	8.5	7.5	8.0
25	22.5	21.5	22.0	13.5	11.5	12.5	7.5	6.0	6.5	8.5	6.5	7.0
26	23.0	22.0	22.5	13.0	11.0	12.0	7.0	5.5	6.5	8.0	6.5	7.0
27	23.0	22.0	22.5	13.5	11.5	12.5	7.0	5.5	6.5	10.0	8.0	8.5
28	23.0	21.5	22.5	14.0	13.0	13.5	7.0	6.0	6.5	9.0	7.5	8.0
29	21.5	19.5	20.5	14.5	13.0	14.0	7.0	5.5	6.5	9.0	7.5	8.5
30	21.0	19.5	20.0	13.0	11.5	12.0	8.0	6.0	7.0	9.5	9.0	9.0
31	21.0	20.5	20.5	---	---	---	8.5	8.0	8.0	10.0	9.0	9.5
MONTH	25.0	19.5	22.6	22.0	11.0	15.5	14.5	5.5	10.2	10.5	4.0	7.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.0	9.5	9.5	13.0	12.0	12.5	14.5	13.5	14.0	21.5	19.5	20.0
2	9.5	8.5	9.0	12.5	11.0	12.0	15.0	13.5	14.5	22.0	20.0	20.5
3	8.5	6.5	7.5	13.0	10.5	11.5	15.5	13.0	14.5	21.5	20.0	20.5
4	6.5	5.5	6.0	13.5	10.5	12.0	16.0	15.0	15.0	22.0	20.5	21.0
5	6.5	5.0	5.5	14.0	12.0	13.0	16.0	15.0	15.5	22.0	21.0	21.5
6	7.0	5.0	6.0	14.0	12.5	13.0	16.5	15.5	16.0	23.0	22.0	22.5
7	8.0	5.5	7.0	13.5	12.5	13.0	16.5	14.0	15.0	23.5	22.5	23.0
8	9.0	6.5	7.5	14.0	11.0	12.0	16.5	14.0	15.5	24.5	22.5	23.5
9	10.0	8.5	9.0	11.0	9.0	10.0	16.5	15.0	15.5	24.5	22.5	23.5
10	10.5	8.5	9.5	10.5	9.0	9.5	16.0	13.5	15.0	25.0	23.0	24.0
11	11.0	10.0	10.5	11.5	9.5	10.5	16.5	13.5	15.0	24.5	23.0	24.0
12	10.5	9.0	9.5	11.5	9.0	10.5	16.5	15.0	15.5	25.0	23.0	24.0
13	9.5	7.5	8.5	12.0	9.0	10.5	17.0	16.5	16.5	24.5	22.5	23.5
14	9.5	8.0	8.5	12.0	10.5	11.5	19.0	17.0	18.0	23.5	21.5	22.5
15	10.0	9.0	9.5	12.5	12.0	12.0	19.5	16.5	18.0	23.0	22.0	22.5
16	10.5	8.0	9.5	14.0	12.0	13.0	18.0	17.0	17.5	23.0	22.0	22.5
17	8.5	6.5	7.5	15.0	14.0	14.5	19.0	16.5	17.5	23.0	22.5	23.0
18	9.5	7.0	8.0	15.0	12.5	13.5	19.0	17.5	18.0	23.5	22.5	23.0
19	10.5	8.0	9.0	14.0	12.5	13.0	19.5	17.0	18.0	24.0	23.5	23.5
20	11.0	10.0	10.0	12.5	10.5	11.5	18.0	17.5	17.5	25.0	23.5	24.0
21	11.5	10.0	10.5	12.0	9.5	11.0	19.0	18.0	18.5	25.5	24.0	24.5
22	11.0	9.5	10.0	12.5	9.5	11.0	20.0	18.5	19.5	26.0	25.0	25.5
23	11.5	9.5	10.5	13.5	10.0	12.0	20.0	18.5	19.0	26.5	25.5	26.0
24	13.0	10.5	11.5	13.5	11.0	12.0	21.0	20.0	20.5	27.0	25.0	26.0
25	13.0	11.5	12.5	13.5	11.5	12.5	20.0	19.0	19.5	26.5	25.5	26.0
26	13.0	11.5	12.5	13.5	12.5	13.0	20.5	19.0	20.0	27.0	25.5	26.0
27	13.5	11.0	12.0	14.0	12.0	13.0	21.0	19.5	20.0	27.0	25.5	26.5
28	13.0	12.0	12.5	13.0	12.0	12.5	21.5	20.5	21.0	26.5	25.5	26.0
29	13.5	12.0	13.0	13.0	12.0	12.5	22.0	21.5	21.5	27.0	25.5	26.0
30	---	---	---	13.5	12.0	13.0	22.0	20.5	21.5	26.5	25.5	26.5
31	---	---	---	14.0	12.5	13.0	---	---	---	26.5	24.5	25.5
MONTH	13.5	5.0	9.4	15.0	9.0	12.1	22.0	13.0	17.4	27.0	19.5	23.8





## COOPER RIVER BASIN

02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, SC

LOCATION.--Lat 33°03'49'', long 79°57'26'', Berkeley County, Hydrologic Unit 03050201, on left bank of Durham Canal, 0.5 mi upstream of Secondary Road 9, and at mi 1.7.

DRAINAGE AREA.--Indeterminate.

## GAGE-HEIGHT RECORDS

PERIOD OF DAILY RECORD.--October 1990 to current year. Records prior to October 1990 are in the files of the U.S. Geological Survey.

GAGE.--Data collection platform. Datum of gage is 14.04 ft below sea level.

REMARKS.--Gage height affected by tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height 18.49 ft, Aug. 30, 1995; minimum gage height, 11.92 ft, Mar. 14, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.00 ft, Mar. 19; minimum gage height, 12.30 ft, Mar. 8.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	17.62	15.70	16.81	17.23	15.45	16.33	16.65	14.54	15.65	16.44	14.37	15.63
2	17.79	15.61	16.84	17.17	15.07	16.16	16.31	14.44	15.43	17.13	14.61	16.04
3	17.85	15.93	16.89	17.18	15.21	16.18	16.44	14.33	15.36	16.85	14.89	15.98
4	17.86	16.16	16.96	16.70	14.65	15.82	16.38	13.85	15.22	16.59	14.06	15.39
5	17.85	16.15	17.10	17.32	14.68	16.08	16.82	13.96	15.59	16.83	14.59	15.75
6	17.22	15.18	16.38	17.38	15.35	16.40	16.96	14.57	15.81	16.67	14.24	15.48
7	17.40	15.00	16.26	17.30	15.27	16.42	17.09	14.77	16.06	16.91	14.87	15.82
8	17.32	15.21	16.39	16.80	14.66	15.82	17.16	14.97	16.22	15.82	12.96	14.58
9	17.65	15.61	16.74	17.05	14.66	15.99	17.05	15.15	16.10	15.86	13.00	14.56
10	17.80	16.12	17.12	16.97	14.84	16.05	16.68	14.23	15.54	15.60	12.40	14.29
11	17.87	16.39	17.16	17.18	14.81	15.99	16.46	14.30	15.47	16.66	14.34	15.63
12	17.91	16.24	17.06	15.92	12.80	14.61	16.49	14.45	15.55	16.80	14.36	15.57
13	17.70	15.95	16.94	16.59	14.67	15.63	16.22	14.36	15.36	16.06	14.08	15.24
14	17.39	15.52	16.57	16.66	15.02	15.85	16.55	14.65	15.57	16.05	13.65	15.10
15	17.08	14.95	16.16	15.94	14.41	15.22	16.32	14.43	15.42	15.90	13.41	15.00
16	17.15	15.43	16.32	16.25	14.50	15.41	16.24	13.92	15.30	16.31	13.41	15.26
17	16.84	15.47	16.30	16.46	14.64	15.60	16.88	13.97	16.04	16.66	14.39	15.67
18	17.32	15.49	16.46	16.56	14.91	15.76	17.11	15.07	16.21	16.86	14.26	15.79
19	17.18	15.32	16.33	16.57	14.46	15.52	17.14	15.15	16.24	17.15	14.76	16.00
20	17.48	15.61	16.53	16.77	13.97	15.56	16.82	14.57	15.79	16.49	13.33	15.21
21	16.77	14.97	16.02	16.88	14.31	15.81	17.59	14.74	16.25	16.89	14.20	15.69
22	16.95	14.65	15.96	17.40	14.70	16.13	17.31	14.79	16.27	16.93	14.14	15.69
23	17.31	14.85	16.22	17.44	14.90	16.32	17.29	15.06	16.29	16.87	14.33	15.71
24	17.40	15.22	16.41	17.38	14.84	16.35	17.30	14.86	16.03	16.82	14.63	15.81
25	17.35	14.93	16.23	17.21	14.89	16.13	16.57	14.14	15.43	16.10	13.61	15.12
26	17.42	14.87	16.37	17.06	14.77	16.03	16.57	13.63	15.33	16.48	14.73	15.66
27	17.68	15.44	16.71	16.85	14.86	15.86	16.54	14.35	15.61	16.55	13.15	15.31
28	17.47	15.38	16.33	16.43	14.36	15.51	16.72	14.73	15.84	15.40	13.39	14.56
29	16.93	14.08	15.69	16.28	14.54	15.46	16.45	15.03	15.76	15.90	13.64	15.13
30	17.01	15.11	16.08	16.63	14.58	15.86	16.61	14.25	15.63	16.03	14.28	15.16
31	17.24	15.49	16.35	---	---	---	16.35	14.25	15.45	16.07	14.10	15.16
MONTH	17.91	14.08	16.51	17.44	12.80	15.86	17.59	13.63	15.74	17.15	12.40	15.39



COOPER RIVER BASIN  
02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, SC  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1981 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to current year.

pH: February 1981 to September 1993 (discontinued).

WATER TEMPERATURE: February 1981 to current year.

DISSOLVED OXYGEN: February 1981 to September 1993 (discontinued).

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 609 microsiemens, Oct. 21, 1991; minimum, 43 microsiemens Sept. 7, 1987.

pH: Maximum, 8.4 units, Oct. 4, 10, 1987, Mar. 8, 1988; minimum, 5.3 units Sept. 7-8, 1986, May 7, 1987.

WATER TEMPERATURE: Maximum, 33.0°C, July 20, 1986; minimum, 1.5°C, Dec. 26, 1989.

DISSOLVED OXYGEN: Maximum, 13.0 mg/L, Jan. 17, 1990; minimum, 0.0 mg/L, Sept. 23 - Oct. 5, 1989.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 416 microsiemens, July 1; minimum, 78 microsiemens, Sept. 13.

WATER TEMPERATURE: Maximum, 30.5°C, July 2, 30, 31; minimum, 5.5°C, Jan. 9, 10, Feb. 5, 6.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	105	100	102	106	95	100	111	103	107	135	105	117
2	106	102	103	109	94	100	108	104	106	168	109	130
3	106	100	103	109	92	99	115	104	108	144	102	126
4	105	99	102	113	93	101	137	108	117	129	102	110
5	104	98	101	113	96	102	166	111	129	106	101	103
6	110	98	104	103	97	100	143	111	125	111	101	105
7	111	98	104	114	93	101	116	103	113	136	102	111
8	111	100	104	110	93	101	112	103	106	112	101	106
9	107	100	102	111	94	99	107	103	105	106	101	104
10	108	96	102	109	94	99	110	103	106	112	103	107
11	101	95	99	110	94	100	109	102	105	111	105	108
12	100	95	98	118	97	105	106	102	104	109	101	105
13	105	96	99	99	96	97	106	102	104	107	101	103
14	108	95	100	100	96	98	107	103	105	112	102	108
15	113	96	104	102	95	98	107	104	106	138	106	116
16	108	95	100	101	95	96	108	102	106	179	110	134
17	104	95	98	97	95	96	140	105	119	142	106	121
18	98	94	96	98	95	96	236	109	148	143	104	120
19	100	93	96	108	96	100	319	123	175	159	101	123
20	98	93	95	169	100	124	160	111	129	125	102	115
21	105	95	98	359	115	183	126	108	119	158	109	128
22	109	95	102	164	107	137	175	108	135	133	108	120
23	120	100	107	213	107	144	144	105	121	145	107	123
24	127	96	109	143	97	123	121	104	111	180	113	141
25	117	95	106	122	98	107	147	105	118	139	106	115
26	110	93	102	114	97	103	183	113	138	108	102	105
27	105	92	97	115	98	105	155	109	128	112	103	105
28	110	92	99	115	99	105	129	100	112	114	105	108
29	114	96	105	112	101	107	108	100	104	113	108	111
30	107	96	101	109	102	105	106	101	103	114	109	112
31	104	96	100	---	---	---	119	103	109	123	107	113
MONTH	127	92	101	359	92	108	319	100	117	180	101	115





## COOPER RIVER BASIN

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	23.5	22.5	23.0	20.0	19.0	19.5	13.0	12.5	12.5	9.0	8.0	8.5
2	23.5	23.0	23.5	20.0	19.5	20.0	13.0	12.0	12.5	9.5	8.5	9.0
3	24.0	23.5	23.5	20.5	20.0	20.5	13.0	12.5	12.5	10.0	8.5	9.5
4	24.5	23.5	24.0	20.5	19.5	20.0	13.5	12.5	13.0	9.0	8.0	8.5
5	25.0	24.0	24.5	19.5	18.0	19.0	13.5	13.0	13.5	8.5	8.0	8.5
6	25.0	24.0	24.5	18.0	17.5	18.0	13.5	13.5	13.5	8.5	8.0	8.5
7	25.5	24.0	24.5	18.5	17.5	18.0	13.5	12.5	13.0	8.5	7.5	8.5
8	25.0	24.5	25.0	18.5	17.5	18.0	12.5	12.0	12.0	7.5	6.0	6.5
9	24.5	24.0	24.5	18.0	16.0	17.0	12.0	11.5	12.0	6.5	5.5	6.0
10	24.5	23.5	24.0	16.5	15.0	16.0	11.5	11.0	11.5	6.5	5.5	6.0
11	24.0	23.5	24.0	16.5	15.5	16.0	11.0	10.0	10.5	6.5	6.0	6.0
12	24.0	23.0	23.5	15.5	14.5	15.0	10.5	10.0	10.5	7.0	6.5	6.5
13	24.0	23.0	23.5	15.0	14.0	14.5	10.5	9.5	10.0	6.5	6.0	6.5
14	24.5	23.5	24.0	15.0	14.5	14.5	10.5	10.0	10.5	7.0	6.5	6.5
15	24.5	23.0	23.5	14.5	13.0	14.0	11.0	10.5	10.5	7.5	7.0	7.0
16	23.0	21.5	22.5	14.0	13.5	13.5	12.0	10.5	11.5	8.0	7.5	7.5
17	22.0	21.0	21.5	14.0	13.5	13.5	12.0	11.5	11.5	8.5	7.0	8.0
18	21.5	20.5	21.0	13.5	13.0	13.5	12.0	11.5	11.5	9.5	7.5	8.5
19	21.5	20.5	21.0	13.5	13.0	13.5	12.0	11.5	12.0	10.5	8.5	10.0
20	21.5	21.0	21.5	14.0	13.0	13.5	12.0	11.0	11.5	9.5	7.5	9.0
21	21.5	20.5	21.0	14.0	13.5	14.0	11.0	10.5	10.5	8.5	7.5	8.5
22	21.0	20.0	20.5	14.0	13.5	13.5	10.5	9.5	10.0	8.0	7.0	7.5
23	20.5	20.0	20.5	13.5	13.0	13.5	10.0	9.0	9.5	8.5	7.0	7.5
24	21.0	20.0	20.5	13.5	13.0	13.0	9.5	8.5	9.0	9.0	8.0	8.5
25	21.5	20.0	20.5	13.0	12.5	13.0	8.5	7.5	8.0	9.0	8.0	8.0
26	21.5	21.0	21.5	12.5	11.5	12.0	8.0	7.0	8.0	8.5	7.5	8.0
27	22.0	21.0	21.5	12.5	12.0	12.5	7.5	7.0	7.5	10.0	8.5	9.5
28	22.0	21.5	21.5	13.5	12.5	13.0	8.0	7.0	7.5	10.0	8.5	9.0
29	21.5	20.0	20.5	13.5	13.0	13.5	7.5	7.0	7.5	9.5	8.5	9.0
30	20.0	19.5	20.0	13.5	12.5	13.0	8.0	7.0	7.5	9.5	9.0	9.0
31	19.5	19.5	19.5	---	---	---	8.5	7.5	8.0	10.5	9.0	9.5
MONTH	25.5	19.5	22.4	20.5	11.5	15.3	13.5	7.0	10.6	10.5	5.5	8.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.0	9.5	10.0	12.5	12.0	12.0	16.0	14.0	15.0	21.0	20.0	20.5
2	10.0	9.0	9.5	12.5	11.5	12.0	16.5	14.0	15.0	21.0	19.5	20.5
3	9.0	7.5	8.5	13.0	11.0	12.0	17.0	14.5	15.0	21.5	20.0	21.0
4	7.5	6.5	7.0	13.0	11.0	12.0	18.0	15.0	16.0	22.5	20.5	21.5
5	6.5	5.5	6.0	13.5	12.0	12.5	18.5	16.0	17.0	23.5	21.5	22.5
6	7.0	5.5	6.5	14.0	13.0	13.5	17.0	15.5	16.5	24.5	23.0	23.5
7	7.0	6.0	6.5	14.5	13.0	13.5	16.5	15.0	15.5	24.0	23.0	23.5
8	8.0	6.5	7.0	13.5	11.5	12.5	16.5	15.5	16.0	25.0	23.5	24.0
9	9.0	8.0	8.5	11.5	10.5	11.0	16.5	15.5	16.0	25.0	23.5	24.5
10	9.5	8.5	9.0	11.0	10.0	10.5	16.0	15.0	15.0	25.5	24.0	25.0
11	10.0	9.5	10.0	10.0	9.5	10.0	15.5	14.5	15.0	25.5	24.0	25.0
12	10.0	8.5	9.5	10.0	9.5	10.0	16.5	15.0	15.5	25.5	24.0	24.5
13	9.0	8.0	8.5	11.0	9.5	10.5	17.5	15.5	16.5	24.0	22.5	23.5
14	9.0	8.0	8.5	12.0	10.5	11.0	19.0	16.5	17.5	23.0	22.0	22.5
15	10.0	8.5	9.0	13.5	11.5	12.5	19.5	17.5	18.5	22.5	21.5	22.0
16	10.0	8.5	9.5	14.5	12.0	13.5	19.0	17.0	18.0	23.5	22.0	23.0
17	9.0	8.0	8.5	14.5	13.5	14.0	18.5	16.5	17.5	24.5	23.0	23.5
18	9.0	7.5	8.5	14.5	12.5	14.0	19.0	17.5	18.0	25.5	23.5	24.5
19	9.5	8.5	9.0	14.0	12.5	13.0	19.0	17.5	18.5	27.0	24.5	25.5
20	11.0	9.5	10.0	13.0	11.5	12.5	20.0	17.5	18.5	26.5	25.0	25.5
21	11.5	10.0	10.5	11.5	10.5	11.0	21.0	18.0	19.0	26.5	25.0	26.0
22	11.5	9.5	10.5	11.5	10.5	11.0	21.0	19.0	20.0	27.0	25.5	26.5
23	11.5	10.0	11.0	12.0	10.5	11.5	21.0	19.0	20.0	---	---	---
24	13.0	10.5	11.5	13.0	11.5	12.0	21.0	19.5	20.5	---	---	---
25	13.0	12.0	12.0	13.5	12.5	12.5	20.5	20.0	20.5	27.5	26.0	27.0
26	13.0	12.0	12.5	14.0	12.5	13.5	21.0	19.5	20.0	27.5	26.5	27.0
27	13.5	11.5	12.5	14.0	12.0	13.0	21.0	19.0	20.0	28.0	26.5	27.0
28	14.0	12.0	13.0	12.5	11.5	12.0	21.5	20.0	21.0	27.5	26.0	27.0
29	13.5	12.0	13.0	13.5	12.0	12.5	22.5	21.0	21.5	27.5	26.0	27.0
30	---	---	---	14.0	12.5	13.0	22.0	21.0	21.5	27.0	25.5	26.5
31	---	---	---	15.0	13.0	14.0	---	---	---	26.0	24.5	25.5
MONTH	14.0	5.5	9.5	15.0	9.5	12.2	22.5	14.0	17.8	28.0	19.5	24.3





## COOPER RIVER BASIN

02172050 COOPER RIVER NEAR GOOSE CREEK, SC

LOCATION.--Lat 33°03'27'', long 79°56'11'', 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.

DRAINAGE AREA.--Indeterminate.

## GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--October 1981 to current year.

GAGE.--Data collection platform. Datum of gage is 14.34 ft below sea level (U.S. Army Corps of Engineers bench mark).

REMARKS.--Gage height affected by tide and regulation from Lake Moultrie (see station 02172000). Flow diverted to Santee River Basin for power generation since October, 1986 (see station 02171645).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.31 ft, Sept. 5, 1987; minimum gage height, 10.49 ft, Mar. 14, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.92 ft, May 31; minimum gage height, 11.03 ft, Mar. 8.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	18.38	14.82	16.80	17.84	14.18	16.31	17.41	13.59	15.84	17.42	13.69	15.89
2	18.51	14.70	16.81	17.73	14.08	16.12	17.08	13.59	15.53	17.89	13.98	16.33
3	18.66	14.83	16.87	17.72	14.06	16.07	17.42	13.52	15.59	17.40	14.23	15.94
4	18.43	15.06	16.95	17.50	13.77	15.87	17.29	13.16	15.43	17.30	13.15	15.46
5	18.42	15.04	16.98	17.91	13.86	16.22	17.72	13.19	15.85	17.77	13.89	15.86
6	17.80	13.94	16.20	18.15	14.36	16.39	17.69	13.78	15.95	17.51	13.51	15.74
7	18.10	13.90	16.18	18.05	14.24	16.35	17.83	14.06	16.11	17.97	13.74	15.93
8	18.07	14.02	16.35	17.44	13.47	15.75	18.14	14.43	16.38	16.61	11.88	14.45
9	18.50	14.67	16.82	17.93	13.86	16.07	17.86	14.35	16.18	16.84	12.40	14.76
10	18.55	15.20	17.12	17.84	14.15	16.11	17.58	13.58	15.61	16.88	11.83	14.62
11	18.52	15.56	17.10	17.87	14.40	15.99	17.36	13.53	15.52	17.62	13.80	15.88
12	18.62	15.42	17.08	16.88	12.30	14.85	17.32	13.87	15.62	17.64	13.46	15.65
13	18.29	15.24	16.88	17.45	14.11	15.87	17.14	13.92	15.58	16.96	13.73	15.46
14	18.04	14.77	16.47	17.53	14.67	16.02	17.29	14.22	15.77	17.08	13.31	15.43
15	17.65	14.22	16.09	16.73	13.74	15.25	16.91	13.72	15.47	17.03	12.82	15.28
16	17.81	14.82	16.37	17.07	14.02	15.56	17.02	13.37	15.50	17.16	13.37	15.61
17	17.75	14.96	16.48	17.02	14.12	15.71	17.62	14.29	16.34	17.56	13.62	15.91
18	18.08	15.21	16.73	17.42	14.00	15.99	18.02	14.46	16.47	17.86	13.33	16.08
19	18.01	14.95	16.64	17.53	13.77	15.79	18.11	14.28	16.36	18.23	13.62	15.90
20	18.32	15.30	16.88	17.71	13.28	15.88	17.57	13.43	15.77	17.50	11.82	15.30
21	17.59	14.24	16.17	17.90	13.44	16.01	18.54	13.69	16.41	17.88	13.24	15.81
22	17.81	13.98	16.17	18.38	13.34	16.27	18.31	13.68	16.36	18.04	12.99	15.74
23	18.15	14.02	16.36	18.51	13.87	16.45	18.31	13.82	16.31	17.89	13.18	15.80
24	18.20	14.22	16.38	18.30	13.70	16.32	18.10	13.66	15.99	17.77	13.62	15.85
25	18.19	13.74	16.19	18.24	13.81	16.12	17.65	13.11	15.52	17.00	12.20	15.05
26	18.29	13.70	16.30	18.11	13.77	16.09	17.62	12.72	15.50	17.31	13.94	15.75
27	18.56	14.32	16.68	17.86	13.73	15.92	17.50	13.19	15.64	17.36	12.26	15.22
28	18.19	13.99	16.13	17.40	13.54	15.60	17.46	13.77	15.84	16.18	13.07	14.76
29	17.91	13.23	15.74	17.13	13.33	15.45	17.27	14.07	15.77	16.88	13.89	15.47
30	17.92	14.32	16.20	17.39	13.81	15.96	17.40	13.66	15.82	16.93	13.54	15.37
31	18.08	14.60	16.44	---	---	---	17.34	13.71	15.71	17.03	13.50	15.33
MONTH	18.66	13.23	16.53	18.51	12.30	15.95	18.54	12.72	15.86	18.23	11.82	15.54



COOPER RIVER BASIN  
02172050 COOPER RIVER NEAR GOOSE CREEK, SC--Continued  
WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1970 to current year.  
pH: July 1981 to September 1993 (discontinued).  
WATER TEMPERATURE: October 1970 to current year.  
DISSOLVED OXYGEN: July 1981 to September 1995 (discontinued).

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 4,270 microsiemens, Oct. 8, 1985; minimum, 30 microsiemens, Sept. 2 - 4, 1987.  
pH: Maximum, 8.5 units, Sept. 29, 30, 1981; minimum, 5.3 units, May 29, 30, 1993.  
WATER TEMPERATURE: Maximum, 32.0°C, July 20, 21, 1986; minimum, 3.0°C, Jan. 16, 1988.  
DISSOLVED OXYGEN: Maximum, 15.2 mg/L, Feb. 4, 5, 1994; minimum, 0.0 mg/L, Oct. 2, 7, 8, 1989.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,790 microsiemens, June 28; minimum, 74 microsiemens, June 22, July 18, 19.  
WATER TEMPERATURE: Maximum, 30.5°C, July 31, Aug. 1; minimum, 6.0°C, Jan. 9, 10, Feb. 5, 6.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	134	86	107	194	84	137	134	90	112	296	112	199
2	140	86	112	166	84	121	134	96	114	552	130	300
3	124	84	104	108	82	92	168	96	126	493	125	258
4	116	84	99	96	78	87	250	104	169	147	103	127
5	108	84	93	202	84	124	438	108	239	133	102	119
6	100	82	88	200	90	143	436	118	251	160	102	123
7	96	82	89	214	92	132	336	102	178	250	112	162
8	116	82	93	114	82	93	178	94	132	132	102	112
9	184	84	113	138	84	111	168	94	126	117	97	108
10	214	86	140	122	84	104	138	92	113	160	104	116
11	202	84	129	134	80	96	116	90	99	221	109	155
12	156	84	113	92	84	88	104	90	96	215	102	152
13	144	84	109	106	84	95	106	92	97	144	100	124
14	102	82	91	140	86	114	149	95	118	187	108	139
15	96	82	86	118	84	97	147	93	121	324	111	202
16	92	82	86	112	84	98	132	93	115	465	118	279
17	100	82	90	116	82	99	678	96	274	387	113	226
18	130	82	99	140	82	106	1030	104	537	326	108	195
19	116	82	96	262	86	155	1150	139	553	435	99	182
20	194	84	127	700	106	317	405	117	249	204	95	134
21	156	82	115	1040	124	550	404	107	224	340	116	199
22	290	84	161	914	126	435	458	110	236	347	119	225
23	506	102	267	788	122	372	340	106	205	366	128	249
24	542	108	276	514	104	256	264	101	169	504	139	289
25	370	96	208	292	96	160	251	105	176	309	101	160
26	294	90	161	200	90	139	368	123	225	177	93	133
27	216	86	136	188	102	142	342	128	247	150	92	117
28	172	84	110	172	96	134	272	112	191	112	92	103
29	116	86	98	152	96	126	173	108	139	179	92	126
30	148	90	114	130	92	111	137	99	122	197	101	148
31	202	90	142	---	---	---	196	107	147	197	99	144
MONTH	542	82	124	1040	78	161	1150	90	190	552	92	171





## COOPER RIVER BASIN

02172050 COOPER RIVER NEAR GOOSE CREEK SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	23.5	23.0	23.0	20.0	19.5	20.0	13.5	13.0	13.0	9.0	8.5	8.5
2	23.5	23.0	23.5	20.5	20.0	20.0	13.0	12.5	13.0	9.5	9.0	9.0
3	23.5	23.0	23.5	20.5	20.0	20.5	13.0	12.5	13.0	10.0	9.5	10.0
4	24.0	23.5	23.5	20.5	19.5	20.5	13.5	13.0	13.0	9.5	9.0	9.0
5	24.0	23.5	24.0	20.0	18.5	19.5	13.5	13.0	13.5	9.0	8.5	9.0
6	24.5	24.0	24.0	19.0	18.0	18.5	14.0	13.5	13.5	9.5	8.5	9.0
7	25.0	24.0	24.5	18.5	17.5	18.0	14.0	13.0	13.5	9.5	8.0	9.0
8	25.0	24.5	24.5	18.5	17.5	18.0	13.0	12.5	12.5	8.0	6.5	7.0
9	24.5	24.5	24.5	17.5	17.0	17.5	13.0	12.0	12.5	7.0	6.0	6.5
10	24.5	24.0	24.5	17.5	16.0	16.5	12.5	11.5	12.0	7.0	6.0	6.5
11	24.5	24.0	24.0	17.0	16.0	16.5	11.5	10.5	11.0	7.5	6.5	7.0
12	24.0	23.5	24.0	16.5	15.5	16.0	11.0	10.0	10.5	7.0	7.0	7.0
13	24.5	23.5	24.0	16.0	15.0	15.5	11.0	10.5	11.0	7.5	6.5	7.0
14	24.5	23.5	24.0	15.5	14.5	15.0	11.5	10.5	11.0	7.5	7.0	7.0
15	24.0	23.0	23.5	15.0	14.0	14.5	11.5	11.0	11.0	8.0	7.5	7.5
16	23.5	22.5	23.0	14.0	13.5	14.0	12.0	11.5	11.5	8.0	7.5	8.0
17	23.0	22.0	22.5	13.5	13.0	13.5	12.0	12.0	12.0	8.5	8.0	8.0
18	22.0	21.0	21.5	13.5	13.0	13.0	12.5	12.0	12.0	9.5	8.0	8.5
19	21.5	21.0	21.5	13.5	13.0	13.0	12.5	12.0	12.0	10.5	9.0	10.0
20	21.5	21.0	21.5	13.5	13.0	13.5	12.5	11.0	12.0	10.0	8.5	9.5
21	21.5	21.0	21.0	14.0	13.5	13.5	12.0	11.0	11.5	10.0	8.5	9.5
22	21.0	20.5	21.0	13.5	13.5	13.5	11.5	10.0	10.5	9.5	7.5	8.5
23	21.0	20.5	20.5	13.5	13.0	13.5	10.5	9.5	10.0	9.0	8.0	8.5
24	21.0	20.5	20.5	13.5	13.0	13.5	10.0	9.0	9.5	9.5	8.5	9.0
25	21.5	20.5	21.0	13.5	12.5	13.0	9.5	8.5	9.0	9.0	8.0	8.5
26	21.5	21.0	21.5	13.0	12.0	12.5	9.0	8.0	8.5	9.0	7.5	8.5
27	22.0	21.5	21.5	13.0	12.5	13.0	9.0	7.5	8.0	9.5	8.5	9.5
28	22.0	21.5	22.0	13.5	13.0	13.0	8.5	7.5	8.0	9.5	9.0	9.5
29	21.5	20.5	21.0	14.0	13.5	13.5	8.0	7.0	7.5	9.5	9.0	9.5
30	21.0	19.5	20.5	13.5	13.0	13.5	8.0	7.5	7.5	9.5	9.0	9.5
31	20.5	19.5	20.0	---	---	---	8.5	8.0	8.0	10.0	9.0	9.5
MONTH	25.0	19.5	22.6	20.5	12.0	15.5	14.0	7.0	11.0	10.5	6.0	8.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.0	9.5	10.0	13.5	12.5	13.0	15.5	14.0	14.5	---	---	---
2	10.0	9.0	9.5	13.0	12.0	13.0	15.5	15.0	15.0	21.5	20.5	21.0
3	9.5	8.0	8.5	13.0	12.0	12.5	16.0	15.0	15.5	22.0	21.0	21.5
4	8.0	7.0	7.5	13.0	12.0	12.5	17.0	15.5	16.0	23.0	21.5	22.0
5	7.0	6.0	6.5	13.5	12.5	13.0	17.5	16.0	17.0	24.0	22.0	23.0
6	6.5	6.0	6.5	14.0	13.5	13.5	17.0	16.5	17.0	24.5	23.0	23.5
7	7.0	6.5	6.5	15.0	13.5	14.5	17.0	15.5	16.5	24.5	23.5	24.0
8	8.0	6.5	7.0	14.5	12.5	13.5	17.0	16.0	16.5	25.0	24.0	24.5
9	9.0	7.5	8.0	13.5	11.0	12.5	16.5	16.0	16.5	25.5	24.5	25.0
10	9.5	8.0	9.0	12.5	10.5	11.5	16.5	15.0	15.5	25.5	25.0	25.0
11	10.5	9.0	9.5	12.0	10.0	11.0	16.0	15.0	15.5	25.5	25.0	25.5
12	10.5	9.0	10.0	11.0	10.0	10.5	16.5	15.5	16.0	25.5	24.5	25.0
13	9.5	8.5	9.0	11.0	10.5	10.5	17.0	16.0	16.5	25.0	23.0	24.0
14	9.5	8.5	9.0	12.0	11.0	11.0	18.0	16.5	17.5	24.0	22.5	23.0
15	9.5	8.5	9.0	13.0	11.5	12.0	19.5	17.5	18.5	23.0	22.0	22.5
16	10.0	9.0	9.5	14.0	13.0	13.5	19.0	18.0	18.5	23.5	22.5	23.0
17	9.0	8.5	9.0	14.5	13.5	14.0	18.5	17.0	18.0	24.5	23.0	23.5
18	9.0	8.0	9.0	14.5	14.0	14.5	19.0	18.0	18.5	25.0	24.0	24.5
19	9.5	8.5	9.0	14.5	13.5	14.0	19.5	18.5	19.0	26.0	24.5	25.0
20	10.5	9.5	10.0	13.5	12.0	12.5	19.5	18.0	19.0	26.0	25.5	26.0
21	11.5	10.5	11.0	12.5	11.0	12.0	20.0	18.5	19.5	26.5	25.5	26.0
22	11.5	10.5	11.5	12.5	11.0	12.0	21.0	19.5	20.5	27.5	26.0	26.5
23	12.0	11.0	11.5	12.5	11.5	12.0	21.5	20.0	21.0	27.5	26.5	27.0
24	12.5	11.0	12.0	13.5	11.5	12.5	21.5	20.5	21.0	28.0	27.0	27.5
25	13.0	12.0	12.5	13.5	12.5	13.0	21.5	20.5	21.0	27.5	26.5	27.5
26	13.5	12.5	13.0	14.5	13.5	14.0	21.0	20.0	21.0	28.0	27.0	27.5
27	13.5	13.0	13.0	14.5	12.5	14.0	21.0	20.0	20.5	28.0	27.0	27.5
28	13.5	13.0	13.5	14.0	12.5	13.0	---	---	---	28.0	27.0	27.5
29	13.5	13.0	13.5	13.5	12.5	13.0	---	---	---	28.0	27.0	27.5
30	---	---	---	13.5	13.0	13.5	---	---	---	27.5	26.0	27.0
31	---	---	---	14.0	13.5	13.5	---	---	---	26.5	25.5	26.0
MONTH	13.5	6.0	9.8	15.0	10.0	12.8	21.5	14.0	17.8	28.0	20.5	25.0



## COOPER RIVER BASIN

02172053 COOPER RIVER AT MOBAY NEAR NORTH CHARLESTON, SC

LOCATION.--Lat 32°59'00'', long 79°55'23'', Berkeley County, Hydrologic Unit 03050201, on right bank of Cooper River, 9.9 mi from confluence of East and West Branch Cooper River and at mile 19.4.

DRAINAGE AREA.--Indeterminate.

## GAGE-HEIGHT RECORDS

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

GAGE.--Data collection platform. Datum of gage is 6.38 feet below sea level (U.S. Army Corps of Engineers bench mark).

REMARKS.--Gage height affected by tide and regulation from Lake Moultrie (see station 02172000). Flow diverted to Santee River Basin for power generation since October, 1986 (see station 02171645).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.24 ft, Sept. 22, 1989; minimum gage height, 1.75 ft, Mar. 13, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.22 ft, May 31; minimum gage height, 2.41 ft, Mar. 8.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	10.81	5.64	8.43	10.05	4.63	7.82	9.83	4.25	7.49	---	---	---
2	10.81	5.38	8.36	9.93	4.43	7.65	9.42	4.36	7.22	---	---	---
3	10.88	5.47	8.44	9.96	4.43	7.63	9.88	4.34	7.36	9.75	4.31	7.43
4	10.70	5.41	8.54	9.95	4.43	7.62	9.71	4.25	7.16	9.45	3.85	7.13
5	10.80	5.09	8.44	10.31	4.74	7.93	10.09	4.17	7.63	9.93	4.67	7.47
6	10.28	4.36	7.76	10.47	4.76	7.99	10.04	4.57	7.59	9.97	4.42	7.55
7	---	---	---	10.54	4.71	7.84	10.03	4.71	7.67	10.52	3.96	7.47
8	10.52	4.35	7.98	9.74	4.02	7.34	10.48	5.53	8.25	8.54	3.04	5.93
9	11.02	5.30	8.56	10.28	4.78	7.76	10.10	5.21	7.81	9.13	3.82	6.48
10	11.06	5.68	8.72	10.14	5.15	7.76	9.78	4.77	7.27	9.24	3.56	6.47
11	---	---	---	10.24	5.54	7.56	9.58	4.76	7.20	9.81	5.29	7.56
12	---	---	---	9.24	4.26	6.79	9.61	4.91	7.29	9.93	4.50	7.27
13	---	---	---	9.74	5.47	7.63	9.52	5.31	7.39	9.28	5.02	7.21
14	---	---	---	9.88	5.79	7.75	9.53	5.35	7.49	9.45	4.84	7.19
15	---	---	---	9.06	5.07	7.05	9.14	4.92	7.12	9.43	3.98	6.97
16	---	---	---	9.37	5.08	7.17	9.31	4.76	7.27	9.64	4.28	7.24
17	---	---	---	9.33	5.09	7.37	10.09	5.40	8.05	10.09	4.02	7.50
18	---	---	---	9.77	4.87	7.70	10.55	4.88	8.17	10.37	3.96	7.67
19	---	---	---	9.94	4.30	7.52	10.68	4.28	7.96	10.95	3.32	7.24
20	---	---	---	10.12	4.30	7.61	---	---	---	10.19	2.48	6.95
21	---	---	---	10.44	4.26	7.62	---	---	---	10.59	3.71	7.37
22	---	---	---	10.76	3.62	7.82	---	---	---	10.52	3.48	7.26
23	---	---	---	11.06	4.28	7.97	---	---	---	10.45	3.92	7.36
24	---	---	---	10.76	4.02	7.72	---	---	---	10.26	3.88	7.32
25	10.60	4.21	7.76	10.77	4.16	7.58	---	---	---	9.40	3.31	6.61
26	10.68	4.22	7.81	10.66	4.44	7.62	---	---	---	9.66	4.75	7.36
27	11.01	4.84	8.15	10.36	4.46	7.49	---	---	---	9.72	3.56	6.77
28	10.46	4.42	7.54	9.84	4.23	7.21	---	---	---	8.47	4.37	6.58
29	10.30	4.34	7.41	9.49	4.05	7.02	---	---	---	9.28	4.99	7.26
30	10.42	5.28	7.89	9.73	4.72	7.58	---	---	---	9.29	4.62	7.11
31	10.41	5.20	8.05	---	---	---	---	---	---	9.42	4.39	7.05
MONTH	11.06	4.21	8.11	11.06	3.62	7.57	10.68	4.17	7.55	10.95	2.48	7.13



## COOPER RIVER BASIN

02172053 COOPER RIVER AT MOBAY NEAR NORTH CHARLESTON, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1983 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1983 to current year.

pH: June 1983 to July 1993 (discontinued).

WATER TEMPERATURE: June 1983 to current year.

DISSOLVED OXYGEN: June 1983 to September 1993 (discontinued).

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 37,500 microsiemens, May 9, 1995; minimum, 31 microsiemens, Apr. 23, May 5, 1996.

pH: Maximum, 8.3 units, Oct. 8, 9, 1987, Jan. 15, 16, Feb. 14, 28, 29, 1988; minimum, 5.7 units, Sept. 8, 1987.

WATER TEMPERATURE: Maximum, 32.5°C, July 21, 1986; minimum, 4.5°C, Jan. 17, 1988.

DISSOLVED OXYGEN: Maximum, 13.6 mg/L, Jan. 5, 1984; minimum, 1.5 mg/L, Oct. 8, 1989.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 32,500 microsiemens, Nov. 21; minimum, 31 microsiemens, Apr. 23, May 5.

WATER TEMPERATURE: Maximum, 30.5°C, several days in June, July, Aug.; minimum, 6.5°C, several days in Jan. Feb.

## SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	9120	153	1580	7740	208	2570	7780	127	2270	---	---	---
2	18300	176	3120	4900	138	1220	5900	144	1680	---	---	---
3	6880	157	1510	2220	121	585	9580	141	3000	11000	406	3080
4	3060	148	790	6540	98	1100	11500	236	3890	3240	170	981
5	2600	130	576	9980	148	3600	14300	303	5270	6260	146	1250
6	849	99	326	10100	270	2970	13100	501	4000	7140	115	2110
7	956	114	444	9480	224	2240	8780	288	2100	13300	229	3550
8	857	111	417	1300	128	424	9040	190	2150	935	114	351
9	6220	171	1490	6360	102	1160	8580	182	1980	3820	108	771
10	9700	320	2350	6720	107	1390	7900	143	1710	7380	117	2080
11	7780	231	1420	11200	110	2350	4200	117	1080	10400	313	3820
12	9220	158	1820	4840	96	1230	6120	105	1220	9800	161	2470
13	9320	145	1820	10500	144	3510	8240	116	2160	6000	150	1790
14	---	---	---	16100	247	5550	11100	210	4560	11800	290	4620
15	---	---	---	7380	146	1730	20400	150	4480	12900	327	5150
16	---	---	---	10700	146	3620	18900	150	4430	13400	327	5360
17	---	---	---	9660	138	3740	18500	178	8820	12100	393	3290
18	13600	184	3430	14000	133	5270	19800	837	8880	10700	279	3060
19	13100	136	2280	16800	218	6790	18200	1040	6760	11000	268	2560
20	---	---	---	17900	467	8020	---	---	---	4540	140	1300
21	---	---	---	32500	922	10400	---	---	---	9320	260	2590
22	---	---	---	14800	928	5530	---	---	---	8020	336	2430
23	---	---	---	13900	674	4420	---	---	---	7440	379	2510
24	12800	603	4440	9040	489	2440	---	---	---	7980	492	2840
25	11200	402	2870	7300	262	1560	---	---	---	2040	213	719
26	8100	306	2320	6340	193	1370	---	---	---	2680	156	892
27	8320	218	1870	8360	192	1580	---	---	---	4820	121	1030
28	2780	148	844	4720	183	1280	---	---	---	2780	113	700
29	6540	112	1170	2740	144	995	---	---	---	9580	113	4640
30	9780	162	2490	4460	127	1020	---	---	---	10300	266	3680
31	10500	247	3550	---	---	---	---	---	---	13300	211	3520
MONTH	18300	99	1870	32500	96	2990	20400	105	3710	13400	108	2520





## COOPER RIVER BASIN

02172053 COOPER RIVER AT MOBAY NEAR NORTH CHARLESTON, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	24.0	23.5	23.5	20.5	20.0	20.5	13.5	13.0	13.5	---	---	---
2	24.0	23.5	24.0	20.5	20.0	20.5	13.5	13.0	13.5	---	---	---
3	24.0	23.5	24.0	20.5	20.0	20.5	13.5	13.0	13.0	10.0	9.5	9.5
4	24.0	23.5	24.0	20.5	19.5	20.5	13.5	13.0	13.0	9.5	9.5	9.5
5	24.5	24.0	24.0	20.0	18.5	19.5	13.5	13.0	13.5	9.5	9.0	9.5
6	24.5	24.5	24.5	19.0	18.5	19.0	13.5	13.5	13.5	9.5	9.0	9.0
7	25.0	24.5	24.5	19.0	18.5	18.5	13.5	13.0	13.5	9.5	9.0	9.0
8	25.0	24.5	25.0	18.5	18.0	18.0	13.5	13.0	13.0	9.0	7.5	8.0
9	25.0	24.5	24.5	18.0	17.5	17.5	13.0	12.5	13.0	7.5	6.5	7.0
10	25.0	24.5	24.5	17.5	17.0	17.0	13.0	12.0	12.5	8.0	6.5	7.0
11	25.5	24.5	25.0	17.5	16.5	17.0	12.0	11.5	11.5	8.0	6.5	7.0
12	25.5	24.5	25.0	17.0	16.0	16.5	12.0	11.0	11.5	7.5	7.0	7.5
13	---	---	---	16.5	15.5	16.0	12.0	10.5	11.0	7.5	7.0	7.0
14	---	---	---	16.5	15.0	16.0	12.0	11.0	11.5	8.0	7.0	7.5
15	---	---	---	15.5	14.5	15.0	12.0	11.5	11.5	8.0	7.5	7.5
16	---	---	---	15.0	14.0	14.5	12.5	11.5	12.0	8.0	8.0	8.0
17	---	---	---	14.5	13.5	14.0	12.5	12.0	12.0	8.5	8.0	8.0
18	22.5	21.5	22.0	14.5	13.5	14.0	12.5	12.0	12.0	10.0	8.5	9.0
19	22.5	21.0	21.5	14.5	13.5	14.0	12.5	12.0	12.5	10.5	9.5	10.0
20	---	---	---	14.5	13.5	14.0	---	---	---	10.0	9.5	10.0
21	---	---	---	14.5	13.5	14.0	---	---	---	10.0	9.5	9.5
22	---	---	---	14.0	13.5	14.0	---	---	---	9.5	9.0	9.0
23	---	---	---	14.0	13.5	13.5	---	---	---	10.0	9.0	9.0
24	21.5	20.5	21.0	14.0	13.5	13.5	---	---	---	10.0	9.0	9.5
25	21.5	20.5	21.0	13.5	13.0	13.5	---	---	---	9.5	9.0	9.5
26	22.0	21.0	21.5	13.5	12.5	13.0	---	---	---	10.0	9.0	9.5
27	22.5	21.5	21.5	13.5	12.5	13.0	---	---	---	10.5	9.5	10.0
28	22.0	21.5	22.0	14.0	13.0	13.5	---	---	---	10.0	9.5	10.0
29	21.5	21.0	21.5	14.0	13.5	13.5	---	---	---	10.0	9.5	10.0
30	21.0	20.5	21.0	13.5	13.5	13.5	---	---	---	10.5	10.0	10.0
31	21.0	20.5	20.5	---	---	---	---	---	---	10.5	10.0	10.5
MONTH	25.5	20.5	23.0	20.5	12.5	15.9	13.5	10.5	12.5	10.5	6.5	8.8
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.5	10.0	10.5	14.0	13.5	13.5	14.5	13.5	14.0	22.0	21.5	22.0
2	10.5	10.0	10.5	13.5	13.0	13.5	15.0	14.0	14.5	22.0	21.5	22.0
3	---	---	---	13.5	13.0	13.0	15.0	14.5	15.0	22.0	21.5	22.0
4	---	---	---	13.0	12.5	13.0	16.0	15.0	15.5	22.5	21.5	22.0
5	---	---	---	13.5	12.5	13.0	17.0	15.5	16.0	23.0	22.5	23.0
6	7.5	6.5	7.0	14.0	13.5	13.5	17.0	16.0	16.5	24.0	23.0	23.5
7	7.5	6.5	7.0	14.5	14.0	14.5	16.5	16.0	16.5	24.5	23.5	24.0
8	8.0	7.0	7.5	14.5	13.5	14.0	17.0	16.0	16.5	25.0	23.5	24.5
9	8.5	7.5	8.0	14.0	12.5	13.0	16.5	16.0	16.5	25.5	24.0	24.5
10	9.0	8.0	8.5	13.5	12.0	12.5	16.5	15.5	16.0	25.5	24.5	25.0
11	10.0	9.0	9.5	12.5	11.0	12.0	16.5	15.5	16.0	25.5	25.0	25.5
12	10.0	9.5	9.5	12.0	10.5	11.5	16.5	15.5	16.0	26.0	25.0	25.5
13	10.0	9.0	10.0	11.5	10.5	11.0	17.0	16.0	16.5	25.5	24.5	25.0
14	10.0	9.5	9.5	11.5	10.5	11.0	18.0	17.0	17.5	24.5	23.5	24.0
15	10.0	9.5	10.0	12.5	11.0	12.0	18.5	17.5	18.0	24.0	23.0	23.5
16	10.5	9.5	10.0	13.5	12.0	12.5	19.0	18.5	18.5	24.0	23.0	23.5
17	9.5	9.5	9.5	13.5	13.0	13.5	19.0	18.5	19.0	24.0	23.5	24.0
18	9.5	9.0	9.5	14.0	13.5	14.0	20.0	18.5	19.0	24.5	24.0	24.5
19	9.5	9.0	9.5	14.5	14.0	14.0	19.5	19.0	19.5	26.0	24.5	25.0
20	10.5	9.5	10.0	14.0	13.0	13.5	20.0	19.5	19.5	26.0	25.0	25.5
21	11.0	10.0	10.5	13.5	12.0	12.5	21.0	19.5	20.0	26.5	25.5	26.5
22	11.5	11.0	11.5	13.0	12.0	12.5	21.0	20.0	20.5	27.5	26.0	26.5
23	12.5	11.5	12.0	13.0	12.0	12.5	21.5	20.5	21.0	27.5	26.5	27.0
24	13.0	12.0	12.5	13.0	12.0	12.5	21.5	21.0	21.0	28.0	26.5	27.5
25	13.5	12.5	13.0	13.5	12.5	13.0	21.5	20.5	21.5	28.0	27.0	27.5
26	14.0	12.5	13.0	14.5	13.0	14.0	22.0	21.0	21.5	28.0	27.0	27.5
27	14.0	13.0	13.5	14.5	14.0	14.0	22.0	21.5	21.5	28.0	27.0	27.5
28	14.5	13.5	14.0	14.5	13.5	14.0	22.0	21.0	21.5	28.0	27.5	28.0
29	14.0	13.5	14.0	14.0	13.5	14.0	22.5	21.5	22.0	28.0	27.5	28.0
30	---	---	---	14.0	13.5	13.5	22.5	21.5	22.0	28.0	26.5	27.5
31	---	---	---	14.0	13.5	13.5	---	---	---	27.0	26.0	26.5
MONTH	14.5	6.5	10.4	14.5	10.5	13.0	22.5	13.5	18.3	28.0	21.5	25.1



## COOPER RIVER BASIN

021720710 COOPER RIVER AT CUSTOMS HOUSE (AUX) AT CHARLESTON, SC

LOCATION.--Lat 32°46'50'', long 79°55'31'', Charleston County, Hydrologic Unit 03050201, at South Carolina State Ports Authority Dock, 0.25 mi east of Customs House, and at mile 0.6.

PERIOD OF RECORD.--Water years 1987 to current year.

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (Top): October 1986 to current year.  
 SPECIFIC CONDUCTANCE (Bottom): October 1986 to current year.  
 WATER TEMPERATURE (Top): March 1993 to September 1995 (discontinued).  
 WATER TEMPERATURE (Bottom): March 1993 to September 1994 (discontinued).  
 DISSOLVED OXYGEN (Top): March 1993 to September 1995 (discontinued).  
 DISSOLVED OXYGEN (Bottom): March 1993 to September 1994 (discontinued).

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (Top): Maximum, 55,900 microsiemens, Aug. 28, 1990; minimum, 6,520 microsiemens, Sept. 6, 1987.  
 SPECIFIC CONDUCTANCE (Bottom): Maximum, 64,300 microsiemens, May 5, 1989; minimum, 11,400 microsiemens, Sept. 7, 1987.  
 WATER TEMPERATURE (Top): Maximum, 32.0°C, Aug. 1, 1993; minimum, 6.5°C, Jan. 20 - 24, 1994.  
 WATER TEMPERATURE (Bottom): Maximum, 30.0°C, July 18, 19, 25, 1994; minimum, 5.5°C, Jan. 22, 23, 1994.  
 DISSOLVED OXYGEN (Top): Maximum, 15.3 mg/L, Feb. 10, 1994; minimum, 3.6 mg/L, June 15, 1993.  
 DISSOLVED OXYGEN (Bottom): Maximum, 13.3 mg/L, Jan. 26, 1994; minimum, 4.0 mg/L, July 22, Aug. 12, 1994.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE (Top): Maximum, 52,900 microsiemens, July 2; minimum, 23,200 microsiemens, Oct. 7.  
 SPECIFIC CONDUCTANCE (Bottom): Maximum, 51,800 microsiemens, May 8; minimum, 24,100 microsiemens, Oct. 6.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

TOP

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	41400	26500	33500	44400	33700	38600	44200	31900	37200	42600	31600	36500
2	40900	28400	33700	44200	33600	38800	43400	32100	36700	44600	33700	38500
3	40800	29000	33500	44600	32500	38600	45400	33100	38200	42900	32900	37600
4	39900	27800	33600	44800	32600	38000	46000	33100	38600	41400	30300	36100
5	40700	26100	33200	47300	32300	40000	47700	32000	39600	42600	31400	35800
6	38600	23500	30700	47300	34700	40100	46400	35300	40000	43000	31100	36000
7	40500	23200	31600	47600	34500	39400	46300	34500	39600	44800	32700	36900
8	41700	23300	32500	44700	30200	36600	47600	32100	39100	38200	28800	33600
9	44800	26100	35000	45700	30100	36400	45200	33800	38000	39500	29000	33600
10	46200	29400	35900	43800	31100	35200	43600	32900	36700	42000	28000	34800
11	43400	27200	34400	40900	28600	34900	40800	31100	35600	44400	32700	37000
12	44300	29200	34100	41000	28300	33300	39800	30800	34900	44200	34100	38100
13	40900	30000	33500	41000	29400	34900	40300	30500	34800	42800	34300	37700
14	37100	29200	32400	41000	30200	36700	41700	32500	35500	43200	34500	38200
15	39600	24500	31300	40200	31200	36800	40800	33000	35800	43500	35300	38700
16	39900	24900	32000	42400	31800	36600	40700	32400	35700	45300	34100	39600
17	37100	26900	31700	42100	33900	37200	45100	34100	38700	47400	34100	40000
18	38500	27100	32500	44900	32900	37400	47600	34100	40200	48700	34000	40600
19	40800	30100	34400	45400	36700	40800	47800	34700	40500	49900	33800	40600
20	41200	30800	34300	47500	37100	41700	45900	34600	39600	49300	31200	40100
21	41000	33100	36600	49600	37600	42900	48600	33400	41000	49800	32700	41200
22	43000	30700	37000	50200	37200	43300	48900	33700	40900	50000	33600	40900
23	44900	31200	37600	50700	37500	43300	48800	32600	40400	49100	33700	40800
24	45400	30600	37200	50000	36600	42300	48900	31800	39100	47900	35200	40900
25	45900	30700	37500	49900	33300	40800	47100	32100	38500	45800	31600	37300
26	46300	31300	38000	48900	33500	39900	47200	31300	38600	44500	30300	36700
27	45900	31000	38200	47100	32700	38800	45100	32700	37800	42900	28800	35600
28	43500	29900	35500	44300	31900	37300	44200	31200	36500	40000	26900	33500
29	42900	27400	33600	43800	29400	36100	42900	30500	35100	42700	30500	35800
30	45600	28100	36100	43800	31000	36400	41300	30200	34700	43400	31900	36100
31	45500	33600	38800	---	---	---	41600	31600	35500	41900	32600	37200
MONTH	46300	23200	34500	50700	28300	38400	48900	30200	37800	50000	26900	37600







## COOPER RIVER BASIN

021720710 COOPER RIVER AT CUSTOMS HOUSE (AUX) AT CHARLESTON, SC--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	<u>BOTTOM</u>											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	41300	29200	35000	45500	32400	39200	45500	33500	39500	44300	35400	39800
2	40900	28600	34000	44900	33500	38800	43500	32900	39100	44900	36000	40200
3	41300	28200	34200	44600	32700	38600	45900	32900	39600	42000	34500	37800
4	39900	27600	33700	45300	31700	38800	45500	33800	39600	40500	33600	36800
5	39300	25800	32300	48000	31600	40400	47800	34800	40900	41500	32900	36600
6	40400	24100	31400	47800	34100	40200	46800	35500	41000	41300	31500	36300
7	40700	24200	31900	48300	34600	39800	45900	35000	40500	42300	33300	36900
8	41900	25300	33900	45100	31600	38600	47600	35800	41600	38600	31100	34700
9	43700	27400	35900	46400	32600	38800	45600	34500	40500	40600	29800	35400
10	43800	28500	36500	44800	34300	38600	43800	34300	38900	43700	31800	37600
11	42900	30100	35300	43300	32800	37300	43000	34000	38000	44900	36300	40700
12	42300	31100	35900	40300	31000	36100	42900	33600	38000	45200	35000	40000
13	39600	30100	34400	42600	33300	38200	42900	34900	38800	44100	36500	40500
14	36900	28200	32600	43300	35100	39500	42000	33900	38300	44700	36100	40400
15	42200	26700	33900	44300	32900	38700	41500	34300	37900	45300	35200	40300
16	41600	26700	35900	43400	32500	38600	41900	33900	38400	46900	36200	40900
17	41900	28300	35000	43900	35800	39300	46500	35200	40600	48400	36000	41200
18	41700	25900	37200	44400	35500	39700	47500	35800	41200	48400	35900	41600
19	41000	27100	35100	45500	34100	39700	47300	35300	40800	49300	35000	41100
20	41400	29800	35700	46600	34100	41300	45900	34700	40000	48600	31900	40800
21	39400	29800	34600	49000	37500	42900	48500	34900	41700	49900	34400	41900
22	40700	29200	34500	49500	37100	43300	49000	34900	41600	49700	34300	41900
23	42500	29300	34600	49800	37300	43300	49000	34400	41300	49200	35400	41800
24	40400	29000	34300	49100	36600	42300	48800	33000	40200	49100	35500	41200
25	42200	27500	34100	49100	34100	40700	48000	33000	39900	45500	32500	39300
26	40700	26900	34200	48100	34700	40400	47600	33200	40000	45100	34300	40000
27	43000	27400	36200	46500	32800	39400	46300	34300	40000	43200	32300	37400
28	43800	28700	36800	45200	33300	38600	45400	34000	40000	42300	32300	37600
29	44000	32000	37600	44000	33500	38600	44200	32300	39400	44900	36000	41400
30	46000	33100	39900	45900	34300	39700	43700	32300	39100	45100	37700	41600
31	45900	32700	38900	---	---	---	45000	35300	39700	45100	37200	40600
MONTH	46000	24100	35000	49800	31000	39600	49000	32300	39900	49900	29800	39500
DAY	<u>BOTTOM</u>											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	46400	36500	41000	47700	35400	42700	44300	35800	40300	49900	36900	42500
2	45600	36600	41100	48800	39100	42900	46700	36400	40700	49700	35700	42600
3	45600	35400	40700	46600	38600	42000	46500	35800	40900	50200	35100	42000
4	44500	34800	39600	48300	37900	42300	45700	34700	39900	49100	29900	39200
5	44500	32300	38600	47800	38600	42600	47500	33000	39200	48000	28200	37500
6	44300	31500	37600	47200	36600	41600	49700	33700	40900	49700	29200	37600
7	43700	32200	38000	46700	35600	40800	49700	34800	41900	51200	31900	41200
8	44000	33000	37900	46100	31300	38400	49500	35000	41600	51800	35000	42000
9	42300	32100	37000	46600	32800	38500	48500	35400	41000	50700	34100	41600
10	44200	35500	39800	47100	33300	38700	47500	35900	41300	48400	33700	41100
11	43700	34600	39100	47100	36300	40300	47200	34500	40500	47900	34000	41100
12	45000	35400	39100	49800	38100	42600	45100	33000	38700	50400	33600	42700
13	45000	34900	39600	47300	37500	41900	43700	32200	38300	51400	35900	43900
14	46100	34800	39200	46100	36800	41100	46300	32100	39100	48400	35500	41600
15	48700	36300	41300	46400	35500	40800	47500	33500	40500	48100	33300	40200
16	49400	34800	41500	47500	35500	41000	47100	32400	39100	47400	33900	39800
17	50300	35000	42200	49000	36000	41700	48300	32800	40200	46100	34100	39300
18	51400	35200	42500	49900	35300	41800	48800	34200	40500	45700	31700	38400
19	51500	35500	43600	50100	34400	41300	48700	32600	40300	45800	33000	38100
20	50200	36600	42800	47100	29400	37300	47100	33200	39600	44400	32800	37600
21	50000	35100	42000	47300	30100	37100	47000	33400	39100	44100	31600	37400
22	49100	34900	41500	47200	32600	38800	47800	33700	40000	44000	31500	37300
23	47700	34900	40500	46200	33600	39200	47000	32500	40700	44700	33400	38800
24	46700	32200	37900	45300	32900	38300	47200	33700	42900	45100	33800	38700
25	44800	33600	38500	---	---	---	48300	40000	44500	43100	34500	38400
26	45200	33500	38900	---	---	---	47500	36500	43400	43600	35200	39600
27	44900	32100	39000	44700	30000	36500	47600	39100	43700	42700	34200	38600
28	45400	34200	39700	47400	30400	39300	47700	38800	44100	44200	35000	38800
29	45900	33400	40500	45500	33700	39900	47400	39300	43300	45000	35700	39800
30	---	---	---	45100	33700	39600	47000	37500	41800	48100	35600	41000
31	---	---	---	46300	36300	40400	---	---	---	48500	36500	41900
MONTH	51500	31500	40000	50100	29400	40300	49700	32100	40900	51800	28200	40000

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	48500	33000	40900	49200	36500	42300	50400	34000	41700	49300	35800	42200
2	48600	35100	41100	49200	36600	42700	49500	34400	41300	48700	35800	41300
3	51200	36100	42300	50300	37100	43500	48300	33600	40000	46100	32700	38600
4	51000	37600	43700	50300	36600	43600	47500	33100	39600	44500	31700	38200
5	51000	36800	43300	50200	36600	42500	47500	34600	39300	44100	32100	37700
6	50300	36200	42400	47800	36400	41800	45700	34700	39500	41100	31900	36600
7	50000	34900	41100	47400	36400	41700	46300	34600	40600	43600	31900	37100
8	47400	33100	40200	46800	35800	41100	46500	36000	40900	44400	31400	37300
9	46400	34200	39600	45900	35000	40100	45800	34400	39900	43800	32100	37400
10	47500	31700	39100	46800	35200	40400	45700	34700	39700	43400	29400	36800
11	47700	32700	39400	48800	35300	42000	48000	34400	39900	43400	29400	35700
12	48400	33000	39200	48300	36100	42100	46000	33200	39800	43400	29500	35800
13	46800	33700	39000	46300	34600	39500	46500	31800	37200	43600	28800	35200
14	47400	33100	39200	46500	35600	39800	47000	31600	39100	46500	28600	36300
15	47100	33600	39100	46500	35200	39700	45700	32900	39700	44900	28800	36100
16	46000	34200	39700	45400	33800	39500	44900	31700	39100	44400	28700	35400
17	45200	34300	39300	---	---	---	---	---	---	45200	28600	34700
18	47600	33000	39900	---	---	---	---	---	---	46700	30400	37600
19	47100	36200	39800	---	---	---	---	---	---	47900	32800	39700
20	44500	34400	38000	---	---	---	---	---	---	47400	31700	39000
21	42400	33500	37700	---	---	---	---	---	---	45700	31500	38200
22	42600	33500	37600	---	---	---	47000	34900	40700	45300	30300	38000
23	44200	32000	38700	---	---	---	46300	34400	39900	47000	34500	39400
24	44700	33600	38900	---	---	---	47700	34600	40200	49000	34800	41100
25	44400	32900	38600	---	---	---	48100	32900	40200	49100	34300	40500
26	49000	35500	41000	46500	33100	38900	49700	33400	41100	49600	30400	40300
27	49400	34800	42400	48100	34100	40200	49200	35400	42000	41200	28500	35900
28	51200	34800	42900	49900	34100	41200	48800	34100	41800	41900	28200	35000
29	51300	34800	43600	49600	35400	41900	50800	33600	42300	40300	27400	34500
30	51700	34700	43900	50700	33700	41800	50500	35300	43300	45300	28300	35000
31	---	---	---	50900	32700	40800	49900	35900	42400	---	---	---
MONTH	51700	31700	40400	50900	32700	41200	50800	31600	40400	49600	27400	37600
YEAR	51800											

## COOPER RIVER BASIN

021720711 COOPER RIVER AT CUSTOMS HOUSE AT CHARLESTON, SC

LOCATION.--Lat 32°46'44'', long 79°55'26'', Charleston County, Hydrologic Unit 03050201, at South Carolina State Ports Authority Dock, 0.25 mi east of Customs House at Charleston.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--October 1985 to current year.

GAGE.--Data collection platform. Datum of gage is 17.12 ft below sea level.

REMARKS.--Gage height affected by tide and regulation from Lake Moultrie (see station 02172000). Flow diverted to Santee River Basin for power generation since October, 1986 (see station 02171645).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height 23.65 ft, Jan. 1, 1987; minimum gage height, 10.88 ft, Mar. 13, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.17 ft, Dec. 22; minimum gage height, 12.31 ft, Mar. 20.

## GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.67	16.07	18.82	20.64	14.95	18.13	20.55	14.58	17.83	20.61	15.49	18.12
2	21.54	15.81	18.68	20.59	14.67	17.90	20.01	14.77	17.57	21.32	15.63	18.56
3	21.55	15.85	18.73	20.62	14.72	17.89	20.62	14.70	17.79	20.40	14.14	17.66
4	21.39	15.59	18.76	20.70	15.04	18.08	20.44	14.65	17.61	19.95	14.09	17.52
5	21.45	14.55	18.48	21.22	15.17	18.44	20.95	14.64	18.13	20.56	14.94	17.82
6	20.99	14.55	18.05	21.29	15.13	18.38	20.77	14.95	18.01	20.72	14.82	18.06
7	20.93	14.65	18.06	21.35	15.03	18.08	20.72	15.08	18.07	21.38	14.16	17.77
8	21.29	14.61	18.41	20.38	14.26	17.72	21.29	15.88	18.60	18.89	13.40	16.29
9	22.06	15.71	19.08	20.98	15.24	18.16	20.77	15.54	18.18	19.67	14.33	16.85
10	21.99	16.06	19.14	20.82	15.56	18.17	20.47	15.19	17.71	19.76	14.07	17.01
11	21.88	16.32	19.10	20.90	15.97	17.81	20.06	15.15	17.55	20.56	15.73	18.04
12	21.93	16.75	19.19	19.91	14.85	17.33	20.20	15.30	17.68	20.53	14.92	17.61
13	21.36	16.55	18.82	20.38	16.02	18.15	20.13	15.76	17.87	19.86	15.48	17.59
14	20.70	16.14	18.39	20.61	16.23	18.17	20.16	15.75	17.93	20.05	15.22	17.60
15	20.68	16.07	18.23	19.59	15.48	17.39	19.65	15.29	17.50	20.03	14.47	17.35
16	20.75	16.48	18.53	19.93	15.55	17.70	19.84	15.23	17.72	20.33	14.63	17.61
17	20.77	16.59	18.72	19.93	15.57	17.79	21.00	15.89	18.57	20.95	14.24	17.82
18	20.73	16.83	18.81	20.44	15.34	18.12	21.48	15.24	18.61	21.30	14.14	18.00
19	20.81	16.47	18.80	20.67	14.76	17.93	21.72	13.96	18.26	21.90	13.13	17.35
20	21.17	16.07	18.93	21.05	14.60	18.06	20.73	13.99	17.65	21.21	12.61	17.45
21	20.69	15.31	18.22	21.45	14.06	18.01	21.99	14.30	18.34	21.66	13.85	17.80
22	21.06	15.12	18.34	21.74	13.79	18.20	22.17	14.25	18.30	21.45	13.74	17.67
23	21.45	15.13	18.47	22.11	14.41	18.27	22.06	14.11	18.11	21.30	14.17	17.77
24	21.55	14.68	18.23	21.71	14.17	18.00	21.63	13.97	17.72	20.91	13.98	17.49
25	21.54	14.45	18.06	21.83	14.44	17.95	21.11	13.90	17.46	20.18	13.64	16.98
26	21.52	14.46	18.13	21.55	14.71	17.93	20.98	14.11	17.55	20.18	15.13	17.68
27	21.90	15.09	18.42	21.11	14.72	17.78	20.63	14.37	17.54	20.27	13.80	16.99
28	20.94	14.59	17.72	20.51	14.48	17.51	20.38	14.93	17.71	18.97	14.95	17.05
29	21.13	14.81	17.85	20.04	14.26	17.35	20.17	15.20	17.73	19.91	15.46	17.73
30	21.24	15.70	18.33	20.34	15.12	17.94	20.34	15.35	17.93	19.92	15.09	17.52
31	21.20	15.60	18.44	---	---	---	20.45	15.13	17.91	20.02	14.94	17.44
MONTH	22.06	14.45	18.51	22.11	13.79	17.94	22.17	13.90	17.91	21.90	12.61	17.55





EDISTO RIVER BASIN  
02172300 McTIER CREEK NEAR MONETTA, SC

LOCATION.--Lat 33°45'12'', long 81°36'07'', Aiken County, Hydrologic Unit 03050204, on downstream side of bridge on county road 209, 1.1 mi upstream of Gully Creek, 4.6 mi upstream of mouth, and 6.7 mi south of Monetta.

DRAINAGE AREA.--15.3 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1995 to September 1996.

GAGE.--Data collection platform. Elevation of gage is 345 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Oct. 1 to Nov. 13, Mar. 25, 26, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	30	26	40	35	23	41	35	15	10	25	13
2	23	28	26	35	34	22	37	27	14	10	20	16
3	24	41	25	32	49	21	33	24	14	9.3	49	16
4	30	29	26	27	36	21	31	23	14	9.5	22	23
5	36	28	26	26	31	17	29	21	13	22	44	38
6	31	27	26	25	29	30	37	20	12	26	52	23
7	27	35	46	35	29	248	39	22	12	17	27	19
8	26	43	36	33	29	125	31	35	27	18	28	15
9	25	31	35	27	29	52	28	25	36	23	22	14
10	25	29	32	26	28	43	27	21	21	14	25	27
11	25	35	29	26	31	38	26	19	22	11	30	43
12	25	50	28	33	24	37	25	18	17	11	27	26
13	26	36	27	28	24	34	25	17	17	11	26	20
14	28	31	27	26	25	32	35	17	20	14	46	17
15	34	30	27	25	24	34	27	18	35	21	27	16
16	28	29	27	25	25	41	24	17	20	26	22	20
17	24	28	26	25	27	48	23	16	16	28	18	24
18	22	28	26	26	26	42	23	15	17	30	16	18
19	21	27	55	37	24	41	23	14	15	16	21	16
20	21	27	41	30	30	39	27	13	14	22	17	15
21	20	27	30	26	27	33	25	12	13	21	16	17
22	20	26	27	25	25	30	24	12	13	14	14	38
23	20	28	27	25	24	29	22	11	12	12	15	24
24	20	28	26	30	24	31	21	12	11	11	17	19
25	20	31	26	28	22	30	20	18	11	11	44	17
26	21	29	25	25	22	31	30	18	10	13	27	16
27	25	28	25	46	22	33	32	22	10	22	20	15
28	52	29	24	36	30	67	25	50	9.6	16	18	17
29	35	27	24	29	29	45	27	28	9.6	14	17	21
30	26	27	24	29	---	38	53	20	9.7	12	15	32
31	28	---	31	41	---	38	---	17	---	17	14	---
TOTAL	810	922	906	927	814	1393	870	637	479.9	511.8	781	635
MEAN	26.1	30.7	29.2	29.9	28.1	44.9	29.0	20.5	16.0	16.5	25.2	21.2
MAX	52	50	55	46	49	248	53	50	36	30	52	43
MIN	20	26	24	25	22	17	20	11	9.6	9.3	14	13
CFSM	1.71	2.01	1.91	1.95	1.83	2.94	1.90	1.34	1.05	1.08	1.65	1.38
IN.	1.97	2.24	2.20	2.25	1.98	3.39	2.12	1.55	1.17	1.24	1.90	1.54

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

	MEAN	26.1	30.7	29.2	29.9	28.1	44.9	29.0	20.5	16.0	16.5	25.2	21.2
MAX	26.1	30.7	29.2	29.9	28.1	44.9	29.0	20.5	16.0	16.5	25.2	21.2	
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	
MIN	26.1	30.7	29.2	29.9	28.1	44.9	29.0	20.5	16.0	16.5	25.2	21.2	
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	

SUMMARY STATISTICS

FOR 1996 WATER YEAR

ANNUAL TOTAL	9686.7
ANNUAL MEAN	26.5
HIGHEST DAILY MEAN	248
LOWEST DAILY MEAN	9.3
ANNUAL SEVEN-DAY MINIMUM	9.7
INSTANTANEOUS PEAK FLOW	536
INSTANTANEOUS PEAK STAGE	7.48
ANNUAL RUNOFF (CFSM)	1.73
ANNUAL RUNOFF (INCHES)	23.55
10 PERCENT EXCEEDS	38
50 PERCENT EXCEEDS	25
90 PERCENT EXCEEDS	14

Mar 7  
Jul 3  
Jun 28  
Mar 7  
Mar 7



## EDISTO RIVER BASIN

02172640 DEAN SWAMP CREEK NEAR SALLEY, SC

LOCATION.--Lat 33°35'21'', long 81°21'57'', Aiken County, Hydrologic Unit 03050204, at center of downstream side of bridge, on county dirt road, 1.4 mi downstream from Johnsons Pond, 4.0 mi southwest of Wagener, and 4.0 mi northwest of Salley.

DRAINAGE AREA.--31.2 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1980 to March 1987, February 1988 to current year.

GAGE.--Data collection platform. Elevation of gage is 270 ft above sea level (from topographic map). Prior to February 1988, gage at same site, at different datum.

REMARKS.--Records good except for estimated daily discharges, June 20 - 24, Sept. 13 - 17, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	30	28	33	27	31	34	30	24	22	23	33
2	26	31	28	32	28	32	32	28	26	22	31	30
3	26	32	28	31	37	31	31	26	25	23	54	26
4	30	34	28	30	36	29	26	25	24	25	35	29
5	33	31	28	29	31	25	22	26	23	32	32	45
6	31	29	29	28	29	28	22	25	23	38	33	37
7	26	36	43	32	29	52	26	24	35	33	30	32
8	23	38	34	31	27	41	29	28	42	30	27	28
9	23	35	36	32	26	35	27	30	39	26	26	25
10	23	33	33	32	28	31	24	26	37	23	25	25
11	24	35	31	41	28	30	27	23	30	22	25	27
12	25	34	31	36	29	33	29	22	27	22	28	30
13	26	32	30	37	29	32	27	21	39	22	31	27
14	28	32	30	38	29	30	27	21	35	22	28	26
15	29	31	29	31	28	31	23	20	28	23	25	26
16	28	30	29	26	28	34	24	20	27	24	23	25
17	27	29	29	25	28	38	26	20	26	23	23	25
18	26	32	29	26	28	35	28	21	24	23	24	24
19	26	31	42	27	28	35	29	24	24	22	24	25
20	26	32	39	30	31	32	28	27	22	25	23	24
21	25	33	33	31	30	32	26	27	22	26	23	24
22	25	33	31	28	29	31	26	24	22	24	22	25
23	26	33	29	28	29	30	26	22	22	23	23	24
24	26	29	29	30	30	30	24	21	23	28	23	23
25	26	30	28	29	29	29	27	21	24	26	24	23
26	26	29	28	28	28	29	33	24	22	25	24	22
27	27	29	28	43	28	33	31	27	21	24	24	22
28	37	29	28	35	31	45	26	41	21	24	24	22
29	30	29	29	33	32	39	24	37	21	23	25	23
30	29	28	28	32	---	35	32	30	21	23	29	27
31	30	---	30	32	---	34	---	25	---	23	37	---
TOTAL	840	949	955	976	850	1032	816	786	799	771	848	804
MEAN	27.1	31.6	30.8	31.5	29.3	33.3	27.2	25.4	26.6	24.9	27.4	26.8
MAX	37	38	43	43	37	52	34	41	42	38	54	45
MIN	23	28	28	25	26	25	22	20	21	22	22	22
CFM	.87	1.01	.99	1.01	.94	1.07	.87	.81	.85	.80	.88	.86
IN.	1.00	1.13	1.14	1.16	1.01	1.23	.97	.94	.95	.92	1.01	.96

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1996, BY WATER YEAR (WY)

	MEAN	23.8	24.8	25.5	27.3	27.1	26.8	24.8	23.0	22.9	22.8	24.1	22.4
MAX	30.4	31.6	30.8	40.1	41.9	33.8	33.3	32.5	32.6	28.7	34.2	29.8	29.8
(WY)	1991	1996	1996	1993	1995	1993	1983	1984	1995	1995	1995	1995	1995
MIN	16.5	18.8	18.8	18.5	18.2	15.3	17.6	17.6	14.6	13.6	15.8	17.0	17.0
(WY)	1989	1990	1989	1990	1989	1989	1990	1990	1990	1990	1990	1990	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1981 - 1996
ANNUAL TOTAL	11510	10426	
ANNUAL MEAN	31.5	28.5	24.8
HIGHEST ANNUAL MEAN			31.5
LOWEST ANNUAL MEAN			17.2
HIGHEST DAILY MEAN	95	54	114
LOWEST DAILY MEAN	21	20	11
ANNUAL SEVEN-DAY MINIMUM	24	21	12
INSTANTANEOUS PEAK FLOW		119	229
INSTANTANEOUS PEAK STAGE		4.62	6.21
ANNUAL RUNOFF (CFM)	1.01	.91	.80
ANNUAL RUNOFF (INCHES)	13.72	12.43	10.81
10 PERCENT EXCEEDS	38	35	32
50 PERCENT EXCEEDS	29	28	24
90 PERCENT EXCEEDS	25	23	17

\* Also occurred on May 16, 17.

## EDISTO RIVER BASIN

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.--Data collection platform. Datum of gage is 155.68 ft above sea level (levels by Corps of Engineers). Prior to Oct. 27, 1931, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good.

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).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1080	838	791	953	1140	891	1220	779	657	364	496	719
2	897	876	793	1050	1140	873	1330	830	676	345	499	633
3	792	960	793	1060	1150	836	1340	814	681	330	478	585
4	780	959	781	1070	1140	816	1220	781	625	317	489	579
5	830	881	774	1070	1110	827	1090	823	551	342	536	588
6	827	831	773	1060	1110	844	1030	844	510	503	568	595
7	792	876	879	1050	1100	965	1040	785	486	572	584	623
8	769	1040	1040	1030	1100	1180	1000	866	470	586	662	636
9	789	1110	1100	994	1090	1210	955	824	474	560	761	637
10	909	1120	1140	969	1040	1170	905	725	523	563	800	660
11	933	1120	1130	939	986	1430	882	674	573	598	860	660
12	857	1110	1110	946	937	2000	887	645	589	598	866	615
13	786	1100	1110	980	899	1750	868	638	627	552	765	578
14	744	1120	1060	996	870	1420	830	626	655	525	783	561
15	732	1090	995	971	856	1230	801	599	760	491	747	572
16	742	1020	940	937	848	1130	776	580	881	500	721	587
17	736	985	895	919	848	1110	751	563	847	516	697	590
18	743	1030	863	916	839	1130	735	549	726	512	662	562
19	739	1030	918	937	826	1170	749	538	619	509	653	519
20	738	955	985	935	833	1150	771	528	570	505	655	502
21	743	893	1000	922	848	1110	770	555	584	531	634	504
22	726	840	1040	900	848	1080	755	553	584	535	565	522
23	688	806	1030	894	849	1060	732	506	567	558	530	521
24	659	792	1020	942	844	1010	707	477	537	632	556	508
25	644	806	1070	1020	836	958	689	480	512	581	580	494
26	637	819	1060	1020	834	908	688	494	491	548	607	493
27	634	820	992	1050	819	882	696	495	464	554	583	501
28	727	816	926	1120	826	1070	679	533	429	546	600	495
29	774	807	886	1140	892	1220	669	593	397	507	690	472
30	802	797	856	1160	---	1220	708	608	380	479	813	472
31	844	---	849	1150	---	1210	---	632	---	475	821	---
TOTAL	24093	28247	29599	31100	27458	34860	26273	19937	17445	15734	20261	16983
MEAN	777	942	955	1003	947	1125	876	643	581	508	654	566
MAX	1080	1120	1140	1160	1150	2000	1340	866	881	632	866	719
MIN	634	792	773	894	819	816	669	477	380	317	478	472
CFSM	1.08	1.31	1.33	1.39	1.32	1.56	1.22	.89	.81	.70	.91	.79
IN.	1.24	1.46	1.53	1.61	1.42	1.80	1.36	1.03	.90	.81	1.05	.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1996, BY WATER YEAR (WY)

MEAN	618	675	833	981	1077	1154	1026	669	568	529	592	559
MAX	2436	1786	2190	1940	2688	2328	3017	1358	1331	1257	1507	2177
(WY)	1960	1948	1949	1993	1960	1948	1936	1964	1965	1941	1971	1964
MIN	250	358	456	446	555	544	421	314	233	196	238	211
(WY)	1955	1955	1956	1956	1957	1955	1945	1941	1956	1986	1957	1990

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1931 - 1996

ANNUAL TOTAL	341989	291990	
ANNUAL MEAN	937	798	768
HIGHEST ANNUAL MEAN			1468
LOWEST ANNUAL MEAN			453
HIGHEST DAILY MEAN	4070	Feb 19	2000
LOWEST DAILY MEAN	412	Jul 17	317
ANNUAL SEVEN-DAY MINIMUM	432	Jul 14	354
INSTANTANEOUS PEAK FLOW			2060
INSTANTANEOUS PEAK STAGE			7.45
INSTANTANEOUS LOW FLOW			309
ANNUAL RUNOFF (CFSM)	1.30	1.11	1.07
ANNUAL RUNOFF (INCHES)	17.67	15.09	14.49
10 PERCENT EXCEEDS	1520	1110	1350
50 PERCENT EXCEEDS	793	793	644
90 PERCENT EXCEEDS	504	507	343

\* From rating curve extended above 7,100 ft<sup>3</sup>/s on basis of velocity-area studies.

\*\* Also occurred on July 13, 1990.

## EDISTO RIVER BASIN

02173030 SOUTH FORK EDISTO RIVER NEAR COPE, SC

LOCATION.--Lat 33°21'32'', long 81°03'35'', Orangeburg County, Hydrologic Unit 03050204, on downstream side of trestle on old Seaboard Coastline Railroad, at South Carolina Electric and Gas Company Cope Power Plant, and 4.6 mi north-northwest of Bamberg and at mile 130.9.

DRAINAGE AREA.--757 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Data collection platform. Datum of gage is 139.23 ft above sea level.

REMARKS.--No estimated daily discharges. Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	567	805	1030	1300	1310	1690	894	644	475	518	635	1380
2	536	785	1020	1180	1270	1880	878	611	523	537	641	1370
3	588	770	1020	1090	1260	1890	862	572	532	611	695	1310
4	687	756	1060	1030	1330	1830	849	551	556	648	791	1100
5	733	765	1140	986	1310	1760	835	542	674	691	809	885
6	761	781	1190	950	1260	1740	822	529	990	712	791	783
7	792	794	1140	1570	1190	1730	828	517	1280	704	791	731
8	780	807	1090	2360	1150	1640	828	509	1570	602	1080	713
9	756	820	1050	2450	1150	1540	828	504	1500	569	989	693
10	799	813	984	2190	1150	1440	821	498	1340	540	826	657
11	968	791	982	1880	1220	1380	804	489	1310	496	843	626
12	1130	766	999	1640	1350	1350	799	481	1310	466	849	610
13	1430	747	983	1520	1450	1330	797	472	1230	458	781	613
14	1700	737	949	1520	1510	1280	779	486	1070	466	808	638
15	1730	726	925	1870	1680	1240	761	489	916	443	831	650
16	1780	727	897	2310	2210	1200	755	485	822	423	822	698
17	1720	737	894	2330	2490	1160	742	479	756	421	705	762
18	1510	750	879	2190	2880	1140	711	466	684	406	577	758
19	1350	784	859	2200	5010	1120	693	468	673	410	549	733
20	1260	793	828	2270	4510	1100	675	485	656	418	550	729
21	1160	813	808	2040	3780	1080	649	489	627	437	597	769
22	1060	851	903	1740	3520	1060	626	481	634	498	655	824
23	1070	874	1150	1560	3260	1040	630	477	608	628	676	896
24	1110	868	1460	1530	2640	1020	663	477	560	736	656	1170
25	1170	842	1670	1470	2120	1010	682	474	547	812	639	1430
26	1130	824	1790	1400	1840	999	697	457	531	773	1630	1270
27	1030	828	1940	1340	1650	985	712	430	510	670	3130	1280
28	942	849	2240	1300	1530	967	721	413	510	594	2150	1510
29	878	925	2170	1340	---	941	696	413	498	653	1920	1640
30	836	1010	1820	1350	---	918	671	431	512	669	1660	1480
31	821	---	1520	1350	---	912	---	453	---	663	1430	---
TOTAL	32784	24138	37390	51256	57030	40372	22708	15272	24404	17672	30506	28708
MEAN	1058	805	1206	1653	2037	1302	757	493	813	570	984	957
MAX	1780	1010	2240	2450	5010	1890	894	644	1570	812	3130	1640
MIN	536	726	808	950	1150	912	626	413	475	406	549	610
IN.	1.61	1.19	1.84	2.52	2.80	1.98	1.12	.75	1.20	.87	1.50	1.41

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1995, BY WATER YEAR (WY)

	MEAN	722	804	905	1405	1267	1236	925	556	643	601	869	658
MAX	1058	1053	1206	2236	2037	1504	1355	695	813	802	1420	957	
(WY)	1995	1993	1995	1993	1995	1993	1993	1993	1995	1991	1991	1995	
MIN	507	594	630	840	844	944	747	457	445	436	420	573	
(WY)	1994	1992	1992	1992	1992	1992	1994	1994	1994	1993	1993	1994	

## SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1991 - 1995

ANNUAL TOTAL	295855	382240	
ANNUAL MEAN	811	1047	
HIGHEST ANNUAL MEAN			866
LOWEST ANNUAL MEAN			1047
HIGHEST DAILY MEAN	2240	Dec 28	705
LOWEST DAILY MEAN	334	Jun 25	1992
ANNUAL SEVEN-DAY MINIMUM	355	May 27	5060
INSTANTANEOUS PEAK FLOW			Jan 13 1993
INSTANTANEOUS PEAK STAGE			298
INSTANTANEOUS LOW FLOW			Sep 4 1993
ANNUAL RUNOFF (INCHES)	14.54		319
10 PERCENT EXCEEDS	1140		Aug 30 1993
50 PERCENT EXCEEDS	792		5700
90 PERCENT EXCEEDS	437		Feb 19 1995
			10.78
			Feb 19 1995
			298
			* Sep 3 1993
			15.55
			1420
			756
			457

\* Also occurred on Sept. 4, 5, 1993.

## EDISTO RIVER BASIN

02173030 SOUTH FORK EDISTO RIVER NEAR COPE, SC--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1260	865	828	939	1210	959	1330	801	630	338	450	805
2	1090	870	816	1060	1200	934	1380	842	659	319	473	714
3	945	934	819	1100	1240	908	1480	881	686	302	458	619
4	867	1010	821	1100	1230	863	1440	848	676	297	443	558
5	903	978	809	1110	1200	849	1280	827	589	308	462	563
6	910	905	805	1100	1180	888	1170	875	515	401	502	558
7	884	902	931	1090	1170	989	1150	875	473	488	524	565
8	838	1050	1080	1090	1160	1180	1120	863	451	533	556	603
9	809	1110	1150	1060	1150	1280	1080	954	442	542	665	622
10	837	1130	1210	1020	1140	1280	1030	834	452	516	757	626
11	955	1150	1210	987	1090	1280	980	741	496	528	810	655
12	969	1180	1160	980	1020	1870	963	683	537	559	892	656
13	895	1140	1150	983	983	2190	964	657	584	541	878	600
14	828	1120	1140	1010	946	1850	930	650	614	506	802	548
15	815	1130	1090	1010	924	1520	888	629	673	480	787	529
16	787	1100	1030	987	913	1310	843	598	790	457	736	537
17	773	1050	978	952	913	1250	813	567	889	468	713	553
18	773	1020	929	933	906	1290	791	536	828	473	681	552
19	773	1050	1030	967	892	1290	783	516	705	469	646	526
20	766	1040	1140	985	887	1280	804	504	589	462	634	484
21	756	990	1080	967	894	1220	816	497	549	465	633	469
22	755	933	1070	937	900	1180	810	529	547	480	606	477
23	741	880	1090	916	904	1150	791	504	539	487	535	483
24	706	847	1070	928	904	1110	766	465	518	509	512	483
25	675	849	1080	995	887	1080	736	445	487	562	531	466
26	655	851	1110	1030	875	1020	723	466	468	524	559	454
27	644	853	1080	1180	866	966	731	483	440	500	580	457
28	740	858	1020	1280	882	1100	725	520	411	517	552	460
29	807	855	957	1230	951	1320	708	553	374	496	587	456
30	809	836	914	1220	---	1360	776	583	352	447	693	447
31	831	---	890	1220	---	1340	---	597	---	423	797	---
TOTAL	25796	29486	31487	32366	29417	38106	28801	20323	16963	14397	19454	16525
MEAN	832	983	1016	1044	1014	1229	960	656	565	464	628	551
MAX	1260	1180	1210	1280	1240	2190	1480	954	889	562	892	805
MIN	644	836	805	916	866	849	708	445	352	297	443	447
IN.	1.27	1.45	1.55	1.59	1.45	1.87	1.42	1.00	.83	.71	.96	.81

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1996, BY WATER YEAR (WY)

	MEAN	744	840	927	1332	1216	1235	932	576	627	578	829	640
MAX	1058	1053	1206	2236	2037	1504	1355	695	813	802	1420	957	
(WY)	1995	1993	1995	1993	1995	1993	1993	1993	1995	1991	1991	1995	
MIN	507	594	630	840	844	944	747	457	445	436	420	551	
(WY)	1994	1992	1992	1992	1992	1992	1994	1994	1994	1993	1993	1996	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1991 - 1996

ANNUAL TOTAL	374697	303121	
ANNUAL MEAN	1027	828	
HIGHEST ANNUAL MEAN			859
LOWEST ANNUAL MEAN			1047
HIGHEST DAILY MEAN	5010	Feb 19	705
LOWEST DAILY MEAN	406	Jul 18	5060
ANNUAL SEVEN-DAY MINIMUM	423	Jul 15	297
INSTANTANEOUS PEAK FLOW			319
INSTANTANEOUS PEAK STAGE			5700
INSTANTANEOUS LOW FLOW			10.78
ANNUAL RUNOFF (INCHES)	18.41		285
10 PERCENT EXCEEDS	1640		15.41
50 PERCENT EXCEEDS	858		1350
90 PERCENT EXCEEDS	502		463

\* Also occurred on Mar. 13.



## EDISTO RIVER BASIN

02173051 SOUTH FORK EDISTO RIVER NEAR BAMBERG, SC

LOCATION.--Lat 33°20'13'', long 81°01'08'', Bamberg County, Hydrologic Unit 03050204, on downstream side of upstream bridge, on U.S. Highway 301/601, and 3.0 mi north of Bamberg, and at mile 127.2.

DRAINAGE AREA.--807 mi<sup>2</sup>.

PERIOD OF RECORD.--April 1991 to current year.

GAGE.--Data collection platform. Elevation of gage is 140 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1730	1160	1210	1310	1640	1320	1790	1110	808	317	521	1060
2	1480	1180	1200	1470	1610	1280	1790	1110	847	297	592	991
3	1270	1240	1190	1560	1690	1230	1880	1140	883	276	526	874
4	1180	1360	1190	1540	1700	1180	1890	1130	900	266	487	768
5	1180	1360	1190	1530	1630	1140	1750	1080	832	281	500	715
6	1210	1280	1170	1520	1570	1180	1590	1110	676	374	562	718
7	1160	1250	1430	1540	1550	1330	1540	1140	561	511	625	706
8	1120	1450	1640	1540	1530	1560	1490	1160	498	624	660	745
9	1070	1600	1750	1490	1520	1770	1430	1400	471	674	774	798
10	1060	1580	1760	1430	1510	1750	1360	1260	470	640	924	805
11	1140	1620	1750	1390	1460	1660	1290	1050	528	623	1000	836
12	1230	1690	1690	1370	1380	2010	1240	949	626	674	1090	870
13	1190	1670	1650	1370	1300	2810	1240	881	722	691	1120	820
14	1130	1600	1630	1380	1250	2520	1220	852	777	626	1070	732
15	1120	1580	1580	1390	1220	2070	1170	822	826	574	1020	671
16	1080	1570	1500	1370	1200	1800	1130	777	942	506	985	660
17	1030	1510	1420	1330	1190	1700	1090	728	1080	508	939	686
18	1010	1450	1350	1300	1180	1760	1050	678	1090	518	913	703
19	1010	1460	1530	1360	1170	1760	1030	640	983	513	867	676
20	1010	1490	1750	1380	1170	1740	1040	609	825	500	834	598
21	992	1440	1660	1340	1200	1650	1070	582	724	512	828	535
22	993	1360	1540	1290	1210	1560	1070	606	686	543	813	538
23	989	1280	1530	1260	1200	1500	1050	622	674	550	711	545
24	960	1230	1510	1260	1190	1460	1020	540	636	579	634	557
25	922	1260	1490	1330	1180	1420	976	487	576	695	631	539
26	885	1280	1520	1390	1160	1360	950	498	524	700	691	509
27	866	1270	1520	1580	1150	1300	959	653	482	606	742	495
28	1000	1260	1450	1840	1190	1440	961	756	423	615	736	504
29	1110	1260	1370	1760	1290	1740	947	803	377	616	724	506
30	1110	1240	1300	1660	---	1840	1050	785	342	519	830	500
31	1100	---	1270	1670	---	1800	---	792	---	449	989	---
TOTAL	34337	41980	45740	44950	39240	50640	38063	26750	20789	16377	24338	20660
MEAN	1108	1399	1475	1450	1353	1634	1269	863	693	528	785	689
MAX	1730	1690	1760	1840	1700	2810	1890	1400	1090	700	1120	1060
MIN	866	1160	1170	1260	1150	1140	947	487	342	266	487	495
IN.	1.58	1.94	2.11	2.07	1.81	2.33	1.75	1.23	.96	.75	1.12	.95

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1996, BY WATER YEAR (WY)

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	1044	1166	1313	1958	1726	1729	1268	894	914	782	1204	889
MAX	1480	1507	1611	3187	3037	2001	1711	1592	1190	1178	2270	1294
(WY)	1995	1993	1995	1993	1995	1995	1993	1991	1995	1991	1991	1995
MIN	591	917	983	1199	1245	1368	1066	613	688	528	510	689
(WY)	1994	1992	1992	1994	1992	1992	1995	1995	1994	1996	1993	1996

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1991 - 1996
ANNUAL TOTAL	547147	403864	
ANNUAL MEAN	1499	1103	1197
HIGHEST ANNUAL MEAN			1511
LOWEST ANNUAL MEAN			998
HIGHEST DAILY MEAN	6530	Feb 19	6540 Jan 13 1993
LOWEST DAILY MEAN	454	May 28	266 Jul 4 1996
ANNUAL SEVEN-DAY MINIMUM	497	Jul 15	308 Jun 30 1996
INSTANTANEOUS PEAK FLOW			2900 Mar 13
INSTANTANEOUS PEAK STAGE			11.56 Mar 13
INSTANTANEOUS LOW FLOW			261 * Jul 4
ANNUAL RUNOFF (INCHES)	25.22	18.62	20.15
10 PERCENT EXCEEDS	2530	1650	1920
50 PERCENT EXCEEDS	1220	1130	1070
90 PERCENT EXCEEDS	658	537	563

\* Also occurred on July 5.



## 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.--December 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder and data collection platform. Datum of gage is 149.02 ft above sea level (levels by Corps of Engineers). Prior to Feb. 23, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, Aug. 11, 12, which are fair. About 12 ft<sup>3</sup>/s is diverted by City of Orangeburg for municipal supply.

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 below, on basis of information from Department of Public Utilities, City of Orangeburg.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1080	913	800	877	1040	832	1180	916	780	381	465	636
2	963	905	790	990	1040	804	1190	910	711	369	460	588
3	873	944	783	1040	1070	798	1240	879	661	358	484	544
4	841	1000	780	1070	1060	788	1150	839	598	350	491	505
5	871	972	771	1020	1020	785	1030	798	529	364	554	497
6	891	908	766	964	1010	798	982	783	492	403	622	506
7	879	910	880	945	1010	967	995	733	475	439	626	495
8	890	982	963	947	990	1200	984	703	465	489	669	499
9	880	1050	1050	937	989	1250	948	699	457	519	697	511
10	900	1080	1110	901	964	1190	915	705	456	526	672	547
11	957	1060	1090	879	915	1300	879	687	467	530	648	598
12	918	1020	1030	881	873	1840	863	646	483	510	600	583
13	853	1010	992	890	844	1740	856	628	535	477	536	507
14	811	1010	958	891	825	1330	841	614	646	457	592	478
15	811	1010	919	879	810	1110	824	579	712	440	627	497
16	801	971	883	859	806	1030	802	554	725	436	585	524
17	788	925	852	844	804	1050	783	535	750	450	561	531
18	795	928	824	841	801	1130	769	522	710	482	556	493
19	781	931	908	885	788	1200	756	511	691	480	587	467
20	770	896	947	904	787	1200	749	498	611	469	590	458
21	763	859	957	889	803	1130	744	483	580	477	562	463
22	741	825	949	871	808	1060	740	468	547	470	505	487
23	702	800	938	859	811	1020	726	460	531	472	465	501
24	668	790	919	858	807	991	721	458	547	472	447	503
25	652	814	916	899	798	948	710	450	577	508	486	503
26	644	833	924	917	790	906	696	469	504	564	575	508
27	653	835	896	1130	779	868	688	612	456	605	588	502
28	820	831	855	1220	801	958	671	757	428	584	700	508
29	866	825	822	1130	842	1080	679	768	405	532	722	495
30	888	812	801	1090	---	1200	840	759	390	483	679	475
31	904	---	802	1070	---	1210	---	797	---	461	656	---
TOTAL	25654	27649	27875	29377	25685	33713	25951	20220	16919	14557	18007	15409
MEAN	828	922	899	948	886	1088	865	652	564	470	581	514
MAX	1080	1080	1110	1220	1070	1840	1240	916	780	605	722	636
MIN	644	790	766	841	779	785	671	450	390	350	447	458
CFSM	1.21	1.35	1.32	1.39	1.30	1.59	1.27	.95	.83	.69	.85	.75
IN.	1.40	1.51	1.52	1.60	1.40	1.84	1.41	1.10	.92	.79	.98	.84

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

	MEAN	647	665	801	950	1025	1104	955	701	646	622	669	632
MAX	2585	1467	1748	2208	2249	1949	1986	1447	1627	1426	1666	1904	1904
(WY)	1965	1960	1949	1993	1960	1971	1961	1975	1973	1964	1991	1964	1964
MIN	264	333	391	396	512	524	443	332	239	238	239	221	221
(WY)	1955	1955	1956	1956	1957	1955	1945	1941	1956	1986	1954	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1939 - 1996
ANNUAL TOTAL	362807	281016	
ANNUAL MEAN	994	768	785
HIGHEST ANNUAL MEAN			1389
LOWEST ANNUAL MEAN			437
HIGHEST DAILY MEAN	4960	Aug 27	8850
LOWEST DAILY MEAN	455	May 28	190
ANNUAL SEVEN-DAY MINIMUM	485	May 24	194
INSTANTANEOUS PEAK FLOW			9500
INSTANTANEOUS PEAK STAGE		8.24	14.28
INSTANTANEOUS LOW FLOW		345	190
ANNUAL RUNOFF (CFSM)	1.46	1.12	1.15
ANNUAL RUNOFF (INCHES)	19.76	15.31	15.62
10 PERCENT EXCEEDS	1570	1040	1280
50 PERCENT EXCEEDS	857	796	680
90 PERCENT EXCEEDS	568	474	384

\* From rating curve extended above 5,300 ft<sup>3</sup>/s by velocity-area studies.

\*\* Also occurred on July 5.

## EDISTO RIVER BASIN

02174000 EDISTO RIVER NEAR BRANCHVILLE, SC

LOCATION.--Lat 33°10'35'', long 80°48'05'', 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 September 1996 (discontinued). Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Data collection platform. Datum of gage is 80.02 ft above sea level (levels by Corps of Engineers). Prior to May 19, 1949, at datum 1.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, Dec. 3, 4, Apr. 8, 9, 15 - 17, May 29, July 22 - 25, Aug. 17 - 19, which are poor.

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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3900	2250	2200	2420	3310	2260	3610	2400	1490	841	975	1390
2	3780	2290	2160	2380	3210	2370	3600	2470	1470	811	973	1500
3	3510	2370	2110	2430	3170	2380	3550	2420	1490	782	1020	1580
4	3260	2450	2070	2600	3140	2310	3490	2340	1490	758	1000	1540
5	3000	2500	2030	2740	3160	2220	3520	2270	1470	764	988	1380
6	2790	2590	2000	2780	3130	2180	3480	2170	1410	800	989	1220
7	2670	2680	2080	2810	3040	2250	3320	2020	1260	831	1040	1140
8	2590	2770	2260	2820	2940	2450	3150	1940	1110	888	1100	1130
9	2510	2780	2590	2790	2890	2680	3000	1930	1030	956	1140	1130
10	2410	2930	3000	2750	2850	3020	2880	1920	991	1030	1200	1140
11	2310	3040	3180	2690	2810	3290	2760	2010	969	1050	1290	1180
12	2240	3080	3240	2630	2770	3300	2640	1940	974	1050	1440	1210
13	2270	3130	3220	2560	2690	3280	2520	1730	1020	1060	1540	1260
14	2410	3170	3120	2510	2570	3850	2400	1560	1080	1070	1660	1280
15	2510	3100	3010	2470	2440	4420	2350	1450	1150	1040	1670	1200
16	2500	2990	2930	2460	2330	4290	2280	1390	1240	994	1640	1110
17	2450	2910	2830	2450	2260	3990	2200	1330	1340	969	1550	1090
18	2320	2860	2720	2430	2200	3940	2090	1260	1470	937	1520	1100
19	2170	2770	2680	2420	2160	3940	1990	1200	1630	941	1450	1110
20	2060	2670	2870	2460	2140	3860	1910	1160	1700	951	1380	1090
21	2000	2620	3220	2550	2140	3750	1890	1130	1620	966	1320	1060
22	1950	2590	3430	2570	2140	3630	1850	1090	1410	965	1290	1020
23	1900	2540	3240	2530	2160	3440	1830	1070	1240	965	1260	1000
24	1860	2440	3020	2470	2170	3230	1830	1060	1160	963	1200	1010
25	1830	2370	2900	2430	2160	3070	1780	1030	1110	974	1100	1020
26	1780	2310	2800	2430	2140	2940	1740	998	1090	1010	1070	1030
27	1700	2280	2730	2520	2120	2820	1710	1040	1070	1060	1110	1020
28	1710	2270	2710	2750	2110	2850	1660	1120	1010	1080	1190	1010
29	1750	2250	2680	3130	2170	3020	1630	1320	939	1100	1240	1010
30	1920	2230	2600	3520	---	3280	1980	1460	886	1100	1260	1020
31	2150	---	2500	3490	---	3530	---	1540	---	1050	1320	---
TOTAL	74210	79230	84130	81990	74520	97840	74640	49768	37319	29756	38905	34980
MEAN	2394	2641	2714	2645	2570	3156	2488	1605	1244	960	1255	1166
MAX	3900	3170	3430	3520	3310	4420	3610	2470	1700	1100	1670	1580
MIN	1700	2230	2000	2380	2110	2180	1630	998	886	758	973	1000
CFSM	1.39	1.54	1.58	1.54	1.49	1.83	1.45	.93	.72	.56	.73	.68
IN.	1.61	1.71	1.82	1.77	1.61	2.12	1.61	1.08	.81	.64	.84	.76

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 1996, BY WATER YEAR (WY)

MEAN	1571	1551	2010	2573	2887	3078	2667	1786	1514	1367	1503	1443
MAX	6495	4515	5641	7456	7123	5319	5742	3692	4284	3492	4456	5938
(WY)	1965	1960	1949	1993	1960	1948	1961	1984	1973	1964	1991	1964
MIN	481	640	902	945	1086	1192	1142	789	476	475	445	453
(WY)	1955	1955	1957	1956	1989	1955	1985	1981	1956	1956	1956	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1946 - 1996
ANNUAL TOTAL	1002407	757288	
ANNUAL MEAN	2746	2069	1991
HIGHEST ANNUAL MEAN			3697
LOWEST ANNUAL MEAN			980
HIGHEST DAILY MEAN	9650	Feb 22	4420
LOWEST DAILY MEAN	964	May 30	758
ANNUAL SEVEN-DAY MINIMUM	1000	May 26	798
INSTANTANEOUS PEAK FLOW			4480
INSTANTANEOUS PEAK STAGE			8.11
INSTANTANEOUS LOW FLOW			741
ANNUAL RUNOFF (CFSM)	1.60	1.20	1.16
ANNUAL RUNOFF (INCHES)	21.68	16.38	15.73
10 PERCENT EXCEEDS	4920	3190	3640
50 PERCENT EXCEEDS	2330	2150	1600
90 PERCENT EXCEEDS	1170	1020	820

\* Also occurred on July 13, 1990.

## EDISTO RIVER BASIN

02174250 COW CASTLE CREEK NEAR BOWMAN, SC

LOCATION.--Lat 33°22'43'', long 80°42'00'', Orangeburg County, Hydrologic Unit 03050206, at bridge on county road, 1.1 mi, upstream from Buck Branch, and 3.2 mi northwest of Bowman.

DRAINAGE AREA.--23.4 mi<sup>2</sup>.

## WATER DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to September 1996.

GAGE.--Data collection platform. Elevation of gage is 125 ft above sea level (from topographic map). Prior to February 1988, gage at same site, at different datum.

REMARKS.--Records good except for estimated daily discharges, Oct. 1 - 13, Mar. 6, 7, 28, May 26 - 28, June 15, 16, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	24	19	27	28	13	36	52	6.7	1.2	.38	.34
2	10	26	19	29	27	12	31	31	5.4	1.1	.49	.48
3	11	43	18	28	38	11	25	22	4.9	1.1	.63	.55
4	50	40	17	24	33	10	22	17	4.6	.94	.57	.75
5	80	30	17	22	29	9.9	19	14	5.1	1.4	2.2	2.2
6	30	25	17	21	26	13	20	12	4.6	1.8	8.7	1.7
7	25	31	84	26	25	24	24	10	4.5	1.6	3.3	.56
8	23	75	79	30	23	34	21	9.5	3.7	1.4	1.4	.37
9	21	50	70	26	21	25	19	8.7	3.9	1.3	.89	.37
10	20	38	73	24	20	21	16	7.7	3.4	1.1	.66	.45
11	19	38	56	22	18	19	15	6.9	3.1	1.1	.61	.79
12	19	57	47	22	17	17	14	6.5	2.8	2.9	.64	.54
13	18	45	40	21	16	16	13	5.6	3.5	1.2	.68	.61
14	19	38	35	19	16	15	12	5.9	4.1	.87	5.7	.49
15	63	33	32	18	15	15	11	5.4	3.5	.89	3.8	.43
16	41	28	29	17	14	16	10	4.8	3.0	.91	1.6	.35
17	29	26	26	17	14	26	9.1	4.5	2.9	.93	1.1	.35
18	24	24	24	17	13	51	8.6	4.1	2.8	.76	1.1	.23
19	21	22	112	28	13	46	8.2	3.7	2.7	.65	.75	.24
20	19	21	137	30	13	34	8.4	3.6	2.7	.58	.56	.28
21	17	20	77	25	12	27	8.9	3.3	2.6	.57	.48	.45
22	15	19	59	23	12	23	7.7	3.1	4.6	.45	.67	.42
23	13	18	49	21	12	20	7.3	2.9	2.9	.46	.48	.27
24	13	19	42	23	11	18	6.8	2.9	2.6	.47	.35	.21
25	12	29	37	26	10	17	6.5	2.8	2.4	.60	.42	.27
26	11	28	33	23	10	16	6.9	3.8	2.0	.61	1.1	.25
27	11	25	30	55	9.8	14	6.8	40	1.7	.53	1.7	.25
28	49	23	27	61	12	60	6.1	30	1.5	.59	.84	.24
29	34	22	25	45	15	63	5.6	20	1.4	.54	.62	.29
30	25	21	24	37	---	48	89	11	1.2	.41	.42	.56
31	22	---	25	33	---	39	---	8.9	---	.33	.36	---
TOTAL	774	938	1379	840	522.8	772.9	493.9	363.6	100.8	29.29	43.20	15.29
MEAN	25.0	31.3	44.5	27.1	18.0	24.9	16.5	11.7	3.36	.94	1.39	.51
MAX	80	75	137	61	38	63	89	52	6.7	2.9	8.7	2.2
MIN	10	18	17	17	9.8	9.9	5.6	2.8	1.2	.33	.35	.22

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1996, BY WATER YEAR (WY)

MEAN	5.96	8.43	18.6	36.5	50.0	46.1	23.3	15.4	16.8	16.4	11.0	9.99
MAX	25.0	31.3	44.5	72.3	145	113	63.6	39.2	67.6	40.3	52.2	67.3
(WY)	1996	1996	1996	1978	1973	1980	1973	1975	1973	1976	1971	1979
MIN	.87	1.14	2.19	3.43	8.48	6.77	2.83	2.34	2.41	.89	1.39	.51
(WY)	1979	1979	1981	1981	1981	1981	1981	1981	1977	1977	1996	1996

## SUMMARY STATISTICS

FOR 1996 WATER YEAR

## WATER YEARS 1971 - 1996

ANNUAL TOTAL	6272.78								
ANNUAL MEAN	17.1				21.4				
HIGHEST ANNUAL MEAN					36.9				1973
LOWEST ANNUAL MEAN					5.92				1981
HIGHEST DAILY MEAN	137	Dec	20		625		Feb	15	1973
LOWEST DAILY MEAN	.21	Sep	24		.00		Aug	15	1971
ANNUAL SEVEN-DAY MINIMUM	.25	Sep	23		.25		Sep	23	1996
INSTANTANEOUS PEAK FLOW	187	* Dec	19		2340		Sep	4	1979
INSTANTANEOUS PEAK STAGE	5.02	* Dec	19		7.37		Sep	4	1979
10 PERCENT EXCEEDS	38				50				
50 PERCENT EXCEEDS	13				9.0				
90 PERCENT EXCEEDS	.54				1.9				

\* Also occurred on Dec. 20.

EDISTO RIVER BASIN  
02174250 COW CASTLE CREEK NEAR BOWMAN, SC  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1996 to current.

PERIOD OF DAILY RECORD.--April 1996 to September 1996.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 159 microsiemens, May 31, 1996; minimum, 74 microsiemens, Aug. 15, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 159 microsiemens, May 31; minimum, 74 microsiemens, Aug. 15.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	86	82	85
5	---	---	---	---	---	---	---	---	---	92	85	88
6	---	---	---	---	---	---	---	---	---	92	89	90
7	---	---	---	---	---	---	---	---	---	92	91	92
8	---	---	---	---	---	---	---	---	---	93	92	92
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	87	84	85	---	---	---
12	---	---	---	---	---	---	88	86	87	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	92	89	90	110	89	104
15	---	---	---	---	---	---	---	---	---	107	85	96
16	---	---	---	---	---	---	96	93	94	110	107	109
17	---	---	---	---	---	---	---	---	---	110	108	109
18	---	---	---	---	---	---	101	97	98	112	108	110
19	---	---	---	---	---	---	99	98	98	114	111	113
20	---	---	---	---	---	---	---	---	---	114	112	113
21	---	---	---	---	---	---	---	---	---	117	114	116
22	---	---	---	---	---	---	---	---	---	120	116	117
23	---	---	---	---	---	---	---	---	---	119	117	118
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	105	102	103	---	---	---
26	---	---	---	---	---	---	106	104	105	---	---	---
27	---	---	---	---	---	---	110	106	108	---	---	---
28	---	---	---	---	---	---	107	105	106	---	---	---
29	---	---	---	---	---	---	107	106	107	119	81	98
30	---	---	---	---	---	---	---	---	---	148	119	136
31	---	---	---	---	---	---	---	---	---	159	148	152
MONTH	---	---	---	---	---	---	110	84	98	159	81	108





## EDISTO RIVER BASIN

02175000 EDISTO RIVER NEAR GIVHANS, SC

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.--Data collection platform. Datum of gage is 20.46 ft above sea level.

REMARKS.--Records fair except for estimated daily discharges, Oct. 10 - 15, Nov. 29 to Dec. 1, Apr. 11 - 14, 24 - 26, July 30 to Aug. 5, Aug. 29 to Sept. 8, which are poor. About 132 ft<sup>3</sup>/s diverted above station for Charleston water supply during year.

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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5530	2420	2420	3700	4350	2330	5440	1890	1060	761	1040	1520
2	5300	2420	2430	3610	4590	2360	5410	2050	1140	711	1000	1590
3	5060	2460	2390	3430	4720	2380	5330	2180	1200	670	980	1650
4	4830	2510	2360	3270	4700	2400	5250	2300	1210	638	1000	1660
5	4630	2550	2330	3130	4620	2430	5120	2390	1220	615	980	1600
6	4420	2580	2310	3020	4520	2440	4910	2400	1230	620	980	1480
7	4200	2640	2290	2980	4430	2450	4690	2310	1230	634	1080	1300
8	3950	2760	2280	2990	4320	2470	4590	2240	1190	640	1110	1170
9	3640	2960	2310	3040	4180	2760	4430	2200	1060	675	1120	1050
10	3400	3130	2460	3150	3990	2950	4160	2170	945	768	1170	1020
11	3200	3300	2650	3170	3800	3050	3800	2120	878	831	1190	1090
12	3000	3450	2930	3160	3630	3150	3600	2010	833	876	1210	1300
13	2900	3550	3220	3160	3490	3300	3400	1910	813	880	1270	1480
14	2800	3630	3470	3150	3370	3460	3200	1830	822	891	1480	1500
15	2800	3690	3650	3090	3240	3540	2920	1680	845	914	1680	1470
16	2900	3710	3790	3000	3110	3690	2740	1490	903	947	1850	1380
17	3110	3720	3880	2930	2960	4170	2580	1340	966	937	1890	1240
18	3210	3710	3890	2870	2810	4890	2460	1240	1010	908	1790	1110
19	3190	3670	3860	2890	2670	5560	2340	1150	1060	840	1650	1040
20	3060	3600	3880	2920	2560	6000	2220	1070	1120	797	1530	1010
21	2980	3410	3910	2950	2490	6140	2120	1010	1200	797	1410	987
22	2900	3110	3890	2940	2440	6100	2020	964	1300	823	1310	947
23	2810	2990	3860	2930	2410	5900	1950	922	1360	862	1230	888
24	2730	2870	3930	2940	2380	5570	1900	888	1320	870	1170	845
25	2640	2820	4040	2940	2350	5210	1850	864	1140	855	1120	828
26	2560	2790	4040	2940	2330	4840	1800	843	1020	849	1150	824
27	2450	2740	3980	3090	2300	4470	1790	818	960	854	1270	824
28	2410	2650	3940	3470	2290	4280	1760	810	912	901	1310	818
29	2420	2550	3910	3820	2300	4360	1700	831	878	943	1350	801
30	2440	2480	3860	3980	---	4850	1730	889	816	980	1400	800
31	2440	---	3790	4110	---	5340	---	974	---	1020	1460	---
TOTAL	103910	90870	101950	98770	97350	122840	97210	47783	31641	25307	40180	35222
MEAN	3352	3029	3289	3186	3357	3963	3240	1541	1055	816	1296	1174
MAX	5530	3720	4040	4110	4720	6140	5440	2400	1360	1020	1890	1660
MIN	2410	2420	2280	2870	2290	2330	1700	810	813	615	980	800
CFSM	1.23	1.11	1.20	1.17	1.23	1.45	1.19	.56	.39	.30	.47	.43
IN.	1.42	1.24	1.39	1.35	1.33	1.67	1.32	.65	.43	.34	.55	.48

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

	1886	1634	2453	3313	4171	4760	3744	2168	1806	1719	1981	1962
MEAN	1886	1634	2453	3313	4171	4760	3744	2168	1806	1719	1981	1962
MAX	13060	7657	10790	11100	10910	9963	8972	5857	9000	7902	8300	9478
(WY)	1965	1960	1949	1993	1973	1948	1961	1984	1973	1941	1991	1964
MIN	415	544	812	1096	1125	1171	1054	685	435	352	344	385
(WY)	1955	1955	1955	1956	1989	1955	1985	1985	1956	1988	1988	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1939 - 1996
ANNUAL TOTAL	1331947	893033	
ANNUAL MEAN	3649	2440	2631
HIGHEST ANNUAL MEAN			5225
LOWEST ANNUAL MEAN			1191
HIGHEST DAILY MEAN	13400	Feb 25	24100
LOWEST DAILY MEAN	833	Jun 1	252
ANNUAL SEVEN-DAY MINIMUM	859	May 28	257
INSTANTANEOUS PEAK FLOW			24500
INSTANTANEOUS PEAK STAGE			15.84
INSTANTANEOUS LOW FLOW			250
ANNUAL RUNOFF (CFSM)	1.34	.89	.96
ANNUAL RUNOFF (INCHES)	18.15	12.17	13.09
10 PERCENT EXCEEDS	7100	4290	5460
50 PERCENT EXCEEDS	2770	2410	1830
90 PERCENT EXCEEDS	1320	868	735

\*Also occurred on Mar. 22.

EDISTO RIVER BASIN  
02175000 EDISTO RIVER NEAR GIVHANS, SC  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1996 to current.

PERIOD OF DAILY RECORD.--April 1996 to September 1996.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 82 microsiemens, Apr. 30, May 30, 1996; minimum, 48 microsiemens, Sept. 20, 21, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 82 microsiemens, Apr. 30, May 30; minimum, 48 microsiemens, Sept. 20, 21.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	73	68	70
2	---	---	---	---	---	---	---	---	---	69	67	68
3	---	---	---	---	---	---	---	---	---	69	69	69
4	---	---	---	---	---	---	---	---	---	72	69	70
5	---	---	---	---	---	---	---	---	---	73	69	71
6	---	---	---	---	---	---	---	---	---	76	68	72
7	---	---	---	---	---	---	---	---	---	73	65	68
8	---	---	---	---	---	---	---	---	---	72	68	70
9	---	---	---	---	---	---	---	---	---	73	71	72
10	---	---	---	---	---	---	---	---	---	74	72	73
11	---	---	---	---	---	---	---	---	---	74	71	72
12	---	---	---	---	---	---	---	---	---	75	69	72
13	---	---	---	---	---	---	---	---	---	70	63	66
14	---	---	---	---	---	---	---	---	---	65	62	63
15	---	---	---	---	---	---	68	66	67	66	63	64
16	---	---	---	---	---	---	70	68	69	65	62	63
17	---	---	---	---	---	---	70	68	69	69	62	66
18	---	---	---	---	---	---	70	68	69	70	65	66
19	---	---	---	---	---	---	71	69	70	---	---	---
20	---	---	---	---	---	---	71	68	69	---	---	---
21	---	---	---	---	---	---	70	68	69	---	---	---
22	---	---	---	---	---	---	71	69	70	---	---	---
23	---	---	---	---	---	---	---	---	---	62	57	58
24	---	---	---	---	---	---	---	---	---	63	58	60
25	---	---	---	---	---	---	---	---	---	63	61	62
26	---	---	---	---	---	---	---	---	---	66	61	63
27	---	---	---	---	---	---	75	68	72	66	62	64
28	---	---	---	---	---	---	77	71	75	65	58	62
29	---	---	---	---	---	---	79	74	76	72	58	62
30	---	---	---	---	---	---	82	72	77	82	71	76
31	---	---	---	---	---	---	---	---	---	79	65	70
MONTH	---	---	---	---	---	---	82	66	71	82	57	67



## COMBAHEE RIVER BASIN

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.--Data collection platform. Datum of gage is 64.35 ft above sea level. 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 except for estimated daily discharges, Oct. 1 - 6, 22, 23, May 17 - 21, July 16 - 25, Aug. 27, 28, Sept. 11 - 16, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUE

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	400	369	348	386	734	379	789	700	260	49	226	145
2	350	373	336	401	630	403	715	509	175	45	234	138
3	279	369	322	405	582	428	610	399	125	41	364	149
4	278	377	319	404	538	421	528	339	108	36	330	144
5	330	360	314	415	504	376	481	299	108	68	397	139
6	390	359	308	440	502	349	438	249	107	188	447	136
7	418	372	338	459	506	405	422	241	95	294	351	136
8	388	427	385	453	487	484	403	635	86	388	322	136
9	350	449	454	424	450	537	389	414	87	427	275	148
10	327	474	590	409	418	569	381	275	94	390	237	150
11	287	526	629	410	393	555	367	229	86	300	202	145
12	262	530	614	405	376	526	344	206	84	190	258	135
13	248	514	583	393	364	475	324	180	104	136	269	125
14	242	486	529	378	350	413	313	165	131	128	269	115
15	280	467	479	369	342	368	300	157	145	137	305	105
16	304	444	434	367	334	378	285	153	139	160	339	95
17	329	413	399	366	327	429	275	150	130	200	288	90
18	323	382	386	361	320	620	269	150	133	245	225	90
19	295	358	406	382	317	841	258	150	126	275	180	88
20	274	335	462	403	323	956	252	145	113	290	158	85
21	249	320	515	410	332	866	254	145	102	300	149	83
22	230	308	654	410	336	754	244	141	101	280	128	89
23	220	301	695	412	346	619	241	130	91	260	116	92
24	203	296	638	406	357	501	250	118	91	225	109	104
25	199	313	560	399	352	426	242	109	90	200	119	117
26	197	325	483	381	335	392	229	103	75	163	263	109
27	199	332	431	443	321	372	238	154	66	131	350	98
28	260	339	394	557	326	472	223	248	58	130	355	91
29	310	349	375	593	372	611	230	274	55	139	320	87
30	308	351	365	635	---	673	502	279	51	144	239	97
31	341	---	375	722	---	816	---	283	---	135	171	---
TOTAL	9070	11618	14120	13398	11874	16414	10796	7729	3216	6094	7995	3461
MEAN	293	387	455	432	409	529	360	249	107	197	258	115
MAX	418	530	695	722	734	956	789	700	260	427	447	150
MIN	197	296	308	361	317	349	223	103	51	36	109	83
CFSM	.86	1.14	1.34	1.27	1.20	1.55	1.06	.73	.31	.58	.76	.34
IN.	.99	1.27	1.54	1.46	1.30	1.79	1.18	.84	.35	.66	.87	.38

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1996, BY WATER YEAR (WY)

	MEAN	269	286	386	468	527	560	426	287	259	224	255	225
MAX	1038	834	794	1166	1303	1224	918	766	866	877	1038	800	
(WY)	1960	1993	1972	1993	1960	1980	1960	1984	1973	1975	1991	1964	
MIN	68.2	130	200	188	196	214	157	92.0	66.1	47.0	48.6	44.1	
(WY)	1955	1959	1955	1956	1957	1955	1968	1955	1988	1990	1954	1954	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1951 - 1996

ANNUAL TOTAL	159544	115785	
ANNUAL MEAN	437	316	
HIGHEST ANNUAL MEAN			348
LOWEST ANNUAL MEAN			628
HIGHEST DAILY MEAN	2800	Aug 27	186
LOWEST DAILY MEAN	84	May 29	3390
ANNUAL SEVEN-DAY MINIMUM	110	May 9	18
INSTANTANEOUS PEAK FLOW			19
INSTANTANEOUS PEAK STAGE			4360
INSTANTANEOUS LOW FLOW			5.79
ANNUAL RUNOFF (CFSM)	1.28		17
ANNUAL RUNOFF (INCHES)	17.40		1.02
10 PERCENT EXCEEDS	795		13.88
50 PERCENT EXCEEDS	345		659
90 PERCENT EXCEEDS	159		269
			98

\* Also occurred on July 5.





## BROAD RIVER BASIN

02176517 COOSAWHATCHIE RIVER NEAR EARLY BRANCH, SC

LOCATION.--Lat 32°41'51'', long 80°57'57'', Hampton County, Hydrologic Unit 03050208, on County Road 36, 6.5 miles northwest of Yemassee, 4.0 miles southwest of Early Branch.

DRAINAGE AREA.--382 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1995 to September 1996.

GAGE.--Data collection platform. Datum of gage is 16.53 ft above sea level.

REMARKS.--Estimated daily discharges, Oct. 1 - 26, Jan. 4 - 8, July 17 - 20, Aug. 9 - 11. Records poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	500	170	245	281	810	269	1690	422	14	8.3	22	146
2	430	184	245	306	781	282	1290	810	13	7.2	23	120
3	380	209	241	331	777	283	1020	2180	14	5.7	23	107
4	370	220	231	343	776	286	837	1550	15	4.9	24	111
5	350	208	221	358	816	292	697	997	15	28	34	155
6	360	198	213	373	800	302	597	701	14	153	60	197
7	360	247	215	388	718	356	550	511	13	195	144	160
8	330	400	217	404	641	445	495	386	12	137	283	110
9	280	536	234	416	567	547	450	292	12	132	387	82
10	230	616	300	426	502	660	407	220	13	189	300	62
11	190	634	376	423	458	744	369	175	13	236	251	77
12	170	627	450	415	418	712	336	143	13	216	227	87
13	150	628	499	401	379	616	299	125	13	150	219	87
14	170	584	503	380	348	506	264	114	14	110	199	94
15	200	513	489	351	327	419	235	97	15	110	191	84
16	300	439	456	323	323	391	209	82	31	190	196	62
17	370	388	408	298	313	407	186	69	51	301	195	44
18	310	357	364	284	301	543	168	58	47	330	164	31
19	270	334	342	296	285	847	152	50	32	300	123	21
20	230	306	334	310	283	2430	138	45	27	180	95	16
21	200	279	341	315	284	2800	140	39	43	140	73	13
22	170	252	408	326	286	1960	138	36	37	105	52	12
23	150	229	456	331	287	1310	131	36	25	81	37	9.8
24	130	215	469	342	283	988	124	32	18	62	27	8.4
25	125	230	467	360	273	790	115	25	15	44	32	7.4
26	116	253	431	356	263	655	111	21	14	34	94	6.1
27	107	265	381	356	251	562	150	19	13	27	180	5.2
28	131	267	337	357	249	628	171	18	12	32	321	4.9
29	148	260	303	399	257	784	204	16	10	29	317	4.9
30	157	248	279	572	---	1150	297	15	9.2	28	227	19
31	161	---	276	761	---	1690	---	14	---	22	179	---
TOTAL	7545	10296	10731	11582	13056	24654	11970	9298	587.2	3587.1	4699	1943.7
MEAN	243	343	346	374	450	795	399	300	19.6	116	152	64.8
MAX	500	634	503	761	816	2800	1690	2180	51	330	387	197
MIN	107	170	213	281	249	269	111	14	9.2	4.9	22	4.9
CFSM	.64	.90	.91	.98	1.18	2.08	1.04	.79	.05	.30	.40	.17
IN.	.73	1.00	1.05	1.13	1.27	2.40	1.17	.91	.06	.35	.46	.19

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

	MEAN	243	343	346	374	450	795	399	300	19.6	116	152	64.8
MAX	243	343	346	374	450	795	399	300	300	19.6	116	152	64.8
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	243	343	346	374	450	795	399	300	300	19.6	116	152	64.8
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

## SUMMARY STATISTICS

## FOR 1996 WATER YEAR

ANNUAL TOTAL	109949.0
ANNUAL MEAN	300
HIGHEST DAILY MEAN	2800
LOWEST DAILY MEAN	4.9
ANNUAL SEVEN-DAY MINIMUM	6.7
INSTANTANEOUS PEAK FLOW	3030
INSTANTANEOUS PEAK STAGE	6.08
ANNUAL RUNOFF (CFSM)	.79
ANNUAL RUNOFF (INCHES)	10.71
10 PERCENT EXCEEDS	627
50 PERCENT EXCEEDS	238
90 PERCENT EXCEEDS	16

\* Also occurred on Sept. 28, 29.

\*\* Also occurred on Mar. 21.

## SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA

LOCATION.--Lat 34°48'50'', long 83°18'22'', Oconee County, SC-Rabon 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. Water-quality sampling site at gaging station (see Water Resources Data for Georgia).

DRAINAGE AREA.--207 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records good except for estimated daily discharges, June 10 - 18, which are fair. Periods of monthly discharge only are not included in statistics computations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	278	517	552	509	1460	790	1100	819	487	380	369	433
2	272	787	538	658	2250	783	967	714	473	368	288	410
3	283	851	525	729	2940	754	890	661	471	352	329	468
4	2140	643	520	582	2030	726	847	623	476	335	277	741
5	5900	569	515	540	1690	725	809	599	480	323	573	787
6	2450	541	519	564	1530	1480	779	596	449	333	782	618
7	1460	1670	605	658	1430	1900	753	634	431	329	439	503
8	1070	1530	546	550	1350	1530	727	593	476	315	471	455
9	907	944	683	530	1350	1140	726	586	1970	305	382	427
10	802	802	626	536	1250	1020	695	564	1400	288	331	442
11	728	2460	551	519	1190	948	681	550	1300	277	630	440
12	673	2160	531	543	1110	906	666	533	950	271	1710	626
13	664	1400	520	511	1070	868	665	508	800	290	988	447
14	1160	1140	508	520	1050	838	663	513	720	306	802	389
15	982	990	501	556	1010	838	641	560	680	512	608	367
16	771	904	491	631	975	869	642	577	680	459	544	444
17	689	841	477	651	935	819	612	529	640	323	468	831
18	643	799	519	1050	922	780	599	517	660	291	778	513
19	612	763	1040	4110	894	1180	615	510	624	274	583	438
20	597	731	879	1760	1500	1040	698	467	616	264	477	403
21	577	702	685	1290	1270	899	976	426	562	260	440	399
22	542	669	619	1070	1080	843	752	420	530	255	460	496
23	527	646	579	955	1010	790	677	420	497	249	523	395
24	518	638	547	1220	954	757	637	428	476	238	478	364
25	506	618	530	1150	898	790	605	753	494	276	510	352
26	490	602	515	1420	877	810	698	634	448	331	594	341
27	491	588	504	6310	859	754	696	761	434	266	489	446
28	542	585	490	2660	847	1090	618	718	429	245	447	2300
29	474	633	478	2040	810	1150	630	618	409	254	413	1880
30	455	576	476	1770	---	970	957	528	393	246	597	1030
31	470	---	481	1650	---	967	---	507	---	321	503	---
TOTAL	28673	27299	17550	38242	36541	29754	22021	17866	19455	9536	17283	18185
MEAN	925	910	566	1234	1260	960	734	576	648	308	558	606
MAX	5900	2460	1040	6310	2940	1900	1100	819	1970	512	1710	2300
MIN	272	517	476	509	810	725	599	420	393	238	277	341
CFSM	4.47	4.40	2.73	5.96	6.09	4.64	3.55	2.78	3.13	1.49	2.69	2.93
IN.	5.15	4.91	3.15	6.87	6.57	5.35	3.96	3.21	3.50	1.71	3.11	3.27

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

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

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

\* From rating curve extended above 4,700 ft<sup>3</sup>/s on basis of slope-area measurements at gage heights 9.9 ft and 13.2 ft.

SAVANNAH RIVER BASIN  
02177000 CHATTOOGA RIVER NEAR CLAYTON, GA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.

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

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

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ALKA- LILITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
OCT											
04...	0500	1.93	733	723	18.0	--	14	1.0	4	8.0	6.7
NOV											
02...	0500	1.82	617	732	13.0	<20	14	<1.0	4	9.1	6.8
DEC											
06...	0500	1.70	521	730	9.0	50	13	1.0	4	10.8	7.0
JAN											
25...	1545	2.29	1080	740	6.0	<20	13	<1.0	4	12.4	6.7
FEB											
22...	1300	2.29	1080	729	10.5	<20	13	<1.0	3	10.4	6.8
MAR											
28...	1115	2.27	1060	736	9.5	80	13	<1.0	4	11.2	6.8
APR											
17...	1345	1.81	609	735	14.5	<20	13	<1.0	4	9.8	7.0

DATE	TUR- BID- ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT											
04...	7.0	31	2.0	--	<0.020	<0.030	0.20	0.20	0.20	--	0.030
NOV											
02...	2.0	3	1.0	--	<0.020	<0.030	--	<0.10	--	--	<0.020
DEC											
06...	1.0	1	<1.0	0.020	0.020	<0.030	--	<0.10	--	--	<0.020
JAN											
25...	4.0	3	4.0	0.060	0.060	0.040	--	<0.10	--	0.05	<0.020
FEB											
22...	<1.0	2	<1.0	0.040	0.040	<0.030	--	<0.10	--	--	<0.020
MAR											
28...	3.0	3	4.0	--	<0.020	<0.030	--	<0.10	--	--	<0.020
APR											
17...	<1.0	<1	<1.0	--	<0.020	<0.030	--	<0.10	--	--	<0.020

## SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA--Continued

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

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ALKA- LILITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
MAY												
23...	0815	1.56	420	733	20.5	<20	14	<1.0	7	8.3	96	7.0
JUN												
20...	1940	1.72	601	730	23.5	<20	14	<1.0	4	7.7	95	6.8
JUL												
11...	1330	1.31	277	738	24.0	<20	15	<1.0	4	8.1	100	7.0
AUG												
29...	0845	1.56	420	737	21.0	<20	14	<1.0	5	8.5	99	6.8
SEP												
12...	1750	1.77	576	729	21.5	--	14	<1.0	4	8.2	97	6.6

DATE	TUR- BID- ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	NITRO- GEN, NITRATE TOTAL (MG/L) AS N) (00620)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L) AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	NITRO- GEN, TOTAL (MG/L) AS N) (00600)	NITRO- GEN, TOTAL (MG/L) AS NO3) (71887)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)
MAY											
23...	2.0	2	<1.0	0.050	0.050	<0.030	--	<0.10	--	--	<0.020
JUN											
20...	2.0	<1	<1.0	--	<0.020	<0.030	--	<0.10	--	--	<0.020
JUL											
11...	<1.0	<1	<1.0	--	<0.020	<0.030	--	<0.10	--	--	<0.020
AUG											
29...	2.0	3	<1.0	--	<0.020	<0.030	--	<0.10	--	--	<0.020
SEP											
12...	19	24	2.0	0.040	0.040	<0.030	0.20	0.20	0.24	1.1	0.040

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

02184475 HOWARD CREEK NEAR JOCASSEE, SC

LOCATION.--Lat 35°00'10'', long 83°01'31'', Oconee county, Hydrologic Unit 03060101, on left side of downstream end of culvert on SC Hwy 130, at West Bad Creek, 0.3 mi upstream of Bad Creek, 1.4 mi south of NC-SC border, and 8.2 mi northwest of Salem.

DRAINAGE AREA.--2.16 mi<sup>2</sup>

PERIOD OF RECORD.--May 1988 to September 1996 (discontinued).

GAGE.--Data collection platform. Datum of gage is 2,100 ft above sea level (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, Feb. 29 to Mar. 4, June 26 - 28, July 17 - 23, Aug. 4, 5, Sept. 27, 28, and those below 3.0 ft<sup>3</sup>/s, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	5.7	5.4	5.5	12	9.0	7.9	5.5	3.4	3.1	4.6	9.3
2	2.5	7.4	5.4	7.1	18	8.5	7.4	5.4	3.4	3.2	4.1	9.4
3	3.0	6.4	5.4	6.2	17	8.0	7.2	5.3	3.3	3.5	3.8	15
4	15	5.8	5.3	5.6	14	7.5	7.1	5.2	3.3	3.5	4.0	39
5	47	6.0	5.4	5.4	12	7.4	6.8	5.0	3.1	3.5	22	15
6	12	6.0	5.3	5.6	12	11	6.7	4.9	3.2	3.7	11	12
7	9.5	11	5.8	5.6	11	12	6.4	4.6	3.1	3.4	8.8	11
8	8.9	8.3	5.4	5.2	11	9.7	6.4	4.7	5.2	3.4	8.1	10
9	8.8	7.3	6.2	5.3	11	8.5	6.2	4.5	9.4	3.2	6.5	10
10	8.1	6.8	5.8	5.3	11	8.1	6.0	4.2	6.3	3.1	5.7	10
11	6.7	21	5.7	5.1	11	7.9	5.9	4.3	5.9	3.0	12	10
12	6.4	11	5.5	5.2	10	7.8	5.8	4.0	5.1	3.0	19	9.8
13	7.4	9.0	5.5	5.0	9.7	7.5	5.8	4.1	4.6	3.0	12	9.0
14	13	8.2	5.4	5.2	9.5	7.4	5.7	4.0	4.2	4.6	10	8.9
15	8.6	7.6	5.3	5.7	9.5	7.6	5.7	4.4	4.0	6.4	9.1	8.7
16	7.6	7.5	5.2	6.0	9.2	7.3	5.6	4.0	3.9	3.9	8.4	10
17	7.2	7.2	5.1	6.0	9.0	7.2	5.5	3.8	4.2	3.8	8.6	10
18	7.0	6.8	6.0	21	8.9	7.0	5.1	3.6	3.8	3.6	8.5	8.9
19	6.6	6.8	8.1	23	8.7	9.6	5.4	3.5	4.6	3.6	7.9	8.9
20	6.4	6.7	6.5	12	13	8.1	5.9	3.4	5.8	3.6	7.0	8.4
21	6.3	6.3	5.9	11	11	7.4	5.9	3.4	4.6	3.5	7.1	9.2
22	5.9	6.1	5.7	10	10	7.2	5.4	3.3	4.1	3.5	6.7	8.7
23	5.8	6.0	5.5	9.9	9.7	7.0	5.4	3.4	3.8	3.5	6.1	8.5
24	5.7	6.0	5.3	11	9.4	6.9	5.1	3.7	5.0	2.8	6.6	8.5
25	5.7	6.0	5.2	10	9.0	7.4	5.1	5.5	4.3	3.7	6.9	9.4
26	5.7	6.0	5.1	29	9.2	7.1	5.7	4.7	3.8	3.4	9.1	9.4
27	5.9	6.0	5.1	38	8.9	7.0	5.3	4.6	3.6	3.0	8.6	9.3
28	5.6	6.0	5.0	17	8.8	9.3	5.0	5.0	3.5	3.3	8.1	21
29	5.3	5.9	4.9	14	8.4	8.4	5.4	4.1	3.2	3.0	12	12
30	5.1	5.6	4.8	13	---	7.7	6.3	3.8	3.1	3.3	19	10
31	5.5	---	5.2	13	---	7.8	---	3.6	---	5.9	10	---
TOTAL	256.9	222.4	171.4	326.9	311.9	250.3	179.1	133.5	128.8	111.0	281.3	339.3
MEAN	8.29	7.41	5.53	10.5	10.8	8.07	5.97	4.31	4.29	3.58	9.07	11.3
MAX	47	21	8.1	38	18	12	7.9	5.5	9.4	6.4	22	39
MIN	2.5	5.6	4.8	5.0	8.4	6.9	5.0	3.3	3.1	2.8	3.8	8.4
CFSM	3.84	3.43	2.56	4.88	4.98	3.74	2.76	1.99	1.99	1.66	4.20	5.24
IN.	4.42	3.83	2.95	5.63	5.37	4.31	3.08	2.30	2.22	1.91	4.84	5.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1996, BY WATER YEAR (WY)

	MEAN	7.83	7.42	6.80	8.36	10.2	11.0	7.86	6.26	6.96	6.88	8.33	7.52
MAX	22.8	14.9	12.9	15.6	25.4	20.9	11.2	11.9	21.8	26.2	15.2	16.9	16.9
(WY)	1990	1993	1990	1990	1990	1990	1990	1990	1989	1989	1994	1989	1989
MIN	1.86	2.62	3.31	4.75	5.86	8.07	4.60	3.17	2.39	2.56	2.53	2.46	2.46
(WY)	1994	1994	1989	1989	1989	1996	1995	1988	1988	1993	1993	1993	1993

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1988 - 1996

ANNUAL TOTAL	2244.6	2712.8	8.14
ANNUAL MEAN	6.15	7.41	12.9
HIGHEST ANNUAL MEAN			6.06
LOWEST ANNUAL MEAN			1990
HIGHEST DAILY MEAN	47	Oct 5	135
LOWEST DAILY MEAN	1.9	Jul 25	1.4
ANNUAL SEVEN-DAY MINIMUM	2.3	Jul 21	1.6
INSTANTANEOUS PEAK FLOW			432
INSTANTANEOUS PEAK STAGE			3.11
INSTANTANEOUS LOW FLOW			1.4
ANNUAL RUNOFF (CFSM)	2.85	3.43	3.77
ANNUAL RUNOFF (INCHES)	38.66	46.72	51.19
10 PERCENT EXCEEDS	9.8	11	14
50 PERCENT EXCEEDS	5.4	6.1	6.0
90 PERCENT EXCEEDS	2.9	3.5	2.8

\* Also occurred on June 15, 16, 19, 1988, Nov. 24, 25, 1993.

\*\* Also occurred on July 22 - 23, Nov. 21 - 24, 1993.

\*\*\* Also occurred on Sept. 4.

\*\*\*\* Also occurred on Oct. 3.



## SAVANNAH RIVER BASIN

02185145 LAKE KEOWEE NEAR SIX MILE, SC

LOCATION.--Lat 34°47'59'', long 82°53'06'', Pickens County, Hydrologic Unit 03060101, on right wingwall of Lake Keowee Spillway, approximately 100 ft. from spillway.

DRAINAGE AREA.--439 mi<sup>2</sup> (Revised).

PERIOD OF RECORD.--October 1988 to current year. Prior to the 1995 water year station published as 02185300.

GAGE.--Data collection platform. Datum of gage is sea level (based on Duke Power Company benchmark).

REMARKS.--Lake is formed by earth dikes and dam. Generation began in 1971. Usable capacity, 17,060,000,000 ft<sup>3</sup> between elevations 775.0 ft (normal limit of drawdown) and 800.0 ft (maximum normal elevation). Dead storage below 775.0 ft, 22,620,000,000 ft<sup>3</sup>. Lake is used for generation of power and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 800.16 ft, Apr. 26, 1994; minimum gage height, 793.60 ft, Nov. 23, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 800.03 ft, Aug. 10, minimum gage height, 796.85 ft, Jan. 16.

## Capacity Table

(Provided by Duke Power Co.)

Elevation, in feet (NGVD)	Usable contents, in billions of cubic feet
780.0	2.94
785.0	6.11
790.0	9.52
795.0	13.18
800.0	17.06

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	797.94	795.60	794.84	794.64	797.53	798.21	798.20	798.72	799.14	798.54	799.18	798.07
2	798.75	796.11	794.90	794.63	798.44	798.46	798.28	798.74	799.50	798.16	799.25	797.61
3	798.79	796.01	794.86	794.76	798.16	798.71	798.04	798.80	799.75	797.83	799.13	797.97
4	798.83	796.06	794.75	795.50	798.40	798.72	797.89	798.78	799.50	797.51	798.64	798.92
5	799.12	795.87	794.76	795.60	798.54	798.36	797.94	798.94	799.20	797.98	799.47	798.61
6	799.32	795.95	794.88	796.18	798.60	798.35	798.06	799.39	799.28	798.39	799.72	798.86
7	798.55	796.37	795.02	796.02	798.56	799.02	798.17	798.80	799.43	798.68	799.44	798.84
8	798.16	796.52	795.34	795.70	798.51	799.51	798.23	798.48	799.46	798.36	799.68	798.51
9	798.23	796.61	795.46	795.43	798.35	799.09	798.37	799.13	798.94	798.65	799.58	799.02
10	798.52	796.51	795.65	795.38	798.27	798.74	798.69	799.42	799.62	798.71	799.59	798.96
11	798.45	797.00	796.03	795.72	797.88	798.40	798.65	799.42	799.22	798.28	799.13	799.04
12	798.88	796.84	795.59	795.81	797.53	798.58	798.74	798.94	799.38	798.16	799.01	799.13
13	798.35	796.89	795.57	795.97	797.46	798.68	798.83	799.09	799.51	798.24	798.87	799.26
14	798.72	797.32	795.47	795.76	797.62	798.62	798.75	799.35	799.38	798.74	799.03	799.05
15	797.37	797.52	794.93	795.67	797.78	798.80	798.72	799.24	799.49	798.30	799.21	798.73
16	796.93	797.36	795.08	795.77	798.94	798.91	798.58	799.70	799.04	798.56	799.57	798.88
17	796.38	797.15	795.14	795.85	798.97	798.51	798.90	799.18	799.55	798.80	799.63	799.29
18	796.78	797.18	795.67	796.32	798.49	798.70	798.91	799.25	799.43	799.07	799.55	799.13
19	797.40	797.12	795.71	797.51	798.11	798.87	799.14	798.88	798.90	799.42	799.46	799.07
20	797.28	796.99	796.15	797.37	797.58	798.48	799.13	799.38	798.94	799.34	799.21	799.16
21	797.45	797.06	796.22	796.99	797.89	798.04	798.53	799.29	799.23	798.33	799.37	798.96
22	797.15	797.22	795.98	797.06	798.42	798.42	798.87	799.34	799.31	799.08	798.81	798.80
23	797.04	797.08	795.89	796.99	799.09	798.61	798.56	799.47	798.59	799.19	798.77	799.10
24	797.02	797.12	795.65	796.99	798.89	798.59	798.69	799.63	798.52	798.78	798.60	799.50
25	797.01	797.34	795.06	797.48	798.77	798.69	798.75	799.74	798.69	798.70	797.75	799.76
26	796.82	797.26	794.78	798.14	798.68	798.36	798.88	799.35	798.87	799.39	797.39	799.59
27	796.74	796.81	794.67	798.32	798.57	798.08	798.96	799.31	798.71	799.46	797.56	799.46
28	796.08	796.02	795.23	797.83	798.31	798.80	799.02	799.02	798.58	798.74	797.76	799.18
29	795.80	795.43	795.41	797.29	798.13	797.97	799.04	799.44	798.79	798.71	798.23	799.28
30	795.61	795.18	795.40	796.86	---	798.13	798.80	799.53	798.41	798.71	798.30	799.22
31	795.39	---	794.94	797.37	---	798.09	---	799.31	---	798.87	798.46	---
MAX	799.32	797.52	796.22	798.32	799.09	799.51	799.14	799.74	799.75	799.46	799.72	799.76
MIN	795.39	795.18	794.67	794.63	797.46	797.97	797.89	798.48	798.41	797.51	797.39	797.61
(+)	13.48	13.32	13.13	15.02	15.61	15.58	16.13	16.52	15.82	16.18	15.86	16.46
(*)	-862	-61.7	-70.9	+706	+236	-11.2	+212	+146	-270	+134	-119	+231

CAL YR 1995 \* -58.0 MAX 799.94 MIN 794.67

WTR YR 1996 \* +21.2 MAX 799.76 MIN 794.63

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

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

## 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 County 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.--Data collection platform. Datum of gage is 807.63 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, Oct. 11 - 15, Nov. 2, 3, Jan 31 to May 14, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	138	187	172	322	174	392	217	163	103	135	118
2	77	400	186	203	1000	172	312	204	159	102	108	120
3	80	300	183	209	969	169	293	196	155	98	133	129
4	1030	197	183	182	538	171	278	189	157	94	108	423
5	2220	172	180	211	435	178	262	184	153	94	449	315
6	532	163	177	270	396	479	257	182	145	98	252	201
7	306	955	202	363	375	711	246	187	142	96	181	131
8	199	542	184	305	359	439	236	179	161	95	138	124
9	161	324	234	283	347	326	232	177	267	94	130	121
10	149	260	207	277	310	287	223	173	205	89	128	127
11	140	1210	190	272	271	257	220	171	186	87	154	134
12	190	615	184	236	255	248	218	167	181	86	326	128
13	325	396	179	239	251	240	222	160	163	86	228	118
14	930	318	187	230	252	234	222	159	154	89	194	111
15	315	271	187	235	244	238	214	167	153	123	144	106
16	225	244	175	245	202	266	210	168	150	113	131	145
17	191	228	172	244	194	272	203	162	145	103	123	176
18	174	218	184	330	194	236	200	157	140	96	150	130
19	164	211	358	791	188	431	205	154	139	90	133	119
20	156	204	259	386	457	307	252	153	148	86	120	112
21	150	197	213	295	304	265	284	149	149	85	114	113
22	143	188	196	260	253	244	235	146	132	85	107	129
23	140	186	185	245	232	230	221	144	124	83	105	110
24	140	184	179	276	210	221	210	145	123	81	103	105
25	136	182	178	248	197	238	202	426	139	134	106	102
26	132	179	176	692	194	237	235	462	120	128	213	103
27	135	179	176	2820	190	228	213	343	116	96	213	105
28	146	179	175	562	186	424	201	256	115	93	158	228
29	129	186	172	403	178	361	202	212	112	94	134	235
30	126	190	172	358	---	304	260	189	105	94	145	164
31	130	---	172	362	---	318	---	176	---	121	127	---
TOTAL	9148	9216	5992	12204	9503	8905	7160	6154	4501	3016	4990	4482
MEAN	295	307	193	394	328	287	239	199	150	97.3	161	149
MAX	2220	1210	358	2820	1000	711	392	462	267	134	449	423
MIN	77	138	172	172	178	169	200	144	105	81	103	102
CFSM	4.10	4.27	2.68	5.47	4.55	3.99	3.31	2.76	2.08	1.35	2.24	2.07
IN.	4.73	4.76	3.10	6.31	4.91	4.60	3.70	3.18	2.33	1.56	2.58	2.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1996, BY WATER YEAR (WY)

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	130	160	195	231	224	250	225	198	172	126	148	120																		
MAX	302	412	368	399	371	477	416	463	577	350	432	286																		
(WY)	1990	1980	1968	1978	1974	1980	1980	1973	1967	1989	1994	1977																		
MIN	49.0	47.4	77.4	87.8	86.5	91.9	78.3	63.9	40.5	22.5	31.9	28.5																		
(WY)	1982	1982	1989	1981	1989	1981	1986	1986	1988	1986	1986	1970																		

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1967 - 1996

ANNUAL TOTAL	77957	85271	180
ANNUAL MEAN	214	233	255
HIGHEST ANNUAL MEAN			85.2
LOWEST ANNUAL MEAN			1980
HIGHEST DAILY MEAN	2220	Oct 5	10000
LOWEST DAILY MEAN	60	Aug 18	12
ANNUAL SEVEN-DAY MINIMUM	66	Aug 13	15
INSTANTANEOUS PEAK FLOW			12800
INSTANTANEOUS PEAK STAGE			12.29
INSTANTANEOUS LOW FLOW			12
ANNUAL RUNOFF (CFSM)	2.97	3.24	2.50
ANNUAL RUNOFF (INCHES)	40.28	44.06	33.98
10 PERCENT EXCEEDS	341	360	300
50 PERCENT EXCEEDS	172	186	144
90 PERCENT EXCEEDS	85	106	67

\* Also occurred on Oct. 2.

\*\* Also occurred on Oct. 2, 3.



SAVANNAH RIVER BASIN  
02186645 CONEROSS CREEK NEAR SENECA, SC

LOCATION.--Lat 34°38'57'', long 82°59'30'', Oconee County, Hydrologic Unit 03060101, on right bank 30 ft downstream of bridge on County Road 63, and 3.0 miles southwest of Seneca.

DRAINAGE AREA.--65.4 mi<sup>2</sup>.

PERIOD OF RECORD.--April 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 740 ft above sea level (from topographic map).

REMARKS.--Records good, except for those above 2,500 ft<sup>3</sup>/s, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	97	87	97	286	122	328	138	101	58	116	58
2	69	329	86	120	1010	120	214	124	96	59	69	60
3	73	243	85	122	1110	116	177	117	93	55	60	69
4	708	153	86	102	468	114	160	111	90	53	56	199
5	2120	122	85	97	363	114	150	108	89	53	99	127
6	530	113	87	116	301	770	144	109	86	58	122	104
7	383	564	130	322	280	1200	139	114	86	59	74	78
8	298	411	98	188	241	463	134	112	98	66	94	66
9	256	247	164	143	192	325	132	103	137	61	70	68
10	225	160	117	131	171	228	126	99	108	55	63	74
11	172	755	102	121	159	191	123	107	93	53	63	69
12	113	443	97	126	148	171	122	101	91	51	148	73
13	164	284	94	120	143	157	121	94	90	50	106	65
14	585	210	90	114	141	151	124	94	84	51	84	59
15	374	148	90	110	136	151	123	101	81	58	70	56
16	257	128	90	107	150	157	118	101	80	61	64	128
17	160	116	86	110	149	192	113	94	78	56	60	415
18	128	112	99	123	137	157	113	90	76	53	57	132
19	109	105	281	394	134	330	146	87	78	49	57	92
20	101	103	175	214	331	219	287	86	89	45	55	77
21	98	100	128	159	228	177	366	83	79	47	53	76
22	93	96	113	137	178	158	211	81	73	47	53	94
23	89	93	104	126	159	146	167	79	70	45	53	72
24	86	94	99	166	148	140	149	78	67	45	65	66
25	84	92	96	142	138	155	137	201	66	63	62	62
26	81	90	94	170	134	151	157	478	64	88	94	62
27	89	90	93	1970	129	149	136	454	62	63	115	62
28	108	90	92	526	135	304	125	357	62	57	80	94
29	87	92	90	423	126	241	124	167	61	55	66	114
30	84	89	90	364	---	187	207	129	59	54	70	85
31	91	---	91	339	---	217	---	112	---	58	61	---
TOTAL	7885	5769	3319	7499	7425	7473	4873	4309	2487	1726	2359	2856
MEAN	254	192	107	242	256	241	162	139	82.9	55.7	76.1	95.2
MAX	2120	755	281	1970	1110	1200	366	478	137	88	148	415
MIN	69	89	85	97	126	114	113	78	59	45	53	56
CFSM	3.89	2.94	1.64	3.70	3.91	3.69	2.48	2.13	1.27	.85	1.16	1.46
IN.	4.49	3.28	1.89	4.27	4.22	4.25	2.77	2.45	1.41	.98	1.34	1.62

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

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
MEAN	131	123	118	177	184	215	134	109	109	90.1	142	88.1
MAX	254	281	259	349	256	323	238	165	152	255	290	127
(WY)	1996	1993	1993	1993	1996	1990	1993	1991	1989	1989	1994	1992
MIN	46.8	64.4	78.2	92.7	102	129	65.9	61.3	58.3	52.1	49.7	50.4
(WY)	1994	1991	1991	1992	1991	1991	1989	1989	1990	1990	1993	1993

SUMMARY STATISTICS FOR 1995 CALENDAR YEAR FOR 1996 WATER YEAR WATER YEARS 1989 - 1996

	1995 CALENDAR YEAR	1996 WATER YEAR	WATER YEARS 1989 - 1996
ANNUAL TOTAL	55132	57980	
ANNUAL MEAN	151	158	135
HIGHEST ANNUAL MEAN			180
LOWEST ANNUAL MEAN			114
HIGHEST DAILY MEAN	2300	2120	2800
LOWEST DAILY MEAN	43	45	34
ANNUAL SEVEN-DAY MINIMUM	47	47	35
INSTANTANEOUS PEAK FLOW		3110	* 3590
INSTANTANEOUS PEAK STAGE		14.31	15.26
INSTANTANEOUS LOW FLOW		43	36
ANNUAL RUNOFF (CFSM)	2.31	2.42	2.06
ANNUAL RUNOFF (INCHES)	31.36	32.98	28.01
10 PERCENT EXCEEDS	283	299	226
50 PERCENT EXCEEDS	97	108	90
90 PERCENT EXCEEDS	61	60	53

\* From rating curve extended above 3,300 ft<sup>3</sup>/s.

\*\* Also occurred on July 23, 24.



## SANTEE RIVER BASIN

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, 1.9 mi upstream from Big Genorostee 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.--Data collection platform. Datum of gage is sea level (levels by Corps of Engineers). Prior to October 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. Lake is used for flood control, generation of power, and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 665.47 ft, Apr. 8, 1964; minimum elevation, 626.70 ft, Oct. 16, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 664.08 ft, Mar. 17, 18; minimum elevation, 657.03 ft, Jan. 5.

## Capacity Table

(Computed from table prepared by Corps of Engineers)

Elevation, in feet (sea level)	Usable contents, in billions of cubic feet
645.0	29.82
650.0	39.42
655.0	50.02
660.0	61.66
665.0	74.43

ELEVATION (FEET SEA LEVEL), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	659.27	659.83	658.28	657.51	662.16	660.16	662.21	660.74	660.98	660.79	659.87	659.28
2	659.23	659.79	658.40	657.43	663.05	660.25	662.15	660.62	661.09	660.65	659.87	659.18
3	659.38	659.83	658.56	657.27	663.29	660.36	662.07	660.54	660.96	660.51	659.91	659.03
4	660.24	659.93	658.30	657.15	662.99	660.34	661.95	660.64	661.01	660.49	659.95	659.26
5	661.26	660.05	658.02	657.05	662.77	660.34	661.85	660.76	661.08	660.35	659.85	659.24
6	661.64	659.98	657.76	657.37	662.78	661.54	662.11	660.93	661.18	660.43	659.87	659.06
7	661.96	660.30	657.56	657.51	662.75	662.44	662.23	660.99	661.30	660.51	659.83	659.07
8	662.10	660.46	657.32	657.45	662.73	662.56	662.15	660.91	661.44	660.51	659.69	659.10
9	662.08	660.40	657.50	657.43	662.73	662.84	662.05	660.93	661.67	660.45	659.57	659.04
10	662.05	660.37	657.56	657.34	663.03	663.06	662.03	660.89	661.68	660.37	659.64	659.00
11	661.71	660.98	657.48	657.19	663.25	663.22	661.91	661.05	661.49	660.29	659.74	658.88
12	661.45	661.36	657.42	657.11	663.31	663.27	661.81	661.11	661.38	660.21	659.91	658.80
13	661.35	661.36	657.38	657.21	663.27	663.30	661.97	661.08	661.23	660.25	660.02	658.69
14	662.01	661.34	657.28	657.29	663.25	663.42	662.08	661.03	661.08	660.31	659.97	658.72
15	662.27	661.39	657.28	657.27	662.99	663.61	662.03	661.03	661.26	660.32	659.90	658.72
16	662.29	661.40	657.34	657.23	662.73	663.91	662.01	660.99	661.36	660.30	659.79	658.86
17	662.17	661.38	657.42	657.21	662.32	664.04	662.05	660.95	661.22	660.23	659.84	658.82
18	661.83	661.64	657.40	657.21	661.97	663.74	662.08	660.98	661.24	660.17	659.90	658.70
19	661.47	661.72	657.46	657.45	661.71	663.62	662.08	660.99	661.16	660.08	659.77	658.68
20	661.11	661.66	657.38	657.80	661.67	663.22	662.18	660.97	661.10	660.14	659.80	658.64
21	661.17	661.24	657.42	657.97	661.40	662.72	662.30	660.87	661.05	660.17	659.64	658.82
22	661.25	660.82	657.50	658.03	661.04	662.20	661.96	660.83	661.16	660.11	659.82	658.86
23	660.94	660.46	657.74	658.13	660.68	662.32	661.66	660.75	661.22	659.99	659.92	658.72
24	660.63	660.13	657.82	658.25	660.84	662.42	661.26	660.73	661.16	659.91	659.98	658.62
25	660.23	660.20	657.78	658.31	660.96	661.94	660.84	661.09	661.06	659.91	660.04	658.50
26	659.89	660.34	657.75	658.61	660.76	661.34	660.50	661.43	660.92	659.85	659.89	658.35
27	659.67	659.96	657.57	660.53	660.64	661.32	660.62	661.63	660.80	659.89	659.70	658.22
28	659.87	659.58	657.37	661.23	660.46	661.48	660.72	661.63	660.74	659.93	659.54	658.50
29	659.97	659.22	657.19	661.63	660.38	661.67	661.00	661.49	660.84	659.85	659.38	658.72
30	659.97	658.74	657.35	661.93	---	661.81	661.02	661.23	660.90	659.77	659.21	658.72
31	659.91	---	657.45	662.01	---	662.05	---	660.91	---	659.87	659.24	---
MAX	662.29	661.72	658.56	662.01	663.31	664.04	662.30	661.63	661.68	660.79	660.04	659.28
MIN	659.23	658.74	657.19	657.05	660.38	660.16	660.50	660.54	660.74	659.77	659.21	658.22
(+)	61.44	58.63	55.59	66.66	62.60	66.76	64.17	63.90	63.87	61.35	59.83	58.58
(*)	+657	-1084	-1135	+4133	-1620	+1553	-999	-101	-11.6	-941	-568	-482
CAL YR 1995	*	-36.0	MAX 662.91	MIN 656.82								
WTR YR 1996	*	-34.9	MAX 664.04	MIN 657.05								

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

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



## SAVANNAH RIVER BASIN

02187251 HARTWELL LAKE TAILRACE NEAR HARTWELL, GA

LOCATION.--Lat 34°21'26'', long 82°49'21'', Hart County (GA)-Anderson County (SC), Hydrologic Unit 03060103, Georgia-South Carolina State line, in right spillway elevator tower of dam on Savannah River, 1.9 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>, approximately.

PERIOD OF RECORD.--October 1987 to current year. Data prior to October 1987 are in the files of the U.S. Geological Survey.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 488.78 ft, Aug. 18, 1994; minimum, 474.58 ft, June 4, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 483.04 ft, Feb. 4; minimum, 475.02 ft, Oct. 3, 10.

## ELEVATION (FEET SEA LEVEL), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	475.03	475.03	475.03	482.68	475.30	477.14	483.00	479.02	481.21	480.63	475.15	475.65
2	482.53	475.03	476.30	482.73	475.42	478.55	479.32	477.16	477.75	482.71	475.16	477.08
3	482.55	475.02	476.32	482.75	475.45	477.89	477.63	477.42	477.55	482.76	475.15	477.46
4	482.52	475.03	476.30	476.00	475.57	475.75	482.94	476.65	479.45	482.76	475.16	477.11
5	482.50	475.03	476.31	475.69	475.33	475.56	482.96	476.60	479.41	482.75	475.17	476.87
6	482.48	475.03	476.30	482.70	475.35	477.87	482.95	476.61	479.32	475.30	475.18	475.21
7	475.03	475.03	475.03	482.72	475.39	477.94	482.98	476.60	479.30	480.73	475.18	476.14
8	475.03	475.03	475.03	482.73	475.45	478.05	483.00	476.69	479.38	482.77	475.18	477.19
9	480.44	475.03	476.68	482.73	475.61	478.09	477.45	477.08	477.29	482.79	475.19	476.85
10	480.42	475.02	476.68	482.73	475.60	478.12	480.96	476.58	477.59	482.79	475.21	476.93
11	482.50	475.03	478.61	476.60	475.83	476.23	482.98	476.43	478.45	482.81	475.28	477.35
12	482.53	475.03	478.65	476.79	476.53	476.70	482.90	476.37	478.37	482.83	475.35	477.16
13	482.67	475.03	478.77	480.64	476.16	478.07	482.98	476.20	478.27	476.02	475.58	475.83
14	475.42	475.22	475.30	480.61	476.23	478.12	482.93	475.89	478.08	475.93	475.84	475.89
15	475.48	475.33	475.40	480.62	476.28	478.18	482.94	475.70	477.88	482.86	475.52	477.08
16	482.68	475.33	477.75	480.65	476.36	478.22	476.20	475.75	476.01	482.87	475.51	477.04
17	482.66	475.29	478.75	480.84	476.52	478.45	475.93	475.47	475.73	482.85	475.48	477.04
18	482.66	475.29	479.16	477.30	476.91	477.18	482.81	475.36	477.00	482.84	475.55	477.06
19	482.70	475.52	479.26	477.30	477.15	477.24	482.82	475.29	476.95	482.84	475.56	477.48
20	482.74	475.67	479.37	480.84	476.56	478.46	482.78	475.22	476.89	476.01	475.71	475.89
21	476.24	476.01	476.13	480.88	477.35	480.08	482.74	475.27	477.50	475.98	475.85	475.93
22	476.18	476.10	476.15	480.55	477.98	480.03	482.76	475.25	477.17	482.82	475.59	476.89
23	482.75	475.54	479.27	480.58	477.97	480.10	475.34	475.16	475.22	482.76	475.63	476.65
24	482.73	475.49	479.19	480.51	478.02	480.09	475.16	475.15	475.15	480.70	475.35	476.64
25	482.77	475.56	479.26	478.08	475.79	476.17	480.67	475.15	476.14	482.82	475.48	477.04
26	482.78	475.63	479.29	476.14	476.07	476.11	480.67	475.15	476.13	482.88	475.71	476.78
27	482.83	475.79	479.42	482.77	476.12	480.81	482.74	475.15	477.36	476.61	475.72	476.30
28	476.68	476.27	476.49	482.78	478.72	480.94	482.73	475.15	477.34	476.75	476.53	476.66
29	476.47	476.21	476.35	482.83	478.77	481.01	482.76	475.15	477.39	482.80	476.41	477.61
30	482.73	475.54	477.58	482.94	478.89	481.09	475.20	475.14	475.15	482.71	476.41	477.44
31	482.69	475.39	477.30	---	---	---	475.16	475.15	475.15	482.69	476.11	478.06
MONTH	482.83	475.02	477.34	482.94	475.30	478.27	483.00	475.14	477.47	482.88	475.15	476.78



## SAVANNAH RIVER BASIN

02187252 SAVANNAH RIVER BELOW HARTWELL LAKE NEAR HARTWELL, GA

LOCATION.--Lat 34°21'15'', long 82°48'55'', Anderson County (SC), Hydrologic Unit 03060103, on left bank at Highway 29, 6.8 mi east of Hartwell, and at mile 304.6.

DRAINAGE AREA.--2,090 mi<sup>2</sup>, approximately.

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

REVISED RECORDS.--WRD SC-91.1: 1990.

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

REMARKS.--Estimated daily discharges, Mar. 27, Apr. 27 - 29, June 12 - 18, June 23 to July 17. Records poor. Flow completely regulated by Hartwell Lake (see sta. 02187250) on the Savannah River. Discharge is affected by backwater when the mean-daily elevation at Richard B. Russell Lake (see sta 02189004) exceeds about 476 ft. Therefore, the daily mean discharges are not shown for Oct. 20 - 31, Nov. 10 to Dec. 17, Jan. 13 to Mar. 3, 6 - 15, 19 - 23.

AVERAGE DISCHARGE.--5 years (water years 1985 - 89), 2,993 ft<sup>3</sup>/s, 19.45 in/yr.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	5450	---	1210	---	---	3520	11100	18	2850	3540	73
2	3960	9870	---	5290	---	---	6400	6670	17	2880	4320	3750
3	3960	8030	---	6630	---	---	5650	5410	6090	2500	77	5890
4	4000	754	---	5380	---	4440	6470	13	2790	589	78	5500
5	3940	461	---	4670	---	4490	6460	13	2370	2250	4920	5160
6	3930	8290	---	14	---	---	22	3260	2400	313	3460	5830
7	45	8460	---	2490	---	---	12	3250	2470	136	4920	2150
8	45	8650	---	6070	---	---	5680	3480	30	1050	4890	74
9	4470	8710	---	4820	---	---	6290	3260	30	1580	4890	3410
10	4500	---	---	4820	---	---	5150	3250	3910	1980	77	3380
11	11400	---	---	6290	---	---	4970	14	9230	1630	77	4710
12	11400	---	---	5100	---	---	5670	15	9200	1530	3720	4030
13	11500	---	---	---	---	---	12	3310	6800	110	3730	3350
14	120	---	---	---	---	---	13	3330	10000	325	2350	77
15	229	---	---	---	---	---	4890	3380	350	2120	3750	595
16	7760	---	---	---	---	118	4270	4810	400	1700	4320	4010
17	10900	---	---	---	---	76	2310	5240	9200	2500	77	4130
18	12300	---	4930	---	---	13700	2500	1350	6850	3230	78	4790
19	12700	---	4870	---	---	---	4850	1340	6850	3200	5370	4870
20	---	---	4800	---	---	---	5370	2810	6760	77	5390	4150
21	---	---	6110	---	---	---	5380	4830	8610	76	5390	115
22	---	---	5410	---	---	---	10900	3210	329	3660	6690	201
23	---	---	15	---	---	---	11000	3230	480	4390	5380	5420
24	---	---	11	---	---	384	11800	3040	2560	3630	77	3820
25	---	---	2430	---	---	17000	13500	144	2530	3620	77	5190
26	---	---	2430	---	---	18400	13500	14	2640	3630	6320	5140
27	---	---	5990	---	---	7200	12	2750	2620	72	6320	4800
28	---	---	6000	---	---	7300	10	6650	2760	72	6360	72
29	---	---	6090	---	---	3380	1750	9350	89	3660	6380	67
30	---	---	12	---	---	44	7200	9640	89	3620	6380	3370
31	---	---	12	---	---	104	---	10200	---	75	72	---
TOTAL	---	---	---	---	---	---	155561	118363	108472	59055	109480	98124
MEAN	---	---	---	---	---	---	5185	3818	3616	1905	3532	3271
MAX	---	---	---	---	---	---	13500	11100	10000	4390	6690	5890
MIN	---	---	---	---	---	---	10	13	17	72	72	67
CFSM	---	---	---	---	---	---	2.48	1.83	1.73	.91	1.69	1.56
IN.	---	---	---	---	---	---	2.77	2.11	1.93	1.05	1.95	1.75

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1996, BY WATER YEAR (WY)

	MEAN	2777	2720	3714	3060	2567	2438	3732	3052	3030	3435	3603	3235
MAX		3950	5219	7267	5075	3782	3155	8188	5805	4092	5647	4281	3898
(WY)		1988	1990	1990	1985	1985	1985	1993	1993	1990	1987	1995	1990
MIN		1904	1865	2073	2132	2101	1910	2113	1955	2069	1776	2209	2217
(WY)		1989	1987	1989	1989	1986	1986	1989	1988	1989	1989	1988	1988

## SUMMARY STATISTICS

## FOR 1996 WATER YEAR

## WATER YEARS 1985 - 1996

LOWEST DAILY MEAN  
INSTANTANEOUS PEAK FLOW  
INSTANTANEOUS PEAK STAGE

\* 10 Apr 28  
Unknown Feb 13  
11.43 Feb 13

\* 10 Apr 28 1996  
Unknown Aug 17 1994  
17.18 Aug 17 1994

\* May have been less during periods of backwater.

SAVANNAH RIVER BASIN  
02187910 ROCKY RIVER NEAR STARR, SC

LOCATION.--Lat 34°22'59'', long 82°34'39'', Anderson County, Hydrologic Unit 03060103, on downstream side of bridge on State Road 244, 0.5 mi upstream of Beaver Creek, 2.5 mi upstream of Secession Lake, and 6.7 mi east of Starr.

DRAINAGE AREA.--111 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1989 to February 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 570 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Jan. 3, 4, 7 - 9, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	135	77	156	265	---	---	---	---	---	---	---
2	50	184	74	156	794	---	---	---	---	---	---	---
3	49	237	79	153	2200	---	---	---	---	---	---	---
4	214	165	88	92	1130	---	---	---	---	---	---	---
5	454	129	94	88	371	---	---	---	---	---	---	---
6	326	130	98	138	202	---	---	---	---	---	---	---
7	192	267	125	223	185	---	---	---	---	---	---	---
8	155	559	129	167	276	---	---	---	---	---	---	---
9	131	380	171	146	160	---	---	---	---	---	---	---
10	65	218	187	233	151	---	---	---	---	---	---	---
11	59	378	127	168	157	---	---	---	---	---	---	---
12	56	728	84	155	194	---	---	---	---	---	---	---
13	62	510	79	127	164	---	---	---	---	---	---	---
14	181	257	77	110	129	---	---	---	---	---	---	---
15	387	206	75	156	221	---	---	---	---	---	---	---
16	244	185	74	106	119	---	---	---	---	---	---	---
17	193	175	73	105	116	---	---	---	---	---	---	---
18	151	169	72	231	118	---	---	---	---	---	---	---
19	141	165	136	369	160	---	---	---	---	---	---	---
20	122	134	151	197	294	---	---	---	---	---	---	---
21	62	83	102	147	211	---	---	---	---	---	---	---
22	57	78	88	258	147	---	---	---	---	---	---	---
23	55	76	83	117	142	---	---	---	---	---	---	---
24	54	92	80	232	143	---	---	---	---	---	---	---
25	54	115	81	129	139	---	---	---	---	---	---	---
26	64	116	84	212	168	---	---	---	---	---	---	---
27	121	139	89	1190	169	---	---	---	---	---	---	---
28	103	165	123	1150	175	---	---	---	---	---	---	---
29	92	157	95	544	108	---	---	---	---	---	---	---
30	89	143	112	211	---	---	---	---	---	---	---	---
31	135	---	89	368	---	---	---	---	---	---	---	---
TOTAL	4169	6475	3096	7834	8808	---	---	---	---	---	---	---
MEAN	134	216	99.9	253	304	---	---	---	---	---	---	---
MAX	454	728	187	1190	2200	---	---	---	---	---	---	---
MIN	49	76	72	88	108	---	---	---	---	---	---	---
CFSM	1.21	1.94	.90	2.28	2.74	---	---	---	---	---	---	---
IN.	1.40	2.17	1.04	2.63	2.95	---	---	---	---	---	---	---

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

	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	122	132	154	240	246	250	155	110
MAX	177	259	363	473	355	474	257	170
(WY)	1990	1993	1993	1993	1990	1993	1993	1993
MIN	47.8	63.0	86.9	120	151	144	97.6	73.4
(WY)	1994	1992	1992	1992	1991	1995	1995	1994

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

WATER YEARS 1989 - 1996

ANNUAL TOTAL	59553	
ANNUAL MEAN	163	148
HIGHEST ANNUAL MEAN		221
LOWEST ANNUAL MEAN		107
HIGHEST DAILY MEAN	3770	Aug 28 1995
LOWEST DAILY MEAN	34	Aug 19 1992
ANNUAL SEVEN-DAY MINIMUM	38	Jul 13 1992
INSTANTANEOUS PEAK FLOW		5100
INSTANTANEOUS PEAK STAGE		16.63
ANNUAL RUNOFF (CFSM)	1.47	1.34
ANNUAL RUNOFF (INCHES)	19.96	18.15
10 PERCENT EXCEEDS	242	258
50 PERCENT EXCEEDS	92	92
90 PERCENT EXCEEDS	53	48



## SAVANNAH RIVER BASIN

02189004 RICHARD B. RUSSELL LAKE NEAR CALHOUN FALLS, SC

LOCATION.--Lat 34°01'30'', long 82°35'42'', Elbert County (GA)-Abbeville County (SC), Hydrologic Unit 03060103, Georgia-South Carolina State line, in left spillway elevator tower of dam on Savannah River, 1.2 mi downstream from Beer Manor Creek, 4.6 mi south of Calhoun Falls, and at River mile 275.1.

DRAINAGE AREA.--2,900 mi<sup>2</sup>, approximately (Corps of Engineers).

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

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

REMARKS.--Lake formed by concrete dam completed Dec. 1983. Usable capacity 5,523,408,000 ft<sup>3</sup> between elevations 470.0 ft (normal limit of drawdown) and 475.0 ft (maximum power pool). Dead storage below 470.0 ft, 39,158,992,800 ft<sup>3</sup>. Figures given herein represent usable contents. Elevation of spillway crest, 436.0 ft. Lake is used for flood control, generation of power and recreation.

COOPERATION.--Capacity table furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 479.43 ft, Aug. 22, 1994; minimum, 465.65 ft, May 7, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 478.62 ft, Mar. 7; minimum, 469.12 ft, Aug. 16.

## Capacity Table

(Computed from table prepared by Corps of Engineers)

Elevation, in feet (sea level)	Usable contents, in billions of cubic feet	Elevation, in feet (sea level)	Usable contents, in billions of cubic feet
469.0	38.1	475.0	44.7
470.0	39.2	476.0	45.9
471.0	40.2	477.0	47.1
472.0	41.3	478.0	48.3
473.0	42.4	479.0	49.5
474.0	43.5	480.0	50.8

ELEVATION (FEET SEA LEVEL), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	472.98	475.53	477.87	474.24	476.86	476.64	475.82	475.17	474.76	473.41	472.02	473.72
2	472.94	475.83	477.86	474.63	478.21	476.25	474.84	474.88	474.41	473.18	471.79	474.28
3	472.84	475.85	477.78	474.97	478.83	475.82	475.00	474.65	474.73	473.02	472.19	474.58
4	473.13	475.78	477.59	475.15	478.85	475.83	475.16	474.44	474.83	472.87	472.59	474.76
5	473.35	475.55	477.57	475.37	478.29	475.90	475.42	474.16	474.52	473.53	472.18	474.88
6	473.40	475.60	477.41	475.22	478.03	477.32	475.24	474.06	474.22	473.54	471.93	474.79
7	473.31	475.89	477.41	475.26	478.02	478.49	474.16	474.07	474.18	473.44	471.54	474.69
8	473.22	476.00	477.54	475.28	478.03	478.17	474.12	474.37	474.31	473.10	471.05	474.54
9	473.21	476.03	477.61	475.46	478.04	477.56	474.25	474.28	474.47	472.94	470.69	474.05
10	473.23	476.07	477.44	475.60	478.10	477.02	474.41	474.20	474.70	473.28	471.04	473.82
11	473.85	476.72	477.28	475.86	478.21	476.82	474.64	474.55	474.61	473.64	471.23	473.63
12	474.53	476.87	477.20	476.12	478.12	476.97	475.08	474.99	474.72	473.55	471.05	473.38
13	475.27	476.98	476.97	476.13	478.17	476.49	474.90	475.15	474.97	473.50	470.84	473.07
14	475.47	477.05	476.69	476.18	478.13	476.33	474.74	474.90	474.84	474.04	470.19	473.45
15	475.55	477.10	476.39	476.17	478.18	476.14	474.35	474.48	474.92	474.08	469.65	473.91
16	475.62	477.16	476.11	476.13	478.16	475.63	473.88	474.15	475.01	474.37	469.26	474.27
17	475.57	477.28	475.79	476.10	478.08	475.62	473.82	473.93	475.30	474.17	469.77	474.45
18	475.72	477.39	475.66	476.08	478.02	476.32	473.82	474.46	475.08	473.90	470.27	474.62
19	476.12	477.37	475.62	476.13	477.96	477.40	474.35	474.62	474.86	473.61	470.31	474.65
20	476.27	477.43	475.53	476.19	477.93	478.01	474.96	474.17	474.66	473.39	470.23	474.68
21	476.27	477.26	475.60	476.24	477.84	478.32	474.97	474.11	474.80	473.28	470.19	475.02
22	476.29	476.96	475.47	476.10	477.75	478.40	474.62	474.10	474.69	472.78	470.70	475.29
23	476.19	476.63	475.08	476.00	477.66	476.95	475.09	474.08	474.70	472.80	470.94	475.18
24	476.13	476.34	474.66	475.97	477.39	475.26	474.97	473.83	474.05	472.58	470.99	474.92
25	476.31	476.39	474.67	476.11	477.34	475.16	475.36	474.11	473.64	472.62	471.67	474.62
26	476.49	476.42	474.61	476.17	477.06	475.48	475.21	474.28	473.47	472.45	472.05	474.30
27	476.65	476.39	474.79	476.85	476.71	475.16	474.65	474.65	473.58	472.89	472.41	473.82
28	476.57	476.61	474.85	476.99	476.41	475.50	474.36	474.96	473.46	473.02	472.85	474.33
29	476.45	477.15	474.90	476.94	476.48	475.56	474.57	475.09	473.49	472.95	473.21	474.16
30	476.01	477.64	474.39	476.80	---	475.70	475.10	475.08	473.50	472.83	473.63	474.27
31	475.68	---	474.08	476.90	---	475.86	---	475.11	---	472.37	473.76	---
MAX	476.65	477.64	477.87	476.99	478.85	478.49	475.82	475.17	475.30	474.37	473.76	475.29
MIN	472.84	475.53	474.08	474.24	476.41	475.16	473.82	473.83	473.46	472.37	469.26	473.07
(+)	45.50	47.85	43.60	46.95	46.45	45.72	44.82	44.83	42.95	41.71	43.24	43.82
(*)	+1113	+907	-1587	+1251	-200	-273	-347	+3.73	-725	-463	+571	+224
CAL YR 1995	* -52.0			MAX 477.87	MIN 472.03							
WTR YR 1996	* 41.1			MAX 478.85	MIN 469.26							

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

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



## SAVANNAH RIVER BASIN

02189005 RICHARD B. RUSSELL LAKE TAILRACE NEAR CALHOUN FALLS, SC

LOCATION.--Lat 34°01'28'', long 82°35'41'', Elbert County (GA)-Abbeville County (SC), Hydrologic Unit 03060103, Georgia-South Carolina State line, in the dam structure, downstream of spillway, on the Savannah River, 1.2 mi downstream from Beer Manor Creek, 4.6 mi south of Calhoun Falls, and at River mile 275.1.

DRAINAGE AREA.--2,900 mi<sup>2</sup>, approximately (Corps of Engineers).

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Data collection platform. Datum of gage is 300.00 ft above sea level (Corps of Engineers benchmark).

REMARKS.--Regulated by hydro-electric generation from Richard B. Russell Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 33.41 ft, Feb. 6, 1996; minimum, 24.01 ft, Dec. 22, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 33.41 ft, Feb. 6; minimum, 24.54 ft, Sept. 23.

## GAGE HEIGHT (FEET SEA LEVEL), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	32.16	31.87	32.01	30.59	29.64	30.08	28.16	27.50	27.76	27.87	27.49	27.68
2	32.42	31.74	32.05	30.24	29.45	29.88	27.87	27.55	27.73	27.72	27.45	27.59
3	32.43	31.85	32.09	30.05	29.17	29.57	27.81	27.52	27.70	27.75	27.33	27.59
4	32.36	31.75	32.04	29.73	29.15	29.40	28.09	27.38	27.75	27.93	27.37	27.68
5	31.98	31.17	31.57	29.62	29.15	29.38	27.78	27.16	27.51	27.87	27.35	27.65
6	31.55	30.89	31.25	29.78	28.82	29.31	27.78	27.20	27.53	27.79	27.45	27.61
7	31.08	30.67	30.89	29.57	28.67	29.14	27.71	27.09	27.37	27.81	27.44	27.63
8	30.88	30.56	30.73	29.21	28.27	28.78	27.48	26.96	27.22	28.00	27.55	27.79
9	31.00	30.35	30.66	28.80	27.96	28.42	27.42	27.03	27.24	28.17	27.68	27.97
10	31.00	30.42	30.70	28.89	27.88	28.39	27.43	26.96	27.16	28.20	27.68	27.99
11	31.02	30.42	30.70	28.83	28.24	28.40	27.36	26.86	27.16	28.25	27.72	28.04
12	31.15	30.38	30.73	28.38	27.91	28.09	27.29	26.71	27.05	28.22	27.82	28.05
13	31.21	30.11	30.66	28.09	27.24	27.78	27.13	26.63	26.92	28.22	27.94	28.09
14	30.79	30.50	30.63	28.29	27.24	27.91	27.10	26.56	26.84	28.13	27.93	28.04
15	30.71	30.54	30.60	28.68	27.82	28.28	27.00	26.45	26.77	28.18	27.73	27.99
16	30.68	30.18	30.48	29.12	28.22	28.70	26.97	26.55	26.79	28.29	27.77	28.08
17	30.78	30.29	30.52	29.59	28.68	29.17	27.01	26.51	26.78	28.36	27.89	28.18
18	30.84	30.15	30.43	---	---	---	27.02	26.34	26.77	28.41	27.85	28.21
19	31.27	30.17	30.64	---	---	---	27.35	26.64	27.02	28.44	27.92	28.16
20	31.12	30.41	30.87	---	---	---	27.54	26.86	27.30	28.50	28.23	28.36
21	---	---	---	---	---	---	27.69	27.04	27.46	28.38	28.22	28.30
22	---	---	---	---	---	---	27.87	27.28	27.60	28.51	27.95	28.28
23	---	---	---	---	---	---	27.89	27.38	27.70	28.49	28.14	28.34
24	31.17	30.29	30.60	---	---	---	28.00	27.43	27.73	28.71	28.03	28.43
25	31.05	30.26	30.62	---	---	---	27.96	27.54	27.73	28.76	28.17	28.41
26	31.11	30.25	30.59	---	---	---	27.82	27.43	27.65	28.78	28.19	28.45
27	30.90	30.18	30.50	---	---	---	27.83	27.30	27.58	29.00	28.49	28.80
28	30.60	30.21	30.40	---	---	---	27.77	27.23	27.54	29.13	28.80	28.98
29	30.60	30.18	30.39	28.34	27.34	27.96	27.79	27.27	27.56	29.34	28.78	29.06
30	30.50	29.91	30.33	28.19	27.44	27.85	27.75	27.27	27.57	29.34	28.74	29.07
31	30.49	29.81	30.20	---	---	---	27.94	27.38	27.64	29.45	28.92	29.18
MONTH	32.43	29.81	30.85	30.59	27.24	28.76	28.16	26.34	27.36	29.45	27.33	28.18

## SAVANNAH RIVER BASIN

02189005 RICHARD B. RUSSELL LAKE TAILRACE NEAR CALHOUN FALLS, SC--Continued

GAGE HEIGHT (FEET SEA LEVEL), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	29.47	28.92	29.24	28.49	27.70	27.98	28.48	27.29	27.81	29.63	28.84	29.19
2	29.84	28.94	29.37	28.08	27.80	27.96	28.73	27.70	28.32	29.99	29.06	29.53
3	31.56	29.84	30.69	28.20	27.79	28.01	29.11	27.58	28.23	30.12	29.39	29.73
4	32.70	30.95	32.18	28.26	27.88	28.08	28.74	27.47	28.14	30.22	29.56	29.86
5	33.32	32.51	32.93	28.31	27.86	28.06	28.64	27.17	27.99	30.03	29.61	29.85
6	33.41	32.69	32.99	28.42	27.89	28.19	28.18	27.35	27.86	30.10	29.28	29.74
7	33.05	32.24	32.70	30.46	28.32	29.33	28.70	27.71	28.08	30.06	29.54	29.75
8	32.72	31.98	32.36	32.01	30.28	31.05	28.53	27.79	28.23	30.04	29.66	29.83
9	32.41	31.56	31.96	32.65	31.53	32.23	28.35	27.66	28.07	30.43	29.73	29.98
10	31.99	31.12	31.49	32.92	31.99	32.41	28.27	27.31	27.94	30.45	29.80	30.10
11	31.14	30.20	30.73	32.73	31.82	32.12	28.13	27.03	27.72	30.41	29.58	30.07
12	30.37	29.62	29.97	31.98	31.35	31.72	27.84	26.95	27.45	30.08	29.43	29.84
13	29.91	29.07	29.49	31.66	30.97	31.28	27.71	26.75	27.29	30.01	29.38	29.71
14	29.36	28.41	28.90	31.19	30.35	30.72	27.85	26.85	27.19	30.30	29.50	29.78
15	28.82	27.99	28.43	30.66	29.92	30.20	28.14	26.90	27.44	30.54	29.73	29.99
16	28.41	27.60	28.11	30.21	29.75	29.99	28.31	26.89	27.54	30.62	29.78	30.18
17	28.17	27.75	27.92	29.86	29.26	29.56	28.29	27.14	27.65	30.82	29.84	30.38
18	28.10	27.74	27.90	29.55	28.78	29.09	27.94	26.86	27.46	30.63	30.20	30.37
19	28.17	27.76	27.95	29.01	28.58	28.79	27.92	26.82	27.28	30.32	29.65	30.20
20	28.19	27.77	28.00	28.98	28.52	28.75	27.53	26.81	27.17	30.56	29.71	30.12
21	28.23	27.83	28.02	28.96	28.25	28.57	27.51	26.95	27.23	30.56	29.57	30.25
22	28.22	27.78	28.03	28.80	27.99	28.46	28.12	27.33	27.73	30.57	29.53	30.24
23	28.28	27.83	28.05	28.71	28.07	28.39	28.32	27.54	27.95	30.51	29.62	30.22
24	28.30	27.88	28.07	28.61	27.72	28.30	28.68	27.82	28.25	30.60	29.77	30.20
25	28.17	27.86	28.05	28.50	27.85	28.20	28.82	28.06	28.49	30.55	29.98	30.25
26	28.16	27.67	27.94	28.46	27.70	27.98	29.23	28.49	28.89	30.58	30.04	30.27
27	28.21	27.74	27.98	28.28	27.76	28.00	29.44	28.88	29.24	30.76	30.15	30.40
28	28.31	27.84	28.06	28.34	27.30	27.91	29.58	28.99	29.24	31.10	30.18	30.64
29	28.41	27.59	28.13	28.12	27.39	27.77	29.62	28.88	29.22	31.12	30.40	30.73
30	---	---	---	27.72	27.58	27.64	29.62	28.89	29.30	31.46	30.51	30.86
31	---	---	---	27.72	27.62	27.67	---	---	---	31.44	30.58	30.97
MONTH	33.41	27.59	29.50	32.92	27.30	29.17	29.62	26.75	28.01	31.46	28.84	30.10
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	31.35	30.59	31.03	29.86	28.93	29.26	28.59	27.73	28.02	27.66	26.99	27.54
2	31.31	30.59	31.05	29.86	29.03	29.31	28.70	27.74	28.16	27.76	27.00	27.30
3	31.46	30.70	31.09	29.80	28.89	29.31	28.45	27.51	28.06	27.85	26.86	27.16
4	31.31	30.55	30.96	29.62	29.01	29.29	28.15	27.42	27.81	27.69	26.60	27.04
5	31.20	30.19	30.66	29.56	28.82	29.20	28.39	27.55	27.83	27.60	26.33	26.92
6	31.26	30.31	30.65	29.37	28.73	29.06	28.43	27.53	27.89	27.65	26.43	26.93
7	31.19	30.33	30.62	29.28	28.70	28.95	28.54	27.68	28.00	27.18	26.52	26.81
8	30.93	30.39	30.68	29.46	28.65	28.95	28.81	27.65	28.15	26.94	26.36	26.79
9	30.73	30.17	30.64	29.41	28.68	28.96	29.02	27.86	28.35	27.26	26.13	26.59
10	30.84	30.19	30.51	29.22	28.55	28.92	28.67	28.20	28.32	27.37	26.12	26.55
11	31.12	30.25	30.65	29.09	28.45	28.77	28.36	27.86	28.24	27.15	26.17	26.59
12	31.13	30.43	30.74	29.17	28.20	28.62	28.90	27.98	28.28	26.80	26.18	26.52
13	31.19	30.41	30.77	28.89	28.18	28.58	29.04	28.09	28.39	27.11	26.17	26.59
14	31.34	30.36	30.83	28.76	27.84	28.44	29.19	28.21	28.59	26.81	25.80	26.30
15	31.08	30.43	30.78	---	---	---	29.43	28.44	28.81	26.45	25.57	26.03
16	30.79	30.43	30.58	---	---	---	29.67	28.67	28.96	26.68	25.37	25.93
17	30.51	30.15	30.39	---	---	---	29.26	28.38	28.92	26.41	25.45	25.81
18	30.65	29.69	30.25	---	---	---	29.01	28.11	28.64	26.58	25.34	25.78
19	30.52	29.68	30.20	---	---	---	29.17	28.04	28.44	26.48	25.33	25.74
20	30.84	29.61	30.21	---	---	---	29.11	28.11	28.41	26.43	25.28	25.68
21	30.54	29.51	30.06	---	---	---	28.94	27.96	28.40	25.86	25.07	25.46
22	30.28	29.75	29.97	---	---	---	28.73	27.87	28.27	25.80	24.75	25.26
23	29.93	29.67	29.84	---	---	---	28.51	27.71	28.13	25.90	24.54	25.20
24	30.23	29.38	29.76	---	---	---	28.44	27.58	28.06	25.89	24.70	25.22
25	30.17	29.45	29.80	---	---	---	28.24	27.31	27.85	26.13	24.83	25.31
26	30.31	29.51	29.85	---	---	---	28.10	27.12	27.62	26.25	24.82	25.44
27	30.17	29.37	29.71	28.71	28.24	28.38	28.40	27.31	27.63	26.16	25.07	25.55
28	30.25	29.36	29.67	28.37	27.66	28.26	27.85	27.23	27.52	25.78	25.19	25.37
29	29.89	29.13	29.53	28.66	27.64	28.07	28.45	27.12	27.58	25.49	24.70	25.24
30	29.70	28.99	29.33	28.58	27.63	28.05	28.13	27.02	27.46	25.91	24.78	25.24
31	---	---	---	28.59	27.63	28.01	27.79	27.04	27.46	---	---	---
MONTH	31.46	28.99	30.36	29.86	27.63	28.76	29.67	27.02	28.14	27.85	24.54	26.13
YEAR	33.41	24.54	28.76									

## SAVANNAH RIVER BASIN

## 02192500 LITTLE RIVER NEAR MOUNT CARMEL, SC

LOCATION.--Lat 34°04'17'', long 82°30'03'', Abbeville County, Hydrologic Unit 03060103, on downstream side of bridge, on State Road 40 (Island Ford Road), 2.9 mi upstream from Calhoun Creek, and 4.6 mi north of Mount Carmel.

DRAINAGE AREA.--217 mi<sup>2</sup>.

PERIOD OF DAILY RECORD.--December 1939 to September 1970, October 1970 to September 1986 (crest-stage partial record), October 1986 to current year.

REVISED RECORD.--WSP 1433:1948.

GAGE.--Data collection platform. Datum of gage is 355.03 ft above sea level. December 1939 to October 16, 1987, at site 850 ft downstream at datum 1.06 ft lower.

REMARKS.--Records good except for estimated daily discharges, Oct. 4, 5, 13, 14, July 9 - 12, Aug. 13, Sept. 18, 19, 30, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	59	242	167	592	175	524	534	168	74	65	75
2	89	437	229	266	1940	169	386	306	153	70	71	72
3	89	717	213	993	5480	162	302	255	144	71	78	75
4	1000	322	200	371	3300	154	269	227	141	66	67	75
5	1020	169	193	235	791	151	245	213	145	64	66	84
6	717	115	182	191	595	2100	236	208	135	64	85	78
7	346	577	314	465	510	5840	257	279	134	69	73	69
8	235	917	296	565	452	3610	229	222	149	75	104	62
9	168	406	401	332	406	1010	216	202	175	84	76	59
10	125	227	390	270	360	677	204	188	174	71	89	60
11	100	1760	275	229	327	577	195	178	139	64	78	73
12	87	3600	229	270	290	504	192	176	130	58	82	91
13	80	1760	206	244	261	442	191	173	171	56	144	68
14	600	742	190	204	244	402	227	161	143	74	284	59
15	259	646	177	180	233	414	211	159	125	77	136	55
16	174	562	174	160	217	492	199	171	118	109	87	91
17	91	512	154	144	209	419	189	166	116	75	74	580
18	68	471	143	146	196	380	180	157	110	66	69	200
19	62	444	536	331	190	1110	202	150	105	59	64	108
20	61	417	562	371	269	965	426	143	105	53	60	83
21	60	393	310	217	352	517	410	137	110	61	58	78
22	59	369	236	178	251	406	336	130	104	106	55	92
23	59	345	198	159	224	347	264	125	96	66	56	94
24	59	348	180	175	208	304	244	120	90	58	67	75
25	59	415	159	222	189	290	221	232	86	105	60	69
26	59	362	146	168	180	306	216	383	83	162	77	65
27	58	322	135	1640	178	277	280	736	79	111	269	63
28	175	293	126	1880	187	509	229	521	77	93	309	67
29	103	275	113	673	193	490	215	361	78	78	168	81
30	59	263	107	421	---	356	761	227	75	70	108	354
31	58	---	113	784	---	349	---	189	---	66	84	---
TOTAL	6269	18245	7129	12651	18824	23904	8256	7429	3658	2375	3163	3155
MEAN	202	608	230	408	649	771	275	240	122	76.6	102	105
MAX	1020	3600	562	1880	5480	5840	761	736	175	162	309	580
MIN	58	59	107	144	178	151	180	120	75	53	55	55
CFSM	.93	2.80	1.06	1.88	2.99	3.55	1.27	1.10	.56	.35	.47	.48
IN.	1.07	3.13	1.22	2.17	3.23	4.10	1.42	1.27	.63	.41	.54	.54

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

	MEAN	102	166	199	312	375	457	287	179	124	142	135	88.4
MAX	556	804	529	767	815	1235	899	471	413	736	1027	384	
(WY)	1990	1949	1965	1943	1990	1952	1964	1949	1965	1941	1940	1959	
MIN	4.49	27.3	40.3	55.8	85.1	79.8	112	62.8	27.7	8.40	2.22	5.71	
(WY)	1955	1955	1956	1956	1989	1988	1988	1941	1988	1988	1988	1954	

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1940 - 1996
ANNUAL TOTAL	113381	115058	
ANNUAL MEAN	311	314	213
HIGHEST ANNUAL MEAN			456
LOWEST ANNUAL MEAN			51.7
HIGHEST DAILY MEAN	12800	5840	15200
LOWEST DAILY MEAN	21	53	1.0
ANNUAL SEVEN-DAY MINIMUM	25	59	1.1
INSTANTANEOUS PEAK FLOW		6990	* 20800
INSTANTANEOUS PEAK STAGE		20.00	29.60
INSTANTANEOUS LOW FLOW		48	.70
ANNUAL RUNOFF (CFSM)	1.43	1.45	.98
ANNUAL RUNOFF (INCHES)	19.44	19.72	13.32
10 PERCENT EXCEEDS	513	562	372
50 PERCENT EXCEEDS	138	180	107
90 PERCENT EXCEEDS	46	66	38

\* From rating curve extended above 13,000 ft<sup>3</sup>/s.

## SAVANNAH RIVER BASIN

02194500 THURMOND 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.--Data collection platform. Datum of gage is sea level (levels by Corps of Engineers). Prior to Oct. 1, 1952, nonrecording gage at same site and datum. Prior to Dec. 1987, published as Clark Hill Lake near Clarks Hill, SC.

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. Lake is used for flood control, generation of power, and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 336.72 ft, Apr. 9, 1964; minimum elevation, 296.48 ft, Feb. 1, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 332.78 ft, Mar. 10; minimum elevation, 325.16 ft, Sept. 23.

## Capacity Table

(Computed from table prepared by Corps of Engineers)

Elevation, in feet (sea level)	Usable contents, in billions of cubic feet
315.0	18.73
320.0	30.06
325.0	43.12
330.0	58.37
336.0	78.84

ELEVATION (FEET SEA LEVEL), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	328.96	329.87	327.80	327.64	329.98	328.32	328.22	330.75	331.34	329.64	328.49	327.21
2	328.91	329.95	327.76	327.63	329.91	328.35	328.64	330.90	331.37	329.69	328.50	327.02
3	328.81	330.30	327.71	327.71	331.07	328.38	328.55	331.10	331.28	329.73	328.26	326.93
4	328.88	330.55	327.62	327.69	332.81	328.33	328.45	331.13	331.14	329.65	328.07	326.82
5	329.16	330.60	327.51	327.64	333.67	328.31	328.34	331.10	331.16	329.51	328.18	326.73
6	329.59	330.64	327.42	327.62	333.75	328.71	328.39	330.89	331.15	329.39	328.24	326.68
7	330.04	330.73	327.42	327.90	333.45	330.52	328.70	331.01	331.07	329.28	328.35	326.62
8	330.25	331.20	327.38	327.96	333.00	332.04	328.64	331.04	330.98	329.36	328.52	326.61
9	330.28	331.52	327.27	328.04	332.55	332.62	328.48	331.14	330.92	329.39	328.74	326.37
10	330.32	331.58	327.32	328.06	331.95	332.53	328.24	331.20	330.85	329.22	328.49	326.41
11	330.32	331.46	327.20	328.14	331.20	332.12	327.99	331.07	330.97	329.09	328.56	326.48
12	330.31	331.88	327.04	328.12	330.55	331.68	327.71	330.84	331.09	329.00	328.68	326.52
13	330.27	332.15	326.98	328.04	329.54	331.15	327.72	330.79	331.04	328.92	328.82	326.52
14	330.28	332.17	326.90	327.96	328.92	330.59	327.72	330.89	331.11	328.63	329.02	326.23
15	330.31	331.75	326.84	328.06	328.62	330.18	327.98	331.07	330.90	328.63	329.23	325.93
16	330.38	331.30	326.84	328.16	328.36	329.94	328.16	331.26	330.73	328.51	329.38	325.89
17	330.51	330.83	326.82	328.26	328.33	329.49	328.09	331.37	330.52	328.59	329.12	325.86
18	330.67	330.27	326.94	328.33	328.30	329.18	328.04	331.09	330.49	328.73	328.86	325.82
19	330.52	329.65	327.28	328.54	328.28	329.13	328.03	330.95	330.51	328.71	328.77	325.77
20	330.24	329.08	327.51	328.48	328.36	329.04	327.96	331.02	330.46	328.66	328.76	325.71
21	330.16	328.84	327.63	328.43	328.38	328.78	328.20	331.09	330.30	328.59	328.72	325.61
22	329.70	328.84	327.77	328.52	328.40	328.64	328.69	331.04	330.16	328.76	328.56	325.38
23	329.31	328.83	327.84	328.52	328.40	328.48	328.94	330.96	329.98	328.76	328.47	325.39
24	329.40	328.94	327.88	328.72	328.36	328.33	329.31	330.91	330.13	328.79	328.41	325.39
25	329.26	328.87	327.78	328.62	328.28	328.27	329.51	330.93	330.17	328.80	328.09	325.46
26	329.26	328.34	327.65	328.58	328.28	328.14	330.11	331.05	330.12	328.87	327.99	325.53
27	329.25	327.98	327.62	329.02	328.33	328.27	330.28	331.11	330.02	328.57	327.87	325.69
28	329.64	328.02	327.63	329.46	328.51	328.22	330.32	331.18	329.99	328.50	327.78	325.48
29	329.59	327.88	327.63	330.04	328.43	328.07	330.50	331.27	329.80	328.44	327.66	325.50
30	329.58	327.73	327.72	330.04	---	328.07	330.72	331.36	329.64	328.40	327.52	326.11
31	329.73	---	327.76	329.98	---	328.13	---	331.35	---	328.35	327.28	---
MAX	330.67	332.17	327.88	330.04	333.75	332.62	330.72	331.37	331.37	329.73	329.38	327.21
MIN	328.81	327.73	326.82	327.62	328.28	328.07	327.71	330.75	329.64	328.35	327.28	325.38
(+)	57.55	51.45	51.54	58.31	53.58	52.67	60.82	62.96	57.27	53.34	50.08	46.51
(*)	+799	-2353	+33.6	+2528	-1888	-340	+3144	+799	-2195	-1467	-1217	-1377
CAL YR 1995	* +176		MAX 333.74	MIN 325.75								
WTR YR 1996	* -281		MAX 333.75	MIN 325.38								

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

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



## SAVANNAH RIVER BASIN

02194501 THURMOND LAKE TAILRACE NEAR CLARKS HILL, SC

LOCATION.--Lat 33°39'40'', long 82°11'48'', Columbia County (GA)-McCormick County (SC), Hydrologic Unit 03060103, Georgia-South Carolina State Line, in powerhouse visitors lobby in the observers room at the J. Strom Thurmond Dam on the 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 1987 to current year. Data prior to October 1987 are in the files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 186.17 ft above sea level (levels by Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 15.45 ft, Feb. 27, 1990; minimum elevation, 2.10 ft, June 4, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 14.50 ft, Feb. 15; minimum elevation, 2.30 ft, Oct. 8.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	11.10	2.71	5.55	10.34	5.89	7.34	12.78	9.00	10.50	10.46	4.00	6.66
2	12.38	4.44	7.84	10.58	6.27	7.57	9.03	5.43	7.08	10.97	4.79	7.44
3	11.61	5.23	7.71	8.53	5.30	7.06	7.66	4.20	5.83	11.77	4.88	7.69
4	12.29	4.55	7.80	8.13	5.19	6.85	12.92	3.85	9.58	11.77	4.77	7.58
5	11.41	4.98	7.56	---	---	---	13.12	7.17	10.90	11.71	4.54	7.46
6	9.71	3.82	6.06	---	---	---	13.11	7.17	10.90	11.14	3.97	6.03
7	7.60	2.99	4.91	10.76	5.50	7.62	13.14	7.35	10.98	8.52	3.12	5.14
8	10.68	2.30	4.97	11.20	6.19	8.25	13.16	7.30	10.97	11.66	4.35	7.86
9	11.07	4.28	6.94	12.29	6.34	9.73	10.44	5.92	7.88	11.85	4.50	7.02
10	11.25	5.33	7.63	12.48	6.48	9.93	8.07	5.19	6.64	11.50	3.46	6.46
11	11.29	5.38	7.57	12.60	6.31	9.98	12.63	5.28	9.54	11.56	3.58	6.51
12	11.39	4.79	7.51	12.72	6.60	10.20	12.66	6.70	10.10	11.70	4.50	6.83
13	11.18	4.29	6.62	13.08	6.67	11.12	12.64	6.73	10.09	10.75	4.53	6.70
14	7.94	3.66	5.42	13.41	8.23	12.04	12.54	6.73	10.14	10.64	4.11	5.83
15	11.84	3.91	6.41	13.47	12.45	13.07	12.66	6.78	10.12	10.50	3.11	5.45
16	11.85	5.63	8.26	13.46	12.20	13.15	10.57	5.70	7.68	10.91	3.52	5.89
17	12.33	5.57	8.41	13.53	12.11	13.13	10.87	4.35	6.49	9.72	3.20	5.31
18	13.20	7.30	11.04	13.55	11.34	13.17	11.80	5.13	7.65	9.91	3.67	5.93
19	13.23	7.78	11.06	13.56	10.63	12.97	11.93	5.45	7.89	11.52	4.58	7.01
20	11.96	5.88	9.21	13.63	10.60	13.02	12.16	5.99	8.08	11.03	5.42	7.31
21	12.10	6.99	10.18	13.39	7.71	11.70	11.31	5.67	8.05	10.92	4.63	6.26
22	12.29	7.11	10.01	13.32	7.05	11.53	11.20	5.48	7.50	11.51	3.72	6.45
23	13.14	7.01	11.14	13.33	7.39	11.67	11.12	5.00	7.08	12.24	4.18	6.88
24	13.19	6.29	8.89	13.35	7.40	11.67	11.01	4.78	6.67	10.58	4.59	6.18
25	11.55	5.61	8.83	13.05	9.40	11.49	10.83	4.42	7.32	11.74	4.34	7.19
26	11.71	5.44	7.59	13.09	9.27	11.51	11.86	5.56	7.93	11.55	4.27	6.57
27	11.12	4.25	6.68	13.26	9.27	11.62	11.94	5.65	7.99	10.88	3.41	6.25
28	7.94	3.20	5.34	13.03	9.30	11.12	11.98	5.65	7.97	11.51	5.57	7.57
29	9.80	2.55	5.04	13.14	9.01	11.21	11.89	5.60	7.95	13.85	4.62	10.03
30	10.49	5.80	7.31	13.21	9.17	11.33	11.59	5.24	7.28	13.78	7.54	11.43
31	10.39	5.90	7.41	---	---	---	11.24	4.29	6.43	13.78	7.50	11.40
MONTH	13.23	2.30	7.64	13.63	5.19	10.75	13.16	3.85	8.43	13.85	3.11	7.04



## SAVANNAH RIVER BASIN

02194501 THURMOND LAKE TAILRACE NEAR CLARKS HILL, SC--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	14.05	7.38	11.88	12.16	6.16	9.57	10.65	3.63	6.39	12.67	6.89	11.08
2	13.89	7.42	11.44	10.89	5.08	7.20	11.32	5.64	9.23	10.75	4.61	7.04
3	11.80	6.00	7.39	10.65	3.11	6.20	11.29	5.09	8.72	7.42	3.51	5.55
4	14.09	6.03	11.51	11.81	4.92	7.50	11.24	4.92	8.65	11.02	3.05	6.37
5	14.15	14.05	14.09	11.43	4.82	7.16	11.20	4.83	8.68	11.18	3.78	6.80
6	14.12	14.04	14.08	11.23	3.99	6.70	9.80	3.72	6.14	12.51	5.48	10.34
7	14.19	14.04	14.11	13.19	4.38	8.60	9.62	3.42	5.59	9.75	3.35	6.17
8	14.19	14.09	14.14	12.72	6.86	8.77	11.12	4.12	8.79	9.71	2.85	5.34
9	14.23	14.11	14.16	12.98	6.72	11.36	11.87	5.71	9.16	9.58	2.81	5.55
10	14.29	14.16	14.21	13.00	12.94	12.96	12.03	5.01	9.29	9.91	3.83	5.90
11	14.34	14.24	14.29	13.90	12.91	13.21	12.11	5.13	9.32	7.90	4.51	6.06
12	14.35	14.24	14.31	13.99	9.42	12.82	12.12	5.11	9.30	7.43	4.09	5.56
13	14.41	14.30	14.36	13.87	13.54	13.77	---	---	---	10.88	3.46	5.78
14	14.47	14.37	14.42	13.90	13.82	13.86	9.27	2.80	5.54	10.81	2.97	5.75
15	14.50	9.74	13.35	13.92	12.17	13.41	11.55	3.78	6.85	10.78	2.72	5.32
16	14.48	8.63	12.93	12.17	11.86	11.96	11.23	3.69	6.68	10.94	3.71	5.94
17	12.83	7.98	11.54	11.97	9.71	11.78	11.27	3.89	6.67	11.92	4.23	7.28
18	12.75	6.80	11.11	12.04	11.91	11.98	11.19	3.19	6.26	10.95	4.49	7.12
19	12.64	6.89	10.78	12.04	11.95	12.00	11.22	3.69	6.57	10.90	3.86	6.73
20	12.69	6.87	11.08	13.65	11.97	12.95	11.35	4.36	6.48	11.72	3.82	6.94
21	12.72	7.01	11.13	13.73	13.63	13.68	11.43	4.79	6.78	11.02	3.22	6.14
22	12.69	6.92	11.05	13.70	13.63	13.67	11.23	4.73	6.81	11.53	2.64	6.30
23	12.62	6.89	11.05	13.71	13.64	13.68	11.12	4.45	6.69	11.68	4.77	7.34
24	10.16	5.03	7.36	13.74	13.63	13.67	10.96	3.56	6.03	11.79	4.50	7.50
25	7.75	3.26	5.95	---	---	---	10.90	3.12	5.49	10.06	4.93	6.81
26	12.13	4.82	9.22	---	---	---	10.96	3.55	5.81	9.58	4.29	6.10
27	12.19	5.94	9.63	12.22	6.53	10.55	11.06	3.55	5.75	10.89	4.34	6.50
28	12.21	5.88	9.66	12.04	5.94	10.28	11.13	3.94	6.03	12.47	4.65	8.21
29	12.28	6.08	9.70	11.98	6.31	10.18	11.43	4.81	6.94	12.37	5.24	8.79
30	---	---	---	9.97	4.80	6.59	12.44	5.84	8.42	12.04	4.26	7.67
31	---	---	---	9.52	3.67	5.62	---	---	---	12.20	3.66	7.87
MONTH	14.50	3.26	11.72	13.99	3.11	10.75	12.44	2.80	7.21	12.67	2.64	6.83
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	11.02	4.00	6.52	11.65	3.63	6.43	10.06	4.27	6.19	7.71	3.80	5.44
2	10.43	3.29	5.70	11.58	3.25	6.32	11.63	3.82	6.48	10.52	3.77	6.01
3	11.86	3.57	6.81	11.24	3.72	6.05	7.96	4.46	6.14	10.13	3.96	5.91
4	11.89	4.61	7.58	11.17	4.08	6.06	7.96	4.21	5.76	11.07	3.66	6.95
5	11.64	4.17	7.08	10.44	4.33	6.03	11.92	4.17	6.64	11.17	4.67	7.57
6	11.60	3.93	6.85	7.62	4.44	5.86	11.82	4.81	6.91	11.11	4.37	7.47
7	11.78	4.49	7.12	7.82	3.95	5.73	12.11	4.76	7.37	7.50	3.89	5.87
8	7.61	4.33	6.04	10.14	4.27	6.10	11.76	4.89	7.05	7.42	3.41	5.16
9	7.35	3.50	5.04	10.19	4.19	6.07	11.60	4.42	6.68	11.73	5.08	10.04
10	11.06	3.84	5.99	10.38	4.67	6.42	7.72	4.00	5.85	10.86	4.76	7.21
11	11.48	3.47	6.77	10.15	4.08	5.79	7.39	3.47	5.15	10.68	3.15	6.13
12	11.55	3.96	7.17	10.37	2.78	5.87	9.26	3.92	5.75	10.14	4.16	5.97
13	11.91	4.02	7.80	7.75	3.95	5.77	9.18	4.37	6.02	10.82	3.67	6.57
14	12.23	4.97	8.87	7.89	4.18	5.92	9.08	4.13	5.90	7.93	4.35	6.15
15	10.83	3.90	7.04	11.52	3.99	6.21	9.07	4.10	5.85	8.68	3.44	5.22
16	10.61	3.26	6.07	11.75	4.53	6.55	8.97	3.83	5.62	10.45	3.09	5.80
17	12.23	3.48	7.69	11.75	4.61	6.64	7.40	3.23	5.18	10.66	3.91	6.35
18	12.26	4.02	8.25	9.01	4.72	5.80	7.27	3.27	5.04	10.69	3.88	6.36
19	12.26	4.01	8.23	---	---	---	10.91	3.34	6.72	10.65	3.98	6.47
20	12.66	4.54	9.09	7.83	4.63	6.30	10.87	4.27	7.13	10.68	4.01	6.45
21	12.64	4.58	9.13	7.47	3.25	5.06	10.77	4.12	6.95	7.99	4.49	6.15
22	11.14	3.87	6.98	10.11	3.24	5.49	10.79	4.11	6.87	7.43	3.66	5.36
23	10.99	2.88	6.17	10.32	3.74	5.78	10.77	3.98	6.82	10.61	4.03	6.23
24	12.35	3.54	7.30	11.61	3.68	6.39	7.71	4.00	5.83	11.01	4.92	7.01
25	12.32	4.15	7.76	10.54	4.51	6.39	7.52	3.54	5.18	10.82	4.72	6.86
26	12.18	4.11	7.28	10.41	4.06	6.03	9.85	4.54	6.62	10.86	4.99	7.00
27	12.20	4.13	7.21	7.75	4.00	5.77	9.82	5.25	6.96	10.83	5.01	6.97
28	12.22	4.10	7.21	7.66	3.92	5.49	9.64	4.81	6.63	7.76	4.21	5.96
29	8.14	4.84	6.66	11.72	4.41	6.92	9.68	4.45	6.45	7.50	3.48	5.20
30	7.94	4.19	6.14	11.60	3.81	6.83	9.68	4.65	6.47	10.39	2.93	5.28
31	---	---	---	11.84	4.19	6.99	7.62	3.92	5.68	---	---	---
MONTH	12.66	2.88	7.12	11.84	2.78	6.10	12.11	3.23	6.25	11.73	2.93	6.37
YEAR	14.50	2.30	7.98									

SAVANNAH RIVER BASIN  
02196000 STEVENS CREEK NEAR MODOC, SC

LOCATION.--Lat 33°43'45'', long 82°10'55'', Edgefield County, Hydrologic Unit 03060107, on left bank, 15 ft upstream of bridge on State Highway 23, 1.4 mi east of Modoc, and 3.2 mi downstream from Turkey Creek.

DRAINAGE AREA.--545 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1929 to September 1931, February 1940 to September 1978, November 1983 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1032: Drainage area. WSP 1533: 1954(M).

GAGE.--Data collection platform. Datum of gage is 197.34 ft above sea level (levels by Southeastern Power Administration). October 15, 1929 to September 30, 1931, nonrecording gage at site 1,100 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, Nov. 5 - 8, Nov. 27 to Dec. 4, Mar. 25, 26, and those below 200 ft<sup>3</sup>/s, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	196	145	278	2180	442	920	3390	127	42	70	34
2	56	338	135	390	2870	317	885	806	105	39	51	29
3	52	1260	125	607	11100	273	500	483	91	36	39	29
4	133	664	120	588	5850	234	377	372	86	33	40	29
5	1200	320	122	335	1190	222	323	315	79	32	49	174
6	639	240	120	260	761	885	306	275	76	36	193	96
7	302	750	257	431	642	7690	431	452	75	36	259	65
8	185	1950	592	1100	572	9960	369	563	83	32	143	46
9	138	838	459	533	508	2120	299	424	327	33	123	34
10	110	387	832	384	447	774	263	303	225	33	108	25
11	88	980	413	322	395	567	235	241	146	31	121	23
12	76	3400	273	340	358	469	217	219	117	28	195	64
13	72	1330	223	436	320	395	206	195	113	25	331	41
14	80	581	197	341	299	342	249	176	106	24	529	32
15	442	401	180	281	292	312	312	165	107	30	294	27
16	282	314	170	249	279	886	276	163	95	38	197	28
17	192	274	164	229	269	1040	248	163	81	47	139	39
18	169	236	161	220	261	906	215	163	73	53	104	130
19	145	211	1540	1360	249	1020	207	142	69	52	82	88
20	123	188	2090	1190	320	1360	278	125	83	41	72	52
21	106	170	670	506	781	640	337	116	94	39	63	39
22	92	149	399	371	471	438	300	107	77	33	53	49
23	80	136	314	317	351	356	244	101	75	29	46	82
24	70	127	268	303	305	307	223	95	68	26	78	73
25	57	218	234	468	271	290	219	92	59	23	400	50
26	51	353	211	382	242	280	251	121	53	22	197	38
27	49	200	199	4390	228	284	760	197	49	22	111	31
28	193	180	187	4150	319	1350	375	791	47	54	80	30
29	412	160	173	1190	800	1610	389	547	43	70	60	45
30	220	155	162	629	---	770	5360	250	42	57	48	292
31	175	---	166	2590	---	575	---	174	---	72	41	---
TOTAL	6051	16706	11301	25170	32930	37114	15574	11726	2871	1168	4316	1814
MEAN	195	557	365	812	1136	1197	519	378	95.7	37.7	139	60.5
MAX	1200	3400	2090	4390	11100	9960	5360	3390	327	72	529	292
MIN	49	127	120	220	228	222	206	92	42	22	39	23
CFSM	.36	1.02	.67	1.49	2.08	2.20	.95	.69	.18	.07	.26	.11
IN.	.41	1.14	.77	1.72	2.25	2.53	1.06	.80	.20	.08	.29	.12

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

MEAN	202	242	394	762	871	1044	621	275	201	189	195	94.6
MAX	2039	1486	1703	2263	2623	2935	2514	1016	1576	1061	2311	486
(WY)	1991	1993	1965	1960	1960	1944	1969	1964	1973	1989	1940	1959
MIN	.000	1.29	15.1	24.9	157	171	102	35.9	16.0	17.7	15.7	1.05
(WY)	1955	1955	1955	1956	1957	1985	1986	1941	1956	1990	1993	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1930 - 1996
ANNUAL TOTAL	173256.2	166741	
ANNUAL MEAN	475	456	416
HIGHEST ANNUAL MEAN			959
LOWEST ANNUAL MEAN			119
HIGHEST DAILY MEAN	10700	11100	31700
LOWEST DAILY MEAN	7.2	22	.00
ANNUAL SEVEN-DAY MINIMUM	9.5	28	.00
INSTANTANEOUS PEAK FLOW		12700	35100
INSTANTANEOUS PEAK STAGE		26.66	41.08
ANNUAL RUNOFF (CFSM)	.87	.84	.76
ANNUAL RUNOFF (INCHES)	11.83	11.38	10.37
10 PERCENT EXCEEDS	871	834	825
50 PERCENT EXCEEDS	142	211	108
90 PERCENT EXCEEDS	34	39	16

\* Also occurred on many days in Sept., Oct., Nov., 1954.

\*\* Also occurred on July 27.

## SAVANNAH RIVER BASIN

## 02196483 SAVANNAH RIVER AT STEVENS CREEK DAM NEAR MORGANA, SC

LOCATION.--Lat 33°33'46'', long 82°03'04'', Edgefield County, SC-Columbia County, GA, Hydrologic Unit 03060106, on upstream side of Stevens Creek Dam, about 3.2 mi south of Morgana, and at mile 208.1.

DRAINAGE AREA.--7,150 mi<sup>2</sup>.

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

GAGE.--Data collection platform. Datum of gage is 114.40 ft above sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 76.14 ft, Jan. 23, 1993, but may have been higher during the period of no gage height record, Oct. 11 - 15, 1990; minimum, 67.23 ft, Apr. 12, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 74.51 ft, Feb. 19; minimum, 67.28 ft, Oct. 9.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69.93	72.33	73.39	70.33	73.40	72.01	69.77	---	---	70.40	70.45	70.21
2	69.71	72.38	72.00	71.17	73.08	70.82	71.49	---	---	69.91	70.33	70.34
3	71.54	72.48	70.70	71.06	72.28	69.98	71.18	69.88	---	70.21	70.90	70.17
4	71.54	72.67	71.71	70.95	73.23	70.95	71.06	70.13	70.96	70.36	70.59	70.43
5	71.50	71.48	73.19	70.76	73.98	70.55	71.05	70.70	70.70	70.58	70.64	71.16
6	71.32	71.60	73.15	69.74	73.97	69.68	69.67	72.08	70.21	70.46	71.23	70.87
7	70.13	71.79	73.22	69.57	74.10	72.24	69.27	70.37	71.00	70.34	71.27	70.15
8	69.11	72.79	73.22	71.28	74.09	72.94	---	69.79	70.52	70.53	71.20	69.89
9	69.14	72.93	72.11	70.65	74.05	72.76	---	69.83	69.85	70.60	70.81	72.41
10	70.96	72.65	71.08	70.24	74.13	73.19	71.37	70.50	70.36	70.99	70.28	70.75
11	71.82	72.63	72.22	70.25	74.13	73.17	71.48	70.93	70.20	70.39	69.84	69.75
12	71.90	73.01	72.86	70.81	74.03	73.15	71.46	70.56	70.80	69.82	70.26	70.06
13	71.31	73.03	72.87	71.06	73.99	73.48	70.24	70.31	70.76	---	70.50	70.25
14	70.62	73.51	72.87	69.98	74.07	73.62	69.51	70.07	71.82	---	70.39	70.74
15	69.72	73.94	72.87	69.50	73.79	73.54	69.94	69.66	70.48	---	70.30	69.83
16	70.35	73.95	71.86	70.21	73.71	72.84	70.34	70.55	---	70.96	70.09	69.69
17	72.00	73.97	70.67	69.32	73.49	72.78	70.30	71.27	---	71.07	69.81	---
18	71.96	74.00	71.43	70.28	73.51	72.87	69.62	71.03	---	---	69.78	---
19	73.12	73.92	71.75	71.28	73.64	72.89	70.19	70.63	70.81	---	70.48	---
20	73.13	73.97	72.15	71.75	73.55	73.22	70.94	70.80	71.57	---	71.01	70.59
21	72.20	73.71	71.88	70.58	73.42	73.50	71.30	70.17	71.49	---	70.61	70.81
22	72.65	73.68	71.44	70.42	73.46	73.43	---	70.05	70.49	---	70.47	70.16
23	72.54	73.70	71.07	70.86	73.43	73.49	---	71.42	69.68	---	70.41	70.21
24	73.06	73.68	70.92	70.66	71.12	73.48	70.22	71.46	70.61	---	70.35	70.88
25	72.52	73.55	71.09	71.10	69.86	73.47	69.59	71.50	70.92	---	70.00	70.88
26	72.52	73.56	71.78	70.36	71.53	73.37	70.06	70.95	70.85	70.53	70.84	71.01
27	71.93	73.63	71.79	70.38	71.90	72.21	70.25	70.85	70.69	70.47	71.16	70.93
28	71.27	73.49	71.79	72.33	71.94	72.03	70.51	---	70.76	70.36	70.62	70.49
29	70.32	73.50	71.74	72.16	72.18	72.27	71.17	---	70.78	71.07	70.48	69.89
30	70.07	73.54	71.31	73.05	---	70.88	72.26	---	70.60	70.56	70.28	69.57
31	72.19	---	70.55	73.11	---	70.02	---	---	---	70.86	70.28	---
MAX	73.13	74.00	73.39	73.11	74.13	73.62	72.26	72.08	71.82	71.07	71.27	72.41
MIN	69.11	71.48	70.55	69.32	69.86	69.68	69.27	69.66	69.68	69.82	69.78	69.57

## SAVANNAH RIVER BASIN

021964831 SAVANNAH RIVER BELOW STEVENS CREEK DAM NEAR MORGANA, SC

LOCATION.--Lat 33°33'46'', long 82°03'02'', Edgefield County, SC-Columbia County, GA, Hydrologic Unit 03060106, on downstream end of lock, 200 ft below Stevens Creek Dam, about 3.2 mi south of Morgana, and at mile 208.

DRAINAGE AREA.--7,150 mi<sup>2</sup>.

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

GAGE.--Data collection platform. Datum of gage is 114.42 ft above sea level. Prior to May 24, 1989, at site 200 ft upstream at same datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 49.61 ft, Oct. 12, 1990; minimum gage height, 40.75 ft, Nov. 16, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 47.74 ft, Mar. 7; minimum gage height, 42.47 ft, Oct. 2.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44.03	44.39	45.57	44.08	46.18	45.30	44.04	46.04	---	43.88	44.05	43.52
2	43.83	44.36	44.25	44.29	45.89	44.70	45.13	---	---	44.12	43.79	43.81
3	44.29	44.52	44.02	44.62	45.45	43.99	45.04	43.85	---	43.92	43.69	44.02
4	44.49	44.18	44.71	44.57	46.36	44.19	44.98	43.78	44.40	43.77	43.51	44.15
5	44.61	44.46	45.49	44.51	47.06	44.33	44.98	43.95	44.30	43.71	43.88	44.41
6	44.55	44.51	45.58	44.40	46.86	44.42	44.56	45.10	44.26	43.87	43.93	44.52
7	44.27	44.64	45.65	43.44	46.76	45.77	44.09	44.26	43.98	43.72	44.18	44.19
8	43.93	44.90	45.67	44.35	46.82	46.59	---	43.64	44.18	43.81	44.16	43.50
9	43.65	45.30	44.73	44.71	46.85	46.33	---	43.75	43.44	43.68	44.10	44.99
10	44.09	45.31	44.19	44.14	46.80	46.53	45.09	43.49	43.61	43.69	44.08	44.61
11	44.10	45.34	44.81	43.94	46.87	46.54	45.13	43.54	44.07	43.76	43.70	44.28
12	44.08	45.85	45.23	44.05	46.85	46.45	45.12	43.48	44.21	43.77	43.73	44.04
13	44.32	45.81	45.23	43.68	46.89	46.72	44.50	43.43	44.41	---	44.05	44.08
14	44.20	46.01	45.24	44.17	46.90	46.78	43.82	43.71	44.76	---	43.98	44.04
15	44.10	46.54	45.26	43.66	46.50	46.74	44.01	43.45	44.61	---	43.98	43.76
16	44.12	46.59	44.57	43.62	46.33	46.23	44.21	43.39	---	43.71	43.88	43.77
17	44.45	46.59	44.07	43.71	45.97	46.16	44.12	43.68	---	43.82	43.57	---
18	44.78	46.62	44.18	43.45	45.66	46.23	44.10	44.25	---	---	43.63	---
19	45.67	46.53	44.41	43.90	45.55	46.22	44.01	44.11	44.61	---	43.82	---
20	45.66	46.53	44.73	44.13	45.63	46.49	43.64	44.03	44.77	---	44.37	43.94
21	45.07	46.05	44.54	44.14	45.74	46.78	43.67	44.01	44.88	---	44.36	43.86
22	45.33	45.81	44.33	43.90	45.77	46.75	---	43.74	44.40	---	44.28	43.69
23	45.25	45.89	44.27	43.92	45.74	46.73	---	43.97	43.96	---	44.26	43.93
24	45.64	45.86	44.24	43.83	44.79	46.74	43.92	44.07	44.02	---	43.96	44.18
25	44.87	45.88	44.17	44.06	44.06	46.75	43.64	43.82	44.29	---	43.56	44.19
26	44.87	45.90	44.39	44.20	44.89	46.67	43.65	43.52	44.09	43.58	43.92	44.18
27	44.55	45.90	44.39	44.01	45.26	45.64	43.58	43.71	44.07	43.53	44.21	44.24
28	44.35	45.69	44.35	44.90	45.28	45.64	43.61	---	44.00	43.36	44.34	43.99
29	44.17	45.68	44.42	45.02	45.36	45.75	43.92	---	43.98	43.77	44.15	43.71
30	43.91	45.71	44.31	45.76	---	44.55	44.83	---	43.74	44.31	44.27	43.81
31	44.24	---	44.09	45.88	---	43.83	---	---	---	44.04	43.77	---
MAX	45.67	46.62	45.67	45.88	47.06	46.78	45.13	46.04	44.88	44.31	44.37	44.99
MIN	43.65	44.18	44.02	43.44	44.06	43.83	43.58	43.39	43.44	43.36	43.51	43.50



## SAVANNAH RIVER BASIN

02196484 SAVANNAH RIVER NEAR NORTH AUGUSTA, SC

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

DRAINAGE AREA.--7,150 mi<sup>2</sup>, approximately.

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

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

REMARKS.--Records fair except for estimated daily discharges, Oct. 2, Jan. 15, 26 - 29, Apr. 29 to May 3, 15, May 25 to June 3, 7 - 10, Sept. 19, 20, and those below 2,000 ft<sup>3</sup>/s, which are poor. Flow regulated by Thurmond Lake (see sta 02194500) and by other powerplants above station. Flow diverted above station to the Augusta Canal by City of Augusta for municipal supply.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3730	5290	15600	5200	23800	15800	5480	19000	5600	6310	4410	1430
2	2900	5020	5770	6910	21400	11000	13800	11000	4600	7740	3250	4540
3	5760	6370	3910	8800	17600	5940	13000	6000	6000	6280	2690	5550
4	7410	5240	8830	8850	25400	6630	12700	4190	7250	5250	1840	5340
5	8760	6380	14700	8190	31000	7140	12800	5530	6630	4970	4260	7280
6	7610	6620	15500	7100	29100	7670	8880	14700	6500	5760	3390	7520
7	5450	7440	16500	1480	28500	20700	6530	7550	4500	4750	4920	5640
8	3050	9660	16200	7230	29000	27400	11300	3160	3700	5030	4680	1470
9	1590	13600	9100	9540	29200	24500	14300	3620	3100	3740	4970	12200
10	3600	14500	5260	5570	28600	26600	14000	1950	2900	3180	5360	9490
11	3930	14300	10100	4350	29500	26500	13700	2210	6090	3500	2740	6420
12	4310	18200	13100	5060	29600	25700	13800	2140	6880	3490	3370	4650
13	5710	17700	13100	2960	29700	28200	8920	1670	8260	2650	5260	4810
14	4750	19400	13400	5420	29900	28700	4070	3270	11600	2520	4360	4520
15	4120	24200	13500	2400	26100	28300	5520	2100	10500	3700	3880	2890
16	4460	24300	8580	2480	24400	23500	6890	1410	5390	3290	3520	2940
17	6910	24200	4280	2800	21100	22900	6270	3060	7090	3720	1620	3930
18	8870	24500	4910	1280	18200	23500	5870	6460	10400	2210	1780	4400
19	16300	23700	7280	3540	17100	23400	5100	5470	10200	3740	3110	3700
20	16300	23600	9670	4440	17700	25900	2670	4790	11700	5700	7330	3500
21	12000	19600	8160	3950	18600	28600	3050	4550	12700	2160	6370	3380
22	14100	17700	6580	2450	18800	28100	4360	3190	8560	2040	5400	2420
23	13300	19300	7580	2520	18500	28100	5160	4080	5090	2140	5520	3440
24	16200	19400	7940	2350	10700	28200	4630	4840	5850	2830	4010	4800
25	10200	19800	7340	4980	5360	28200	3010	4500	7540	4190	1680	4600
26	10000	20200	8890	6900	12600	27300	2730	4300	6150	1770	3810	4650
27	7550	18700	8600	9600	15000	18000	2200	4200	5890	1580	5660	5130
28	5950	16300	7940	13000	15500	18700	2470	6000	5430	795	6360	3830
29	4410	16500	8870	15000	16300	18900	4500	11000	4960	3370	5030	2360
30	2820	16700	6970	20100	---	9120	10000	10000	3580	6670	5750	3010
31	4420	---	5120	21000	---	3980	---	8000	---	4380	2870	---
TOTAL	226470	478420	293280	205450	638260	647180	227710	173940	204640	119455	129200	139840
MEAN	7305	15950	9461	6627	22010	20880	7590	5611	6821	3853	4168	4661
MAX	16300	24500	16500	21000	31000	28700	14300	19000	12700	7740	7330	12200
MIN	1590	5020	3910	1280	5360	3980	2200	1410	2900	795	1620	1430
CFSM	1.02	2.23	1.32	.93	3.08	2.92	1.06	.78	.95	.54	.58	.65
IN.	1.18	2.49	1.53	1.07	3.32	3.37	1.18	.90	1.06	.62	.67	.73

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

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

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1989 - 1996

ANNUAL TOTAL	3096310	3483845	7899
ANNUAL MEAN	8483	9519	13960
HIGHEST ANNUAL MEAN			2612
LOWEST ANNUAL MEAN			1993
HIGHEST DAILY MEAN	27300	Feb 26	39000
LOWEST DAILY MEAN	1590	Oct 9	65
ANNUAL SEVEN-DAY MINIMUM	2170	Jul 10	103
INSTANTANEOUS PEAK FLOW			54200
INSTANTANEOUS PEAK STAGE			Mar 7
ANNUAL RUNOFF (CFSM)	1.19	11.69	12.57
ANNUAL RUNOFF (INCHES)	16.11	1.33	1.10
10 PERCENT EXCEEDS	20000	18.13	15.01
50 PERCENT EXCEEDS	6140	23500	20000
90 PERCENT EXCEEDS	2620	6290	5270
		2740	1760



## SAVANNAH RIVER BASIN

02196689 LITTLE HORSE CREEK NEAR GRANITEVILLE, SC

LOCATION.--Lat 33°33'49'', long 81°52'27'', Aiken County, Hydrologic Unit 03060106, on downstream side of bridge on county road 104, 0.5 mi downstream of Hightower Creek, 1.0 mi upstream of Sudlow Lake, and 3.8 mi west of Graniteville.

DRAINAGE AREA.--26.6 mi<sup>2</sup>.

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

GAGE.--Data collection platform. Elevation of gage is 210 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Nov. 8, 9, Sept. 6, 28 - 30, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	39	35	42	40	37	41	42	24	16	21	18
2	32	38	35	40	41	35	38	36	23	16	22	21
3	32	41	35	40	48	33	36	34	23	15	21	24
4	39	39	35	37	41	33	36	32	23	13	22	23
5	43	35	35	39	39	31	35	31	23	29	25	27
6	39	34	35	39	38	27	37	30	22	38	27	17
7	35	45	49	44	37	253	38	30	23	29	29	18
8	32	50	43	47	37	124	35	36	29	29	28	22
9	31	45	40	43	37	53	35	32	38	32	27	21
10	31	38	39	41	36	44	34	30	29	26	29	31
11	31	44	37	42	36	42	33	29	28	23	24	37
12	31	52	37	43	36	41	33	27	31	22	30	27
13	32	43	36	39	35	40	33	26	49	21	30	22
14	35	41	35	37	35	39	33	27	36	23	34	19
15	40	38	35	36	35	39	33	27	29	27	27	18
16	34	37	36	35	33	40	32	27	28	28	23	24
17	32	37	36	34	35	42	31	26	26	24	20	31
18	31	36	36	37	35	44	31	26	25	21	19	24
19	31	36	56	43	35	39	32	25	24	19	20	21
20	31	36	48	41	39	39	33	24	23	17	19	19
21	30	36	41	36	37	37	32	23	22	17	18	19
22	30	35	38	39	36	36	31	23	24	18	17	23
23	30	35	37	39	34	35	30	22	22	16	20	21
24	30	36	36	39	30	35	30	22	20	15	30	20
25	30	38	36	39	33	35	30	33	19	19	29	19
26	30	37	36	36	33	35	35	31	18	23	25	18
27	34	37	35	49	31	37	38	30	17	19	23	18
28	55	37	35	43	35	63	32	41	16	19	23	20
29	39	36	35	39	42	47	35	36	16	19	23	35
30	34	35	35	38	---	41	63	29	16	17	21	60
31	38	---	36	40	---	40	---	26	---	15	19	---
TOTAL	1056	1166	1173	1236	1059	1516	1045	913	746	665	745	717
MEAN	34.1	38.9	37.8	39.9	36.5	48.9	34.8	29.5	24.9	21.5	24.0	23.9
MAX	55	52	56	49	48	253	63	42	49	38	34	60
MIN	30	34	35	34	30	27	30	22	16	13	17	17
CFSM	1.28	1.46	1.42	1.50	1.37	1.84	1.31	1.11	.93	.81	.90	.90
IN.	1.48	1.63	1.64	1.73	1.48	2.12	1.46	1.28	1.04	.93	1.04	1.00

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

	1990	1991	1992	1993	1994	1995	1996
MEAN	32.0	35.3	37.9	46.8	44.3	47.3	35.5
MAX	41.9	51.7	49.0	71.7	67.8	59.6	53.3
(WY)	1991	1993	1993	1993	1995	1993	1991
MIN	23.2	28.4	30.4	37.4	31.4	30.9	24.1
(WY)	1992	1992	1992	1990	1990	1990	1990

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1990 - 1996

ANNUAL TOTAL	14253	12037	
ANNUAL MEAN	39.0	32.9	34.7
HIGHEST ANNUAL MEAN			41.7
LOWEST ANNUAL MEAN			26.4
HIGHEST DAILY MEAN	144	253	305
LOWEST DAILY MEAN	17	13	* 4.1
ANNUAL SEVEN-DAY MINIMUM	21	15	9.3
INSTANTANEOUS PEAK FLOW		505	593
INSTANTANEOUS PEAK STAGE		6.22	6.48
ANNUAL RUNOFF (CFSM)	1.47	1.24	1.31
ANNUAL RUNOFF (INCHES)	19.93	16.83	17.73
10 PERCENT EXCEEDS	55	41	53
50 PERCENT EXCEEDS	35	34	32
90 PERCENT EXCEEDS	25	19	18

\* Flow was temporarily obstructed at the gage by the construction of a rock section upstream.

## SAVANNAH RIVER BASIN

02196999 SAVANNAH RIVER AT NEW SAVANNAH BLUFF LOCK AND DAM AT AUGUSTA, GA

LOCATION.--Lat 33°22'23'', long 81°56'32'', Richmond County, Hydrologic Unit 03060106, at New Savannah Bluff lock and dam, 0.3 mi upstream from Butler Creek, 12.0 mi downstream from Augusta, and at mile 187.5.

DRAINAGE AREA.--7,508 mi<sup>2</sup>, including that of Butler Creek.

PERIOD OF RECORD.--October 1989 to current year. Records prior to October 1989 are in the files of the U.S. Geological Survey.

GAGE.--Data collection platform. Datum of gage is 100.58 ft above sea level (U.S. Army Corps of Engineers bench mark).

REMARKS.--Gage height affected by regulation from Thurmond Lake (see sta 02194500).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 19.41 ft, Oct. 13, 1990; minimum gage height, 7.62 ft, Aug. 19, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.95 ft, Mar. 8; minimum gage height, 10.71 ft, Nov. 4.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.04	---	14.28	14.62	15.16	14.06	14.83	---	---	---	14.19	14.07
2	13.85	13.14	13.54	14.63	14.76	13.81	14.97	---	---	---	14.21	14.11
3	14.79	12.04	14.26	14.36	14.30	14.16	14.70	---	---	---	14.19	14.11
4	13.49	11.78	14.94	14.86	14.34	14.75	14.74	---	---	14.04	14.24	13.20
5	13.39	14.77	14.45	14.46	16.63	14.73	14.62	---	---	14.07	---	12.49
6	14.62	14.63	14.34	14.25	16.07	14.31	14.49	---	---	14.08	---	13.93
7	14.71	14.63	14.19	13.60	15.92	14.51	14.52	---	---	14.08	---	14.15
8	14.58	14.35	14.34	14.72	15.95	16.14	15.05	---	14.62	14.06	13.99	14.03
9	14.38	14.53	14.41	14.82	16.00	14.75	14.92	---	14.66	14.05	14.06	14.27
10	14.62	14.36	14.62	13.77	15.93	15.31	14.62	---	14.51	14.14	14.04	15.30
11	---	14.04	14.48	13.35	16.04	15.18	14.63	---	14.52	14.84	14.10	14.25
12	---	14.07	14.50	14.06	16.10	15.19	14.87	---	14.54	14.84	13.99	13.92
13	---	13.94	13.71	14.20	16.10	15.21	14.61	---	14.53	14.79	14.03	13.11
14	---	14.04	13.66	14.81	16.13	15.72	14.34	---	14.80	14.59	14.05	14.31
15	---	14.44	13.49	13.95	15.45	---	14.51	---	15.17	12.35	14.00	14.18
16	---	14.31	14.71	14.42	14.77	---	14.85	14.01	15.25	12.17	13.91	13.84
17	14.85	14.37	14.86	13.83	14.06	---	14.41	13.44	15.29	14.11	13.92	14.22
18	14.69	14.31	14.77	12.78	12.65	---	14.80	13.22	14.94	13.95	14.15	14.16
19	14.68	14.24	14.44	14.15	12.03	---	14.52	13.41	14.95	14.14	14.07	14.15
20	---	14.18	14.21	14.89	13.88	---	---	13.94	15.00	14.02	14.03	14.11
21	---	13.29	13.76	14.61	14.02	---	---	---	15.11	14.03	14.07	14.28
22	---	13.22	13.92	14.19	14.28	---	---	14.35	14.83	14.07	14.09	14.16
23	---	14.42	14.10	14.77	14.25	---	---	14.10	14.96	14.09	---	14.04
24	---	14.20	14.47	14.29	14.33	---	---	13.94	14.98	12.86	---	14.13
25	14.34	14.30	14.02	14.40	14.26	---	---	14.07	14.98	14.92	---	14.10
26	14.57	14.40	14.76	14.90	14.99	---	---	14.25	14.88	14.06	14.23	14.15
27	14.51	14.72	14.50	14.36	14.59	---	---	---	14.71	14.22	13.92	14.10
28	14.42	14.69	14.36	15.07	14.43	---	---	---	---	14.19	14.02	14.13
29	14.91	14.62	14.38	14.36	14.30	---	---	---	---	14.22	14.00	14.12
30	14.52	14.33	14.41	14.27	---	---	---	---	---	12.86	14.07	14.15
31	---	---	14.08	14.38	---	---	---	---	---	14.31	14.05	---
MAX	14.91	14.77	14.94	15.07	16.63	16.14	15.05	14.35	15.29	14.92	14.24	15.30
MIN	13.39	11.78	13.49	12.78	12.03	13.81	14.34	13.22	14.51	12.17	13.91	12.49

## 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.

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). WRD SC-77-1: 1975. WRD SC-94-1: Peaks outside period of record, 1796, 1840, 1852, 1864, 1865, 1908.

GAGE.--Data collection platform. Datum of gage is 96.58 ft above sea level (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 or recording gage at Fifth Street Bridge at datum 102.06 ft above sea level (levels by Southeastern Engineering Co.). Oct. 1, 1932, to Sept. 30, 1936, recording gage at Thirteenth Street bridge at datum 104.56 ft above sea level (levels by 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 fair except for estimated daily discharges, July 4, 19, 21, 23 - 29, Aug. 3, 4, 16 - 19, 25 - 27, Sept. 1, which are poor. Flow regulated by Thurmond Lake (see sta 02194500), Hartwell Lake, Richard B. Russell Lake, and by other powerplants above station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 307,000 ft<sup>3</sup>/s, Aug. 27, 1908, gage height, 38.8 ft, at site and datum at Fifth Street gage. Stages and discharges for other floods at site and datum at Fifth Street gage are as follows: 280,000 ft<sup>3</sup>/s, Jan. 17, 1796, gage height (determined by analysis of historical documents), 38 ft; 260,000 ft<sup>3</sup>/s, May 28, 1840, gage height, 37.5 ft; 230,000 ft<sup>3</sup>/s, Aug. 29, 1852, gage height, 36.8 ft; 160,000 ft<sup>3</sup>/s, Jan. 1, 1864, gage height, 34.0 ft; 220,000 ft<sup>3</sup>/s, Jan. 11, 1865, gage height, 36.4 ft. Stages for the 1840, 1852, 1864, and 1865 floods were obtained from the City of Augusta, Georgia, gage records that were copied in the log books of the National Weather Service. These floods and floods recorded by the National Weather Service beginning in 1876 are stored in the USGS peak flow database. Other historical documents indicated floods of unknown magnitude occurred in 1722 and 1741.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7340	8560	20100	8420	23500	16800	8980	22300	9600	5720	7900	3770
2	5770	8650	14200	9020	23500	14500	12100	18400	6220	6910	4810	3720
3	6540	8880	8050	11800	22100	9720	14900	9170	5820	5390	4730	5810
4	11000	8040	9670	10700	20600	8610	13900	6130	8370	4620	4090	7250
5	9340	8640	16700	11100	33400	10400	13700	7780	8000	4750	4850	8450
6	10500	9470	18000	10400	31800	11100	12700	12700	7830	5190	6060	8660
7	8930	10700	19000	6850	31300	16300	7990	13500	6270	4500	7230	8500
8	6690	11500	18900	7540	31400	31300	8800	5770	7850	5460	7470	3890
9	5090	14600	17000	12200	31600	27400	14900	5970	5470	8850	6640	8910
10	6080	16300	10400	9860	31400	29000	14600	4240	4500	4600	7170	12200
11	6420	16100	11100	7950	31700	28600	14700	4710	6580	5120	4310	10700
12	6690	19200	15400	8150	32000	28600	14600	4810	7360	5360	3950	7100
13	8780	20900	16100	7230	32000	28600	13100	4410	8270	4820	5660	7740
14	8290	22300	16200	9000	32200	30300	7470	4960	10400	4510	6080	6890
15	6790	26300	15700	6950	29900	30700	6990	4890	12200	6410	5480	6280
16	6530	27200	14100	6060	27800	28000	8880	3460	7240	4800	5180	6320
17	8790	27400	9660	8030	25900	26000	7750	4100	7150	4380	4630	5830
18	10500	27300	8930	5940	22100	25800	8060	8040	11200	5130	3620	7500
19	15300	27100	10500	5640	20700	25800	7170	7150	11400	3890	3740	7190
20	18500	26900	13300	9040	18800	26500	5680	6970	11900	6900	7930	6660
21	15100	24500	11900	9700	20400	29500	5310	6980	13800	4890	8350	6280
22	15500	21200	11100	7450	20500	30100	5820	6340	11600	3520	7830	6030
23	15800	20600	9360	7950	20200	30100	7140	5210	7620	3800	7730	5910
24	15800	21200	8840	7860	16900	30200	6570	7200	7000	4220	5880	7050
25	15600	21500	8220	7690	10600	30300	6160	6850	8910	5860	4050	7730
26	12300	21200	9660	9130	10800	30200	5020	5290	8450	6380	5640	7280
27	11800	21400	10300	8880	15800	23900	4930	4920	7680	4070	8500	7640
28	9690	20600	10400	12600	16200	21400	4990	6620	7320	3640	8020	7000
29	8110	19900	10000	14000	16900	21900	5810	14500	7490	3730	7040	5780
30	7030	20200	10400	20400	---	17000	9990	12200	5710	8550	7750	5520
31	6530	---	8370	20900	---	8780	---	10400	---	5850	5140	---
TOTAL	307130	558340	391560	298440	702000	727410	278710	245970	249210	161820	187460	209590
MEAN	9907	18610	12630	9627	24210	23460	9290	7935	8307	5220	6047	6986
MAX	18500	27400	20100	20900	33400	31300	14900	22300	13800	8850	8500	12200
MIN	5090	8040	8050	5640	10600	8610	4930	3460	4500	3520	3620	3720
CFSM	1.32	2.48	1.68	1.28	3.22	3.13	1.24	1.06	1.11	.70	.81	.93
IN.	1.52	2.77	1.94	1.48	3.48	3.60	1.38	1.22	1.23	.80	.93	1.04

## SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA--Continued

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1884 - 1996, BY WATER YEAR (WY)

MEAN	7236	7190	9412	12400	14420	15670	13370	8963	8184	7714	8295	7560
MAX	42170	21250	27390	40950	39560	52440	58700	27050	22830	19480	35030	47850
(WY)	1930	1949	1933	1936	1903	1929	1936	1964	1973	1906	1887	1888
MIN	2079	2614	3751	4084	4812	5637	5172	3427	3258	3001	1706	1453
(WY)	1905	1932	1953	1953	1938	1988	1988	1927	1925	1925	1925	1925

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1884 - 1996	
ANNUAL TOTAL	4138350		4317640		10040	
ANNUAL MEAN	11340		11800		16580	
HIGHEST ANNUAL MEAN					1964	
LOWEST ANNUAL MEAN					1988	
HIGHEST DAILY MEAN	30800	Feb 26	33400	Feb 5	315000	Oct 3 1929
LOWEST DAILY MEAN	5090	Oct 9	3460	May 16	1040	Oct 2 1927
ANNUAL SEVEN-DAY MINIMUM	5310	May 26	4480	May 11	1170	Aug 23 1925
INSTANTANEOUS PEAK FLOW			34400	Feb 5	350000	Oct 3 1929
INSTANTANEOUS PEAK STAGE			20.48	Feb 5	* 46.30	Sep 27 1929
ANNUAL RUNOFF (CFSM)	1.51		1.57		1.34	
ANNUAL RUNOFF (INCHES)	20.50		21.39		18.17	
10 PERCENT EXCEEDS	22700		25800		18800	
50 PERCENT EXCEEDS	8980		8640		6930	
90 PERCENT EXCEEDS	5590		4890		3930	

\* At site and datum then in use.

## SAVANNAH RIVER BASIN

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, SC

LOCATION.--Lat 33°22'14'', long 81°37'43'', Aiken County, Hydrologic Unit 03060106, at upstream side of Treadway bridge on SRS Road 8-1, 1.0 mi downstream from US highway 278, 0.2 mi east of SRS Road F-1, 5.0 mi southeast of New Ellenton.

DRAINAGE AREA.--98.7 mi<sup>2</sup> (revised).

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

GAGE.--Data collection platform. Elevation of gage is 165 ft above sea level (from topographic map). June 10, 1966 to Sept. 30, 1989 at site 1.0 mi upstream at datum 10 ft higher.

REMARKS.--Records good except for estimated daily discharges, Aug. 19, 20, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	126	122	137	126	119	151	119	102	95	105	98
2	117	124	122	132	126	117	128	112	101	94	107	100
3	116	127	122	151	149	114	123	110	101	93	105	100
4	128	128	122	129	130	113	119	109	101	92	103	103
5	128	121	122	125	124	113	117	108	100	120	117	114
6	122	120	122	124	122	126	122	107	99	149	128	103
7	119	137	185	132	121	173	125	108	100	112	119	98
8	117	177	149	129	120	152	119	124	108	106	105	98
9	116	134	144	124	121	128	117	110	136	115	104	97
10	116	128	139	122	123	123	118	106	107	104	104	117
11	116	134	129	121	120	120	115	105	106	100	102	190
12	117	147	127	130	118	119	114	104	106	101	117	135
13	117	131	126	124	117	117	114	103	129	99	124	111
14	126	127	125	121	117	117	114	105	109	101	135	105
15	142	125	124	119	117	118	117	105	105	118	110	102
16	121	124	124	119	117	128	115	106	106	123	104	105
17	118	124	123	119	116	132	113	104	104	108	102	111
18	116	123	122	121	120	143	111	103	103	102	104	103
19	116	123	166	126	117	128	112	102	108	99	116	100
20	115	122	150	122	126	122	115	102	109	97	100	99
21	114	122	132	120	122	118	114	101	105	97	100	100
22	113	122	128	118	118	117	111	101	103	98	98	107
23	113	122	126	117	117	116	110	101	100	97	98	100
24	113	127	125	129	116	115	111	101	98	97	101	99
25	114	130	124	131	114	119	109	106	97	103	116	98
26	114	125	124	121	114	116	110	107	97	108	107	97
27	116	123	126	174	114	120	110	114	97	100	102	98
28	188	124	123	150	128	170	109	119	95	99	105	99
29	134	124	121	135	135	141	114	114	95	98	104	110
30	123	123	121	129	---	127	142	107	95	97	101	118
31	124	---	123	130	---	126	---	106	---	94	99	---
TOTAL	3768	3844	4038	3981	3525	3907	3519	3329	3122	3216	3342	3215
MEAN	122	128	130	128	122	126	117	107	104	104	108	107
MAX	188	177	185	174	149	173	151	124	136	149	135	190
MIN	113	120	121	117	114	113	109	101	95	92	98	97
CFSM	1.23	1.30	1.32	1.30	1.23	1.28	1.19	1.09	1.05	1.05	1.09	1.09
IN.	1.42	1.45	1.52	1.50	1.33	1.47	1.33	1.25	1.18	1.21	1.26	1.21

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1996, BY WATER YEAR (WY)

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	98.7	104	109	114	112	116	109	101	101	100	103	98.8																			
MAX	130	128	139	145	152	157	156	136	167	123	134	128																			
(WY)	1991	1996	1977	1978	1973	1980	1973	1973	1973	1975	1995	1995																			
MIN	69.0	70.8	81.6	85.6	79.9	76.4	73.2	70.9	65.8	64.7	65.1	65.0																			
(WY)	1983	1983	1983	1984	1990	1990	1990	1990	1990	1983	1982	1990																			

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1966 - 1996

ANNUAL TOTAL	46444	42806	
ANNUAL MEAN	127	117	105
HIGHEST ANNUAL MEAN			133
LOWEST ANNUAL MEAN			77.1
HIGHEST DAILY MEAN	307	Aug 26	509
LOWEST DAILY MEAN	97	May 27	53
ANNUAL SEVEN-DAY MINIMUM	100	May 22	55
INSTANTANEOUS PEAK FLOW			820
INSTANTANEOUS PEAK STAGE			7.07
INSTANTANEOUS LOW FLOW			90
ANNUAL RUNOFF (CFSM)	1.29		1.18
ANNUAL RUNOFF (INCHES)	17.50		16.13
10 PERCENT EXCEEDS	147		132
50 PERCENT EXCEEDS	121		117
90 PERCENT EXCEEDS	108		100

\* Also occurred on Aug. 19, 22, 23, 1983.

\*\* Also occurred on July 4, 5.



## SAVANNAH RIVER BASIN

021973005 TINKER CREEK AT ROAD 8-11 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°22'14'', long 81°31'39'', Barnwell County, Hydrologic Unit 03060106, on upstream side of bridge on SRS Road 8-11, 1.5 mi downstream from US highway 278, and approximately 5.0 mi southwest of Williston.

DRAINAGE AREA.--16.3 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1992 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 220 ft above sea level (from topographic map).

REMARKS.--Records fair except for estimated daily discharge, July 17, which is poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	26	22	32	24	24	34	23	17	15	16	16
2	23	25	22	26	25	23	26	20	16	15	18	17
3	22	25	22	26	29	22	23	20	16	15	18	17
4	27	25	22	24	25	22	22	20	16	15	17	29
5	26	23	22	23	24	22	22	19	16	20	16	58
6	24	23	22	23	24	26	24	19	16	32	23	28
7	23	30	40	26	23	45	26	18	16	22	25	22
8	23	34	29	25	23	34	23	18	18	18	20	19
9	22	26	28	23	23	26	22	18	24	18	18	18
10	22	24	27	23	23	24	22	18	19	17	18	17
11	22	26	24	23	23	23	22	18	18	16	17	19
12	23	28	23	25	22	22	21	17	18	16	18	19
13	23	24	23	24	22	22	21	18	22	16	18	18
14	27	24	23	23	22	22	21	18	20	16	18	17
15	33	23	23	23	22	23	21	17	18	18	19	16
16	26	23	23	23	22	26	21	17	17	21	17	17
17	23	23	23	22	22	27	21	17	16	19	16	19
18	22	23	23	23	22	28	21	17	16	17	18	19
19	22	23	34	24	22	25	21	17	18	16	18	19
20	22	22	29	24	25	23	22	17	25	15	17	18
21	22	22	24	23	24	22	22	16	21	15	16	18
22	22	22	23	23	23	21	21	16	18	15	16	20
23	22	22	23	23	22	21	21	16	17	15	20	19
24	22	23	23	25	22	21	21	17	17	16	23	19
25	22	24	23	26	22	22	20	32	16	17	27	19
26	22	24	23	23	22	21	20	22	15	20	22	18
27	23	23	23	32	24	24	20	19	15	18	19	17
28	40	22	23	28	28	41	20	22	15	16	18	18
29	28	22	23	25	28	30	20	22	15	16	17	19
30	24	22	23	24	---	25	26	19	15	16	17	22
31	24	---	23	25	---	25	---	18	---	16	17	---
TOTAL	749	726	758	762	682	782	667	585	526	537	577	611
MEAN	24.2	24.2	24.5	24.6	23.5	25.2	22.2	18.9	17.5	17.3	18.6	20.4
MAX	40	34	40	32	29	45	34	32	25	32	27	58
MIN	22	22	22	22	22	21	20	16	15	15	16	16
CFSM	1.48	1.48	1.50	1.51	1.44	1.55	1.36	1.16	1.08	1.06	1.14	1.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	26.1	25.9	26.6	32.1	32.3	33.1	27.3	21.8	24.0	24.1	22.9	23.3
MAX	28.9	28.6	29.5	43.4	40.2	44.6	38.4	29.8	31.2	29.6	29.4	26.4
(WY)	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993	1995	1995
MIN	24.2	24.2	24.5	24.6	23.5	25.2	22.2	16.9	17.5	17.3	18.6	20.2
(WY)	1996	1996	1996	1996	1996	1996	1996	1994	1996	1996	1996	1994

SUMMARY STATISTICS FOR 1995 CALENDAR YEAR FOR 1996 WATER YEAR WATER YEARS 1993 - 1996

	1995	1996	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
ANNUAL TOTAL	9720	7962												
ANNUAL MEAN	26.6	21.8												
HIGHEST ANNUAL MEAN			26.6											
LOWEST ANNUAL MEAN			32.6											
HIGHEST DAILY MEAN	84	Jan 7	21.8											
LOWEST DAILY MEAN	20	May 17	107											
ANNUAL SEVEN-DAY MINIMUM	20	May 22	13											
INSTANTANEOUS PEAK FLOW			14											
INSTANTANEOUS PEAK STAGE			Unknown											
ANNUAL RUNOFF (CFSM)	1.63	1.33	* 2.97											
10 PERCENT EXCEEDS	32	26	1.63											
50 PERCENT EXCEEDS	25	22	37											
90 PERCENT EXCEEDS	22	16	18											

\* Caused by backwater from beaver dam.

\*\* Also occurred on June 27 to July 4, July 20 - 23.

\*\*\* Also occurred on Sept. 5.

## SAVANNAH RIVER BASIN

021973007 MILL CREEK AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°19'14'', long 81°35'32'', Barnwell County, Hydrologic Unit 03060106, on right bank, 7 ft upstream of Unnamed Road, 1.0 mi south of Craig Rd (SRS Road 2-1), 2.0 mi southeast of Tinker Creek.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1994 to September 1996 (discontinued).

GAGE.--Data collection platform. Datum of gage is 177.4 ft above sea level (by Global Positioning System).

REMARKS.--Records fair except for estimated daily discharges, June 23, 24, 27 - 30, July 1 - 5, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	6.3	5.4	19	6.4	6.3	16	6.2	2.3	1.0	5.4	2.7
2	4.0	5.6	5.4	8.7	9.2	5.7	9.3	4.6	2.1	1.2	9.5	2.8
3	3.7	6.6	5.3	7.2	13	5.1	7.8	4.1	2.0	1.2	4.8	2.9
4	8.6	6.4	5.3	6.4	7.4	4.9	7.4	3.8	2.0	1.3	4.8	12
5	5.6	5.3	5.2	6.2	6.7	4.9	7.0	3.6	2.9	6.0	13	21
6	4.5	5.2	5.3	6.0	6.5	14	10	3.3	2.1	13	5.6	5.3
7	4.1	19	35	10	6.2	40	9.0	3.2	1.8	4.7	4.3	3.7
8	3.7	16	8.9	7.0	6.0	14	7.2	4.2	2.4	3.4	3.7	3.3
9	3.5	7.4	15	6.0	5.8	9.7	7.0	3.4	4.1	3.3	4.8	3.0
10	3.5	6.9	8.7	5.9	5.5	8.8	6.5	3.1	2.2	2.5	5.2	3.6
11	3.6	12	7.0	5.5	5.6	8.2	6.3	2.9	2.2	2.3	3.7	5.0
12	3.7	11	6.7	8.3	5.3	7.8	6.1	2.7	2.0	2.3	4.9	3.6
13	3.9	7.2	6.4	5.9	5.1	7.5	6.0	2.7	4.9	2.1	4.3	3.1
14	8.7	6.5	6.3	5.4	5.1	7.2	5.9	2.8	2.2	2.2	8.5	2.7
15	10	6.3	6.1	5.5	5.1	15	5.6	2.9	3.5	4.9	4.3	2.6
16	4.9	6.1	5.9	5.5	5.0	17	5.4	2.8	3.9	7.2	3.6	2.7
17	4.2	6.1	5.7	5.5	5.1	22	5.2	2.6	2.1	4.4	3.7	3.0
18	3.8	6.0	5.7	6.0	5.0	17	5.0	2.4	1.7	11	3.7	2.6
19	3.7	6.0	28	7.3	4.9	12	5.2	2.3	1.6	3.6	3.0	2.5
20	3.6	6.0	9.6	5.6	8.3	9.4	5.9	2.0	1.7	2.8	2.4	2.4
21	3.6	6.0	7.5	5.3	5.7	8.5	5.7	2.0	2.4	3.1	2.1	2.6
22	3.4	5.7	7.0	5.3	5.0	8.1	4.9	1.9	1.7	2.7	2.0	4.1
23	3.4	5.6	6.8	5.2	4.9	7.6	4.6	1.8	1.0	2.4	4.2	2.9
24	3.4	6.2	6.6	9.7	4.9	7.3	4.4	1.9	1.0	2.4	5.6	2.5
25	3.4	7.4	6.5	6.9	4.4	7.2	4.2	3.1	4.3	2.5	18	2.3
26	3.5	6.1	6.4	5.5	4.2	7.2	4.4	3.0	1.6	3.4	5.0	2.3
27	5.8	5.9	6.1	23	4.2	14	4.7	8.6	1.0	2.1	3.9	2.3
28	22	5.8	6.0	8.7	16	32	3.9	11	1.0	3.5	3.6	2.3
29	6.1	5.7	6.0	7.1	9.5	13	5.2	4.5	1.0	2.7	3.5	3.0
30	5.0	5.5	6.0	6.6	---	10	17	3.0	1.0	1.9	3.2	6.0
31	5.7	---	7.2	7.2	---	11	---	2.7	---	2.2	2.8	---
TOTAL	160.8	217.8	259.0	233.4	186.0	362.4	202.8	109.1	65.7	109.3	157.1	120.8
MEAN	5.19	7.26	8.35	7.53	6.41	11.7	6.76	3.52	2.19	3.53	5.07	4.03
MAX	22	19	35	23	16	40	17	11	4.9	13	18	21
MIN	3.4	5.2	5.2	5.2	4.2	4.9	3.9	1.8	1.0	1.0	2.0	2.3

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1996, BY WATER YEAR (WY)

	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
MEAN	7.66	6.89	9.43	13.2	12.6	12.5	6.50	3.77	6.11	3.76	5.65	5.00
MAX	10.1	7.26	10.5	18.8	19.1	13.4	6.76	4.03	10.0	3.99	6.23	5.98
(WY)	1995	1996	1995	1995	1995	1995	1996	1995	1995	1995	1995	1995
MIN	5.19	6.52	8.35	7.53	6.41	11.7	6.23	3.52	2.19	3.53	5.07	4.03
(WY)	1996	1995	1996	1996	1996	1996	1995	1996	1996	1996	1996	1996

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1995 - 1996

ANNUAL TOTAL	3278.7	2184.2	
ANNUAL MEAN	8.98	5.97	7.74
HIGHEST ANNUAL MEAN			9.53
LOWEST ANNUAL MEAN			5.97
HIGHEST DAILY MEAN	78	Feb 18	78
LOWEST DAILY MEAN	2.4	Aug 16	1.0
ANNUAL SEVEN-DAY MINIMUM	2.7	Aug 12	1.1
INSTANTANEOUS PEAK FLOW			58
INSTANTANEOUS PEAK STAGE			3.65
10 PERCENT EXCEEDS	17		10
50 PERCENT EXCEEDS	6.0		5.2
90 PERCENT EXCEEDS	3.2		2.2
			7.74
			9.53
			5.97
			78
			1.0
			1.1
			Unknown
			5.44
			15
			5.5
			2.7

## SAVANNAH RIVER BASIN

021973007 MILL CREEK AT SAVANNAH RIVER SITE, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: March 1995 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 25.5°C, June 25, July 23, 1996; minimum, 4.5°C, several days, several months 1995, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.5°C, June 25, July 23; minimum, 4.5°C, several days, several months.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.5	18.5	19.5	17.5	15.5	16.5	11.5	9.0	10.5	11.0	9.5	10.0
2	21.0	19.0	20.0	19.0	17.0	18.0	12.0	9.0	10.5	13.0	11.0	12.0
3	21.0	19.0	20.0	18.5	18.0	18.5	12.0	9.0	10.5	12.5	9.5	11.5
4	22.0	20.0	21.0	18.0	13.5	16.0	13.0	10.0	11.5	9.5	7.5	8.5
5	23.0	21.5	22.0	13.5	11.5	12.0	14.5	12.5	13.5	9.0	6.5	7.5
6	22.0	20.0	21.0	14.0	11.5	13.0	14.5	12.5	13.5	9.5	7.0	8.0
7	22.0	20.0	21.0	16.5	14.0	15.0	14.0	10.5	12.5	9.0	6.0	7.5
8	20.5	17.5	19.0	16.0	12.5	14.5	10.5	8.5	9.5	6.5	4.5	5.5
9	20.5	17.5	19.0	12.5	10.5	11.5	10.5	9.5	10.0	6.5	4.5	5.5
10	20.5	18.5	19.5	13.0	9.5	11.5	10.0	7.5	9.0	7.5	5.5	6.5
11	21.0	20.0	20.5	15.0	13.0	13.5	8.0	6.0	7.0	7.5	5.5	6.5
12	20.5	20.0	20.5	13.0	10.5	11.5	8.5	6.0	7.0	8.0	7.0	7.5
13	21.5	20.5	21.0	12.0	9.0	10.5	9.5	6.5	8.0	8.5	6.0	7.0
14	22.5	21.0	21.5	12.5	11.0	12.0	11.0	8.0	9.0	9.0	6.0	7.5
15	21.5	17.5	19.5	11.5	9.5	10.5	13.0	10.0	11.5	10.5	7.5	9.0
16	18.0	15.5	17.0	11.0	8.5	10.0	14.5	12.5	13.5	10.0	8.5	9.5
17	17.5	14.5	16.0	11.0	8.5	9.5	13.5	12.0	12.5	10.5	9.5	10.0
18	18.0	14.5	16.0	12.0	8.5	10.0	12.5	11.5	12.0	13.0	10.0	11.5
19	18.5	15.5	17.0	13.0	9.5	11.0	12.5	10.5	11.5	13.5	8.5	11.5
20	18.5	15.5	17.0	13.0	10.0	11.5	12.5	9.5	11.0	8.5	6.0	7.0
21	17.5	14.5	15.5	13.5	11.5	12.5	9.5	7.5	8.0	8.5	7.0	7.5
22	16.0	12.0	14.0	11.5	9.0	10.0	7.5	6.0	7.0	8.5	5.5	7.0
23	16.5	12.5	14.5	11.0	8.0	9.5	8.0	6.5	7.0	9.5	6.0	7.5
24	18.5	15.5	17.0	11.5	10.5	11.0	7.0	5.5	6.0	10.5	9.0	10.0
25	19.0	16.5	18.0	11.5	10.0	11.0	7.0	5.0	6.0	9.5	7.5	8.5
26	18.0	15.5	17.0	11.5	8.5	10.0	7.0	5.0	6.0	11.0	7.0	8.5
27	19.5	16.0	17.5	12.5	9.0	11.0	7.5	5.5	6.0	11.5	9.5	11.0
28	18.5	16.0	18.0	15.0	12.0	13.5	7.0	5.0	6.0	9.5	7.5	8.5
29	16.0	13.5	15.0	15.5	13.5	14.5	6.5	4.5	5.5	9.5	8.0	8.5
30	15.5	12.5	14.0	13.5	10.5	11.5	8.5	5.0	6.5	11.0	9.0	10.0
31	15.5	14.5	15.0	---	---	---	10.0	8.5	9.5	12.5	11.0	11.5
MONTH	23.0	12.0	18.2	19.0	8.0	12.4	14.5	4.5	9.3	13.5	4.5	8.6





## SAVANNAH RIVER BASIN

021973008 MCQUEEN BRANCH AT ROAD F AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°17'45'', long 81°37'53'', Aiken County, Hydrologic Unit 03060106, on right bank, 75 ft north of Road F, at Savannah River Site.

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

GAGE.--Data collection platform. Datum of gage is 199.5 ft above sea level (from Global Positioning System and Department of Energy Benchmark).

REMARKS.--Estimated daily discharges, Oct. 14, 27, 28, Nov. 7, 11, Nov. 16 to Jan. 11, 27, Feb. 2, 9 - 13, 28, Mar. 6 - 12, 15 - 17, 27, 28, 31, Apr. 1, 29, 30, May 2 - 7, 10 - 22, 25 - 28, June 8, 12, 13, 21, 28, July 1 - 6, 8, 11 - 15, 17 - 23, 24, 25, 28, 30, 31, Aug. 1, 4, 13, 24, 25, Sept. 4, 10, 16. Records poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.95	.97	.78	1.4	.66	.70	3.2	.83	.55	1.0	3.5	.33
2	.91	.91	.80	1.3	1.7	.62	1.3	.56	.52	.27	1.3	.37
3	.88	1.3	.80	1.5	1.8	.61	1.0	.52	.49	.35	.42	.34
4	1.0	1.0	.86	1.0	1.2	.65	1.0	.50	.54	1.3	1.2	1.2
5	1.1	.99	.88	.82	1.1	.63	.88	.48	.54	5.0	1.9	.85
6	1.0	1.0	.84	.90	1.0	2.4	1.2	.50	.32	4.3	.89	.57
7	.99	4.3	5.0	1.1	.91	7.0	.84	.52	.27	2.3	.70	.53
8	.93	1.5	2.3	1.0	1.0	3.0	.72	.94	1.2	1.5	.61	.50
9	1.0	1.1	2.1	.85	1.1	2.3	.69	.64	.65	1.2	.81	.49
10	.99	1.0	1.5	.76	.90	1.7	.79	.54	.23	2.0	.58	2.0
11	1.0	2.5	1.1	.84	.82	1.2	.81	.50	.24	1.0	.58	1.0
12	1.0	1.3	.95	1.0	.76	1.0	.80	.52	.57	.70	1.3	.60
13	1.0	1.1	.86	.71	.74	.58	.80	.48	1.1	.60	1.3	.45
14	2.2	1.0	.82	.74	.68	.48	.70	.43	.42	.90	1.7	.40
15	1.1	1.1	.80	.69	.66	1.5	.60	.44	.51	2.2	.67	.39
16	.67	1.0	.78	.69	.66	1.3	.63	.43	.50	.71	.57	.42
17	.63	.90	.79	.73	.70	4.9	.61	.39	.29	.75	.54	.50
18	.62	.90	.80	.81	.68	1.6	.58	.40	.25	.65	.76	.47
19	.60	.90	3.0	.94	.65	1.3	.60	.41	.25	.64	.62	.47
20	.60	.90	1.5	.72	.98	1.0	.62	.39	.27	.50	.53	.46
21	.69	.86	1.3	.76	.57	.98	.65	.38	.92	.48	.50	.86
22	.69	.85	1.1	.74	.57	.66	.62	.41	.47	.45	.50	.55
23	.69	.84	1.0	.69	.62	.55	.64	1.0	.34	.49	.56	.39
24	.68	.95	.99	1.9	.53	.52	.68	1.1	.63	.82	.76	.41
25	.69	1.0	.98	.83	.52	.42	.73	.71	1.1	1.2	1.9	.48
26	.68	.96	.97	.73	.52	.42	.91	3.6	.26	.33	.35	.50
27	1.8	.88	1.0	3.9	.49	2.0	.74	3.2	.23	.24	.31	.52
28	2.7	.82	.96	1.2	2.2	6.2	.57	3.0	.20	.76	.32	.59
29	.90	.78	.95	.98	.90	1.9	.69	.84	1.2	.25	.30	.80
30	.86	.76	.94	.90	---	1.4	3.1	.68	1.7	.24	.31	.95
31	.95	---	.93	.88	---	2.1	---	.61	---	.83	.32	---
TOTAL	30.50	34.37	38.38	32.01	25.62	51.62	27.70	25.95	16.76	33.96	26.61	18.39
MEAN	.98	1.15	1.24	1.03	.88	1.67	.92	.84	.56	1.10	.86	.61
MAX	2.7	4.3	5.0	3.9	2.2	7.0	3.2	3.6	1.7	5.0	3.5	2.0
MIN	.60	.76	.78	.69	.49	.42	.57	.38	.20	.24	.30	.33

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1996, BY WATER YEAR (WY)

MEAN	1.41	1.26	1.38	2.23	2.03	2.22	1.44	.86	.92	1.35	1.39	1.01
MAX	3.00	2.11	1.98	4.21	5.02	3.39	1.89	1.41	1.55	3.12	3.17	1.50
(WY)	1995	1993	1995	1993	1995	1993	1993	1991	1995	1991	1991	1991
MIN	.86	.70	1.07	1.03	.88	1.20	.92	.38	.56	.69	.59	.61
(WY)	1994	1995	1994	1996	1996	1992	1996	1994	1996	1994	1994	1996

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1991 - 1996

ANNUAL TOTAL	627.95	361.87	
ANNUAL MEAN	1.72	.99	
HIGHEST ANNUAL MEAN			1.38
LOWEST ANNUAL MEAN			1.92
HIGHEST DAILY MEAN	45	Feb 18	.99
LOWEST DAILY MEAN	.24	Aug 1	50
ANNUAL SEVEN-DAY MINIMUM	.39	May 22	.08
INSTANTANEOUS PEAK FLOW			.11
INSTANTANEOUS PEAK STAGE			Unknown
10 PERCENT EXCEEDS	3.2		6.06
50 PERCENT EXCEEDS	1.0		2.4
90 PERCENT EXCEEDS	.52		.97
			.50



## SAVANNAH RIVER BASIN

021973012 CROUCH BRANCH NEAR H-AREA AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°17'27'', long 81°38'57'', Aiken County, Hydrologic Unit 03060106, on right upstream side of concrete culvert on Road 4, 0.5 mi west of H area, 0.9 mi southwest of junction of SRS roads 4 and F, at Savannah River Site.

PERIOD OF RECORD.--October 1991 to current year.

GAGE.--Data collection platform. Elevation of gage is 230 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges, Oct. 14, 27, Nov. 7, Dec. 7, 9, 19, 31, Jan. 1, 27, Feb. 2, 28, Mar. 6, 7, 15, 17, 27, 28, 31, Apr. 1, 30, May 26, 28, June 8, 12, July 5, 15, 25, 31, Aug. 1, 4, 13, 24, 25, Sept. 4, 10. Records poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	.02	.03	.39	.02	.03	.60	.04	.04	.01	1.7	.02
2	.02	.02	.04	.02	.26	.02	.13	.03	.02	.01	.30	.02
3	.02	.02	.04	.02	.18	.02	.21	.02	.02	.01	.16	.02
4	.02	.02	.03	.02	.05	.02	.13	.02	.02	.01	1.0	.24
5	.02	.03	.03	.02	.03	.02	.11	.02	.02	1.4	.49	.17
6	.02	.03	.03	.02	.03	.60	.18	.02	.02	.46	.15	.04
7	.02	1.4	1.7	.20	.02	3.3	.13	.02	.02	.07	.07	.02
8	.02	.08	.07	.04	.02	.15	.04	.02	.36	.05	.05	.02
9	.02	.05	.47	.02	.02	.06	.03	.02	.09	.04	.22	.02
10	.02	.03	.07	.02	.02	.05	.02	.02	.04	.03	.07	.91
11	.02	.66	.05	.02	.02	.03	.02	.02	.02	.02	.07	.07
12	.02	.09	.03	.16	.02	.03	.02	.02	.10	.02	.43	.12
13	.02	.04	.03	.02	.02	.03	.02	.02	.41	.02	.39	.05
14	.18	.03	.02	.02	.02	.03	.02	.02	.05	.45	.38	.04
15	.05	.03	.02	.02	.02	.55	.02	.02	.04	.75	.08	.02
16	.04	.03	.02	.02	.02	.43	.02	.02	.06	.12	.06	.02
17	.02	.03	.02	.02	.02	2.0	.02	.02	.02	.07	.05	.02
18	.02	.03	.02	.02	.02	.21	.02	.02	.02	.11	.07	.02
19	.02	.03	1.3	.13	.02	.09	.02	.02	.02	.03	.05	.02
20	.02	.04	.06	.02	.02	.05	.02	.02	.02	.02	.04	.02
21	.02	.05	.05	.02	.02	.03	.02	.01	.44	.02	.02	.02
22	.02	.06	.04	.02	.02	.03	.02	.01	.05	.02	.02	.04
23	.02	.06	.02	.02	.02	.02	.02	.01	.02	.02	.02	.02
24	.03	.06	.02	.50	.02	.02	.02	.01	.02	.14	.04	.02
25	.02	.06	.02	.03	.02	.02	.02	.03	.01	.32	.85	.02
26	.02	.07	.02	.02	.02	.02	.02	1.0	.01	.05	.07	.02
27	.39	.06	.02	.91	.02	.60	.02	.51	.01	.02	.05	.02
28	.63	.04	.02	.05	.55	2.0	.02	1.2	.01	.48	.05	.02
29	.05	.02	.02	.03	.05	.10	.03	.10	.01	.11	.04	.02
30	.03	.02	.02	.02	---	.06	.97	.06	.01	.11	.03	.15
31	.02	---	.05	.02	---	.29	---	.05	---	.51	.02	---
TOTAL	1.88	3.21	4.38	2.86	1.59	10.91	2.94	3.42	2.00	5.50	7.04	2.23
MEAN	.061	.11	.14	.092	.055	.35	.098	.11	.067	.18	.23	.074
MAX	.63	1.4	1.7	.91	.55	3.3	.97	1.2	.44	1.4	1.7	.91
MIN	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.02	.02

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
MEAN	.22	.13	.17	.32	.23	.29	.10	.052	.21	.19	.24	.13
MAX	.58	.27	.36	.56	.47	.48	.23	.11	.44	.32	.32	.27
(WY)	1995	1993	1995	1993	1995	1993	1992	1996	1995	1992	1995	1993
MIN	.061	.068	.084	.092	.055	.095	.025	.009	.067	.077	.087	.026
(WY)	1996	1994	1993	1996	1996	1992	1994	1994	1996	1993	1993	1994

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1992 - 1996

ANNUAL TOTAL	76.47	47.96		
ANNUAL MEAN	.21	.13		
HIGHEST ANNUAL MEAN			.19	
LOWEST ANNUAL MEAN			.27	1995
HIGHEST DAILY MEAN	6.0	Aug 26	.13	1996
LOWEST DAILY MEAN	.01	May 30	.00	* Apr 26 1994
ANNUAL SEVEN-DAY MINIMUM	.02	May 25	.00	* Apr 26 1994
INSTANTANEOUS PEAK FLOW			Unknown	Sep 21 1993
INSTANTANEOUS PEAK STAGE			4.18	** Mar 7
10 PERCENT EXCEEDS	.39		.39	
50 PERCENT EXCEEDS	.04		.02	
90 PERCENT EXCEEDS	.02		.02	

\* Also occurred many days every year.

\*\* Also occurred on Aug. 4.

## SAVANNAH RIVER BASIN

02197306 TIMS BRANCH AT ROAD 2 SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°19'05'', long 81°42'47'', Aiken County, Hydrologic Unit 03060106, on right bank, approximately 100 ft downstream of concrete culvert on SRS Road 2, 1.7 mi northeast of the intersection of SRS Road C, at Savannah River Site.

DRAINAGE AREA.--13.8 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1993 to September 1996 (discontinued).

GAGE.--Data collection platform. Datum of gage is 186.13 ft above sea level.

REMARKS.--WATER YEAR 1995: Estimated daily discharges, Oct. 1, 26, Jan. 7, Feb. 12, 17, 19, 25, Mar. 1 - 6, June 2, 5 - 8, 28, July 6 - 10, 17 - 21, 25, 26, 29 - 31, Aug. 3, 4, 7, 26, Sept. 24 - 28. Records poor.  
WATER YEAR 1996: Records fair except for estimated daily discharges, Oct. 4 - 7, 14 - 19, 28, Nov. 1 - 3, 7, Dec. 7, 19, Jan. 27, July 19, which are poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	2.6	2.3	2.1	2.2	27	2.6	1.9	1.6	1.6	1.8	1.3
2	3.4	2.0	1.8	2.0	2.1	4.5	2.4	2.0	3.7	2.0	2.2	1.7
3	7.2	2.0	1.8	1.9	2.0	3.3	2.5	1.7	4.5	1.9	6.0	1.7
4	4.6	2.0	2.0	1.9	2.2	3.0	2.5	1.7	3.4	2.5	3.5	1.6
5	3.0	2.0	3.0	1.9	1.9	3.0	2.5	1.7	30	2.4	2.5	1.3
6	2.4	1.9	2.0	2.0	1.9	3.7	2.9	1.6	45	2.2	2.0	1.5
7	2.1	1.9	1.8	57	1.9	3.5	2.8	1.6	7.1	2.1	1.8	1.5
8	2.1	1.9	1.7	8.6	1.9	4.8	2.6	1.6	3.4	2.0	1.9	1.6
9	2.1	1.9	1.6	3.6	1.9	3.7	2.5	1.6	2.6	2.0	1.8	1.6
10	4.1	1.9	1.5	2.9	2.7	3.3	2.4	1.6	2.4	2.1	1.9	1.5
11	3.3	2.3	2.1	2.5	9.6	3.0	2.4	1.6	2.1	2.1	1.7	1.5
12	8.7	2.0	1.7	2.3	5.6	3.0	2.3	1.6	2.8	2.2	1.4	1.8
13	18	2.1	1.4	2.2	3.2	3.1	2.0	1.5	2.5	2.2	1.3	1.9
14	6.9	1.9	1.4	4.5	2.8	3.1	2.3	2.1	2.2	2.1	1.2	4.8
15	3.8	1.9	1.4	9.2	3.1	3.0	2.2	1.9	2.0	2.0	1.1	3.1
16	3.0	1.9	1.7	4.8	5.3	3.0	2.2	1.7	1.8	2.7	1.2	2.5
17	2.7	1.9	1.6	3.6	13	3.1	2.1	1.5	1.2	5.0	.93	2.3
18	2.5	1.9	1.6	3.0	50	3.0	2.0	1.4	1.4	2.7	.93	2.0
19	2.5	1.8	1.7	2.9	18	2.9	2.0	3.3	1.5	2.1	2.0	1.8
20	2.5	1.8	1.6	2.8	5.7	2.9	2.0	2.3	2.0	2.2	2.1	1.7
21	2.5	3.0	1.6	2.6	3.6	2.9	2.1	1.6	2.0	2.4	1.4	1.8
22	3.3	2.1	7.9	2.4	3.2	2.8	2.7	1.4	2.0	2.7	1.2	1.8
23	4.4	2.0	9.4	4.1	3.3	2.9	2.4	1.4	1.9	2.6	1.0	1.9
24	3.0	1.8	5.5	3.3	3.2	2.8	2.5	1.3	2.3	3.3	1.1	44
25	2.7	1.8	3.0	2.8	3.2	2.8	2.4	1.2	2.3	4.0	1.3	20
26	2.4	2.1	2.5	2.4	3.1	2.7	2.3	1.2	2.2	2.7	27	11
27	2.2	3.3	2.4	2.3	3.2	2.8	2.2	1.2	2.6	2.3	6.7	7.3
28	2.1	2.7	2.2	3.1	3.7	2.8	2.2	1.2	11	2.2	2.8	3.4
29	2.1	3.9	1.9	6.6	---	3.0	2.0	1.9	3.5	2.1	1.9	2.9
30	2.2	2.9	1.8	2.9	---	2.6	2.0	1.8	1.9	2.0	1.5	2.7
31	2.1	---	1.9	2.5	---	2.7	---	1.6	---	1.9	1.3	---
TOTAL	115.7	65.2	75.8	156.7	163.5	120.7	70.0	51.7	154.9	74.3	86.46	135.5
MEAN	3.73	2.17	2.45	5.05	5.84	3.89	2.33	1.67	5.16	2.40	2.79	4.52
MAX	18	3.9	9.4	57	50	27	2.9	3.3	45	5.0	27	44
MIN	1.8	1.8	1.4	1.9	1.9	2.6	2.0	1.2	1.2	1.6	.93	1.3
CFSM	.27	.16	.18	.37	.42	.28	.17	.12	.37	.17	.20	.33
IN.	.31	.18	.20	.42	.44	.33	.19	.14	.42	.20	.23	.37

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1995, BY WATER YEAR (WY)

	3.75	2.96	3.07	4.43	5.04	4.28	2.44	1.79	3.68	2.57	2.54	3.18
MEAN	3.75	2.96	3.07	4.43	5.04	4.28	2.44	1.79	3.68	2.57	2.54	3.18
MAX	3.76	3.74	3.69	5.05	5.84	4.66	2.55	1.92	5.16	2.74	2.79	4.52
(WY)	1994	1994	1994	1995	1995	1994	1994	1994	1995	1994	1995	1995
MIN	3.73	2.17	2.45	3.81	4.24	3.89	2.33	1.67	2.20	2.40	2.29	1.84
(WY)	1995	1995	1995	1994	1994	1995	1995	1995	1994	1995	1994	1994

## SUMMARY STATISTICS

## FOR 1994 CALENDAR YEAR

## FOR 1995 WATER YEAR

## WATER YEARS 1994 - 1995

ANNUAL TOTAL	1051.1	1270.46	
ANNUAL MEAN	2.88	3.48	
HIGHEST ANNUAL MEAN			3.30
LOWEST ANNUAL MEAN			3.48
HIGHEST DAILY MEAN	19	Mar 25	57
LOWEST DAILY MEAN	1.4	Jun 21	.93 * Aug 17
ANNUAL SEVEN-DAY MINIMUM	1.5	May 25	1.2 Aug 12
INSTANTANEOUS PEAK FLOW			Unknown Jan 7
INSTANTANEOUS PEAK STAGE			3.91 Jan 7
ANNUAL RUNOFF (CFSM)	.21		.25
ANNUAL RUNOFF (INCHES)	2.83		3.42
10 PERCENT EXCEEDS	4.3		4.5
50 PERCENT EXCEEDS	2.3		2.2
90 PERCENT EXCEEDS	1.7		1.5

\* Also occurred on Aug. 18, 1995.

## SAVANNAH RIVER BASIN

02197306 TIMS BRANCH AT ROAD 2 SAVANNAH RIVER SITE, SC--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	2.4	2.0	4.3	3.0	4.5	4.9	2.0	1.7	1.4	1.8	1.5
2	2.6	2.0	2.0	4.2	3.2	4.1	3.8	2.1	1.7	1.4	2.2	1.4
3	2.5	2.6	2.0	4.7	5.4	4.0	3.8	3.0	1.8	1.3	2.4	1.4
4	2.5	2.5	2.2	2.9	4.9	3.9	3.0	3.0	1.9	1.4	2.6	1.3
5	2.6	2.3	2.2	2.5	4.2	3.5	3.7	2.8	2.0	1.7	3.1	1.6
6	2.4	2.8	2.1	2.6	3.6	2.8	4.3	2.8	1.8	5.9	14	1.7
7	2.3	7.5	15	3.7	3.5	6.3	5.0	2.6	1.6	9.1	7.3	1.5
8	2.3	6.1	5.7	3.1	3.4	8.9	3.1	2.0	1.7	7.1	3.5	1.4
9	2.4	3.4	5.5	2.8	3.0	7.1	2.6	1.2	3.1	6.5	2.3	1.3
10	2.6	2.7	3.7	2.9	2.5	5.1	2.5	1.2	2.8	4.6	2.0	2.2
11	2.5	4.6	2.9	2.5	2.3	3.7	2.2	1.2	2.7	3.6	1.7	8.0
12	2.4	3.8	2.6	3.2	2.6	3.1	2.3	1.3	2.5	2.2	1.8	2.9
13	2.4	3.0	2.4	2.8	2.6	2.6	2.1	1.6	3.6	1.8	2.0	1.3
14	2.6	2.7	2.4	2.8	2.7	2.4	2.1	1.4	3.5	2.0	1.9	1.0
15	4.1	2.9	2.2	2.6	3.0	2.0	1.6	1.5	3.3	3.3	1.7	.94
16	3.0	2.5	2.2	2.4	5.6	3.7	1.7	1.7	3.1	3.6	1.7	1.2
17	2.8	2.3	2.3	2.3	3.5	3.4	2.2	2.0	2.7	3.4	1.6	1.7
18	2.5	2.2	2.3	2.5	2.7	3.7	2.1	2.1	2.2	2.7	1.5	1.2
19	2.2	2.2	9.6	3.0	2.2	3.5	1.8	2.3	1.9	1.9	1.4	.90
20	2.4	2.2	4.9	2.5	2.7	3.2	1.7	2.5	1.6	1.7	1.3	.93
21	2.0	2.2	3.6	2.2	3.3	2.9	1.7	2.3	1.5	1.7	1.3	1.2
22	1.9	2.1	3.4	2.2	3.5	2.5	1.7	2.1	1.5	1.8	1.2	1.4
23	2.1	2.1	3.2	2.3	3.1	2.2	1.6	2.0	1.5	1.8	1.2	2.3
24	2.1	2.4	3.0	2.9	2.9	1.8	1.8	1.6	1.5	1.8	1.2	.74
25	1.9	2.5	3.0	2.9	3.1	1.4	6.9	1.2	1.5	1.7	2.6	.91
26	2.1	2.4	3.0	2.4	3.1	1.4	5.7	1.3	1.4	1.8	2.3	1.1
27	3.2	2.2	3.1	12	2.9	1.5	3.6	1.7	1.4	1.8	1.8	.91
28	9.2	2.1	2.9	9.5	2.9	8.4	1.4	2.9	1.3	1.8	1.7	.92
29	2.5	2.0	2.9	4.5	4.7	10	1.2	2.8	1.2	1.9	1.6	1.1
30	2.0	1.9	2.9	3.9	---	5.5	1.8	2.3	1.3	1.9	1.6	1.6
31	3.1	---	2.9	3.3	---	3.7	---	1.9	---	1.7	1.5	---
TOTAL	83.9	84.6	110.1	108.4	96.1	122.8	83.9	62.4	61.3	86.3	75.8	47.55
MEAN	2.71	2.82	3.55	3.50	3.31	3.96	2.80	2.01	2.04	2.78	2.45	1.58
MAX	9.2	7.5	15	12	5.6	10	6.9	3.0	3.6	9.1	14	8.0
MIN	1.9	1.9	2.0	2.2	2.2	1.4	1.2	1.2	1.2	1.3	1.2	.74
CFSM	.20	.20	.26	.25	.24	.29	.20	.15	.15	.20	.18	.11
IN.	.23	.23	.30	.29	.26	.33	.23	.17	.17	.23	.20	.13

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

	1994	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996	1995	1996
MEAN	3.40	2.91	3.23	4.12	4.45	4.17	2.56	1.87	3.14	2.64	2.51	2.65	
MAX	3.76	3.74	3.69	5.05	5.84	4.66	2.80	2.01	5.16	2.78	2.79	4.52	
(WY)	1994	1994	1994	1995	1995	1994	1996	1996	1995	1996	1995	1995	
MIN	2.71	2.17	2.45	3.50	3.31	3.89	2.33	1.67	2.04	2.40	2.29	1.58	
(WY)	1996	1995	1995	1996	1996	1995	1995	1995	1996	1995	1994	1996	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1994 - 1996

ANNUAL TOTAL	1292.36	1023.15	
ANNUAL MEAN	3.54	2.80	
HIGHEST ANNUAL MEAN			3.13
LOWEST ANNUAL MEAN			3.48
HIGHEST DAILY MEAN	57	15	2.80
LOWEST DAILY MEAN	.93	* Aug 17	57
ANNUAL SEVEN-DAY MINIMUM	1.2	Aug 12	.74
INSTANTANEOUS PEAK FLOW			1.0
INSTANTANEOUS PEAK STAGE			1.0
ANNUAL RUNOFF (CFSM)	.26	Unknown	3.97
ANNUAL RUNOFF (INCHES)	3.48	2.17	.23
10 PERCENT EXCEEDS	4.5	2.76	3.08
50 PERCENT EXCEEDS	2.4	4.5	4.3
90 PERCENT EXCEEDS	1.6	2.4	2.5
		1.4	1.6

## SAVANNAH RIVER BASIN

02197309 TIMS BRANCH AT ROAD C AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°17'13''(revised), long 81°41'49''(revised), Aiken County, Hydrologic Unit 03060106, on left upstream end of metal culvert, 30 ft northeast of SRS Road C and 300 ft northwest of Upper Three Runs Creek, at Savannah River Site.

DRAINAGE AREA.--17.5 mi<sup>2</sup>.

PERIOD OF RECORD.--March 1974 to September 1982, October 1984 to September 1996 (discontinued).

GAGE.--Data collection platform. Datum of gage is 128.39 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, Oct. 31, Nov. 1, Mar. 24, May 24 - 28, Sept. 4 - 11, which are poor. Flow regulated by Savannah River Site operations 5 mi upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	5.0	4.8	9.4	6.4	7.6	10	3.8	4.2	2.4	4.5	4.8
2	5.1	4.4	4.7	7.5	6.8	6.9	7.8	3.6	4.1	2.4	5.2	4.9
3	5.0	5.6	4.7	9.1	9.1	6.5	7.1	4.0	4.1	2.4	4.6	4.6
4	5.0	5.7	4.8	6.8	8.7	6.2	6.4	4.2	4.1	2.3	5.4	4.6
5	5.5	5.2	5.0	6.0	7.8	6.0	6.2	4.2	4.1	6.5	6.9	4.9
6	4.9	5.3	5.1	6.1	7.1	7.1	8.6	4.0	3.9	11	14	5.7
7	4.8	11	21	7.9	6.6	17	8.1	4.1	3.4	12	12	5.0
8	4.5	13	11	7.4	6.5	13	7.1	3.9	6.0	9.8	7.6	4.0
9	4.4	7.6	10	6.5	5.9	11	5.8	3.4	7.3	9.4	6.2	3.9
10	4.6	6.4	8.5	6.3	5.3	8.8	5.6	2.9	5.8	7.8	5.5	3.8
11	4.4	7.4	7.1	5.9	5.0	7.0	5.0	2.8	5.6	6.6	5.2	16
12	4.4	8.7	6.3	6.8	4.9	6.1	4.7	2.8	5.4	5.6	7.0	9.1
13	4.3	6.9	5.9	6.4	5.0	5.5	4.6	2.9	7.8	4.6	6.0	6.2
14	5.2	6.2	5.9	6.0	5.1	5.3	4.4	3.1	6.8	4.8	5.9	5.1
15	7.7	6.1	5.7	6.1	5.1	5.8	4.5	3.1	6.8	7.1	5.2	4.6
16	5.5	5.7	5.5	5.7	7.9	7.9	4.3	3.1	6.1	6.8	4.8	4.8
17	5.0	5.4	5.5	5.6	6.7	8.8	4.2	3.4	5.4	5.8	4.5	5.6
18	4.5	5.4	5.4	5.8	5.6	8.0	4.0	3.6	4.7	5.7	4.3	5.1
19	4.2	5.4	16	6.7	4.8	6.9	3.9	3.7	4.7	4.3	4.3	4.4
20	4.4	5.3	10	6.2	5.6	6.2	3.9	3.8	3.9	4.1	4.0	4.0
21	4.1	5.3	8.1	5.6	6.3	5.7	3.9	3.8	3.2	3.9	3.8	4.4
22	4.0	5.2	7.7	5.6	6.2	5.1	3.8	3.8	3.1	3.7	3.6	4.9
23	4.0	5.2	7.3	5.6	5.9	4.6	3.7	3.7	3.0	3.7	3.6	5.8
24	4.2	5.5	6.9	6.7	5.5	4.2	3.4	3.9	3.0	3.6	3.9	4.6
25	4.0	6.0	6.7	7.2	5.4	3.5	4.0	3.8	3.0	3.7	13	3.6
26	4.1	5.5	6.7	6.3	5.5	3.4	4.5	3.7	2.8	3.8	8.4	3.8
27	4.9	5.3	6.7	16	5.2	4.5	3.5	3.7	2.7	3.6	7.3	3.7
28	17	5.3	6.4	14	6.9	12	3.0	15	2.5	3.9	7.1	3.6
29	6.5	4.9	6.3	8.6	7.7	14	2.8	7.1	2.4	3.7	6.6	3.8
30	4.7	4.9	6.3	7.6	---	9.5	4.2	5.6	2.4	3.6	5.7	5.2
31	5.9	---	6.8	7.0	---	7.8	---	5.0	---	3.9	4.9	---
TOTAL	162.1	184.8	228.8	224.4	180.5	231.9	153.0	129.5	132.3	162.5	191.0	154.5
MEAN	5.23	6.16	7.38	7.24	6.22	7.48	5.10	4.18	4.41	5.24	6.16	5.15
MAX	17	13	21	16	9.1	17	10	15	7.8	12	14	16
MIN	4.0	4.4	4.7	5.6	4.8	3.4	2.8	2.8	2.4	2.3	3.6	3.6

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1996, BY WATER YEAR (WY)

	MEAN	5.68	5.66	6.31	7.41	7.30	8.02	5.96	5.25	5.10	4.53	5.31	4.99
MAX	19.5	8.91	8.28	13.7	11.3	14.5	8.86	10.4	9.03	8.10	11.5	8.91	8.91
(WY)	1991	1993	1982	1993	1995	1980	1993	1976	1995	1975	1991	1975	1975
MIN	2.13	2.84	4.14	4.29	4.95	4.14	3.62	2.60	2.88	2.35	2.32	2.48	2.48
(WY)	1982	1982	1980	1977	1982	1982	1981	1981	1990	1980	1980	1980	1990

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1974 - 1996

ANNUAL TOTAL	2521.5	2135.3	
ANNUAL MEAN	6.91	5.83	5.97
HIGHEST ANNUAL MEAN			8.20
LOWEST ANNUAL MEAN			4.30
HIGHEST DAILY MEAN	66	21	92
LOWEST DAILY MEAN	2.9	2.3	1.0
ANNUAL SEVEN-DAY MINIMUM	3.4	2.4	1.2
INSTANTANEOUS PEAK FLOW		36	129
INSTANTANEOUS PEAK STAGE		4.14	5.69
10 PERCENT EXCEEDS	9.9	8.5	9.1
50 PERCENT EXCEEDS	5.5	5.3	4.9
90 PERCENT EXCEEDS	4.2	3.6	3.0



## SAVANNAH RIVER BASIN

02197310 UPPER THREE RUNS ABOVE ROAD C AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°17'08'', long 81°41'40'', Aiken County, Hydrologic Unit 03060106, on right bank, 100 ft upstream of SRS Road C, 2.0 mi east of SRS Road 2, at Savannah River Site.

DRAINAGE AREA.--176 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

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

GAGE.--Data collection platform. Datum of gage is 121.5 ft above sea level (by Global Positioning System).

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	233	263	235	320	260	263	387	325	176	153	182	169
2	228	260	234	336	251	229	382	228	173	151	234	172
3	222	266	232	297	334	215	274	208	171	149	213	176
4	234	285	232	279	313	208	254	200	173	147	208	178
5	292	256	234	247	259	207	241	196	170	190	233	283
6	255	238	237	239	243	241	251	191	167	387	246	332
7	233	293	438	260	238	536	297	188	165	359	240	211
8	222	474	533	289	235	617	264	206	188	211	208	180
9	215	432	386	255	232	374	243	202	264	205	191	174
10	213	283	357	240	229	270	234	185	222	190	223	201
11	213	278	297	234	226	250	229	179	186	173	192	427
12	216	339	263	257	221	238	225	177	182	172	229	372
13	218	320	254	265	216	231	223	174	268	168	237	232
14	234	272	248	239	215	226	224	177	234	167	244	188
15	321	257	246	231	216	238	228	176	195	197	226	177
16	304	249	244	226	221	349	230	179	196	234	184	178
17	234	245	240	226	218	334	219	177	181	208	174	199
18	219	243	236	239	217	388	215	173	175	190	183	188
19	215	243	366	257	218	321	213	170	172	176	199	176
20	212	243	466	253	246	270	227	168	188	164	184	172
21	210	243	324	232	272	246	226	165	204	162	172	172
22	206	240	264	225	236	236	217	163	189	163	166	194
23	205	236	255	222	224	231	210	163	172	162	165	187
24	206	241	245	243	221	224	205	166	165	161	192	174
25	206	272	241	295	214	223	202	203	168	164	281	172
26	208	266	238	252	211	229	206	215	161	196	271	170
27	213	250	238	344	209	245	212	231	157	178	199	167
28	415	246	239	458	247	457	203	263	154	174	187	167
29	476	246	231	307	341	513	205	267	152	171	186	183
30	287	241	232	271	---	328	316	201	152	162	178	217
31	249	---	240	259	---	281	---	187	---	163	173	---
TOTAL	7614	8220	8725	8297	6983	9218	7262	6103	5520	5847	6400	6188
MEAN	246	274	281	268	241	297	242	197	184	189	206	206
MAX	476	474	533	458	341	617	387	325	268	387	281	427
MIN	205	236	231	222	209	207	202	163	152	147	165	167
CFSM	1.40	1.56	1.60	1.52	1.37	1.69	1.38	1.12	1.05	1.07	1.17	1.17
IN.	1.61	1.74	1.84	1.75	1.48	1.95	1.53	1.29	1.17	1.24	1.35	1.31

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1996, BY WATER YEAR (WY)

	195	209	220	245	244	254	219	193	190	189	198	186
MEAN	195	209	220	245	244	254	219	193	190	189	198	186
MAX	394	296	322	402	393	377	334	321	327	304	401	290
(WY)	1991	1993	1995	1993	1995	1993	1993	1984	1995	1991	1991	1995
MIN	134	145	132	147	149	161	141	129	112	113	124	105
(WY)	1989	1989	1989	1989	1989	1990	1990	1990	1990	1986	1988	1990

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1974 - 1996

ANNUAL TOTAL	104381	86377	
ANNUAL MEAN	286	236	212
HIGHEST ANNUAL MEAN			294
LOWEST ANNUAL MEAN			154
HIGHEST DAILY MEAN	980	Feb 18	1740
LOWEST DAILY MEAN	168	May 28	85
ANNUAL SEVEN-DAY MINIMUM	174	May 23	86
INSTANTANEOUS PEAK FLOW			2040
INSTANTANEOUS PEAK STAGE			7.87
ANNUAL RUNOFF (CFSM)	1.62		1.20
ANNUAL RUNOFF (INCHES)	22.06		16.34
10 PERCENT EXCEEDS	420		307
50 PERCENT EXCEEDS	248		190
90 PERCENT EXCEEDS	196		135

\* Also occurred on July 12, 1990.



SAVANNAH RIVER BASIN  
02197310 UPPER THREE RUNS ABOVE ROAD C AT SAVANNAH RIVER SITE, SC--Continued  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: February 1993 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 25.5°C, July 21, 1993; minimum, 4.5°C, Jan. 20, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.0°C, July 20; minimum, 6.0°C, Feb. 5, 6.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19.5	19.0	19.5	16.5	15.0	15.5	13.0	11.5	12.0	10.5	9.0	10.0
2	20.5	19.5	20.0	17.5	16.5	17.0	11.5	11.0	11.0	11.5	10.5	10.5
3	20.5	20.0	20.5	18.0	17.5	18.0	11.5	11.0	11.0	11.5	11.5	11.5
4	21.5	20.5	21.0	18.0	16.0	17.0	12.0	11.0	11.5	11.5	9.5	10.5
5	22.5	21.5	22.0	16.0	13.0	14.0	13.0	12.0	12.5	9.5	9.0	9.0
6	22.0	21.0	21.5	13.0	12.5	13.0	13.5	13.0	13.0	9.0	8.5	9.0
7	21.0	20.5	21.0	15.0	13.0	14.0	13.5	12.5	13.0	9.0	8.5	9.0
8	20.5	19.0	19.5	15.0	14.0	14.5	12.5	10.5	11.0	8.5	7.0	7.5
9	19.0	18.5	19.0	14.0	11.5	12.5	10.5	10.0	10.5	7.0	6.5	6.5
10	19.5	18.5	19.0	12.0	10.5	11.0	10.5	9.5	10.0	7.5	7.0	7.0
11	20.0	19.5	20.0	13.5	12.0	12.5	9.5	8.5	9.0	8.0	7.0	7.5
12	20.0	20.0	20.0	13.5	11.5	12.5	8.5	8.0	8.5	8.5	8.0	8.5
13	20.5	20.0	20.0	11.5	10.5	11.0	9.0	8.5	8.5	8.5	7.5	8.0
14	21.0	20.5	20.5	12.0	11.0	11.5	9.5	9.0	9.0	9.0	7.5	8.5
15	21.0	18.5	20.0	11.5	11.0	11.0	11.0	9.5	10.5	10.5	8.5	9.5
16	18.5	17.0	17.5	11.0	10.5	10.5	12.5	11.0	12.0	10.5	10.0	10.5
17	17.0	16.0	16.5	10.5	10.0	10.5	13.0	12.5	12.5	11.0	10.5	11.0
18	16.5	16.0	16.0	10.5	10.0	10.5	12.5	12.0	12.5	14.0	11.0	12.0
19	17.0	16.5	17.0	11.5	10.5	11.0	12.0	11.5	12.0	14.0	11.5	13.5
20	17.5	17.0	17.0	12.0	11.5	11.5	12.0	11.0	11.5	11.5	8.5	9.0
21	17.5	16.0	16.5	12.5	12.0	12.0	11.0	9.5	10.0	8.5	8.0	8.0
22	16.0	15.0	15.0	12.5	11.0	11.5	9.5	8.5	9.0	8.5	7.5	8.0
23	15.0	14.0	14.5	11.0	10.0	10.5	8.5	8.5	8.5	9.5	7.5	8.5
24	17.0	15.0	16.0	11.0	10.5	10.5	8.5	8.0	8.0	11.5	9.5	11.0
25	18.0	17.0	17.5	11.5	11.0	11.5	8.0	7.5	7.5	11.0	9.0	10.0
26	18.0	17.0	17.5	11.0	10.5	11.0	7.5	7.0	7.5	10.5	8.5	9.0
27	17.5	16.5	17.0	11.0	10.5	10.5	7.5	7.0	7.0	12.5	10.5	12.0
28	18.0	17.5	17.5	13.0	11.0	12.0	7.5	7.0	7.0	11.5	9.0	9.5
29	17.5	15.0	16.0	14.5	13.0	13.5	7.0	7.0	7.0	10.0	8.5	9.0
30	15.0	14.0	14.5	14.0	13.0	13.5	7.5	7.0	7.0	12.0	10.0	10.5
31	15.0	14.5	15.0	---	---	---	9.0	7.5	8.5	13.5	12.0	12.5
MONTH	22.5	14.0	18.2	18.0	10.0	12.5	13.5	7.0	10.0	14.0	6.5	9.6



## SAVANNAH RIVER BASIN

02197315 UPPER THREE RUNS AT ROAD A AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°14'20'', long 81°44'42'', Aiken County, Hydrologic Unit 03060106, near right bank, on downstream side of bridge at SRS Road A, 2.0 mi south of SRS Road 2, at Savannah River Site.

DRAINAGE AREA.--203 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1974 to January 1978, October 1978 to current year.

GAGE.--Data collection platform. Elevation of gage is 90 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated discharges, Oct. 22, 23, Nov. 11 to Dec. 4, Jan. 2, Feb. 3 - 25, Mar. 9 - 28, which are poor.

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	243	265	254	318	293	336	368	345	184	147	187	165
2	241	272	253	370	295	263	418	263	176	145	239	167
3	235	271	252	330	350	247	325	225	173	142	213	172
4	237	290	253	317	330	237	274	213	174	138	203	169
5	273	280	254	278	270	235	261	206	173	188	255	225
6	275	256	257	265	260	257	261	202	169	297	230	289
7	247	284	368	276	255	442	297	198	165	383	238	242
8	237	401	496	309	250	611	293	207	180	243	214	180
9	230	453	473	292	245	450	262	217	254	203	186	170
10	227	349	388	267	240	285	251	196	241	197	216	172
11	228	290	352	261	240	270	248	189	193	175	198	307
12	230	350	291	272	235	250	243	184	188	170	221	368
13	232	340	275	292	228	245	240	180	241	166	231	259
14	243	290	270	270	225	240	240	183	254	164	265	190
15	293	275	268	258	228	250	242	183	204	192	231	174
16	329	265	266	254	230	330	247	186	200	219	189	171
17	262	264	263	251	225	350	235	184	187	219	174	190
18	238	263	259	261	224	380	230	179	178	190	176	185
19	231	262	335	278	225	340	227	175	178	181	196	171
20	228	261	450	281	250	285	237	171	187	163	189	165
21	226	260	420	262	285	260	241	168	201	164	168	164
22	223	257	300	253	250	250	233	165	196	161	162	182
23	222	255	276	250	235	245	224	165	175	160	157	186
24	223	255	269	262	230	240	217	167	165	157	173	169
25	224	270	264	306	225	240	214	202	168	159	288	164
26	224	285	262	299	237	242	216	218	161	187	273	162
27	228	270	261	325	235	260	222	247	154	182	211	159
28	336	265	262	439	264	400	217	259	150	175	187	159
29	439	262	257	410	348	519	213	278	147	171	186	172
30	378	260	255	305	---	430	281	224	147	160	177	205
31	265	---	262	288	---	318	---	197	---	159	170	---
TOTAL	7947	8620	9365	9099	7407	9707	7677	6376	5563	5757	6403	5853
MEAN	256	287	302	294	255	313	256	206	185	186	207	195
MAX	439	453	496	439	350	611	418	345	254	383	288	368
MIN	222	255	252	250	224	235	213	165	147	138	157	159
CFSM	1.26	1.42	1.49	1.45	1.26	1.54	1.26	1.01	.91	.91	1.02	.96
IN.	1.46	1.58	1.72	1.67	1.36	1.78	1.41	1.17	1.02	1.05	1.17	1.07

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1996, BY WATER YEAR (WY)

	MEAN	225	248	262	288	286	305	264	216	212	209	224	208
MAX	416	347	377	492	392	473	406	368	318	305	419	287	
(WY)	1991	1993	1977	1993	1995	1993	1980	1984	1976	1991	1991	1975	
MIN	141	171	155	176	174	169	142	129	111	113	130	118	
(WY)	1989	1989	1989	1989	1989	1990	1990	1990	1990	1986	1988	1990	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1974 - 1996

ANNUAL TOTAL	104078	89774	245	
ANNUAL MEAN	285	245	320	1993
HIGHEST ANNUAL MEAN			172	1990
LOWEST ANNUAL MEAN				
HIGHEST DAILY MEAN	980	Feb 19	2000	Oct 13 1990
LOWEST DAILY MEAN	167	May 28	83	* Jul 7 1990
ANNUAL SEVEN-DAY MINIMUM	175	May 23	84	Jul 6 1990
INSTANTANEOUS PEAK FLOW			2580	Oct 12 1990
INSTANTANEOUS PEAK STAGE			7.89	Oct 12 1990
ANNUAL RUNOFF (CFSM)	1.40		1.21	
ANNUAL RUNOFF (INCHES)	19.07		16.45	
10 PERCENT EXCEEDS	389		331	
50 PERCENT EXCEEDS	257		240	
90 PERCENT EXCEEDS	197		168	

\* Also occurred on July 8, 11, 1990.

## SAVANNAH RIVER BASIN

02197315 UPPER THREE RUNS ABOVE ROAD A AT SAVANNAH RIVER SITE, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May 1993 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.0°C, July 21, 1993; minimum, 4.5°C, Jan. 9, Feb. 5, 6, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.5°C, July 18 - 25; minimum, 4.5°C, Jan. 9, Feb. 5, 6.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.0	19.0	19.5	16.5	15.0	15.5	11.5	10.0	10.5	11.5	10.0	11.0
2	20.5	19.5	20.0	18.0	16.5	17.0	11.0	10.0	10.5	---	---	---
3	21.0	20.0	20.5	18.5	18.0	18.0	11.0	10.0	10.5	13.0	11.5	12.5
4	21.5	20.5	21.0	18.0	16.0	17.0	13.0	10.5	11.5	11.5	8.5	9.5
5	23.0	21.5	22.5	16.0	13.0	14.0	13.5	12.0	13.0	8.5	7.5	8.0
6	22.5	22.0	22.0	13.0	12.0	12.5	14.0	13.5	14.0	8.5	7.5	8.0
7	22.0	21.0	21.5	15.0	13.0	13.5	14.0	11.5	13.5	8.5	7.0	8.0
8	21.0	19.5	20.0	15.0	13.5	14.5	11.5	9.5	10.0	7.0	5.0	5.5
9	20.0	19.0	19.5	13.5	10.5	11.5	9.5	8.5	9.0	5.5	4.5	5.0
10	20.0	19.0	19.5	11.5	9.5	10.5	9.5	7.5	8.5	7.0	5.5	6.0
11	20.5	20.0	20.0	---	---	---	7.5	6.0	6.5	7.5	6.5	6.5
12	20.5	20.5	20.5	---	---	---	7.0	6.0	6.5	8.0	7.5	8.0
13	21.0	20.5	21.0	---	---	---	8.0	6.5	7.5	8.0	7.0	7.5
14	22.0	21.0	21.5	11.5	10.0	10.5	9.5	8.0	8.5	8.5	7.0	8.0
15	21.5	19.0	20.5	10.5	9.5	10.0	12.0	9.5	10.5	10.0	8.0	9.0
16	19.0	17.0	17.5	10.0	9.0	9.5	14.0	12.0	13.0	10.5	9.5	10.0
17	17.0	16.0	16.5	10.0	9.0	9.5	14.0	13.0	13.5	10.5	10.0	10.5
18	17.0	16.0	16.5	11.0	10.0	10.0	13.0	12.0	12.5	13.0	10.5	11.5
19	17.5	16.5	17.0	11.5	10.5	11.0	12.5	11.5	12.0	14.0	11.0	13.0
20	18.0	16.5	17.5	12.5	11.5	12.0	12.0	10.0	11.5	11.0	8.0	9.0
21	17.5	16.0	16.5	12.5	10.5	11.5	10.0	8.0	8.5	8.0	7.5	7.5
22	---	---	---	11.0	9.0	10.0	8.0	6.5	7.0	8.0	7.0	7.5
23	---	---	---	10.5	9.5	10.0	7.0	6.5	7.0	9.0	7.0	8.0
24	16.5	15.0	15.5	11.0	10.5	11.0	7.0	6.0	6.5	11.0	9.0	10.0
25	18.0	16.5	17.5	11.0	9.5	10.0	6.0	5.5	5.5	10.5	8.5	9.5
26	18.0	17.0	17.5	10.5	9.5	10.0	6.0	5.5	5.5	10.0	7.5	8.5
27	17.5	16.5	17.0	13.0	10.5	11.5	6.5	5.5	6.0	12.5	10.0	11.5
28	18.0	17.0	18.0	15.0	13.0	14.0	6.5	5.5	6.0	11.0	8.0	9.0
29	17.0	15.0	15.5	15.0	13.5	14.0	6.0	5.5	6.0	9.0	7.5	8.5
30	15.0	13.5	14.0	13.5	10.5	12.0	7.5	5.5	6.0	11.0	9.0	10.0
31	15.0	14.0	14.5	---	---	---	10.0	7.5	8.5	13.0	11.0	12.0
MONTH	23.0	13.5	18.6	18.5	9.0	12.2	14.0	5.5	9.2	14.0	4.5	8.9

## SAVANNAH RIVER BASIN

02197315 UPPER THREE RUNS ABOVE ROAD A AT SAVANNAH RIVER SITE, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	13.0	12.0	12.5	14.0	13.0	13.5	15.0	14.5	14.5	19.0	16.5	17.5
2	12.0	10.5	11.5	14.0	12.5	13.0	15.5	13.0	14.5	18.0	16.0	17.5
3	10.5	7.0	8.5	13.0	12.0	12.5	16.0	13.5	14.5	19.0	17.5	18.0
4	7.0	5.5	6.0	12.5	11.0	12.0	17.0	15.0	16.0	20.5	18.5	19.5
5	5.5	4.5	5.0	13.5	11.5	12.5	18.5	16.5	17.5	21.5	20.0	20.5
6	6.0	4.5	5.0	15.0	13.5	14.0	18.0	14.5	16.5	22.0	21.0	21.5
7	7.0	5.5	6.0	16.0	15.0	15.5	15.0	13.5	14.0	22.0	21.0	21.5
8	9.0	6.5	7.5	15.0	10.5	12.5	15.0	13.0	14.0	22.5	21.5	22.0
9	11.5	9.0	10.0	10.5	8.0	9.0	16.0	14.0	15.0	22.5	21.5	22.0
10	12.0	10.5	11.5	9.5	7.5	8.5	15.0	13.0	14.0	22.5	21.5	22.0
11	12.5	11.5	12.0	10.5	9.0	9.5	15.0	12.5	14.0	22.5	21.5	22.0
12	12.5	10.5	11.5	11.0	9.5	10.0	16.5	14.0	15.0	22.5	21.5	22.0
13	10.5	9.0	9.5	12.0	9.5	10.5	17.0	15.5	16.5	21.5	18.5	19.5
14	10.0	8.5	9.5	13.5	11.0	12.0	19.5	17.0	18.0	18.5	17.0	18.0
15	12.5	10.0	11.0	15.5	13.0	14.0	19.5	19.0	19.0	18.0	17.5	18.0
16	12.5	10.0	11.5	17.0	15.0	15.5	19.0	17.5	18.5	19.0	17.5	18.0
17	10.0	8.0	9.0	16.5	16.0	16.5	18.0	16.0	17.0	20.5	19.0	19.5
18	9.0	7.5	8.5	16.5	15.5	16.0	18.0	16.0	17.0	21.5	20.5	20.5
19	10.0	8.5	9.0	16.0	13.5	15.0	18.0	17.0	17.5	22.5	21.5	22.0
20	12.5	10.0	11.0	13.5	11.0	12.0	20.0	18.0	18.5	23.0	22.0	22.5
21	13.5	12.0	12.5	11.0	10.0	10.5	21.0	18.5	19.5	23.0	22.0	22.5
22	14.0	12.5	13.5	11.0	9.0	10.0	21.5	20.0	20.5	23.0	22.5	22.5
23	14.5	14.0	14.0	12.0	9.5	11.0	21.5	20.5	21.0	23.0	22.5	22.5
24	15.5	14.0	14.5	13.5	10.5	12.0	21.0	19.0	20.0	23.0	22.5	22.5
25	15.0	13.0	14.0	14.0	12.5	13.0	19.0	17.0	18.0	23.0	22.0	22.5
26	15.0	12.5	13.5	16.0	13.5	14.5	18.5	18.0	18.0	22.5	21.0	21.5
27	16.0	14.0	15.0	15.5	14.0	15.0	19.5	18.0	18.5	22.5	21.5	22.0
28	15.5	15.5	15.5	14.0	11.5	12.5	19.5	17.5	18.5	22.5	21.5	22.0
29	15.5	14.0	14.5	13.0	11.0	12.0	19.5	19.0	19.0	22.0	21.0	21.5
30	---	---	---	14.0	13.0	13.5	19.5	19.0	19.5	22.0	20.5	21.5
31	---	---	---	14.5	13.5	14.0	---	---	---	20.5	19.5	20.0
MONTH	16.0	4.5	10.8	17.0	7.5	12.6	21.5	12.5	17.1	23.0	16.0	20.8
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	19.5	18.0	18.5	22.5	21.5	22.0	23.5	23.0	23.0	22.0	21.0	21.5
2	19.5	18.0	18.5	23.5	22.0	22.5	23.5	22.5	23.0	21.5	21.0	21.5
3	19.5	18.5	19.0	24.0	23.0	23.5	23.5	23.0	23.0	22.0	21.5	21.5
4	19.5	18.5	19.0	23.5	22.5	23.0	23.5	22.5	23.0	22.5	22.0	22.0
5	20.0	19.5	19.5	23.0	21.0	22.0	24.0	23.0	23.5	22.5	22.0	22.5
6	20.5	19.0	20.0	22.0	21.0	21.5	24.0	23.0	23.5	23.5	22.0	22.5
7	21.0	20.0	20.5	22.5	21.5	22.0	24.0	23.0	23.5	23.0	22.5	23.0
8	21.5	20.5	21.0	23.0	22.5	22.5	23.5	23.0	23.5	23.0	22.5	23.0
9	22.0	21.0	21.5	23.0	22.5	22.5	23.5	22.5	23.0	23.0	22.5	22.5
10	22.5	21.5	22.0	23.5	22.5	23.0	23.0	22.5	22.5	23.0	22.5	22.5
11	22.5	22.0	22.0	23.5	23.0	23.0	23.0	22.5	22.5	23.0	22.5	22.5
12	22.5	21.5	22.0	23.0	22.0	22.5	23.0	22.0	22.5	22.5	22.0	22.5
13	22.0	21.0	21.5	22.5	21.5	22.0	23.0	22.5	23.0	22.5	21.5	22.0
14	22.0	21.5	22.0	22.5	21.5	22.0	23.0	22.0	22.5	21.5	20.0	20.5
15	22.5	21.5	22.0	23.0	22.0	22.5	22.5	21.5	22.0	20.0	19.0	19.5
16	22.5	21.5	22.0	---	---	---	22.5	21.5	22.0	20.0	19.0	19.5
17	22.5	21.5	22.0	24.0	22.5	23.0	22.5	21.5	22.0	21.5	20.0	20.5
18	22.5	21.5	22.0	24.5	23.0	23.5	23.0	22.0	22.5	21.5	21.0	21.0
19	22.0	21.5	22.0	24.5	23.5	24.0	23.0	22.0	22.5	21.0	19.5	20.0
20	22.5	21.5	22.0	24.5	23.5	24.0	23.0	22.0	22.5	19.5	18.5	19.0
21	23.0	22.0	22.5	24.5	23.5	24.0	23.0	22.0	22.5	19.0	18.0	18.5
22	23.5	22.5	23.0	24.5	23.5	24.0	22.5	21.5	22.0	20.0	19.0	19.0
23	24.0	22.5	23.5	24.5	23.5	24.0	22.0	21.5	22.0	20.0	19.0	19.5
24	24.0	23.0	23.5	24.5	23.5	24.0	22.0	21.5	22.0	20.0	19.0	19.5
25	24.0	23.0	23.5	24.5	24.0	24.0	22.5	22.0	22.5	20.0	19.0	19.5
26	23.5	23.0	23.5	24.0	23.0	23.5	22.5	22.0	22.5	20.5	19.5	20.0
27	23.5	23.0	23.5	23.5	23.0	23.5	22.5	22.0	22.5	21.0	20.0	20.5
28	23.5	22.0	22.5	23.5	23.0	23.0	22.5	22.0	22.5	21.0	20.5	21.0
29	22.5	21.0	21.5	23.5	22.5	23.0	22.5	22.0	22.0	21.0	20.5	21.0
30	22.0	21.0	21.5	24.0	22.5	23.0	22.5	22.0	22.0	20.5	19.5	20.0
31	---	---	---	24.0	23.0	23.5	22.0	21.5	21.5	---	---	---
MONTH	24.0	18.0	21.6	24.5	21.0	23.0	24.0	21.5	22.6	23.5	18.0	20.9
YEAR	24.5	4.5	16.6									



## 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 0.5 mi downstream from Upper Three Runs, 15.2 mi upstream from Steel Creek, 6.2 mi south of Jackson and at mile 156.8.

DRAINAGE AREA.--7,800 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--October 1971 to current year, discharge below 22,000 ft<sup>3</sup>/s only.

GAGE.--Data collection platform. Datum of gage is 77.00 ft above sea level.

REMARKS.--Records good. Water is diverted above and below gage by Savannah River Site with the volume diverted varying from day to day. Flow regulated by Hartwell Lake (see sta. 02187250), Richard B. Russell Lake (see sta. 02189004), Thurmond Lake (see sta. 02194500), and affected to some degree by Savannah River Site operations. At times of high flow, bankfull capacity is exceeded in the intervening channel reach, therefore, daily mean discharges greater than 22,000 ft<sup>3</sup>/s are not shown for Nov. 18 - 22, Feb. 5 - 24, Mar. 11 - 18, 22 - 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9590	8820	20000	8670	17900	17300	14900	14400	13000	8200	8930	6740
2	8040	9920	19600	8960	19000	17400	14200	18000	10400	8550	8470	5870
3	7180	9940	16200	10600	19600	15400	15800	17500	8190	8660	7910	6940
4	10100	10500	11900	11500	19500	11200	16500	12600	8960	7500	6980	7790
5	11400	8540	14100	11300	---	10900	16500	10100	10500	7090	6570	9060
6	11400	9790	16800	11200	---	11400	16300	11100	10100	7670	7990	9710
7	11200	10600	18100	9770	---	13000	14200	15200	9670	8090	8350	9790
8	9320	12000	19000	6800	---	17300	11000	13000	9390	7090	9190	8150
9	7420	13700	19400	10600	---	20500	13800	8450	9710	7790	8920	6890
10	6430	15900	17600	11600	---	21800	16000	7840	7240	7260	8780	12800
11	7720	16600	14200	9760	---	---	16500	6630	7640	7230	8090	12700
12	7700	17300	15100	8320	---	---	16700	6790	9530	7320	6940	10300
13	8760	18500	16500	8330	---	---	16700	6600	10200	7250	7340	8930
14	9480	19400	16900	7820	---	---	14500	6310	11400	6900	8380	8000
15	8870	20100	17200	8750	---	---	10500	7290	13500	7740	8300	7470
16	8160	21100	16900	6730	---	---	10400	6250	12300	8140	7930	6670
17	8640	21700	14400	7250	---	---	10700	5730	9580	6970	7400	7010
18	10700	---	10900	7300	---	---	10400	7900	11200	7540	6350	7430
19	12900	---	11300	5970	---	21800	9830	9840	13000	6550	6180	7810
20	16300	---	13000	7460	---	21600	9180	9420	13200	8100	7720	7830
21	17400	---	14300	9340	---	21600	7720	9350	14300	8340	9120	7080
22	16800	---	13200	8990	---	---	7640	8710	14900	6440	9310	6950
23	17000	21200	11500	7570	---	---	8490	7770	12600	6190	9110	6260
24	16900	20700	9910	8160	---	---	9160	8410	9800	6990	8750	6970
25	17400	20500	9180	7790	17900	---	8590	9060	10200	6220	7790	8320
26	16200	20400	8910	8830	14000	---	7630	8470	11100	7980	6660	8130
27	14900	20400	10400	9410	14800	---	7130	7050	10500	6590	7960	8080
28	13400	20400	10600	9660	16200	---	7020	7860	10100	6380	9170	8260
29	11100	20300	10600	13500	16900	21200	7110	11800	9810	5820	9220	7260
30	9510	20100	10600	14800	---	20800	9560	14900	9260	8430	8630	6300
31	7940	---	10100	16800	---	18800	---	13900	---	8610	8550	---
TOTAL	349860	---	438400	293540	---	---	354660	308230	321280	229630	250990	241500
MEAN	11290	---	14140	9469	---	---	11820	9943	10710	7407	8096	8050
MAX	17400	---	20000	16800	---	---	16700	18000	14900	8660	9310	12800
MIN	6430	---	8910	5970	---	---	7020	5730	7240	5820	6180	5870
CFSM	1.45	---	1.81	1.21	---	---	1.52	1.27	1.37	.95	1.04	1.03
IN.	1.67	---	2.09	1.40	---	---	1.69	1.47	1.53	1.10	1.20	1.15

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

	MEAN	7722	7705	9312	10490	11300	9092	8936	8279	8287	7334	7671	7455
MAX	14280	14570	16880	16960	19630	13760	14560	13930	16820	11430	16510	11270	
(WY)	1990	1976	1990	1974	1996	1977	1984	1975	1979	1991	1991	1994	
MIN	4859	4563	4750	5162	5833	5728	5461	4720	4560	4530	4628	5423	
(WY)	1987	1982	1989	1989	1989	1988	1988	1988	1988	1988	1988	1988	

## SUMMARY STATISTICS

## FOR 1996 WATER YEAR

## WATER YEARS 1972 - 1996

LOWEST DAILY MEAN	5730	May 17	3220	Dec 9 1981
ANNUAL SEVEN-DAY MINIMUM	6510	May 11	3770	Dec 4 1981
INSTANTANEOUS PEAK FLOW	Unknown	Mar 16	Unknown	Apr 11 1983
INSTANTANEOUS PEAK STAGE	18.86	Mar 16	21.57	Apr 11 1983

## SAVANNAH RIVER BASIN

02197321 X-004 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°12'37'', long 81°45'38'', Aiken County, Hydrologic Unit 03060106, on right downstream headwall of culvert, 100 ft southwest of TNX-Area, 800 ft upstream from mouth, 1500 ft west of SRS Road A-4.7 (River Road), at Savannah River Site.

PERIOD OF RECORD.--December 1983 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 110 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges, Oct. 14, Nov. 7, 11, Dec. 6, 7, 9, 19, 31, Jan. 27, Feb. 28, Mar. 7, 13 - 15, 27, 31, Apr. 17 - 23, 29, May 7, 28, June 4, 8, 10 - 12, 21, July 5, 14, 15, 25, 31, Aug. 1, 11, 24, Sept. 4, 10, 16, 28. Records poor. Flow regulated by Savannah River Site Operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.02	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
2	.02	.02	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00
3	.02	.03	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
4	.02	.02	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
5	.03	.02	.01	.02	.00	.00	.00	.00	.00	.01	.00	.00
6	.03	.03	.01	.02	.00	.02	.00	.00	.00	.00	.00	.00
7	.03	.03	.02	.03	.00	.01	.00	.00	.00	.00	.00	.00
8	.03	.05	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
9	.03	.02	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
10	.03	.02	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00
11	.03	.05	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
12	.03	.03	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
13	.03	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.03	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.02	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.02	.02	.02	.00	.00	.01	.00	.00	.00	.00	.00	.00
17	.02	.02	.02	.00	.00	.01	.00	.00	.00	.00	.00	.00
18	.02	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.01	.02	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.01	.01	.02	.00	.01	.00	.00	.00	.00	.00	.00	.00
21	.01	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.01	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.01	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.01	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00
25	.01	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.01	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.02	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.02	.01	.02	.00	.01	.01	.00	.00	.00	.00	.00	.00
29	.02	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
30	.02	.01	.02	.00	---	.00	.01	.00	.00	.00	.00	.00
31	.02	---	.02	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.64	0.56	0.59	0.24	0.03	0.06	0.01	0.00	0.00	0.01	0.00	0.00
MEAN	.021	.019	.019	.008	.001	.002	.000	.000	.000	.000	.000	.000
MAX	.03	.05	.05	.03	.01	.02	.01	.00	.00	.01	.00	.00
MIN	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00

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

	MEAN	.057	.073	.064	.059	.064	.080	.066	.067	.066	.057	.052	.054
MAX	.13	.18	.11	.11	.18	.23	.16	.16	.16	.19	.13	.10	.12
(WY)	1988	1994	1989	1995	1988	1988	1988	1988	1988	1988	1988	1988	1988
MIN	.021	.010	.019	.008	.001	.002	.000	.000	.000	.000	.000	.000	.000
(WY)	1996	1985	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1984 - 1996

ANNUAL TOTAL	13.47	2.14	
ANNUAL MEAN	.037	.006	.064
HIGHEST ANNUAL MEAN			.14
LOWEST ANNUAL MEAN			.006
HIGHEST DAILY MEAN	.25 Jan 22	.05 Nov 8	.73 ** Dec 4 1993
LOWEST DAILY MEAN	.00 Jun 9	.00 *** Nov 21	.00 ** Jun 9 1995
ANNUAL SEVEN-DAY MINIMUM	.00 Aug 9	.00 *** Jan 13	.00 Aug 9 1995
INSTANTANEOUS PEAK FLOW		Unknown Jun 8	Unknown Apr 6 1988
INSTANTANEOUS PEAK STAGE		1.50 Jun 8	1.73 Apr 6 1988
10 PERCENT EXCEEDS	.06	.02	.11
50 PERCENT EXCEEDS	.03	.00	.05
90 PERCENT EXCEEDS	.01	.00	.01

\* Also occurred on Dec. 5, 1993.

\*\* Also occurred on many days in July and August, 1995 and most of 1996.

\*\*\* Also occurred during most of 1996.

## SAVANNAH RIVER BASIN

02197323 D-006 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°12'12'', Long 81°44'38'', Barnwell County, Hydrologic Unit 03060106, on upstream side of culvert, on the west side of D-Area, 1.0 mi south of intersection of SRS Roads 3 and A-4, at Savannah River Site.

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

GAGE.--Data collection platform. Elevation of gage is 120 ft above sea level (from topographic map). Prior to Nov. 9, 1990, at site 200 ft downstream at different datum.

REMARKS.--Estimated daily discharges, Oct. 27, Nov. 7, Dec. 7, 19, Jan. 27, Feb. 28, Mar. 7, 17, 28, May 7, June 8, July 5, 31, Aug. 1, 24, 25, Sept. 10. Records fair. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	2.4	2.5	3.0	2.7	2.3	2.3	1.4	1.8	2.0	4.8	2.0
2	2.3	2.4	2.5	2.7	3.1	2.2	1.8	1.4	1.8	2.0	2.4	2.2
3	2.2	2.4	2.5	2.6	2.7	2.2	1.7	1.4	1.9	2.0	2.1	2.0
4	2.2	2.3	2.4	2.5	2.6	2.2	1.7	1.4	2.0	2.1	2.1	2.3
5	2.2	2.3	2.5	2.5	2.5	1.9	1.7	1.3	1.9	4.5	2.1	2.1
6	2.2	2.3	2.6	2.5	2.5	2.6	1.8	1.6	1.8	2.1	2.1	2.0
7	2.3	3.8	4.1	2.7	2.6	4.8	1.7	2.3	1.8	1.9	2.0	2.0
8	2.2	2.4	2.5	2.5	2.6	1.9	1.7	2.0	3.5	2.0	2.1	1.9
9	2.2	2.3	3.1	2.5	2.5	1.8	1.6	1.9	2.0	2.0	2.1	1.9
10	2.2	2.3	2.5	2.5	2.5	1.7	1.6	1.9	2.0	2.0	2.1	2.8
11	2.2	2.7	2.5	2.5	2.5	1.7	1.6	1.9	2.2	2.0	2.1	2.1
12	2.3	2.3	2.5	2.6	2.4	1.7	1.6	1.9	2.1	2.0	2.1	1.9
13	2.3	2.3	2.5	2.5	2.4	1.7	1.5	1.9	2.1	2.0	2.2	1.9
14	2.6	2.2	2.5	2.5	2.4	1.6	1.5	1.9	2.1	2.1	2.1	2.0
15	2.3	2.3	2.5	2.5	2.4	2.3	1.5	1.9	2.0	2.2	2.0	1.9
16	2.3	2.3	2.6	2.5	2.4	2.4	1.5	1.9	1.9	2.1	1.9	2.0
17	2.3	2.3	2.5	2.6	2.5	4.1	1.5	1.9	2.0	2.2	1.9	2.0
18	2.2	2.3	2.5	2.7	2.4	2.3	1.4	1.9	2.0	2.1	1.9	2.0
19	2.3	2.3	5.6	2.7	2.4	2.0	1.5	1.8	2.0	2.2	2.0	2.0
20	2.2	2.3	2.7	2.5	2.6	1.8	1.5	1.8	2.0	2.2	1.9	2.0
21	2.2	2.3	2.5	2.4	2.4	1.8	1.5	1.8	2.0	2.2	1.9	2.0
22	2.2	2.3	2.6	2.5	2.4	1.7	1.4	1.8	2.0	2.2	2.0	2.0
23	2.2	2.3	2.5	2.6	2.3	1.7	1.5	1.8	2.0	2.1	2.0	2.0
24	2.3	2.3	2.5	2.8	2.3	1.7	1.3	1.9	2.0	2.2	2.4	2.1
25	2.3	2.3	2.6	2.6	2.3	1.7	1.4	1.9	2.0	2.3	3.7	2.1
26	2.2	2.3	2.5	2.6	2.3	1.7	1.4	1.8	2.1	2.0	2.1	2.1
27	2.9	2.3	2.5	4.1	2.3	2.0	1.4	1.8	2.0	2.0	2.1	2.1
28	2.7	2.4	2.5	2.7	3.7	4.0	1.4	2.2	1.9	2.1	2.1	2.2
29	2.3	2.4	2.5	2.7	2.4	2.0	1.6	1.9	2.0	2.1	2.0	2.3
30	2.3	2.4	2.5	2.7	---	1.9	2.0	1.8	2.1	2.0	2.0	2.2
31	2.3	---	2.8	2.8	---	2.2	---	1.8	---	3.3	2.0	---
TOTAL	71.2	71.5	83.6	82.1	73.1	67.6	47.6	55.9	61.0	68.1	68.3	62.1
MEAN	2.30	2.38	2.70	2.65	2.52	2.18	1.59	1.80	2.03	2.20	2.20	2.07
MAX	2.9	3.8	5.6	4.1	3.7	4.8	2.3	2.3	3.5	4.5	4.8	2.8
MIN	2.2	2.2	2.4	2.4	2.3	1.6	1.3	1.3	1.8	1.9	1.9	1.9

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

	1990	1993	1995	1993	1993	1993	1993	1993	1993	1991	1991	1984
MEAN	2.70	2.69	2.53	2.78	2.66	2.72	2.26	2.02	2.27	2.52	2.56	2.50
MAX	3.88	3.54	3.36	5.30	5.19	6.00	4.07	3.19	4.04	4.04	3.45	3.10
(WY)	1990	1993	1995	1993	1993	1993	1993	1993	1993	1991	1991	1984
MIN	1.64	1.93	1.80	1.53	1.55	.78	.56	.96	.94	1.69	1.96	1.75
(WY)	1988	1992	1987	1989	1989	1992	1992	1986	1991	1990	1987	1987

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1984 - 1996

ANNUAL TOTAL	1029.5	812.1	
ANNUAL MEAN	2.82	2.22	2.52
HIGHEST ANNUAL MEAN			3.82
LOWEST ANNUAL MEAN			1.98
HIGHEST DAILY MEAN	17	Dec 19	17
LOWEST DAILY MEAN	1.1	May 26	.19
ANNUAL SEVEN-DAY MINIMUM	1.6	Jul 4	.39
INSTANTANEOUS PEAK FLOW			Unknown
INSTANTANEOUS PEAK STAGE			3.73
10 PERCENT EXCEEDS	3.5	2.6	3.4
50 PERCENT EXCEEDS	2.5	2.2	2.5
90 PERCENT EXCEEDS	2.2	1.7	1.5

\* Also occurred on May 5.

## SAVANNAH RIVER BASIN

02197323 D-006 AT SAVANNAH RIVER SITE, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1987 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 31.0°C, Aug. 21, 1990; minimum, 0.5°C, Mar. 15, 1993.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 28.0°C, July 24, 25; minimum, 6.5°C, Feb. 5.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.0	24.0	25.0	24.5	21.5	22.5	17.0	15.5	16.0	14.0	13.0	13.5
2	26.0	24.0	25.0	24.0	23.0	23.5	17.0	15.5	16.0	15.0	14.0	14.5
3	26.5	24.5	25.5	24.0	23.5	23.5	15.5	13.0	14.5	15.0	13.5	14.5
4	27.5	26.5	27.0	23.5	21.5	22.5	15.0	13.0	13.5	13.5	12.0	12.5
5	27.0	26.0	26.5	21.5	19.5	20.5	15.0	14.5	15.0	12.5	11.5	12.0
6	27.0	25.5	26.0	20.0	19.0	19.5	18.0	15.0	17.0	12.5	11.5	12.0
7	27.0	25.5	26.5	20.5	18.5	19.5	17.0	15.5	16.5	12.5	10.5	11.5
8	26.0	25.0	25.5	20.5	19.5	20.0	16.5	15.5	16.0	10.5	9.5	10.0
9	26.5	25.0	25.5	19.5	18.0	18.5	15.5	14.0	15.0	10.5	9.5	10.0
10	26.5	25.5	26.0	18.5	17.0	18.0	15.0	13.0	14.0	10.5	9.5	10.0
11	27.0	26.0	26.5	18.5	18.0	18.5	13.5	12.5	13.0	10.0	9.0	9.5
12	26.0	25.0	25.5	18.5	17.5	18.0	14.0	13.0	13.5	10.0	9.5	10.0
13	27.0	26.0	26.5	17.5	16.5	17.0	15.5	13.5	14.5	10.0	9.0	9.5
14	27.0	25.5	26.5	17.0	16.5	17.0	16.0	14.5	15.0	11.5	9.5	10.5
15	25.5	24.0	24.5	17.0	16.0	16.5	16.5	15.5	16.0	12.0	11.0	11.5
16	24.5	23.5	24.0	16.0	15.0	16.0	17.5	16.0	16.5	13.5	11.5	12.5
17	23.5	22.0	23.0	16.0	15.0	15.5	16.5	16.0	16.5	13.5	13.0	13.0
18	24.0	22.0	23.0	16.5	15.5	16.0	16.5	15.5	16.0	15.5	13.0	14.0
19	24.5	23.0	23.5	17.5	16.0	16.5	16.0	13.5	15.0	15.5	12.5	14.0
20	24.0	22.5	23.5	18.0	16.5	17.0	16.0	13.5	15.0	13.0	11.5	12.0
21	22.5	21.5	22.0	19.0	17.5	18.0	13.5	12.5	13.5	12.5	11.5	11.5
22	22.0	21.0	21.5	18.0	16.0	17.0	12.5	12.0	12.0	11.5	10.0	11.0
23	23.0	21.0	22.0	16.5	15.5	16.0	12.0	11.5	12.0	11.0	9.5	10.5
24	24.0	22.5	23.0	16.5	16.0	16.0	12.0	11.0	11.5	11.5	10.5	11.0
25	26.0	23.5	24.5	16.5	14.5	15.5	11.5	10.5	11.0	11.0	10.0	10.5
26	25.5	24.0	24.5	16.5	14.0	15.5	11.5	11.0	11.0	12.0	10.5	11.0
27	25.5	21.0	24.5	17.0	15.5	16.5	11.5	10.5	11.0	13.0	11.0	12.0
28	25.0	22.0	24.0	18.0	16.5	17.5	11.5	10.5	11.0	11.0	10.0	10.5
29	23.5	21.5	23.0	18.5	18.0	18.0	12.0	10.5	11.0	11.0	10.5	10.5
30	22.5	21.5	22.0	18.0	16.0	17.0	12.5	10.5	11.5	11.5	10.5	11.0
31	22.0	21.5	21.5	---	---	---	13.5	12.5	13.0	12.5	11.0	11.5
MONTH	27.5	21.0	24.4	24.5	14.0	18.1	18.0	10.5	14.0	15.5	9.0	11.5







## SAVANNAH RIVER BASIN

02197324 D-003 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°12'07'', long 81°44'34'', Barnwell County, Hydrologic Unit 03060106, at downstream end of pipe culvert, 60 ft southwest of D-Area, 1.1 mi south of intersection of SRS Roads 3 and A-4, at Savannah River Site.

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

GAGE.--Data collection platform. Elevation of gage is 120 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges, Oct. 14, 27, Nov. 7, Dec. 1, 2, 7, 19, Jan. 27, Mar. 7, May 7, 28, June 8, 14, July 5, 13, 17, 18, 25, 31, Aug. 1, 4, 13, 24, 25, Sept. 10, 28. Records poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.02	.08	.11	.08	.11	.09	.07	.09	.25	.45	.12
2	.00	.01	.08	.10	.13	.11	.09	.07	.09	.26	.14	.15
3	.00	.05	.08	.09	.08	.10	.09	.06	.09	.27	.13	.07
4	.00	.04	.08	.08	.08	.10	.09	.07	.11	.22	.17	.17
5	.00	.04	.08	.09	.07	.10	.08	.07	.11	.50	.13	.10
6	.00	.05	.15	.10	.06	.20	.09	.07	.11	.13	.13	.12
7	.00	.21	.25	.13	.06	.40	.08	.21	.12	.11	.13	.15
8	.00	.07	.10	.10	.06	.10	.08	.09	.27	.11	.12	.18
9	.00	.08	.17	.10	.06	.09	.08	.08	.11	.11	.12	.19
10	.00	.10	.10	.10	.06	.09	.08	.08	.11	.10	.13	.31
11	.00	.17	.10	.10	.07	.09	.08	.08	.13	.10	.18	.11
12	.00	.09	.10	.11	.08	.08	.08	.08	.14	.09	.15	.11
13	.00	.06	.10	.10	.08	.08	.08	.08	.12	.08	.25	.10
14	.01	.05	.10	.10	.08	.09	.08	.08	.19	.13	.18	.01
15	.00	.04	.10	.10	.08	.16	.08	.08	.13	.14	.17	.01
16	.00	.04	.10	.10	.08	.15	.08	.08	.12	.10	.16	.02
17	.00	.04	.10	.10	.10	.23	.08	.08	.13	.11	.16	.01
18	.00	.04	.10	.10	.10	.10	.08	.08	.13	.11	.15	.01
19	.01	.04	.31	.11	.10	.10	.08	.08	.14	.10	.15	.01
20	.01	.04	.10	.10	.13	.09	.09	.08	.15	.12	.14	.01
21	.01	.11	.10	.10	.11	.09	.08	.08	.18	.11	.13	.01
22	.01	.10	.10	.10	.11	.09	.08	.08	.23	.09	.13	.01
23	.01	.10	.10	.10	.10	.09	.07	.08	.23	.08	.12	.01
24	.01	.10	.09	.11	.10	.09	.07	.08	.25	.07	.27	.01
25	.01	.10	.08	.08	.10	.09	.07	.09	.20	.15	.25	.01
26	.01	.09	.08	.08	.10	.09	.08	.08	.20	.11	.14	.01
27	.15	.06	.08	.23	.10	.12	.09	.08	.21	.11	.13	.01
28	.09	.06	.08	.10	.29	.24	.09	.19	.22	.11	.13	.04
29	.07	.08	.09	.09	.12	.09	.13	.09	.23	.15	.14	.03
30	.07	.08	.10	.08	---	.09	.13	.09	.24	.14	.13	.01
31	.04	---	.15	.10	---	.13	---	.09	---	.29	.13	---
TOTAL	0.52	2.16	3.43	3.19	2.77	3.78	2.55	2.70	4.78	4.55	5.04	2.11
MEAN	.017	.072	.11	.10	.096	.12	.085	.087	.16	.15	.16	.070
MAX	.15	.21	.31	.23	.29	.40	.13	.21	.27	.50	.45	.31
MIN	.00	.01	.08	.08	.06	.08	.07	.06	.09	.07	.12	.01

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

MEAN	.12	.12	.14	.11	.10	.091	.086	.090	.11	.11	.14	.13
MAX	.49	.50	.46	.44	.39	.35	.38	.46	.61	.59	.64	.48
(WY)	1994	1994	1993	1994	1994	1994	1994	1994	1994	1994	1994	1994
MIN	.017	.003	.011	.004	.009	.003	.000	.000	.000	.000	.038	.034
(WY)	1996	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1984 - 1996
ANNUAL TOTAL	8.77	37.58	
ANNUAL MEAN	.024	.10	.12
HIGHEST ANNUAL MEAN			.48
LOWEST ANNUAL MEAN			.013
HIGHEST DAILY MEAN	.64 Aug 26	.50 Jul 5	1.2 Jun 27 1994
LOWEST DAILY MEAN	.00 Jan 1	.00 ** Oct 2	.00 * Jun 23 1986
ANNUAL SEVEN-DAY MINIMUM	.00 Jan 16	.00 Oct 2	.00 Jun 25 1986
INSTANTANEOUS PEAK STAGE		4.20 Jul 31	4.95 Oct 1 1989
10 PERCENT EXCEEDS	.09	.18	.29
50 PERCENT EXCEEDS	.00	.09	.07
90 PERCENT EXCEEDS	.00	.01	.02

\* No flow also occurred on many days in June and July 1986, most of 1995, and many days in Oct. 1995.

\*\* Also occurred many other days in Oct.

## SAVANNAH RIVER BASIN

02197326 BEAVERDAM CREEK AT 400-D AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°11'12'', long 81°45'05'', Barnwell County, Hydrologic Unit 03060106, on downstream side of foot bridge near left bank, 1.0 mi downstream from Area 400-D, at Savannah River Site.

DRAINAGE AREA.--0.73 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

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

GAGE.--Data collection platform. Elevation of gage is 110 ft above sea level (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, Oct. 1, 2, 15, 16, Nov. 8, 9, Mar. 7, 8, 26, 27, May 24 - 28, June 28 to July 8, Sept. 11 - 16, which are poor. Flow regulated by Savannah River Site operations 1.0 mile upstream.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	60	66	66	67	67	72	71	65	83	88	89
2	56	61	65	66	68	66	71	70	64	83	91	89
3	55	61	65	67	70	66	71	70	64	84	89	96
4	58	62	64	66	69	65	71	69	64	84	92	104
5	57	63	64	65	69	65	70	68	70	88	93	98
6	56	63	64	64	69	66	71	68	75	85	93	96
7	56	65	68	65	69	70	71	69	72	84	92	89
8	56	64	66	62	68	69	69	69	88	83	92	89
9	57	63	66	65	68	69	67	68	98	83	92	88
10	57	63	65	65	68	69	68	63	97	83	92	90
11	57	64	65	65	68	69	67	63	89	83	93	91
12	58	64	65	65	68	71	67	63	83	83	93	89
13	58	65	64	65	68	69	67	64	84	78	93	87
14	59	64	63	65	68	66	66	64	84	77	93	86
15	60	65	63	65	68	67	66	64	85	79	93	85
16	58	65	64	65	66	68	67	64	84	80	92	89
17	59	64	63	65	66	70	66	63	83	79	91	80
18	61	64	62	65	66	68	66	64	88	78	91	79
19	60	64	67	65	66	68	66	65	83	78	91	78
20	60	64	65	65	69	67	66	65	83	78	91	77
21	60	63	65	65	67	67	66	65	83	79	91	75
22	60	62	65	65	68	67	66	66	88	78	91	74
23	60	61	64	66	84	67	65	66	97	78	91	64
24	60	62	64	67	74	67	66	66	96	78	90	56
25	60	62	64	66	75	68	66	67	90	78	92	56
26	60	62	65	66	75	69	66	67	83	79	89	56
27	60	61	66	67	74	69	66	66	83	79	89	56
28	61	61	66	65	82	73	66	68	82	78	90	56
29	60	62	66	66	67	73	67	65	82	78	90	57
30	60	65	66	66	---	72	71	65	83	79	90	56
31	60	---	66	66	---	72	---	65	---	81	90	---
TOTAL	1816	1889	2011	2026	2024	2119	2030	2050	2470	2498	2828	2375
MEAN	58.6	63.0	64.9	65.4	69.8	68.4	67.7	66.1	82.3	80.6	91.2	79.2
MAX	61	65	68	67	84	73	72	71	98	88	93	104
MIN	55	60	62	62	66	65	65	63	64	77	88	56

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1996, BY WATER YEAR (WY)

	MEAN	82.3	78.1	75.7	72.2	73.8	77.3	78.9	80.3	86.1	92.4	92.8	88.6
MAX	100	101	97.7	94.8	98.1	101	100	107	109	113	116	107	
(WY)	1987	1986	1983	1983	1983	1982	1983	1976	1975	1974	1991	1975	
MIN	58.6	58.5	62.7	24.4	56.5	58.6	59.6	55.8	59.3	68.9	68.7	60.8	
(WY)	1996	1977	1990	1975	1978	1992	1990	1990	1988	1989	1992	1992	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1974 - 1996

ANNUAL TOTAL	25741	26136		
ANNUAL MEAN	70.5	71.4		
HIGHEST ANNUAL MEAN			81.0	
LOWEST ANNUAL MEAN			92.7	1991
HIGHEST DAILY MEAN	92	Aug 26	66.6	1989
LOWEST DAILY MEAN	55	Oct 3	130	Jun 21 1985
ANNUAL SEVEN-DAY MINIMUM	56	Oct 2	14	Jan 23 1975
INSTANTANEOUS PEAK FLOW			16	Jan 14 1975
INSTANTANEOUS PEAK STAGE			224	Jun 29 1984
10 PERCENT EXCEEDS	86		2.25	Feb 28
50 PERCENT EXCEEDS	69		3.38	Jun 29 1984
90 PERCENT EXCEEDS	61		102	
			83	
			62	

## SAVANNAH RIVER BASIN

02197326 BEAVERDAM CREEK AT 400-D AT SAVANNAH RIVER SITE, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1987 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 34.5°C, June 2, 1988; minimum, 7.5°C, Feb. 5, 6, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 29.5°C, Oct. 4, 6, 11, July 24, 25; minimum, 7.5°C, Feb. 5, 6.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	25.5	23.5	24.5	18.5	17.5	18.0	15.5	14.5	15.0
2	---	---	---	26.0	24.5	25.0	19.0	17.0	18.0	16.5	15.5	16.0
3	28.5	26.5	27.5	25.5	25.0	25.0	17.5	16.0	16.5	16.5	14.5	15.5
4	29.5	28.5	29.0	25.0	23.5	24.5	17.5	16.0	17.0	14.5	13.0	14.0
5	29.0	28.5	28.5	23.5	21.0	22.0	18.0	17.5	17.5	13.5	12.5	13.0
6	29.5	28.0	28.5	22.0	21.0	21.5	19.5	17.0	18.5	13.5	12.5	13.0
7	29.0	28.0	28.5	22.0	21.0	21.5	19.0	18.0	18.5	13.5	11.0	12.0
8	28.5	27.0	28.0	---	---	---	18.0	17.0	17.5	11.0	10.0	10.5
9	29.0	27.5	28.5	---	---	---	17.0	16.0	16.5	11.0	9.5	10.0
10	29.0	28.0	28.5	20.5	18.5	19.5	16.0	14.0	15.5	11.5	9.0	10.5
11	29.5	28.0	28.5	20.5	19.5	20.0	14.5	13.5	14.0	10.0	8.5	9.5
12	28.0	27.0	27.5	20.5	19.5	20.0	15.0	14.0	14.5	10.5	9.5	10.0
13	28.5	28.0	28.0	19.5	18.5	19.0	17.0	14.5	16.0	10.0	9.5	10.0
14	---	---	---	19.0	18.5	18.5	17.5	15.5	16.5	12.5	10.0	11.5
15	---	---	---	19.0	18.0	18.5	18.0	17.0	17.5	15.0	12.0	13.0
16	---	---	---	18.0	16.5	17.5	18.5	17.5	18.0	15.5	14.5	15.0
17	27.0	25.0	25.5	17.5	17.0	17.0	17.5	17.0	17.5	15.5	13.5	14.5
18	26.5	24.5	25.5	18.0	17.0	17.5	17.0	16.5	17.0	18.0	14.5	15.5
19	27.0	25.5	26.5	19.0	17.5	18.5	17.0	15.0	16.5	18.0	13.5	15.5
20	27.0	25.5	26.0	20.0	18.5	19.0	17.0	14.5	16.0	15.0	13.0	14.0
21	25.5	24.5	25.0	21.5	19.5	20.5	15.0	13.5	14.5	14.0	12.5	13.0
22	26.0	24.5	25.0	20.5	18.0	19.0	13.5	13.0	13.5	13.5	11.5	12.5
23	26.5	25.0	26.0	18.5	17.0	17.5	13.0	12.5	13.0	12.5	10.5	11.5
24	27.5	26.5	27.0	18.0	17.0	17.5	12.5	12.0	12.5	12.5	11.5	12.0
25	29.0	27.5	28.0	17.5	15.0	16.5	13.5	11.5	12.5	12.5	11.0	11.5
26	28.0	27.0	27.5	18.0	14.5	16.5	13.5	11.5	12.5	13.0	11.5	12.0
27	27.5	26.5	27.0	19.0	17.5	18.0	13.0	11.5	12.0	13.5	11.5	13.0
28	27.0	26.0	26.5	20.0	18.5	19.5	12.5	11.5	12.0	12.5	11.0	12.0
29	26.0	23.5	25.0	20.0	19.5	20.0	13.0	11.5	12.0	12.0	11.5	12.0
30	25.0	23.5	24.0	19.5	18.5	19.0	14.0	11.5	12.5	12.5	11.5	12.0
31	24.5	23.0	23.5	---	---	---	14.5	13.5	14.0	13.5	12.0	12.5
MONTH	29.5	23.0	26.9	26.0	14.5	19.7	19.5	11.5	15.4	18.0	8.5	12.6



## SAVANNAH RIVER BASIN

02197330 SITE NO. 1 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°17'00'', long 81°39'00'', Aiken County, Hydrologic Unit 03060106, at wooden walk bridge 100 ft above Road E, 2,000 ft southwest of H-Area, at Savannah River Site.

DRAINAGE AREA.--0.13 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Data collection platform. Elevation of gage is 260 ft above sea level (from topographic map). Prior to Nov. 14, 1994, at site 150 ft upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, Oct. 27, Nov. 7, Dec. 7 - 14, Mar. 7 - 14, May 26, 28, Aug. 1, 4, 13 - 22, 24, Sept. 10, 27 - 30, which are poor. Flow completely regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.37	.44	.23	.49	.23	.21	.31	.40	1.6	.67	1.1	1.1
2	.43	.66	.23	.23	.80	.20	.38	.43	.87	.56	.23	.28
3	.36	.71	.39	.23	.25	.44	.15	.42	.32	.58	.42	.21
4	.63	.69	.21	.49	.50	.24	.39	.14	.36	.81	.93	.51
5	.42	.72	.21	.23	.23	.32	.58	.37	.38	1.6	.42	.25
6	.37	.71	.39	.50	.21	.77	.44	.36	.75	.41	.17	.41
7	.60	1.2	1.2	.38	.20	.85	.38	.38	.61	.14	.37	.18
8	.41	.51	.73	.23	.18	.65	.42	.14	1.8	.43	.49	.23
9	.44	.51	1.3	.23	.48	.50	.18	.40	.78	.11	1.9	.51
10	.22	.51	.52	.46	.43	.37	.41	.14	.43	.84	1.2	.70
11	.18	.92	.26	.23	.26	.43	.18	1.4	.43	.14	.61	.27
12	.64	.52	.23	.27	.24	.39	.12	1.8	.61	.10	.22	.22
13	.39	.81	.23	.18	.23	.40	.61	1.6	.23	.28	.55	.22
14	1.1	.35	.24	.43	.23	.42	.19	1.5	.83	.62	.30	1.1
15	.39	.29	.23	.47	.23	.56	.41	1.2	1.6	.60	.16	.90
16	.59	.44	.23	.21	.46	.62	.39	1.6	.91	.14	.18	.67
17	.60	.29	1.3	.23	.43	1.1	.17	1.4	.45	.57	.15	.18
18	.37	.26	2.5	.21	.20	.39	.39	1.2	.34	.44	.27	.74
19	.58	.23	1.8	.23	.21	.18	.15	.39	.62	.26	.17	.30
20	.33	.27	.53	.18	.43	.17	.37	.36	.90	.27	.15	.23
21	.58	.25	.52	.18	.35	.16	.35	.13	.74	.07	.12	.44
22	.58	.41	.23	.47	.34	.35	.39	.53	.88	.05	.14	.61
23	.62	.29	.35	.22	.18	.31	.41	.74	.60	.39	.16	.57
24	.37	.33	.35	.49	.41	.15	.36	.99	.46	.06	.70	.60
25	.84	.29	.48	.45	.32	.15	.40	.91	.08	.61	.93	.91
26	1.3	.29	.22	.21	.19	.32	.39	1.1	.28	.53	.22	1.4
27	1.1	.54	.21	1.3	.35	.99	1.5	.52	.09	.56	.49	.32
28	.90	.23	.41	.23	.63	1.4	.98	.36	.08	.55	.21	.35
29	.63	.55	.18	.48	.44	.39	.75	.09	.36	.22	.22	.60
30	.51	.28	.19	.24	---	.71	.44	.10	.55	.47	.21	.42
31	.68	---	.63	1.2	---	.91	---	.31	---	.83	1.5	---
TOTAL	17.53	14.50	16.73	11.58	9.64	15.05	12.59	21.41	18.94	13.91	14.89	15.43
MEAN	.57	.48	.54	.37	.33	.49	.42	.69	.63	.45	.48	.51
MAX	1.3	1.2	2.5	1.3	.80	1.4	1.5	1.8	1.8	1.6	1.9	1.4
MIN	.18	.23	.18	.18	.18	.15	.12	.09	.08	.05	.12	.18

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1996, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	1.13	1.11	1.22	1.30	1.25	1.15	1.13	1.10	1.13	1.11	1.18	1.12	1.17	1.13	1.11	1.18	1.12	1.17	1.13	1.12	1.17	1.11	1.18	1.12
MAX	2.32	1.69	1.72	2.97	2.31	2.29	1.87	1.77	1.79	1.81	1.97	2.27	2.32	1.87	1.81	1.97	2.27	2.32	1.87	1.81	1.97	2.27	2.32	1.87
(WY)	1975	1981	1982	1978	1980	1980	1975	1977	1976	1976	1974	1979	1979	1975	1976	1974	1979	1979	1975	1976	1974	1979	1979	1975
MIN	.31	.41	.54	.37	.33	.49	.42	.50	.54	.45	.43	.23	.31	.41	.54	.37	.33	.49	.42	.50	.54	.45	.43	.23
(WY)	1992	1992	1996	1996	1996	1996	1996	1993	1988	1996	1993	1992	1992	1992	1996	1993	1992	1992	1996	1993	1992	1992	1996	1992

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1973 - 1996

ANNUAL TOTAL	271.32	182.20	
ANNUAL MEAN	.74	.50	1.15
HIGHEST ANNUAL MEAN			1.63
LOWEST ANNUAL MEAN			.50
HIGHEST DAILY MEAN	5.0 Jun 5	2.5 Dec 18	25 Jan 25 1978
LOWEST DAILY MEAN	.15 *Sep 16	.05 Jul 22	.02 Sep 26 1992
ANNUAL SEVEN-DAY MINIMUM	.23 Sep 11	.17 Aug 17	.11 Sep 25 1992
INSTANTANEOUS PEAK FLOW		Unknown Aug 4	Unknown Jun 24 1995
INSTANTANEOUS PEAK STAGE		3.19 Aug 4	7.82 Jan 19 1978
10 PERCENT EXCEEDS	1.3	.98	1.8
50 PERCENT EXCEEDS	.62	.40	1.1
90 PERCENT EXCEEDS	.23	.18	.46

\* Also occurred on Sept. 17, 20, 21.



## SAVANNAH RIVER BASIN

021973305 HP-52 OUTFALL AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°16'56'', long 81°38'26'', Barnwell County, Hydrologic Unit 03060106, 75 ft downstream of culvert, 400 ft south of SRS Road E, and 700 ft south of H-Area, at Savannah River Site.

PERIOD OF RECORD.--October 1984 to September 1996 (discontinued).

GAGE.--Data collection platform. Datum of gage is 270.21 ft above sea level.

REMARKS.--Estimated daily discharges, Oct. 14, 27, Nov. 7, 29, 30, Dec. 7, 9, 19, 31, Jan. 27, Mar. 7, 25, 26, Apr. 29, May 26, 28, June 8, 12, July 15, 25, 31, Aug. 1, 4, 8, 13, 24, Sept. 10, 23, 24 - 28. Records poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.87	.76	2.5	2.2	1.3	2.9	.67	.91	.84	1.5	1.6	.64
2	.87	.76	2.4	2.2	1.8	2.8	.65	.90	.70	1.5	.72	.67
3	.87	.79	2.4	2.2	1.9	2.8	.73	.90	.60	1.5	.70	.67
4	.90	.99	2.4	2.2	2.0	2.9	.65	1.1	.61	1.5	.87	.90
5	.90	1.1	2.3	1.9	2.5	2.7	.74	.99	.58	2.1	.78	.89
6	.90	1.2	2.5	1.5	2.2	2.4	.82	.83	.60	1.6	.74	.90
7	.90	1.5	3.7	1.6	2.7	1.3	.78	.84	.60	1.5	.64	1.1
8	.90	1.2	3.1	1.6	3.0	.93	.78	.84	.78	1.5	.53	.89
9	.90	1.1	3.6	1.8	2.8	1.4	.78	.83	1.3	1.5	.56	.73
10	.87	.96	4.0	1.9	3.5	1.4	.80	.84	1.3	1.5	.57	.90
11	.85	.99	4.0	2.0	3.9	2.0	.78	.86	1.0	1.6	.75	.76
12	.83	.89	3.9	2.1	3.0	2.0	.79	.87	.98	1.7	.64	.79
13	.85	.89	4.0	2.1	2.9	1.3	.75	.87	.89	1.5	.70	.79
14	.95	.89	3.1	2.0	3.0	.95	.78	1.0	.88	1.3	.63	.79
15	.78	.86	2.9	2.0	3.0	1.1	1.0	1.1	.84	.85	.62	.80
16	.75	.87	3.3	1.6	3.2	.73	.85	.81	.70	.85	.81	1.1
17	.75	.89	2.5	1.7	3.1	.84	.85	.64	1.2	1.1	.72	.93
18	.76	.87	1.9	1.7	2.9	.67	.85	.61	1.6	.93	.61	1.2
19	.76	.89	2.4	1.6	2.7	.68	.86	.65	.76	.80	.57	.99
20	.76	.86	2.0	1.1	2.7	.66	.86	.62	.97	.88	.58	.68
21	.76	.76	2.0	1.2	2.7	.68	.87	.64	.99	.88	.57	.94
22	.76	.79	2.0	1.2	2.7	.67	.88	.59	1.4	.88	.60	.72
23	.76	.78	1.7	1.2	2.3	.68	.85	.59	1.3	1.0	.60	.53
24	.76	.85	1.9	1.3	2.8	.68	.86	.70	1.5	.88	.66	.35
25	.76	.84	2.1	1.2	3.1	.70	.85	.83	1.2	1.1	.63	.30
26	.76	.81	2.2	1.3	3.0	.70	.89	.82	.90	.90	.56	.40
27	.90	1.1	2.2	1.7	2.9	.86	.87	.80	1.0	.90	.59	.50
28	.78	1.5	2.0	1.4	3.0	.94	.86	.95	1.1	.99	.58	.73
29	.72	1.6	2.0	1.4	2.7	.68	.95	.82	.91	.85	.56	.88
30	.72	1.9	2.0	1.4	---	.65	.98	.83	1.2	.87	.56	1.1
31	.79	---	2.1	1.4	---	.83	---	.83	---	1.2	.57	---
TOTAL	25.39	30.19	81.1	51.7	79.3	40.53	24.63	25.41	29.23	37.66	20.82	23.57
MEAN	.82	1.01	2.62	1.67	2.73	1.31	.82	.82	.97	1.21	.67	.79
MAX	.95	1.9	4.0	2.2	3.9	2.9	1.0	1.1	1.6	2.1	1.6	1.2
MIN	.72	.76	1.7	1.1	1.3	.65	.65	.59	.58	.80	.53	.30

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1996, BY WATER YEAR (WY)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	1.16	1.11	1.16	1.19	1.17	1.14	.91	.98	1.14	1.10	1.07	1.08
MAX	1.96	1.82	2.62	2.48	2.73	2.42	1.94	1.76	1.96	2.45	2.12	2.09
(WY)	1991	1987	1996	1994	1996	1993	1988	1988	1987	1994	1994	1993
MIN	.47	.59	.62	.44	.45	.47	.40	.49	.49	.52	.61	.49
(WY)	1992	1985	1989	1989	1989	1990	1990	1989	1990	1990	1985	1991

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1985 - 1996

ANNUAL TOTAL	425.07	469.53	
ANNUAL MEAN	1.16	1.28	1.10
HIGHEST ANNUAL MEAN			1.62
LOWEST ANNUAL MEAN			.70
HIGHEST DAILY MEAN	4.0	Dec 10	12
LOWEST DAILY MEAN	.43	Apr 14	.11
ANNUAL SEVEN-DAY MINIMUM	.60	Feb 19	.17
INSTANTANEOUS PEAK FLOW			Unknown
INSTANTANEOUS PEAK STAGE			3.63
10 PERCENT EXCEEDS	2.0	2.7	2.0
50 PERCENT EXCEEDS	.99	.90	.92
90 PERCENT EXCEEDS	.68	.64	.43

## SAVANNAH RIVER BASIN

02197331 H-008 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°16'54'', long 81°38'46'', Barnwell County, Hydrologic Unit 03060106, 100 ft west of SRS Road E-1, 300 ft south of SRS Road E, 0.3 mi east of intersection of SRS Roads E and 4, at Savannah River Site.

PERIOD OF RECORD.--October 1984 to September 1996 (discontinued).

GAGE.--Data collection platform. Datum of gage is 264.3 ft above sea level (from Global Positioning System and Department of Energy benchmarks).

REMARKS.--Estimated daily discharges, Oct. 1 - 17, July 5 - 8. Records poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	.39	2.5	3.0	.53	2.6	.82	.92	.83	1.7	1.5	.69
2	1.0	.39	2.5	2.7	1.1	2.5	.33	.83	.48	1.7	1.1	.77
3	1.0	.48	2.4	2.6	1.3	2.3	.39	.82	.30	1.6	.58	.78
4	1.2	.90	2.4	2.6	1.2	2.6	.28	1.4	.30	1.7	1.0	1.5
5	1.0	1.1	2.6	2.2	1.7	2.4	.42	1.2	.20	2.0	1.4	1.5
6	1.1	1.3	2.9	1.4	1.4	2.1	.79	.77	.23	1.7	.68	1.4
7	1.1	3.1	3.5	1.7	2.0	1.8	.61	.82	.28	1.6	.54	2.0
8	1.1	1.9	3.2	1.4	2.4	1.1	.53	.82	1.2	1.6	.47	1.3
9	1.1	1.7	3.5	1.7	2.1	1.9	.57	.71	1.9	1.6	.56	.92
10	1.1	1.3	3.7	2.0	2.8	2.0	.61	.86	1.7	1.6	.60	1.7
11	1.0	1.4	3.8	2.0	3.3	3.0	.52	.94	1.0	1.7	1.0	1.4
12	.99	1.1	3.7	2.0	2.4	3.2	.57	1.1	.95	1.8	1.0	1.4
13	1.0	1.1	4.2	1.9	2.4	1.6	.45	1.0	4.2	1.3	1.5	1.3
14	1.2	1.1	3.8	1.9	2.4	.85	.52	1.5	4.2	1.5	1.3	1.3
15	.93	1.1	3.5	1.9	2.5	1.2	1.3	1.7	4.2	1.5	.88	1.4
16	.90	1.1	4.0	1.3	2.7	.61	.84	.87	4.2	.84	1.4	2.4
17	.90	1.1	3.2	1.3	2.6	1.4	.77	.35	2.9	1.3	1.0	1.7
18	.39	1.0	2.4	1.3	2.4	.75	.77	.22	2.2	.94	.72	1.9
19	.39	.98	4.0	1.8	2.1	.45	.81	.25	1.1	.80	.62	1.4
20	.39	.92	2.6	1.0	2.0	.31	.87	.22	.74	.79	.58	.85
21	.39	1.3	2.6	.76	2.0	.29	.89	.31	.82	.81	.61	2.0
22	.39	1.3	2.5	.60	2.0	.29	.90	.16	1.6	.83	.59	1.9
23	.33	.87	1.9	.58	1.6	.26	.78	.15	1.3	1.1	.62	.80
24	.38	.78	2.1	.94	2.0	.21	.77	.50	2.1	.86	1.0	.80
25	.39	.70	2.4	.70	2.4	.25	.77	.72	4.1	1.5	1.4	1.3
26	.39	.69	2.6	.59	2.4	.29	.84	1.8	2.6	.92	.70	1.1
27	1.3	1.6	2.6	1.8	2.3	.98	.83	1.4	1.0	.82	.71	1.0
28	.68	2.1	2.4	.85	2.7	1.8	.77	2.0	2.5	.90	.60	1.2
29	.29	2.2	2.4	.67	2.5	.50	1.2	1.1	2.0	.80	.47	1.0
30	.30	2.3	2.4	.67	---	.32	1.5	.85	1.4	.76	.44	1.1
31	.46	---	3.3	.69	---	1.0	---	.82	---	1.2	.48	---
TOTAL	24.09	37.30	91.6	46.55	61.23	40.86	22.02	27.11	52.53	39.77	26.05	39.81
MEAN	.78	1.24	2.95	1.50	2.11	1.32	.73	.87	1.75	1.28	.84	1.33
MAX	1.3	3.1	4.2	3.0	3.3	3.2	1.5	2.0	4.2	2.0	1.5	2.4
MIN	.29	.39	1.9	.58	.53	.21	.28	.15	.20	.76	.44	.69

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1996, BY WATER YEAR (WY)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	1.91	2.02	2.05	2.38	2.01	1.84	1.52	1.57	2.10	1.83	1.74	1.66
MAX	4.44	4.95	3.67	5.73	4.10	4.15	3.54	3.00	5.14	6.73	4.36	4.05
(WY)	1994	1994	1994	1993	1993	1993	1994	1994	1993	1993	1994	1993
MIN	.62	.70	.82	.73	.67	.69	.63	.72	.85	.72	.71	.81
(WY)	1986	1985	1985	1989	1989	1989	1985	1989	1991	1985	1985	1991

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1985 - 1996

ANNUAL TOTAL	563.66	508.92	
ANNUAL MEAN	1.54	1.39	1.89
HIGHEST ANNUAL MEAN			3.77
LOWEST ANNUAL MEAN			.84
HIGHEST DAILY MEAN	7.9	Feb 18	20
LOWEST DAILY MEAN	.21	Apr 14	.15
ANNUAL SEVEN-DAY MINIMUM	.33	Jul 19	.24
INSTANTANEOUS PEAK FLOW			Unknown
INSTANTANEOUS PEAK STAGE			Unknown
10 PERCENT EXCEEDS	3.0		4.16
50 PERCENT EXCEEDS	1.2		3.5
90 PERCENT EXCEEDS	.61		1.5
			.66

## SAVANNAH RIVER BASIN

02197334 SITE NO. 3 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°16'31'', long 81°39'12'', Barnwell County, Hydrologic Unit 03060106, located on Fourmile Creek, on left bank, approximately 100 ft upstream of SRS Road 4, 0.8 mi southwest of H-Area, at Savannah River Site.

DRAINAGE AREA.--5.95 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Data collection platform. Datum of gage is 198.9 ft above sea level (by Global Positioning System and Department of Energy benchmarks).

REMARKS.--Records fair except for estimated daily discharges, Dec. 8 - 12, Mar. 7, May 26, Aug. 4, which are poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	3.8	4.5	6.6	8.6	5.9	11	5.7	3.5	2.9	21	3.5
2	3.1	3.1	4.4	5.9	5.7	5.4	6.2	4.1	2.7	2.5	11	2.8
3	2.9	3.8	4.2	5.2	5.5	5.3	5.1	3.3	1.7	2.5	4.4	2.8
4	3.3	5.9	4.2	4.8	5.1	5.3	5.0	3.4	1.7	2.9	8.3	4.2
5	3.8	3.6	4.1	6.0	5.5	4.9	5.0	3.4	2.6	11	22	7.9
6	3.2	3.5	3.8	5.4	5.9	8.1	5.8	2.8	1.8	7.5	5.0	4.4
7	3.3	9.6	15	4.8	5.8	33	5.3	2.7	1.5	4.6	3.7	3.9
8	3.1	7.9	6.5	5.4	5.6	11	4.3	3.9	4.4	5.0	2.7	3.3
9	2.8	4.8	6.4	5.7	6.7	8.9	3.7	2.8	4.7	3.3	3.7	2.7
10	2.4	4.3	6.6	6.5	5.3	7.6	3.6	2.0	3.0	3.6	3.5	5.6
11	2.1	6.0	6.9	5.6	5.2	7.3	3.2	3.3	2.8	3.3	3.2	5.9
12	2.8	5.2	7.0	5.4	5.2	7.6	3.1	4.0	3.1	3.9	4.7	4.1
13	2.5	4.3	6.6	5.3	5.2	5.4	3.3	3.7	3.8	2.8	10	3.7
14	5.3	3.9	6.9	4.7	5.2	4.7	2.9	4.0	2.4	3.4	12	4.4
15	5.7	3.8	6.4	4.5	5.2	5.8	3.5	3.9	3.5	7.2	4.9	4.4
16	3.2	3.6	6.7	4.7	5.5	7.3	3.7	3.8	3.4	6.2	3.6	5.3
17	2.3	3.5	19	5.6	5.5	15	3.1	2.9	2.6	5.0	3.1	4.8
18	2.1	3.3	9.3	4.3	4.9	9.8	2.8	2.5	3.1	3.8	3.1	4.8
19	2.0	3.3	7.5	3.7	4.5	7.8	2.6	1.6	2.5	2.4	2.9	4.2
20	1.8	3.2	6.3	3.9	6.2	5.8	3.1	1.5	2.5	2.4	2.3	3.3
21	1.9	3.7	5.6	4.0	5.3	4.9	3.1	1.3	2.1	2.1	2.2	4.8
22	1.7	3.6	5.8	6.5	4.9	4.9	2.7	1.5	2.9	2.0	2.0	6.6
23	1.8	3.0	6.0	4.9	4.3	4.6	2.5	1.5	2.4	2.7	2.0	5.1
24	1.5	3.2	5.9	4.3	4.7	4.2	2.3	1.7	2.7	2.6	4.3	3.1
25	1.8	3.6	5.8	15	5.5	4.1	2.4	2.9	2.3	4.5	21	3.8
26	2.2	3.1	5.7	6.6	4.3	4.1	2.5	5.6	1.7	3.6	5.3	3.7
27	4.5	3.8	5.5	5.5	5.0	10	3.8	13	1.8	3.3	3.4	2.1
28	9.3	4.1	5.4	5.5	12	29	3.6	13	3.2	3.5	2.9	2.4
29	3.4	4.4	5.7	5.8	8.5	10	3.8	5.3	2.8	2.4	2.8	3.2
30	3.4	4.4	12	4.8	---	8.9	13	3.8	2.3	2.4	2.5	5.2
31	4.1	---	7.4	6.4	---	9.0	---	2.6	---	5.6	3.5	---
TOTAL	96.7	127.3	213.1	173.3	166.8	265.6	126.0	117.5	81.5	120.9	187.0	126.0
MEAN	3.12	4.24	6.87	5.59	5.75	8.57	4.20	3.79	2.72	3.90	6.03	4.20
MAX	9.3	9.6	19	15	12	33	13	13	4.7	11	22	7.9
MIN	1.5	3.0	3.8	3.7	4.3	4.1	2.3	1.3	1.5	2.0	2.0	2.1

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1996, BY WATER YEAR (WY)

	MEAN	5.31	5.96	7.15	9.41	11.6	12.2	9.19	6.63	5.33	5.59	6.18	5.40
MAX	17.5	11.9	12.8	20.3	31.2	27.4	20.0	22.2	9.11	20.0	22.5	14.0	
(WY)	1991	1980	1977	1993	1973	1993	1973	1984	1984	1991	1991	1979	
MIN	2.42	3.62	3.18	3.15	3.46	4.70	3.79	2.32	2.16	1.75	2.03	2.61	
(WY)	1986	1985	1989	1989	1989	1990	1985	1985	1990	1980	1980	1985	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1973 - 1996

ANNUAL TOTAL	2893.9		1801.7					
ANNUAL MEAN	7.93		4.92			7.26		
HIGHEST ANNUAL MEAN						13.6		1991
LOWEST ANNUAL MEAN						4.18		1985
HIGHEST DAILY MEAN	70	Feb 18	33	Mar 7		155	Aug 2	1991
LOWEST DAILY MEAN	1.5	Oct 24	1.3	May 21		.61	Jun 6	1974
ANNUAL SEVEN-DAY MINIMUM	1.8	Oct 19	1.7	May 18		1.4	Jun 30	1990
INSTANTANEOUS PEAK FLOW			Unknown	Aug 4		154	Oct 8	1992
INSTANTANEOUS PEAK STAGE			5.28	Aug 4		5.99	Aug 1	1991
10 PERCENT EXCEEDS	16		7.7			14		
50 PERCENT EXCEEDS	5.3		4.1			5.3		
90 PERCENT EXCEEDS	3.0		2.4			2.9		

## SAVANNAH RIVER BASIN

02197338 SITE NO. 5 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°16'50'', long 81°40'15'', Aiken County, Hydrologic Unit 03060106, at upstream end of pipe culvert at SRS Road E, 600 ft southeast of Area F, 0.5 mi east of SRS Road C, at Savannah River Site.

DRAINAGE AREA.--0.28 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Data collection platform. Datum of gage is 250.6 ft above sea level (by Global Positioning System and Department of Energy benchmarks).

REMARKS.--No estimated daily discharges. Records good. Flow completely regulated by Savannah River Site operations.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	2.3	2.1	2.7	2.3	2.5	2.6	2.2	2.0	1.6	4.9	2.7
2	3.1	2.3	2.0	2.5	3.4	2.5	2.2	2.3	2.5	1.6	1.9	2.7
3	3.5	2.7	1.9	3.3	2.4	2.3	2.0	2.0	2.1	1.4	2.1	1.7
4	3.3	2.5	2.8	2.2	2.4	2.3	1.9	2.3	2.0	1.7	10	2.1
5	3.1	2.4	3.2	1.9	2.4	2.1	1.9	1.9	1.9	5.0	1.7	1.9
6	3.3	2.5	2.4	2.2	2.5	3.3	2.2	1.6	1.7	2.3	3.3	1.8
7	3.1	4.9	4.4	2.9	2.7	7.8	1.9	1.8	1.9	2.1	2.9	2.2
8	3.1	3.2	2.0	2.7	2.9	2.3	2.1	1.9	4.0	2.9	2.0	1.8
9	3.1	3.7	4.0	2.7	3.0	2.7	2.1	2.0	1.8	3.1	1.8	1.2
10	2.1	4.4	2.2	2.7	2.5	3.0	2.0	2.6	1.8	1.7	1.6	3.3
11	2.0	5.1	2.4	3.3	1.9	2.2	2.1	2.5	1.7	1.7	2.3	2.3
12	2.0	4.2	3.3	3.1	1.9	1.8	2.0	1.9	3.3	1.5	2.2	1.8
13	2.0	4.4	1.9	2.2	2.0	1.9	2.0	1.9	3.1	1.7	4.1	1.5
14	3.0	4.7	2.0	2.2	1.7	1.9	1.9	1.8	2.4	2.0	2.4	1.8
15	2.1	3.6	2.1	2.1	1.9	2.6	2.1	1.9	2.4	2.2	3.4	2.2
16	2.0	3.6	2.0	2.1	1.8	2.4	2.0	1.8	2.0	1.7	2.2	2.1
17	2.8	3.6	2.0	2.1	2.0	3.6	1.9	1.8	1.8	1.6	1.5	1.6
18	3.3	3.6	2.2	2.2	2.1	2.3	1.9	2.1	1.8	1.6	1.8	1.6
19	2.6	3.7	5.5	2.2	2.4	3.1	2.1	1.8	2.0	1.7	1.6	2.3
20	2.5	3.6	2.0	2.0	3.0	2.9	1.9	1.8	1.8	2.2	1.7	1.8
21	2.1	3.3	2.0	2.0	2.9	2.1	2.0	1.7	2.1	1.5	1.4	1.7
22	2.0	2.8	2.0	2.2	3.3	2.1	2.7	1.9	1.9	1.5	1.6	1.1
23	2.0	3.6	2.0	2.8	2.6	2.0	2.9	2.0	1.8	1.7	1.6	1.2
24	2.1	3.4	2.1	3.5	2.3	1.9	2.0	3.0	1.8	1.6	4.1	1.5
25	2.2	3.4	2.1	3.4	2.0	2.1	2.1	2.1	1.9	2.0	3.7	1.4
26	2.2	3.3	2.1	2.5	2.0	2.3	2.2	4.3	1.8	1.5	2.8	1.4
27	4.2	3.4	2.1	4.3	2.1	3.1	2.2	2.0	1.7	2.0	1.5	1.6
28	2.8	2.5	2.0	2.3	3.5	4.7	2.2	3.9	1.7	2.7	1.5	1.8
29	2.2	2.0	2.0	2.2	2.4	2.8	2.6	2.9	1.7	2.1	1.5	2.1
30	3.1	2.0	1.9	2.2	---	2.9	3.0	2.3	1.7	1.5	1.3	1.9
31	3.8	---	2.2	2.4	---	3.2	---	1.9	---	3.3	2.1	---
TOTAL	83.1	100.7	74.9	79.1	70.3	84.7	64.7	67.9	62.1	62.7	78.5	56.1
MEAN	2.68	3.36	2.42	2.55	2.42	2.73	2.16	2.19	2.07	2.02	2.53	1.87
MAX	4.2	5.1	5.5	4.3	3.5	7.8	3.0	4.3	4.0	5.0	10	3.3
MIN	2.0	2.0	1.9	1.9	1.7	1.8	1.9	1.6	1.7	1.4	1.3	1.1

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1996, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
MEAN	2.80	2.68	2.71	2.93	3.07	2.81	2.53	2.54	2.85	2.58	2.59	2.52								
MAX	4.66	3.79	4.06	4.07	4.68	4.06	3.55	4.28	4.84	4.16	4.84	4.24								
(WY)	1991	1983	1990	1986	1985	1989	1989	1984	1995	1984	1988	1989								
MIN	1.15	1.57	1.69	1.73	1.94	1.57	1.92	1.48	1.96	1.42	1.45	1.08								
(WY)	1992	1992	1992	1992	1992	1992	1992	1992	1980	1990	1992	1990								

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1973 - 1996
ANNUAL TOTAL	1007.4	884.8	
ANNUAL MEAN	2.76	2.42	2.75
HIGHEST ANNUAL MEAN			3.74
LOWEST ANNUAL MEAN			1.72
HIGHEST DAILY MEAN	31	10	48
LOWEST DAILY MEAN	1.2	1.1	.46
ANNUAL SEVEN-DAY MINIMUM	1.6	1.4	.60
INSTANTANEOUS PEAK FLOW		* 311	* 448
INSTANTANEOUS PEAK STAGE		5.32	9.46
10 PERCENT EXCEEDS	3.7	3.4	3.9
50 PERCENT EXCEEDS	2.3	2.1	2.4
90 PERCENT EXCEEDS	1.8	1.7	1.7

\* From rating curve extended above 5 ft<sup>3</sup>/s based on contracted opening indirect computations.



## SAVANNAH RIVER BASIN

02197339 SITE NO. 5B AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°16'29'', long 81°40'06'', Aiken County, Hydrologic Unit 0306106, on right bank, 100 ft east of SRS Road C, 300 ft upstream from confluence with Fourmile Creek, 0.7 mi southeast of F Area, at Savannah River Site.

DRAINAGE AREA.--0.57 mi<sup>2</sup>.

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

GAGE.--Data collection platform. Datum of gage is 191.2 ft above sea level (by Global Positioning system, using Dept. of Energy benchmarks). Prior to Oct. 12, 1990, at datum 1.0 ft lower.

REMARKS.--1995 Water Year: Estimated daily discharges, Oct. 1, 11 - 14, 27, Aug. 5 - 8, 26, Sept. 11, 12, 30. Records poor.

1996 Water Year: Records fair except for estimated daily discharges, Oct. 1, 2, 8, 9, 19, Nov. 9 - 14, Mar. 11, 12, Apr. 17, 19, 20, July 3, 11, 12, 19, 28, which are poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	3.1	2.6	2.2	3.2	5.4	2.8	2.7	4.2	3.4	1.7	2.0
2	4.1	3.0	2.4	2.3	3.2	3.4	2.8	2.9	4.7	2.9	2.3	2.0
3	6.4	3.1	2.2	2.4	3.2	3.2	2.8	2.9	4.1	2.5	2.4	2.0
4	1.8	2.8	2.8	2.2	3.3	3.2	2.9	2.9	3.6	2.4	1.9	2.0
5	1.4	2.2	2.2	2.0	3.2	3.2	2.9	2.7	10	2.3	2.3	2.1
6	1.4	2.2	2.1	3.1	3.4	3.2	3.0	2.7	5.8	3.0	2.1	2.1
7	1.4	2.3	2.3	8.6	3.1	3.1	2.9	2.8	3.0	2.4	1.9	2.0
8	2.1	2.3	2.7	2.7	3.0	3.5	2.8	2.8	3.1	2.7	1.8	1.9
9	1.4	2.3	2.8	2.6	3.1	3.2	2.7	2.9	3.0	2.4	1.9	2.0
10	3.5	2.8	2.8	2.7	3.6	3.2	2.8	2.9	3.6	2.3	1.8	2.0
11	1.9	3.3	3.3	2.9	5.5	3.1	2.8	2.9	3.4	2.5	1.8	2.3
12	11	2.6	2.4	2.7	3.1	3.2	2.9	2.8	3.6	1.9	2.1	2.2
13	13	2.0	2.3	2.9	3.0	3.0	3.1	2.7	3.3	2.2	2.2	2.0
14	3.4	2.1	2.2	5.1	2.8	3.1	2.9	2.8	3.5	2.4	2.2	2.5
15	2.5	2.0	2.1	5.7	3.1	3.2	2.9	2.4	3.2	1.8	2.3	2.8
16	2.4	1.8	2.1	3.0	2.7	3.2	2.7	2.4	3.2	2.4	2.2	2.2
17	2.5	2.2	2.1	2.9	5.0	3.4	2.7	2.2	3.1	2.0	2.2	2.1
18	2.2	2.3	2.0	2.6	19	3.2	2.7	2.2	3.1	1.8	2.9	2.4
19	2.2	2.4	2.1	2.8	3.4	2.9	2.7	3.7	3.2	1.9	2.5	2.8
20	2.4	2.4	2.0	2.8	3.1	3.0	2.8	2.7	3.9	1.9	2.3	2.8
21	2.3	3.0	2.0	2.6	2.9	2.9	2.8	2.6	3.2	1.9	2.0	2.2
22	3.6	2.7	12	2.6	3.0	2.9	2.8	2.9	3.3	2.0	1.8	2.1
23	3.0	2.8	5.7	3.4	2.8	3.1	2.9	3.0	3.3	2.0	2.2	2.2
24	2.3	2.7	2.2	2.5	2.7	2.9	2.9	2.8	33	1.8	1.8	9.5
25	2.4	2.6	2.1	2.9	2.9	2.9	2.9	2.7	4.3	1.8	2.3	2.5
26	3.1	2.9	2.0	3.2	2.8	2.9	2.9	2.4	3.4	1.9	9.0	3.4
27	2.4	3.6	2.1	2.8	2.8	2.9	2.9	2.4	3.7	2.5	2.1	2.9
28	2.6	3.1	2.8	4.0	3.2	2.9	2.9	2.4	4.7	2.6	2.5	2.4
29	2.4	4.2	3.3	3.5	---	2.9	3.1	2.5	2.9	2.0	2.8	2.1
30	2.3	3.5	2.3	3.4	---	2.9	2.9	2.5	3.5	1.6	2.5	2.3
31	2.9	---	2.4	3.5	---	2.8	---	3.1	---	1.6	2.0	---
TOTAL	97.7	80.3	86.4	98.6	106.1	97.9	85.6	84.3	143.9	68.8	73.8	75.8
MEAN	3.15	2.68	2.79	3.18	3.79	3.16	2.85	2.72	4.80	2.22	2.38	2.53
MAX	13	4.2	12	8.6	19	5.4	3.1	3.7	33	3.4	9.0	9.5
MIN	1.4	1.8	2.0	2.0	2.7	2.8	2.7	2.2	2.9	1.6	1.7	1.9

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1995, BY WATER YEAR (WY)

	MEAN	3.15	3.11	3.22	3.37	3.49	3.20	3.01	2.83	3.20	2.86	2.93	2.82
MAX	4.84	4.87	4.47	4.62	5.00	4.26	5.38	5.79	4.80	4.71	5.30	4.79	
(WY)	1991	1984	1985	1986	1985	1983	1984	1984	1995	1984	1984	1989	
MIN	1.46	1.65	2.01	1.83	1.66	2.05	2.12	2.09	1.73	1.46	1.62	.93	
(WY)	1992	1992	1992	1992	1992	1992	1992	1993	1980	1990	1980	1990	

## SUMMARY STATISTICS

## FOR 1994 CALENDAR YEAR

## FOR 1995 WATER YEAR

## WATER YEARS 1980 - 1995

ANNUAL TOTAL	900.8	1099.2	3.13	
ANNUAL MEAN	2.47	3.01	4.63	1984
HIGHEST ANNUAL MEAN			1.92	1992
LOWEST ANNUAL MEAN				
HIGHEST DAILY MEAN	13	Oct 13	33	Jun 24 1995
LOWEST DAILY MEAN	1.3	Aug 14	1.4	Oct 1 1980
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 3	1.9	Oct 4 1990
INSTANTANEOUS PEAK FLOW			Unknown	Sep 10 1990
INSTANTANEOUS PEAK STAGE			4.88	Jun 24 1991
10 PERCENT EXCEEDS	3.0		3.5	Jun 24 1991
50 PERCENT EXCEEDS	2.3		2.8	
90 PERCENT EXCEEDS	1.8		2.0	



## SAVANNAH RIVER BASIN

02197339 SITE NO. 5B AT SAVANNAH RIVER SITE, SC--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	2.3	2.4	3.0	2.8	2.7	3.0	2.3	2.7	2.4	4.7	2.7
2	2.7	2.3	2.3	2.6	3.8	2.7	2.4	2.4	3.0	2.4	3.2	2.7
3	2.9	2.6	2.3	3.1	2.9	2.6	2.3	2.3	2.8	2.3	3.3	2.1
4	2.9	2.5	2.7	2.5	2.8	2.5	2.3	2.4	2.6	2.5	5.8	2.4
5	2.8	2.5	2.9	2.4	2.7	2.5	2.3	2.2	2.7	2.8	2.9	2.3
6	2.9	2.5	2.4	2.5	2.6	3.7	2.4	2.0	2.5	3.0	3.6	2.2
7	2.7	4.3	4.3	2.9	2.7	6.0	2.3	2.1	2.6	3.1	3.3	2.4
8	2.7	2.9	2.2	2.8	2.7	2.5	2.3	2.2	3.0	3.2	2.7	2.2
9	2.6	3.2	3.9	2.8	2.6	2.8	2.3	2.2	2.6	3.3	2.6	1.8
10	2.2	3.2	2.3	2.7	2.6	2.9	2.3	2.5	2.6	2.5	2.5	2.8
11	2.2	3.3	2.3	3.1	2.5	2.5	2.3	2.5	2.6	2.5	2.7	2.4
12	2.2	3.4	2.8	3.1	2.5	2.3	2.3	2.1	3.7	2.3	3.2	2.2
13	2.2	3.6	2.1	2.5	2.6	2.3	2.3	2.2	3.4	2.5	3.8	2.0
14	3.3	3.9	2.2	2.5	2.4	2.3	2.2	2.1	3.0	2.7	2.9	2.1
15	2.2	3.0	2.2	2.4	2.5	2.8	2.3	2.2	3.1	2.9	3.3	2.3
16	2.2	3.0	2.2	2.4	2.4	2.6	2.2	2.1	2.8	2.5	2.7	2.4
17	2.5	3.0	2.1	2.4	2.5	3.6	2.2	2.0	2.7	2.4	2.3	2.0
18	2.8	3.1	2.2	2.5	2.6	2.5	2.2	2.2	2.7	2.5	2.5	2.0
19	2.4	3.2	4.7	2.5	2.7	3.0	2.3	2.1	2.9	2.5	2.3	2.3
20	2.4	3.1	2.3	2.4	3.1	2.9	2.2	2.0	2.8	2.9	2.4	2.1
21	2.2	3.0	2.3	2.4	3.0	2.4	2.2	2.0	2.8	2.4	2.2	2.0
22	2.1	2.7	2.3	2.5	3.2	2.4	2.5	2.1	2.6	2.3	2.2	1.7
23	2.1	3.1	2.3	2.8	2.9	2.3	2.7	2.1	2.5	2.5	2.2	1.8
24	2.2	3.0	2.3	3.4	2.7	2.3	2.3	2.5	2.5	2.5	2.7	1.9
25	2.2	3.0	2.3	3.3	2.5	2.4	2.3	2.5	2.6	3.1	3.6	1.9
26	2.2	2.9	2.4	2.7	2.5	2.4	2.3	3.3	2.5	2.9	2.9	1.9
27	3.4	2.9	2.4	4.3	2.6	3.0	2.3	2.4	2.5	3.1	2.1	2.0
28	2.7	2.6	2.3	2.8	3.8	5.4	2.3	3.2	2.4	3.8	2.1	2.1
29	2.2	2.3	2.4	2.8	2.6	2.7	2.5	3.3	2.5	3.3	2.1	2.3
30	2.6	2.3	2.4	2.8	---	2.8	3.1	2.9	2.5	2.9	2.0	2.2
31	3.1	---	2.5	2.9	---	2.8	---	2.7	---	4.0	2.4	---
TOTAL	78.2	88.7	78.7	85.8	79.8	88.6	70.9	73.1	82.2	86.0	89.2	65.2
MEAN	2.52	2.96	2.54	2.77	2.75	2.86	2.36	2.36	2.74	2.77	2.88	2.17
MAX	3.4	4.3	4.7	4.3	3.8	6.0	3.1	3.3	3.7	4.0	5.8	2.8
MIN	2.1	2.3	2.1	2.4	2.4	2.3	2.2	2.0	2.4	2.3	2.0	1.7

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

	1991	1984	1985	1986	1985	1983	1984	1984	1985	1984	1984	1989
MEAN	3.11	3.13	3.20	3.34	3.42	3.18	2.98	2.80	3.08	2.90	2.96	2.80
MAX	4.84	4.87	4.47	4.62	5.00	4.26	5.38	5.79	4.77	4.71	5.30	4.79
(WY)	1991	1984	1985	1986	1985	1983	1984	1984	1985	1984	1984	1989
MIN	1.46	1.65	2.01	1.83	1.66	2.05	2.12	2.09	1.73	1.46	1.62	.93
(WY)	1992	1992	1992	1992	1992	1992	1992	1993	1980	1990	1980	1990

## SUMMARY STATISTICS

## FOR 1996 WATER YEAR

## WATER YEARS 1980 - 1996

ANNUAL TOTAL	966.4		
ANNUAL MEAN	2.64		
HIGHEST ANNUAL MEAN		3.10	
LOWEST ANNUAL MEAN		4.63	1984
HIGHEST DAILY MEAN	6.0	1.92	1992
LOWEST DAILY MEAN	1.7	25	Oct 12 1990
ANNUAL SEVEN-DAY MINIMUM	1.9	.00	Jun 17 1980
INSTANTANEOUS PEAK FLOW	Unknown	.74	Sep 10 1990
INSTANTANEOUS PEAK STAGE	4.46	Unknown	Apr 27 1991
10 PERCENT EXCEEDS	3.2	4.90	Apr 27 1991
50 PERCENT EXCEEDS	2.5	4.5	
90 PERCENT EXCEEDS	2.2	2.8	
		1.9	

## SAVANNAH RIVER BASIN

02197340 SITE NO. 6 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°16'23'', long 81°40'05'', Aiken County, Hydrologic Unit 03060106, on Fourmile Creek at upstream side of bridge on SRS Road C, and 0.7 mi southeast of F-Area, at Savannah River Site.

DRAINAGE AREA.--7.53 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Data collection platform. Datum of gage is 187.9 ft above sea level (by Global Positioning System).

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	5.5	8.8	15	8.5	11	17	7.6	4.7	4.5	14	6.8
2	4.6	4.9	8.4	10	11	10	10	6.0	5.6	4.7	17	7.1
3	4.8	5.3	8.3	9.9	14	8.8	8.2	5.0	3.6	4.8	7.8	6.4
4	4.7	6.8	8.7	8.1	9.9	9.1	7.8	5.2	3.1	5.5	13	7.1
5	5.0	5.8	9.4	7.5	9.1	8.7	7.7	4.9	3.4	13	28	9.6
6	5.2	4.7	7.9	7.1	8.8	12	8.8	4.0	3.6	11	9.9	8.2
7	5.1	10	21	9.0	9.1	36	8.8	3.9	3.2	6.5	7.0	7.0
8	5.2	12	10	8.7	9.6	17	7.3	5.5	7.2	7.5	6.0	6.9
9	5.4	7.6	12	7.8	9.4	12	6.8	5.8	8.3	6.7	5.5	6.3
10	4.5	7.1	9.5	8.0	9.2	11	6.7	6.6	5.2	4.5	6.2	9.4
11	4.4	8.9	7.4	8.1	10	9.4	6.7	7.0	5.1	4.6	6.3	10
12	4.7	8.2	7.6	9.5	8.7	9.9	6.4	7.0	6.7	4.7	9.3	7.8
13	5.1	7.2	6.4	7.9	8.6	8.2	6.8	6.9	8.4	4.5	9.7	6.5
14	6.2	7.1	6.5	7.4	8.3	6.9	6.3	6.7	5.4	4.3	18	6.3
15	7.5	6.2	6.3	7.6	8.7	9.0	6.9	7.0	6.2	7.5	10	7.0
16	5.5	6.4	6.6	7.1	8.9	11	6.6	6.5	5.8	9.1	7.2	7.4
17	4.9	6.3	6.3	6.8	9.1	18	6.4	5.3	4.4	6.5	5.6	7.4
18	5.0	6.5	6.4	7.3	8.7	15	5.6	5.1	4.9	6.0	6.0	6.2
19	4.6	6.6	21	8.0	8.7	12	5.6	3.8	5.0	4.2	5.8	7.2
20	4.4	6.7	11	7.0	11	9.8	6.1	2.3	4.6	4.3	4.8	6.0
21	3.5	7.0	9.4	6.6	10	7.9	6.2	2.2	4.2	4.3	4.2	5.3
22	3.0	7.8	7.8	6.7	9.9	7.5	6.2	2.4	4.2	3.7	4.6	7.2
23	3.1	8.0	7.1	7.0	9.0	7.6	5.9	2.9	4.3	4.6	4.8	7.1
24	3.3	8.0	7.3	10	8.8	6.8	5.0	3.7	3.5	5.6	5.8	5.9
25	3.3	8.6	7.3	9.6	9.6	7.2	5.3	5.8	4.6	6.6	21	5.1
26	3.4	8.0	7.9	7.5	8.1	7.5	5.2	11	3.0	6.0	10	5.7
27	5.9	8.3	8.0	20	8.6	12	5.8	20	2.5	6.4	5.9	5.2
28	11	8.4	7.1	11	16	27	6.1	15	4.3	7.3	5.2	4.8
29	5.9	8.3	7.0	9.2	14	14	6.1	9.0	5.0	5.5	4.9	5.1
30	5.0	8.2	7.1	9.3	---	12	13	6.4	4.0	5.2	4.8	6.9
31	6.0	---	7.6	9.6	---	11	---	5.2	---	8.0	5.6	---
TOTAL	154.5	220.4	273.1	274.3	283.3	365.3	217.3	195.7	144.0	187.6	273.9	204.9
MEAN	4.98	7.35	8.81	8.85	9.77	11.8	7.24	6.31	4.80	6.05	8.84	6.83
MAX	11	12	21	20	16	36	17	20	8.4	13	28	10
MIN	3.0	4.7	6.3	6.6	8.1	6.8	5.0	2.2	2.5	3.7	4.2	4.8
CFSM	.66	.98	1.17	1.18	1.30	1.56	.96	.84	.64	.80	1.17	.91
IN.	.76	1.09	1.35	1.36	1.40	1.80	1.07	.97	.71	.93	1.35	1.01

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1996, BY WATER YEAR (WY)

	MEAN	11.1	11.6	14.3	15.7	17.1	13.6	10.2	9.78	10.1	11.0	9.52
MAX	21.8	20.5	18.8	24.4	32.4	30.3	32.1	33.5	21.1	18.3	25.0	18.1
(WY)	1991	1980	1977	1987	1973	1980	1984	1984	1973	1984	1991	1979
MIN	4.98	6.81	5.53	7.17	7.98	8.37	7.00	5.13	3.79	5.57	5.63	4.31
(WY)	1996	1975	1979	1979	1989	1990	1990	1995	1990	1993	1993	1994

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1973 - 1996

ANNUAL TOTAL	3800.2	2794.3	12.0
ANNUAL MEAN	10.4	7.63	18.6
HIGHEST ANNUAL MEAN			1984
LOWEST ANNUAL MEAN			1996
HIGHEST DAILY MEAN	98	Feb 18	186
LOWEST DAILY MEAN	2.7	May 18	2.2
ANNUAL SEVEN-DAY MINIMUM	3.3	May 25	2.7
INSTANTANEOUS PEAK FLOW			Unknown
INSTANTANEOUS PEAK STAGE			Aug 2 1991
ANNUAL RUNOFF (CFSM)	1.38	4.09	6.27
ANNUAL RUNOFF (INCHES)	18.77	1.01	1.59
10 PERCENT EXCEEDS	18	13.80	21.60
50 PERCENT EXCEEDS	7.6	11	20
90 PERCENT EXCEEDS	4.9	7.0	9.8
		4.4	5.8

## SAVANNAH RIVER BASIN

021973405 C-001 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°15'13'', long 81°40'53'', Barnwell County, Hydrologic Unit 03060106, near right bank, on upstream side of culvert, 10 ft east of dirt road SRS A-6, 1000 ft northwest of C-Area, 0.6 mi upstream of Fourmile Creek, at Savannah River Site.

PERIOD OF RECORD.--December 1983 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 245 ft above sea level (from topographic map). Prior to October 1, 1990, at same site at datum 1.00 ft lower.

REMARKS.--Records poor. Flow completely regulated by Savannah River Site.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.15	.00	.00	.22	.01	.00	.00	.08	.02
2	.00	.00	.00	.00	.12	.00	.00	.00	.00	.01	.02	.02
3	.00	.08	.00	.00	.02	.00	.00	.00	.00	.01	.01	.02
4	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.05	.04
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.03	.02
6	.00	.00	.00	.00	.00	.20	.05	.00	.00	.02	.02	.02
7	.00	.60	.60	.10	.00	.92	.00	.01	.00	.01	.01	.01
8	.00	.03	.00	.02	.00	.01	.00	.01	.04	.01	.01	.01
9	.00	.00	.15	.00	.00	.00	.00	.00	.01	.01	.01	.01
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.06
11	.00	.15	.00	.00	.00	.00	.00	.00	.01	.01	.03	.02
12	.00	.01	.00	.03	.00	.00	.00	.00	.03	.01	.04	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.03	.01	.05	.00
14	.08	.00	.00	.00	.00	.00	.00	.00	.01	.02	.04	.00
15	.00	.00	.00	.00	.00	.03	.00	.00	.02	.05	.01	.00
16	.00	.00	.00	.00	.00	.22	.00	.00	.01	.02	.01	.02
17	.00	.00	.00	.00	.00	.80	.00	.00	.00	.02	.01	.00
18	.00	.00	.00	.02	.00	.03	.00	.00	.01	.03	.02	.00
19	.00	.00	.64	.10	.00	.02	.00	.00	.05	.01	.02	.00
20	.00	.00	.00	.00	.07	.00	.01	.00	.01	.03	.01	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01
22	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01
23	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.00
24	.00	.00	.00	.16	.00	.00	.00	.00	.01	.03	.04	.00
25	.00	.00	.00	.00	.00	.00	.00	.02	.01	.04	.08	.00
26	.00	.00	.00	.00	.00	.00	.00	.02	.01	.01	.02	.00
27	.18	.00	.00	.41	.00	.12	.00	.02	.01	.01	.02	.00
28	.14	.00	.00	.00	.28	.72	.00	.05	.01	.02	.02	.01
29	.00	.00	.00	.00	.00	.00	.01	.01	.00	.01	.02	.02
30	.00	.00	.00	.00	---	.00	.07	.00	.00	.01	.02	.03
31	.00	---	.01	.01	---	.15	---	.00	---	.05	.02	---
TOTAL	0.40	0.87	1.40	1.00	0.49	3.22	0.36	0.15	0.32	0.63	0.76	0.35
MEAN	.013	.029	.045	.032	.017	.10	.012	.005	.011	.020	.025	.012
MAX	.18	.60	.64	.41	.28	.92	.22	.05	.05	.10	.08	.06
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00

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

	1985	1985	1985	1984	1985	1985	1984	1985	1984	1985	1984	1985
MEAN	.15	.15	.14	.21	.18	.16	.19	.19	.23	.15	.20	.27
MAX	.72	.86	.87	.86	.81	.75	.92	.91	1.06	1.03	1.10	1.47
(WY)	1985	1985	1985	1984	1985	1985	1984	1985	1984	1984	1984	1995
MIN	.001	.004	.010	.012	.016	.011	.006	.005	.011	.015	.017	.012
(WY)	1992	1992	1992	1989	1990	1990	1995	1996	1996	1990	1989	1996

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1984 - 1996

ANNUAL TOTAL	72.76	9.95	
ANNUAL MEAN	.20	.027	
HIGHEST ANNUAL MEAN			.14
LOWEST ANNUAL MEAN			.016
HIGHEST DAILY MEAN	3.7	Aug 25	5.8
LOWEST DAILY MEAN	.00	Jan 9	.00
ANNUAL SEVEN-DAY MINIMUM	.00	Mar 9	.00
INSTANTANEOUS PEAK FLOW			Unknown
INSTANTANEOUS PEAK STAGE			3.42
10 PERCENT EXCEEDS	.18	.05	.76
50 PERCENT EXCEEDS	.00	.00	.04
90 PERCENT EXCEEDS	.00	.00	.00

\* Also occurred many days during the year.

\*\* Also occurred on July 30, 1988, Jan. 2, 20 - 23, 1989, and many days in 1991 - 1995

## SAVANNAH RIVER BASIN

02197342 SITE NO. 7 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°14'40'', long 81°41'45'', Barnwell County, Hydrologic Unit 03060106, on right upstream end of concrete culvert pipe on Four Mile Creek at SRS Road A-7, 1.0 mi southwest of Area C, at Savannah River Site.

DRAINAGE AREA.--12.5 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Data collection platform. Elevation of gage is 155 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, Nov. 20 - 22, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	13	13	33	15	17	43	17	8.0	6.8	28	11
2	11	12	13	19	16	16	22	12	9.3	6.4	53	12
3	11	12	13	18	29	14	18	10	7.9	5.9	17	10
4	12	13	12	16	17	15	17	9.8	7.2	5.8	14	11
5	11	13	14	14	16	15	16	9.4	7.8	19	82	17
6	11	11	12	13	15	26	18	8.2	7.1	37	24	14
7	11	19	53	18	15	85	19	7.8	6.2	13	17	11
8	9.9	37	30	16	16	43	17	11	11	12	13	9.8
9	10	19	28	14	15	21	16	9.5	21	11	11	9.0
10	9.6	15	27	15	15	19	15	7.5	9.9	9.2	13	12
11	8.9	18	19	15	16	18	15	8.2	8.9	8.3	12	25
12	8.9	19	19	18	14	18	14	7.8	9.8	8.4	25	14
13	9.4	16	18	15	14	17	14	8.1	23	8.1	15	10
14	11	14	18	14	15	14	14	8.3	11	8.2	55	9.0
15	18	14	18	14	14	16	15	9.0	10	15	20	9.3
16	13	15	17	13	14	25	14	8.6	12	22	15	11
17	10	13	17	13	15	43	14	7.9	8.5	12	11	13
18	11	12	17	15	14	43	13	7.1	8.6	12	11	9.6
19	10	12	54	16	14	25	12	6.5	13	8.4	13	9.0
20	8.6	13	31	13	19	21	14	5.4	11	8.3	10	9.2
21	8.5	13	19	12	17	17	14	4.8	9.1	12	8.8	6.9
22	8.1	12	16	12	16	16	12	4.7	7.8	8.3	8.1	10
23	8.2	12	15	12	15	16	13	5.0	8.3	7.7	7.7	10
24	8.7	12	15	19	14	15	11	5.5	7.1	10	7.9	9.1
25	8.8	13	15	18	15	15	11	11	8.4	9.8	61	7.1
26	8.8	13	15	14	14	16	10	9.7	6.8	12	24	7.1
27	10	12	15	42	14	22	11	52	5.8	9.1	14	7.2
28	35	14	14	24	29	68	12	33	5.6	11	11	6.1
29	16	13	14	15	30	31	11	19	7.2	10	9.9	7.3
30	11	12	14	16	---	22	31	13	6.6	7.8	9.1	11
31	13	---	15	16	---	20	---	9.9	---	13	9.0	---
TOTAL	352.4	436	610	522	482	769	476	346.7	283.9	347.5	629.5	317.7
MEAN	11.4	14.5	19.7	16.8	16.6	24.8	15.9	11.2	9.46	11.2	20.3	10.6
MAX	35	37	54	42	30	85	43	52	23	37	82	25
MIN	8.1	11	12	12	14	14	10	4.7	5.6	5.8	7.7	6.1
CFSM	.91	1.16	1.57	1.35	1.33	1.98	1.27	.89	.76	.90	1.62	.85
IN.	1.05	1.30	1.82	1.55	1.43	2.29	1.42	1.03	.84	1.03	1.87	.95

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1996, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	14.8	14.9	17.4	21.9	25.2	25.7	19.7	14.7	15.0	14.7	17.3	12.9												
MAX	68.0	26.0	24.8	39.4	52.7	44.6	38.1	43.2	37.1	48.9	75.7	17.7												
(WY)	1991	1980	1995	1993	1993	1980	1984	1984	1973	1991	1991	1991												
MIN	7.83	9.68	10.3	11.9	11.6	12.6	10.3	8.03	5.80	6.97	7.65	6.66												
(WY)	1979	1982	1989	1989	1989	1990	1990	1990	1990	1986	1980	1990												

## SUMMARY STATISTICS FOR 1995 CALENDAR YEAR FOR 1996 WATER YEAR WATER YEARS 1973 - 1996

	1995 CALENDAR YEAR	1996 WATER YEAR	WATER YEARS 1973 - 1996
ANNUAL TOTAL	7200.6	5572.7	
ANNUAL MEAN	19.7	15.2	17.7
HIGHEST ANNUAL MEAN			32.7
LOWEST ANNUAL MEAN			12.4
HIGHEST DAILY MEAN	276	85	830
LOWEST DAILY MEAN	5.9	4.7	2.7
ANNUAL SEVEN-DAY MINIMUM	7.1	5.6	3.2
INSTANTANEOUS PEAK FLOW		* 156	Unknown
INSTANTANEOUS PEAK STAGE		3.53	6.89
ANNUAL RUNOFF (CFSM)	1.58	1.22	1.41
ANNUAL RUNOFF (INCHES)	21.43	16.58	19.20
10 PERCENT EXCEEDS	31	24	30
50 PERCENT EXCEEDS	14	13	14
90 PERCENT EXCEEDS	8.5	7.9	8.0

\* From rating curve extended above 83 ft<sup>3</sup>/s based on step-backwater computation.

## SAVANNAH RIVER BASIN

021973424 C-003 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°14'47'', long 81°40'27'', Barnwell County, Hydrologic Unit 03060106, at downstream end of culvert on tributary to Fourmile Creek, 300 ft southeast of C-Area, 0.5 mi north of SRS Road 3, at Savannah River Site.

PERIOD OF RECORD.--December 1983 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 280 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges, Oct. 11, 27, Nov. 7, Dec. 1, 2, 7, 19, Jan. 27, Feb. 28, Mar. 4, 7, 16, 28, 31, Apr. 29, May 7, 26, 28, June 8, 12, 16, 19, July 5, 13, 15, 17, 18, 31, Aug. 1, 4, 11, 13, 18, 24, 25 Sept. 10. Records poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.45	.39	.45	.75	.49	.50	.91	.71	.53	.56	1.3	.44
2	.45	.37	.45	1.2	.92	.50	.61	.61	.55	.52	.80	.44
3	.45	.32	.45	1.7	.65	.50	.53	.61	.53	.50	.74	.43
4	.45	.37	.45	.97	.55	.52	.55	.65	.47	.54	.90	.51
5	.45	.40	.45	.59	.55	.74	.55	.66	.46	1.2	.85	.44
6	.45	.58	.51	.50	.52	.61	.55	.61	.51	.61	.74	.49
7	.45	.61	.90	.53	.50	.74	.55	.60	.50	.61	.74	.52
8	.45	.43	.45	.43	.47	.52	.55	.67	.58	.49	.66	.50
9	.42	.36	.92	.40	.50	.50	.55	.62	.56	.52	.58	.47
10	.41	.37	.55	.40	.50	.50	.54	.67	.48	.55	.65	.64
11	.40	.60	.37	.33	.52	.47	.53	.72	.53	.55	.80	.61
12	.44	.55	.41	.40	.49	.42	.50	.68	.65	.55	.78	.66
13	.52	.49	.45	.40	.50	.41	.45	.67	.61	.57	.94	.70
14	.61	.43	.44	.48	.49	.45	.44	.65	.50	.78	.93	.74
15	.55	.41	.45	.29	.46	.61	.44	.61	.55	.90	.83	.77
16	.48	.38	.51	.29	.50	.65	.46	.62	.51	.65	.74	.56
17	.45	.37	.58	.35	.50	1.6	.47	.73	.50	.66	.74	.57
18	.45	.37	.55	.46	.50	.59	.50	.74	.52	.68	.77	.57
19	.43	.37	1.0	.52	.50	.51	1.3	.74	.61	.61	.75	.53
20	.45	.37	.50	.50	.52	.50	1.2	.70	.58	.66	.59	.47
21	.45	.37	.47	.49	.50	.48	1.6	.70	.50	.74	.55	.58
22	.45	.40	.52	.49	.49	.83	2.0	.70	.51	.74	.55	.60
23	.45	.39	.56	.50	.48	.50	1.5	.73	.53	.71	.55	.57
24	.45	.40	.53	.65	.45	.50	.52	.74	.51	.78	.60	.56
25	.45	.61	.50	.53	.45	.51	.50	.55	.50	.83	.90	.56
26	.44	.36	.50	.50	.48	.54	.51	.61	.51	.64	.47	.59
27	.61	.34	.50	1.3	.50	.80	.50	.56	.51	.56	.45	.61
28	.55	.43	.47	.56	.74	1.2	.50	.61	.51	.60	.42	.67
29	.41	.45	.45	.50	.55	.55	.61	.55	.54	.55	.45	.66
30	.39	.44	.45	.50	---	.55	1.0	.50	.55	.38	.47	.63
31	.40	---	.65	.50	---	.57	---	.48	---	.61	.42	---
TOTAL	14.26	12.73	16.44	18.01	15.27	18.87	21.42	20.00	15.90	19.85	21.66	17.09
MEAN	.46	.42	.53	.58	.53	.61	.71	.65	.53	.64	.70	.57
MAX	.61	.61	1.0	1.7	.92	1.6	2.0	.74	.65	1.2	1.3	.77
MIN	.39	.32	.37	.29	.45	.41	.44	.48	.46	.38	.42	.43

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

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	.59	.59	.67	.79	.67	.73	.75	.69	.64	.59	.65	.66	.66
MAX	1.04	1.35	1.83	1.81	1.72	1.82	1.69	1.35	1.48	1.21	1.23	1.36	1.36
(WY)	1985	1985	1985	1985	1985	1985	1984	1985	1985	1984	1984	1984	1984
MIN	.36	.38	.39	.37	.39	.42	.45	.39	.33	.30	.41	.44	.44
(WY)	1989	1994	1994	1989	1989	1989	1994	1987	1995	1993	1993	1994	1994

## SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1984 - 1996

ANNUAL TOTAL	180.65	211.50	
ANNUAL MEAN	.49	.58	
HIGHEST ANNUAL MEAN			.63
LOWEST ANNUAL MEAN			1.26
HIGHEST DAILY MEAN	3.4	Aug 26	2.0
LOWEST DAILY MEAN	.21	Jun 14	.29
ANNUAL SEVEN-DAY MINIMUM	.23	Jun 8	.36
INSTANTANEOUS PEAK FLOW			Unknown
INSTANTANEOUS PEAK STAGE			1.73
10 PERCENT EXCEEDS	.60		.76
50 PERCENT EXCEEDS	.45		.52
90 PERCENT EXCEEDS	.36		.42

\* Also occurred on Sept. 30, 1988, Oct. 1, 2, 1988.

\*\*Also occurred on Jan. 16.

\*\*\* Also occurred on Aug. 24.



## SAVANNAH RIVER BASIN

021973426 C-004 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°14'20'', long 81°40'25'', Barnwell County, Hydrologic Unit 03060106, near left bank 100 ft downstream from SRS Road 3, 0.5 mi south of C-Area, 0.6 mi west of junction of SRS Roads 3 and 5 at Savannah River Site.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1983 to December 1988, January 1989 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 220 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges, June 26 to July 9. Records fair. Flow regulated by Savannah River Site operations.

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	7.5	6.4	8.2	6.6	6.0	6.8	8.2	4.4	4.4	5.2	4.8
2	12	7.3	6.4	8.0	7.9	6.0	6.1	8.1	4.4	4.2	4.4	4.9
3	11	7.6	5.7	7.8	7.2	6.0	6.1	8.2	4.3	4.1	4.3	5.1
4	11	7.6	5.8	7.2	6.6	6.1	6.2	8.4	4.3	4.0	6.1	5.5
5	11	6.4	5.9	7.1	6.5	6.4	6.2	8.3	4.2	8.5	4.7	5.6
6	11	6.8	6.1	6.7	6.4	6.9	6.3	8.2	4.2	9.8	4.3	5.3
7	10	12	9.4	6.6	6.6	18	6.3	9.0	4.2	7.3	4.3	5.8
8	10	8.1	6.8	6.5	6.6	6.6	6.2	8.3	4.4	6.7	4.2	6.0
9	11	7.9	7.9	6.6	6.6	6.3	6.1	8.0	4.3	6.5	4.1	6.1
10	12	7.9	7.1	6.6	6.6	6.3	6.1	7.9	4.2	6.7	4.1	8.0
11	11	8.8	7.0	6.6	7.2	5.9	6.2	7.5	4.2	6.1	4.2	6.9
12	11	8.6	7.2	6.7	6.5	6.0	6.3	7.3	4.2	5.6	4.2	6.8
13	11	8.8	7.1	6.4	6.6	6.0	6.6	7.0	4.2	5.2	5.3	6.6
14	12	8.7	7.5	6.5	6.5	5.9	6.9	6.5	4.1	5.3	4.5	6.7
15	10	8.4	7.4	6.3	5.9	6.4	7.5	6.4	4.0	5.5	3.9	6.5
16	10	8.4	7.3	6.2	6.1	6.4	7.5	6.5	4.1	5.2	3.9	6.4
17	10	8.7	6.9	6.3	6.1	8.9	7.7	6.4	4.3	5.2	3.9	6.3
18	10	8.8	6.8	6.5	6.2	6.5	7.6	6.4	4.1	5.3	4.1	6.5
19	9.4	8.7	14	6.6	6.2	6.2	8.2	6.1	4.7	5.1	4.0	6.3
20	9.4	8.2	7.0	6.5	6.2	5.9	8.3	6.0	4.9	4.7	4.0	6.2
21	10	8.0	7.1	6.7	6.2	5.9	8.3	6.0	4.8	4.7	4.0	6.3
22	11	7.7	7.0	6.8	5.8	6.4	8.6	5.8	4.7	4.8	4.0	6.3
23	11	7.4	6.8	6.8	5.7	6.3	8.6	5.6	4.6	4.6	4.0	6.2
24	9.8	7.7	6.9	7.1	5.6	6.2	8.0	5.5	4.7	4.6	4.3	6.2
25	9.5	6.7	6.8	6.4	5.8	6.2	8.3	5.1	4.7	4.4	9.0	6.2
26	8.5	6.3	7.0	6.5	5.8	6.2	8.4	5.1	4.6	4.2	4.3	6.4
27	12	6.3	7.2	9.6	5.8	6.9	8.2	4.8	4.4	4.1	4.5	6.3
28	9.3	6.4	7.3	6.4	7.1	13	8.7	5.1	4.4	4.1	4.5	6.4
29	8.1	6.4	7.3	6.6	5.9	6.2	9.4	4.6	4.6	4.0	4.7	6.6
30	7.8	6.4	7.3	6.9	---	6.2	9.9	4.6	4.5	4.1	4.8	6.7
31	7.6	---	7.3	6.8	---	6.5	---	4.5	---	4.3	4.8	---
TOTAL	321.4	234.5	223.7	212.5	184.8	214.7	221.6	205.4	131.7	163.3	140.6	185.9
MEAN	10.4	7.82	7.22	6.85	6.37	6.93	7.39	6.63	4.39	5.27	4.54	6.20
MAX	14	12	14	9.6	7.9	18	9.9	9.0	4.9	9.8	9.0	8.0
MIN	7.6	6.3	5.7	6.2	5.6	5.9	6.1	4.5	4.0	4.0	3.9	4.8

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

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	32.0	39.0	45.1	78.9	52.6	56.2	67.5	67.3	66.3	44.7	44.4	40.8	
MAX	232	356	393	407	399	366	400	399	378	381	382	382	
(WY)	1985	1985	1985	1985	1985	1985	1985	1985	1984	1984	1984	1984	
MIN	3.81	1.68	4.14	6.85	4.78	2.54	.80	.027	.17	1.17	.002	1.61	
(WY)	1995	1995	1995	1996	1989	1994	1987	1987	1987	1994	1987	1987	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1984 - 1996

ANNUAL TOTAL	3050.8	2440.1	
ANNUAL MEAN	8.36	6.67	
HIGHEST ANNUAL MEAN			37.4
LOWEST ANNUAL MEAN			287
HIGHEST DAILY MEAN	70	Feb 18	4.05
LOWEST DAILY MEAN	3.8	Jan 1	439
ANNUAL SEVEN-DAY MINIMUM	5.7	Mar 11	.00
INSTANTANEOUS PEAK FLOW			.00
INSTANTANEOUS PEAK STAGE			570
10 PERCENT EXCEEDS	11		5.45
50 PERCENT EXCEEDS	6.7		376
90 PERCENT EXCEEDS	5.8		8.4
			3.2

\* No flow many days in Apr. - Sept. 1987.

\*\* Also occurred on Aug. 16, 17.

SAVANNAH RIVER BASIN  
021973426 C-004 AT SAVANNAH RIVER SITE, SC--Continued  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1984 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: March 1984 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 72.3°C, Aug. 19, 21, 1984; minimum, 3.0°C, Dec. 24, 1989.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 27.5°C, July 22 - 25, 30; minimum, 6.0°C, Jan. 9, Feb. 5, 6.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.0	21.5	22.0	19.0	17.5	18.0	12.0	11.0	11.5	11.0	10.0	10.5
2	23.5	22.0	22.5	20.0	19.0	19.5	13.0	11.0	11.5	12.0	11.0	11.5
3	23.5	22.5	23.0	20.0	20.0	20.0	13.0	11.0	12.0	12.0	11.0	12.0
4	24.0	23.0	23.5	20.0	17.5	18.5	13.0	12.0	12.5	11.0	9.5	10.0
5	24.5	23.5	24.0	17.5	15.5	16.0	14.0	13.0	13.5	9.5	8.0	9.0
6	24.0	23.0	23.5	16.5	14.5	15.5	14.0	13.0	13.5	9.5	8.5	9.0
7	24.0	23.0	23.5	17.5	16.0	16.5	14.0	12.0	13.5	9.5	7.5	9.0
8	23.0	21.5	22.5	17.5	15.0	16.5	12.0	11.0	11.0	7.5	6.5	7.0
9	23.0	21.5	22.0	15.0	13.0	14.0	11.0	11.0	11.0	7.0	6.0	6.5
10	22.5	21.5	22.0	15.0	13.0	14.0	11.0	9.5	10.0	8.0	6.5	7.0
11	23.0	22.5	22.5	16.0	15.0	15.5	10.0	8.5	9.0	7.5	7.0	7.5
12	22.5	22.0	22.5	15.0	13.0	13.5	10.0	8.5	9.0	8.0	7.5	8.0
13	23.0	22.5	22.5	14.0	12.0	13.0	10.0	9.0	9.5	8.5	7.0	7.5
14	23.5	23.0	23.0	14.0	13.0	13.5	11.0	10.0	10.5	9.0	7.0	8.0
15	23.0	20.5	22.0	13.0	12.0	12.5	12.0	11.0	11.5	9.5	8.0	8.5
16	20.5	19.0	20.0	13.0	11.0	12.0	14.0	12.0	13.0	9.5	8.5	9.0
17	20.0	18.5	19.5	13.0	11.0	11.5	13.0	13.0	13.0	9.5	9.0	9.0
18	20.5	18.5	19.5	13.0	11.0	12.0	13.0	12.0	12.0	11.0	9.5	10.0
19	21.0	19.5	20.0	14.0	12.0	12.5	12.0	11.0	11.5	11.5	9.5	11.0
20	21.0	19.5	20.0	14.0	12.0	13.5	12.0	11.0	11.5	9.5	7.5	8.5
21	20.5	18.5	19.5	14.0	13.0	13.5	11.0	9.5	10.0	8.5	8.0	8.0
22	18.5	17.0	18.0	13.0	11.0	12.0	9.5	8.5	9.0	8.5	7.0	7.5
23	19.0	17.0	18.0	12.0	10.0	11.5	9.5	8.5	9.0	9.0	7.5	8.0
24	20.5	19.0	19.5	12.0	12.0	12.0	9.0	8.0	8.5	10.5	9.0	9.5
25	21.0	19.5	20.0	12.0	11.0	12.0	8.5	7.5	8.0	10.0	8.0	9.0
26	20.5	19.0	20.0	12.0	10.0	11.0	8.5	7.5	8.0	10.0	8.0	8.5
27	20.5	19.0	20.0	12.0	11.0	11.5	8.5	7.5	8.0	11.5	10.0	10.5
28	20.5	19.5	20.0	14.0	12.0	13.0	8.5	7.5	8.0	10.5	8.5	9.0
29	19.5	17.0	18.0	15.0	14.0	14.5	8.0	7.0	7.5	9.5	8.5	9.0
30	18.0	16.5	17.5	14.0	12.0	13.0	9.0	7.5	8.0	10.5	9.0	9.5
31	17.5	17.5	17.5	---	---	---	10.0	9.0	9.5	11.5	10.5	11.0
MONTH	24.5	16.5	20.9	20.0	10.0	14.1	14.0	7.0	10.5	12.0	6.0	9.0



## SAVANNAH RIVER BASIN

02197344 FOUR MILE CREEK AT ROAD A-12.2 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°11'21'', long 81°43'26'', Barnwell County, Hydrologic Unit 03060106, on left downstream side of bridge on SRS Road A-12.2, 500 ft northwest of SRS Road A-13, 1.0 mi southeast of Area D, at Savannah River Site.

DRAINAGE AREA.--22.0 mi<sup>2</sup>.

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

GAGE.--Data collection platform. Elevation of gage is 110 ft above sea level (from topographic map). Prior to Oct. 1, 1990, at datum 1.0 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	25	25	48	28	30	56	32	18	15	47	18
2	22	23	24	36	29	27	36	24	18	15	87	20
3	22	24	24	31	45	25	30	22	18	14	42	20
4	23	25	24	28	31	25	28	20	17	14	26	20
5	23	24	25	25	27	25	28	20	19	30	91	29
6	22	23	25	25	27	37	30	19	17	64	63	25
7	22	36	75	30	26	119	32	19	16	28	32	21
8	21	58	57	29	27	84	28	25	20	21	24	19
9	21	34	40	26	27	36	27	21	36	22	21	18
10	21	27	41	26	27	32	26	19	22	20	24	18
11	21	32	30	26	28	31	26	19	20	17	22	40
12	21	35	28	31	26	29	25	18	19	17	39	25
13	21	29	28	27	25	29	25	18	34	17	29	19
14	24	27	27	25	27	27	25	19	27	17	70	17
15	32	26	28	25	27	30	25	19	24	25	43	17
16	26	25	27	24	26	42	25	20	23	32	26	19
17	22	27	26	24	27	62	24	19	20	24	21	23
18	22	24	26	27	26	67	23	17	18	23	19	19
19	21	24	79	29	25	39	24	17	22	18	24	17
20	20	24	64	26	32	34	26	16	25	16	19	18
21	20	24	32	24	30	30	25	15	19	21	17	16
22	19	24	28	23	28	28	24	15	18	18	16	19
23	19	24	26	24	28	27	24	15	17	16	16	18
24	20	25	25	30	25	27	22	16	17	18	15	18
25	20	25	25	32	25	26	21	24	18	18	122	16
26	19	24	25	27	25	27	22	21	17	24	60	15
27	21	24	25	57	25	31	22	57	15	18	27	15
28	54	24	25	48	45	94	22	46	14	19	22	16
29	34	26	25	29	51	56	23	40	15	20	21	19
30	23	24	25	28	---	36	45	25	16	16	19	25
31	23	---	27	30	---	35	---	21	---	17	18	---
TOTAL	722	816	1011	920	845	1247	819	698	599	654	1122	599
MEAN	23.3	27.2	32.6	29.7	29.1	40.2	27.3	22.5	20.0	21.1	36.2	20.0
MAX	54	58	79	57	51	119	56	57	36	64	122	40
MIN	19	23	24	23	25	25	21	15	14	14	15	15

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1996, BY WATER YEAR (WY)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	152	160	190	199	161	139	157	154	147	156	155	149								
MAX	437	403	405	437	415	415	424	461	414	421	415	403								
(WY)	1978	1984	1984	1978	1983	1981	1984	1980	1984	1977	1982	1984								
MIN	17.3	19.7	16.8	18.8	17.6	23.0	17.6	16.8	15.5	14.5	14.6	12.6								
(WY)	1988	1989	1989	1989	1989	1990	1990	1989	1990	1988	1988	1994								

## SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1977 - 1996

ANNUAL TOTAL	12939	10052	107
ANNUAL MEAN	35.4	27.5	370
HIGHEST ANNUAL MEAN			20.4
LOWEST ANNUAL MEAN			1200
HIGHEST DAILY MEAN	319	Feb 18	6.7
LOWEST DAILY MEAN	14	Jul 23	7.6
ANNUAL SEVEN-DAY MINIMUM	16	Jul 19	Unknown
INSTANTANEOUS PEAK FLOW			6.72
INSTANTANEOUS PEAK STAGE			Aug 2 1991
10 PERCENT EXCEEDS	53	40	413
50 PERCENT EXCEEDS	25	25	51
90 PERCENT EXCEEDS	19	17	18

\* Also occurred on July 9, 10, 1990.

\*\* Also occurred on July 3, 4.

## SAVANNAH RIVER BASIN

02197344 FOUR MILE CREEK AT ROAD A-12.2 AT SAVANNAH RIVER SITE, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: March 1995 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 29.5°C, several days in July, 1995, June 23 - 25, 1996; minimum 3.0°C, Feb. 5, 6, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 29.5°C, June 23 - 25; minimum, 3.0°C, Feb. 5, 6.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22.5	19.5	21.0	18.0	15.5	17.0	12.0	9.5	10.5	12.5	11.0	12.0
2	23.5	20.0	21.5	20.0	18.0	19.0	12.0	9.0	10.5	14.5	12.5	13.5
3	23.5	21.0	22.0	20.0	19.0	19.5	12.0	9.0	10.5	14.5	10.5	13.0
4	24.0	22.0	23.0	19.0	15.0	17.0	13.5	10.0	11.5	10.5	8.0	9.0
5	24.5	23.5	24.0	15.0	12.5	13.0	15.0	13.0	14.0	9.0	6.5	8.0
6	23.5	22.0	23.0	14.0	11.0	12.5	15.0	13.5	14.5	10.0	7.0	8.5
7	24.0	21.5	22.5	16.5	13.5	15.0	15.0	11.0	13.5	9.5	6.0	8.0
8	22.0	19.0	21.0	15.5	13.5	14.5	11.0	8.5	9.5	6.0	3.5	5.0
9	22.0	19.0	20.5	13.5	10.5	11.5	10.0	9.5	10.0	6.0	3.5	5.0
10	21.5	19.5	20.5	12.5	9.0	11.0	10.0	7.5	8.5	8.0	5.0	6.5
11	22.0	21.0	21.5	14.5	12.5	13.5	7.5	6.0	7.0	7.5	5.5	6.5
12	21.5	20.5	21.0	13.0	10.0	11.5	8.0	5.5	6.5	8.5	7.5	8.0
13	22.5	21.0	22.0	11.5	9.0	10.5	9.0	6.5	7.5	8.5	6.0	7.5
14	24.0	22.0	22.5	12.5	11.0	11.5	11.0	8.0	9.0	9.5	6.0	7.5
15	22.5	18.5	20.5	11.0	9.0	10.0	13.5	10.5	12.0	11.0	7.5	9.0
16	18.5	16.0	17.5	10.5	8.5	9.5	16.0	13.0	14.5	11.0	9.0	10.0
17	18.0	15.0	16.5	10.5	8.0	9.5	15.0	13.5	14.0	11.0	10.0	10.5
18	18.5	15.5	17.0	11.5	8.5	10.0	13.5	12.0	12.5	15.0	11.0	12.5
19	19.5	16.5	18.0	12.5	9.5	11.0	14.0	11.0	12.5	14.5	10.0	13.0
20	20.0	16.5	18.5	13.0	10.5	12.0	13.0	10.5	11.5	10.0	6.5	8.0
21	19.0	15.5	17.0	13.5	11.5	12.5	10.5	7.5	8.5	8.5	6.5	7.5
22	16.5	13.0	15.0	12.0	9.5	10.5	8.0	6.0	7.0	8.5	5.5	7.0
23	16.5	13.0	15.0	10.5	8.0	9.5	7.5	6.0	7.0	10.5	6.0	8.0
24	19.5	16.0	17.5	11.5	10.0	10.5	7.0	5.0	6.0	12.0	9.5	10.5
25	20.0	17.5	19.0	11.5	10.0	11.0	6.5	4.0	5.5	10.5	7.5	9.0
26	19.5	17.0	18.0	11.0	8.5	10.0	6.5	4.5	5.5	12.0	7.0	9.0
27	20.0	17.0	18.5	12.0	9.0	10.5	7.0	4.5	5.5	13.5	10.5	12.5
28	20.0	17.5	18.5	15.5	11.5	13.5	7.0	4.5	5.5	10.5	7.0	8.5
29	17.5	14.5	15.5	16.5	15.0	15.5	6.5	4.0	5.5	10.0	7.5	8.5
30	15.5	13.5	14.5	15.0	12.0	13.0	9.0	5.0	6.5	12.5	9.0	10.5
31	15.5	14.5	15.0	---	---	---	11.0	9.0	10.0	14.0	12.0	13.0
MONTH	24.5	13.0	19.3	20.0	8.0	12.5	16.0	4.0	9.4	15.0	3.5	9.2



## SAVANNAH RIVER BASIN

02197344 FOUR MILE CREEK AT ROAD A-12.2 AT SAVANNAH RIVER SITE, SC--Continued

TEMPERATURE (°C) OF WATER. WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	13.0	11.5	12.0	14.5	12.5	13.5	16.0	15.0	15.5	21.0	16.0	18.5
2	12.0	9.5	11.0	15.5	12.5	14.0	17.5	13.0	15.0	22.5	16.5	19.5
3	9.5	6.5	8.0	14.5	10.5	12.5	18.0	12.5	15.5	23.5	17.5	20.5
4	6.5	5.0	6.0	14.5	9.5	12.0	19.5	14.5	17.0	25.5	19.5	22.5
5	6.0	3.0	4.5	15.5	10.5	13.0	20.5	16.0	18.5	26.0	20.5	23.5
6	7.0	3.0	5.0	15.5	13.5	14.5	19.5	14.0	16.0	27.0	22.0	24.5
7	8.0	4.5	6.0	16.0	14.5	15.5	17.0	13.0	14.5	26.5	22.0	24.5
8	10.5	6.0	8.0	14.5	10.0	12.0	16.5	12.5	14.5	26.5	22.5	24.5
9	14.0	10.0	11.5	10.0	7.0	9.0	17.5	14.0	15.5	27.0	22.5	25.0
10	13.0	9.5	11.5	10.0	6.0	8.0	16.5	12.0	14.5	27.0	22.0	24.5
11	14.0	12.0	13.0	11.0	7.0	9.0	17.5	11.5	14.5	26.5	22.5	24.5
12	12.5	9.0	10.5	12.0	7.5	9.5	19.0	13.5	16.0	26.0	22.5	24.0
13	10.0	6.5	8.5	13.0	8.0	10.5	19.0	15.5	17.0	23.5	19.0	20.0
14	11.5	7.5	9.5	15.0	9.5	12.0	22.5	17.5	19.5	22.0	16.5	19.5
15	14.0	10.5	12.0	17.0	13.0	15.0	21.5	19.0	20.0	21.0	18.0	19.5
16	13.5	9.0	11.0	18.0	14.0	16.0	20.0	16.5	18.5	24.0	17.5	21.0
17	9.5	6.0	8.0	17.0	15.5	16.0	20.0	15.0	17.5	26.0	20.0	23.0
18	10.5	6.0	8.5	16.0	14.5	15.5	20.5	15.5	18.0	27.5	21.5	24.5
19	11.5	8.0	9.5	15.5	12.5	14.5	19.5	17.5	18.5	28.0	22.5	25.5
20	14.5	11.0	12.5	12.5	10.0	11.0	22.5	17.5	20.0	28.5	23.0	26.0
21	15.0	11.5	13.0	10.5	8.0	9.5	24.0	18.5	21.0	28.5	23.0	26.0
22	15.5	12.5	14.0	12.5	7.5	10.0	25.0	20.0	22.5	28.0	23.5	26.0
23	15.5	13.5	14.5	14.0	8.5	11.0	24.5	21.0	22.5	27.5	23.5	25.5
24	17.5	13.5	15.5	15.5	10.0	13.0	22.5	18.0	20.5	29.0	23.5	26.0
25	16.0	11.5	14.0	15.0	12.5	14.0	21.5	16.0	19.0	26.0	22.5	24.0
26	17.0	12.0	14.5	18.5	13.5	15.5	20.5	18.5	19.5	27.5	21.5	24.5
27	18.0	14.0	16.0	17.5	13.5	15.0	22.5	17.5	20.0	25.5	22.5	24.0
28	17.0	15.0	15.5	13.5	11.5	12.0	23.0	16.5	20.0	24.0	22.5	23.0
29	16.0	13.5	14.5	15.5	11.0	12.5	22.0	20.5	21.5	26.5	21.0	23.5
30	---	---	---	15.5	13.5	14.5	22.0	19.0	20.5	25.0	22.0	23.0
31	---	---	---	15.5	13.5	14.5	---	---	---	24.5	19.0	21.5
MONTH	18.0	3.0	11.0	18.5	6.0	12.7	25.0	11.5	18.1	29.0	16.0	23.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	24.0	18.0	21.0	28.5	23.0	25.5	25.5	24.0	24.5	23.0	22.0	22.5

## SAVANNAH RIVER BASIN

021973441 FOUR MILE CREEK AT ROAD 13 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°10'13'', long 81°44'31'', Barnwell County, Hydrologic Unit 03060106, on left bank, 150 ft from Road 13, and approximately 2.0 mi upstream from the mouth of the confluence of the Savannah River and Four Mile Branch.

PERIOD OF RECORD.--February 1994 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 90 ft above sea level (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.03 ft, Feb. 18, 1995; minimum gage height, 8.83 ft, July 13, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.59 ft, Feb. 15; minimum gage height, 8.97 ft, July 4, 5.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.11	9.26	9.56	9.80	9.48	9.55	10.08	9.70	9.19	9.05	9.73	9.18
2	9.10	9.24	9.54	9.73	9.52	9.45	9.84	9.39	9.15	9.04	10.38	9.24
3	9.08	9.21	9.41	9.54	10.05	9.38	9.62	9.31	9.18	9.01	10.08	9.25
4	9.10	9.27	9.29	9.47	10.06	9.34	9.55	9.27	9.13	8.99	9.52	9.25
5	9.11	9.25	9.31	9.38	9.82	9.35	9.53	9.26	9.18	9.27	9.77	9.53
6	9.09	9.23	9.32	9.35	10.32	9.56	9.56	9.23	9.12	10.14	10.37	9.45
7	9.09	9.48	10.04	9.45	11.19	10.37	9.65	9.21	9.10	9.55	9.72	9.31
8	9.06	10.06	10.14	9.48	11.45	10.37	9.55	9.39	9.19	9.21	9.42	9.23
9	9.05	9.75	9.79	9.39	11.49	9.76	9.51	9.27	9.70	9.20	9.31	9.19
10	9.06	9.43	9.86	9.37	11.50	10.32	9.46	9.22	9.31	9.15	9.36	9.17
11	9.06	9.46	9.59	9.37	11.51	10.79	9.44	9.19	9.20	9.06	9.32	9.64
12	9.04	9.66	9.48	9.48	11.50	10.97	9.43	9.19	9.17	9.05	9.69	9.54
13	9.05	9.49	9.46	9.42	11.52	11.03	9.41	9.19	9.57	9.04	9.69	9.29
14	9.13	9.42	9.42	9.35	11.56	11.02	9.41	9.21	9.45	9.04	9.92	9.19
15	9.49	9.42	9.44	9.33	11.58	11.12	9.40	9.21	9.42	9.24	10.10	9.16
16	9.32	9.54	9.40	9.32	11.51	11.40	9.42	9.23	9.28	9.51	9.52	9.20
17	9.17	9.97	9.40	9.31	11.24	11.45	9.38	9.21	9.20	9.36	9.35	9.35
18	9.12	10.27	9.39	9.38	10.90	11.22	9.37	9.17	9.13	9.24	9.24	9.25
19	9.13	10.45	10.06	9.47	10.40	10.87	9.35	9.17	9.19	9.13	9.36	9.17
20	9.10	10.54	10.19	9.39	10.05	10.69	9.42	9.12	9.38	9.04	9.27	9.17
21	9.06	10.57	9.61	9.32	9.77	10.60	9.40	9.08	9.18	9.18	9.20	9.15
22	9.04	10.49	9.49	9.29	9.62	10.75	9.37	9.07	9.13	9.13	9.14	9.19
23	9.04	10.16	9.41	9.30	9.60	11.07	9.36	9.06	9.09	9.06	9.12	9.21
24	9.05	9.82	9.38	9.43	9.57	11.25	9.32	9.07	9.07	9.06	9.12	9.19
25	9.06	9.71	9.36	9.58	9.49	11.30	9.28	9.32	9.09	9.09	10.23	9.15
26	9.07	9.67	9.37	9.41	9.39	11.33	9.29	9.26	9.07	9.24	10.34	9.11
27	9.09	9.64	9.37	9.86	9.33	11.35	9.31	9.70	9.03	9.13	9.63	9.10
28	9.86	9.63	9.37	9.96	9.64	11.32	9.28	10.00	9.01	9.10	9.38	9.12
29	9.76	9.67	9.35	9.50	9.99	10.74	9.30	9.85	9.04	9.18	9.33	9.20
30	9.26	9.58	9.34	9.44	---	10.24	9.81	9.39	9.06	9.07	9.26	---
31	9.20	---	9.39	9.49	---	9.95	---	9.27	---	9.09	9.20	---
MAX	9.86	10.57	10.19	9.96	11.58	11.45	10.08	10.00	9.70	10.14	10.38	9.64
MIN	9.04	9.21	9.29	9.29	9.33	9.34	9.28	9.06	9.01	8.99	9.12	9.10

## SAVANNAH RIVER BASIN

02197345 K-011 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°12'40'', long 81°40'28'', Barnwell County, Hydrologic Unit 03060106, approximately 500 ft upstream of Indian Grave Branch, 0.3 mi upstream of SRS Road B, 0.5 mi west of K-Area, at Savannah River Site.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1983 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 200 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records fair except for Mar. 18 to May 15, which are poor. Flow completely regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	28	29	33	33	33	40	33	27	27	21	17
2	30	28	30	32	33	33	40	32	26	27	18	17
3	30	28	30	33	33	33	41	32	27	26	19	16
4	30	28	30	33	33	33	39	31	27	25	18	18
5	30	28	30	32	33	33	40	30	27	27	19	16
6	30	28	30	32	34	32	44	30	27	25	20	17
7	28	28	31	32	36	33	46	30	28	25	21	17
8	28	28	31	35	37	33	47	30	29	25	21	16
9	30	28	32	37	37	33	47	28	28	25	21	16
10	31	28	31	40	37	33	48	28	28	24	21	17
11	30	28	31	41	35	36	47	26	29	24	22	16
12	30	28	31	40	35	37	47	26	30	25	14	16
13	29	28	31	39	35	39	46	25	29	24	6.1	15
14	28	28	31	39	35	39	47	25	32	24	4.6	15
15	28	28	30	39	35	42	46	23	30	23	3.8	14
16	29	28	30	41	35	44	45	24	31	23	3.2	14
17	30	28	31	42	35	44	44	24	31	23	3.7	14
18	31	28	31	41	35	44	43	24	32	23	4.7	13
19	30	28	32	40	35	46	44	24	33	23	4.6	13
20	30	28	31	41	35	46	43	24	31	23	5.0	12
21	30	28	32	42	35	45	47	24	30	22	5.0	13
22	30	28	32	42	35	44	49	24	30	22	5.0	12
23	30	28	31	42	34	42	47	25	30	21	5.0	12
24	30	28	31	42	33	43	35	26	30	21	7.4	12
25	29	28	31	40	34	42	35	26	30	21	15	12
26	28	28	31	47	33	42	35	27	30	21	16	12
27	28	28	33	48	33	40	35	26	29	21	16	10
28	29	28	31	46	34	42	33	27	29	21	16	11
29	30	28	32	40	33	40	33	27	29	21	16	12
30	30	28	33	33	---	39	33	27	28	21	16	13
31	30	---	33	33	---	38	---	27	---	21	17	---
TOTAL	916	840	963	1197	1000	1203	1266	835	877	724	405.1	428
MEAN	29.5	28.0	31.1	38.6	34.5	38.8	42.2	26.9	29.2	23.4	13.1	14.3
MAX	31	28	33	48	37	46	49	33	33	27	22	18
MIN	28	28	29	32	33	32	33	23	26	21	3.2	10

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

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	173	173	161	147	152	209	198	176	179	191	164	157	
MAX	444	472	449	417	426	454	456	457	433	458	467	463	
(WY)	1987	1987	1986	1988	1988	1988	1987	1987	1986	1987	1987	1984	
MIN	.21	.21	6.40	11.0	32.6	30.2	30.2	26.9	16.5	20.8	13.1	.28	
(WY)	1993	1993	1993	1993	1990	1995	1995	1996	1993	1993	1996	1992	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1984 - 1996

ANNUAL TOTAL	12552	10654.1	
ANNUAL MEAN	34.4	29.1	
HIGHEST ANNUAL MEAN			159
LOWEST ANNUAL MEAN			372
HIGHEST DAILY MEAN	57	Jul 24	22.5
LOWEST DAILY MEAN	28	* Mar 14	497
ANNUAL SEVEN-DAY MINIMUM	28	Nov 1	.20
INSTANTANEOUS PEAK FLOW			.20
INSTANTANEOUS PEAK STAGE			554
10 PERCENT EXCEEDS	45		3.45
50 PERCENT EXCEEDS	31		464
90 PERCENT EXCEEDS	28		56
			28

\* Also occurred on Mar. 17, 18.

SAVANNAH RIVER BASIN  
02197345 K-011 AT SAVANNAH RIVER SITE, SC--Continued  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1984 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: March 1984 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 71.5°C, Jun. 11 - 12, 1986; minimum 5.0°C, Feb. 4, 1993.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 28.5°C, July 21 - 24; minimum, 6.0°C, Feb. 5 - 7.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.0	21.5	22.5	20.0	19.0	19.5	14.5	12.5	13.5	11.0	10.0	10.5
2	24.0	22.0	23.0	20.5	19.5	20.0	15.0	13.0	14.0	12.0	11.0	11.5
3	24.0	22.5	23.0	20.5	20.0	20.0	15.0	12.5	13.5	11.5	10.0	11.0
4	24.5	23.0	23.5	20.0	18.0	19.0	15.0	13.0	14.0	11.0	9.5	10.0
5	24.5	24.0	24.0	18.0	17.0	17.5	15.5	14.0	14.5	11.0	9.0	10.0
6	24.5	23.0	24.0	18.5	16.5	17.5	15.5	14.0	14.5	10.5	9.0	10.0
7	25.0	23.0	24.0	19.0	17.5	18.0	15.0	13.0	14.5	10.0	7.5	9.0
8	24.0	22.0	23.0	18.5	16.0	17.5	13.5	12.5	13.0	8.5	7.0	7.5
9	24.0	22.0	23.0	17.0	15.0	16.0	13.5	12.5	13.0	9.0	7.0	7.5
10	23.5	22.5	23.0	17.0	15.0	16.0	12.5	11.0	12.0	9.0	7.5	8.0
11	23.5	23.0	23.0	17.5	15.5	16.5	12.0	10.5	11.0	8.5	7.0	8.0
12	23.5	22.5	23.0	16.5	14.0	15.0	11.5	10.0	10.5	8.5	8.0	8.0
13	23.5	23.0	23.0	16.0	14.0	15.0	11.5	9.5	10.5	9.0	7.0	8.0
14	24.0	23.0	23.5	15.5	14.0	15.0	12.0	10.0	11.0	9.5	7.5	8.5
15	23.0	21.0	22.5	15.0	13.0	14.0	13.0	11.0	12.0	10.0	8.0	9.0
16	22.5	20.5	21.5	15.0	13.0	14.0	14.0	12.5	13.0	10.0	9.0	9.5
17	21.5	20.0	21.0	15.0	13.0	14.0	13.0	12.5	13.0	10.5	9.5	10.0
18	21.5	20.0	20.5	15.0	13.0	14.0	13.0	12.5	12.5	12.0	10.0	11.0
19	22.0	20.0	21.0	15.5	13.0	14.5	14.0	12.5	13.0	12.0	9.5	11.5
20	22.0	20.0	21.0	15.5	13.5	14.5	13.0	11.5	12.5	11.0	9.0	10.0
21	21.0	19.0	20.0	15.5	13.5	14.5	12.0	10.5	11.5	10.5	9.5	10.0
22	20.5	18.0	19.5	14.5	13.0	13.5	11.0	10.0	10.5	11.0	9.0	10.0
23	20.5	18.0	19.5	14.5	12.5	13.5	11.0	9.5	10.5	11.0	9.0	10.0
24	21.5	20.0	20.5	14.0	13.5	13.5	10.5	9.0	9.5	11.0	9.5	10.5
25	21.5	20.0	21.0	13.5	12.5	13.5	10.0	8.5	9.0	11.0	9.0	9.5
26	21.0	19.5	20.5	14.0	12.0	13.0	10.0	8.0	9.0	11.0	9.0	10.0
27	22.0	20.0	21.0	14.0	12.5	13.5	9.5	8.0	8.5	12.5	10.0	11.0
28	22.0	19.5	21.0	15.5	13.5	14.5	9.5	8.0	8.5	11.0	9.0	10.0
29	20.5	18.5	19.5	16.0	14.5	15.0	9.5	7.5	8.5	11.5	9.5	10.5
30	19.5	18.0	19.0	15.0	13.5	14.0	10.0	8.0	9.0	12.5	10.0	11.0
31	19.0	18.5	19.0	---	---	---	10.5	9.5	10.0	12.5	11.0	11.5
MONTH	25.0	18.0	21.7	20.5	12.0	15.5	15.5	7.5	11.6	12.5	7.0	9.8

## SAVANNAH RIVER BASIN

02197345 K-011, AT SAVANNAH RIVER SITE, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	11.5	10.0	11.0	13.5	12.0	12.5	15.0	13.5	14.0	23.0	19.5	21.0
2	11.0	10.0	10.5	14.5	11.5	12.5	16.5	13.0	14.5	23.0	19.5	21.5
3	10.0	9.0	9.5	14.5	11.0	12.5	17.0	13.5	15.0	23.0	20.0	21.5
4	9.0	7.5	8.5	14.5	11.0	12.5	18.0	14.5	16.0	23.5	20.5	22.0
5	10.5	6.0	8.0	14.5	11.5	13.0	18.5	15.0	16.5	24.5	21.0	22.5
6	10.5	6.0	8.0	14.0	12.5	13.0	15.5	15.0	15.5	25.5	22.5	23.5
7	9.5	6.0	7.5	14.5	12.5	14.0	17.0	15.0	16.0	25.0	22.5	24.0
8	10.5	7.0	8.5	14.5	10.5	12.5	17.5	14.5	16.0	25.0	23.0	24.0
9	11.5	8.5	9.5	14.0	10.0	11.5	17.0	15.0	16.0	25.0	22.5	23.5
10	12.0	8.0	9.5	13.5	10.0	11.0	17.0	14.0	15.5	25.5	22.5	24.0
11	12.5	9.5	10.5	13.0	10.0	11.0	17.5	14.0	15.5	25.5	23.0	24.5
12	12.5	8.5	9.5	13.5	9.0	11.0	18.0	14.5	16.0	26.0	23.5	24.5
13	12.0	7.5	9.5	13.5	9.0	11.5	17.5	15.5	16.5	24.0	23.0	23.5
14	11.5	8.5	10.0	14.5	10.0	12.0	19.5	16.5	18.0	25.0	22.5	23.5
15	13.0	9.5	11.0	14.5	12.0	13.0	18.5	17.0	17.5	24.0	22.5	23.0
16	11.5	8.5	9.5	15.5	12.5	14.0	19.0	16.5	17.5	25.0	22.5	23.5
17	12.0	7.5	9.5	14.0	13.5	14.0	20.0	16.0	18.0	25.5	23.0	24.0
18	12.5	7.5	9.5	15.5	13.5	14.0	20.0	17.0	18.5	26.0	23.0	24.5
19	11.0	8.5	10.0	14.5	12.0	13.5	19.5	17.5	18.5	26.5	23.5	25.0
20	12.0	10.0	10.5	13.0	11.0	12.0	21.0	18.0	19.5	26.5	24.0	25.5
21	13.0	9.5	11.0	13.0	10.5	11.5	22.0	18.5	20.0	27.0	24.0	25.5
22	13.0	10.5	11.5	14.5	10.0	12.0	22.5	19.5	20.5	26.5	24.5	25.5
23	12.5	11.0	12.0	14.5	10.0	12.0	22.5	20.0	21.0	26.5	24.5	25.5
24	15.0	11.0	12.5	15.0	10.5	12.5	23.0	19.5	21.0	26.5	25.0	26.0
25	14.5	10.5	12.0	14.0	11.5	12.5	23.0	19.5	21.0	26.0	25.0	25.5
26	15.0	11.5	13.0	16.0	12.5	14.0	21.5	20.5	21.0	27.0	24.5	25.5
27	15.5	12.5	13.5	13.5	13.0	13.5	23.0	20.0	21.5	27.0	24.5	25.5
28	14.0	13.0	13.5	13.5	12.5	13.0	23.5	19.5	21.5	25.5	25.0	25.0
29	14.5	12.5	13.0	15.5	12.5	13.5	22.5	21.0	21.5	26.5	24.5	25.5
30	---	---	---	14.5	13.0	13.5	22.5	20.5	21.5	25.5	24.0	25.0
31	---	---	---	14.5	13.0	14.0	---	---	---	25.0	23.0	24.0
MONTH	15.5	6.0	10.4	16.0	9.0	12.7	23.5	13.0	18.0	27.0	19.5	24.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	24.5	22.5	23.5	27.0	25.5	26.5	26.5	25.0	25.5	25.0	23.5	24.0
2	24.0	22.5	23.5	27.5	26.0	26.5	26.0	24.5	25.0	25.0	24.0	24.5
3	23.5	22.0	23.0	27.5	26.0	27.0	25.5	24.5	25.0	26.0	24.0	24.5
4	24.5	22.0	23.0	27.0	25.5	26.5	26.0	24.0	25.0	26.0	24.5	25.0
5	24.5	22.5	23.5	26.5	26.0	26.0	26.5	24.5	25.0	25.0	24.5	24.5
6	25.0	22.5	23.5	26.5	26.0	26.0	26.5	24.5	25.0	26.5	23.5	25.0
7	25.0	23.0	24.0	27.5	26.0	26.5	26.5	24.5	25.5	26.5	24.5	25.5
8	25.0	23.5	24.5	27.0	26.0	26.5	27.0	25.0	26.0	27.0	24.5	25.5
9	25.5	23.5	24.5	27.5	26.0	26.5	26.0	25.0	25.5	27.0	24.5	25.5
10	25.5	24.0	25.0	27.5	26.0	26.5	27.0	25.0	25.5	26.5	24.5	25.5
11	26.0	24.5	25.0	27.0	26.0	26.5	26.0	24.5	25.0	26.5	24.5	25.5
12	26.5	24.5	25.5	27.0	26.0	26.0	26.0	24.5	25.0	26.0	24.5	25.0
13	27.0	25.0	26.0	27.0	25.5	26.0	28.0	24.5	25.5	25.5	23.5	24.5
14	27.0	25.5	26.0	27.0	26.0	26.5	26.5	24.5	25.5	25.0	22.0	23.5
15	27.0	25.0	26.0	27.0	26.0	26.5	27.5	24.0	26.0	25.0	22.0	23.5
16	27.0	24.5	25.5	26.5	25.5	26.0	27.0	24.0	25.5	25.0	23.5	24.0
17	26.5	24.5	25.5	27.5	26.0	26.5	27.5	25.0	26.0	26.0	24.0	25.0
18	26.5	24.5	25.5	27.5	26.0	26.5	27.5	26.0	26.5	25.0	23.0	24.0
19	26.5	25.0	26.0	28.0	26.0	27.0	27.5	25.5	26.5	24.5	22.5	23.5
20	27.0	25.0	26.0	28.0	26.5	27.0	27.5	26.0	26.5	24.5	22.0	23.0
21	26.5	24.5	25.5	28.5	26.5	27.5	27.0	26.0	26.5	24.0	22.5	23.0
22	26.5	24.5	25.5	28.5	27.0	27.5	27.0	26.0	26.0	24.5	22.5	23.5
23	26.5	24.5	25.5	28.5	26.5	27.5	27.0	25.5	26.5	24.5	21.5	23.0
24	26.5	25.0	25.5	28.5	27.0	27.5	27.5	25.5	26.0	25.0	22.5	23.5
25	27.5	25.5	26.0	28.0	27.0	27.5	27.0	25.5	26.0	25.0	22.5	23.5
26	27.0	26.0	26.5	28.0	26.5	27.5	26.5	25.0	25.5	25.0	23.0	24.0
27	27.5	26.0	26.5	28.0	26.5	27.0	26.5	25.0	25.5	25.0	23.5	24.0
28	27.0	25.0	26.0	27.5	26.5	27.0	26.0	25.0	25.5	25.0	23.5	24.0
29	27.0	25.0	26.0	28.0	26.0	27.0	26.5	24.5	25.5	24.0	23.0	23.5
30	27.0	25.5	26.0	27.5	26.0	26.5	26.0	24.5	25.0	23.0	22.5	23.0
31	---	---	---	27.5	25.5	26.5	25.5	24.0	24.5	---	---	---
MONTH	27.5	22.0	25.1	28.5	25.5	26.7	28.0	24.0	25.6	27.0	21.5	24.2
YEAR	28.5	6.0	18.8									



## SAVANNAH RIVER BASIN

021973455 INDIAN GRAVE BRANCH AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°12'45'' (revised), long 81°40'31'', Aiken County, Hydrologic Unit 0306106, on right bank, 0.5 mile upstream of Road B and 350 ft upstream of confluence of K-011 reactor discharge, at Savannah River Site.

DRAINAGE AREA.--2.06 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

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

GAGE.--Data collection platform. Elevation of gage is 225 ft above sea level (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, Oct. 1 - 4, 24, Nov. 21, Sept. 11, 12, which are poor. Flow completely regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	.59	.58	2.1	1.6	1.9	1.8	1.4	1.3	1.2	3.1	1.3
2	.48	.60	.58	1.7	1.7	1.8	1.6	1.4	1.3	1.2	1.6	1.3
3	.45	.63	.58	1.6	1.8	1.8	1.5	1.4	1.2	1.1	2.7	1.3
4	.48	.62	.58	1.5	1.6	1.8	1.5	1.4	1.2	1.1	1.6	1.8
5	.50	.60	.58	1.5	1.5	1.9	1.5	1.3	1.3	2.1	1.4	1.8
6	.52	.59	.60	1.5	1.5	2.4	1.6	1.3	1.2	1.5	1.4	1.4
7	.52	1.2	1.7	1.7	1.5	3.4	1.6	1.4	1.2	1.3	1.4	1.4
8	.51	.83	.68	1.6	1.5	2.3	1.5	1.4	1.4	1.2	1.3	1.3
9	.51	.64	.84	1.5	1.5	2.1	1.5	1.3	1.4	1.3	1.3	1.3
10	.53	.62	.67	1.5	1.5	2.0	1.4	1.3	1.3	1.2	1.5	1.9
11	.53	.83	.60	1.5	1.5	2.0	1.4	1.3	1.3	1.2	1.5	1.8
12	.54	.76	.59	1.6	1.5	2.0	1.4	1.3	1.2	1.2	2.2	1.4
13	.54	.64	.58	1.5	2.1	2.0	1.4	1.3	1.4	1.2	1.7	1.4
14	.77	.61	.58	1.5	2.2	2.0	1.4	1.3	4.6	1.2	2.1	1.3
15	.73	.59	.58	1.5	1.8	2.2	1.4	1.3	1.6	1.3	1.5	1.4
16	.57	.60	.56	1.5	1.8	2.4	1.4	1.3	1.1	1.4	1.4	1.4
17	.59	.58	.54	1.5	1.8	3.4	1.4	1.3	1.2	1.3	1.4	1.4
18	.56	.65	.54	1.5	1.8	2.5	1.4	1.3	1.2	1.3	1.7	1.3
19	.57	.58	3.1	1.6	1.8	2.2	1.4	1.3	1.3	1.3	1.6	1.3
20	.56	.64	1.7	1.5	2.0	2.1	1.5	1.2	1.3	1.3	1.4	1.3
21	.55	.51	1.6	1.5	1.9	2.1	1.4	1.2	1.3	1.3	1.4	1.3
22	.57	.58	1.5	1.5	1.8	2.0	1.4	1.2	1.3	1.2	1.4	1.4
23	.54	.63	1.5	1.5	1.8	2.0	1.4	1.2	1.2	1.2	1.4	1.3
24	.52	.60	1.5	1.6	1.8	2.0	1.4	1.3	1.2	1.2	1.6	1.3
25	.54	.57	1.5	1.5	1.7	2.0	1.4	1.7	1.3	1.3	3.1	1.3
26	.53	.60	1.5	1.5	1.8	2.0	1.4	1.3	1.3	1.3	1.4	1.3
27	.71	.59	1.5	2.5	1.8	2.3	1.4	1.3	1.3	1.3	1.3	1.3
28	1.0	.59	1.5	1.6	2.6	3.6	1.3	1.5	1.2	1.3	1.3	1.4
29	.59	.59	1.5	1.6	2.0	1.9	1.4	1.4	1.2	1.3	1.3	1.5
30	.56	.58	1.5	1.5	---	1.6	1.8	1.3	1.2	1.2	1.3	1.6
31	.58	---	1.6	1.6	---	1.6	---	1.3	---	1.4	1.3	---
TOTAL	17.67	19.24	33.46	49.3	51.2	67.3	43.9	41.2	41.5	39.9	50.6	42.5
MEAN	.57	.64	1.08	1.59	1.77	2.17	1.46	1.33	1.38	1.29	1.63	1.42
MAX	1.0	1.2	3.1	2.5	2.6	3.6	1.8	1.7	4.6	2.1	3.1	1.9
MIN	.45	.51	.54	1.5	1.5	1.6	1.3	1.2	1.1	1.1	1.3	1.3

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

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	1.46	1.34	1.40	1.72	1.41	1.68	1.14	.85	.96	1.05
MAX	3.25	4.05	5.54	4.89	3.06	3.60	2.92	1.65	1.59	2.69
(WY)	1993	1993	1993	1993	1993	1992	1992	1992	1992	1991
MIN	.35	.33	.30	.38	.44	.47	.52	.29	.43	.23
(WY)	1989	1991	1991	1989	1989	1990	1990	1988	1987	1988

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1987 - 1996

ANNUAL TOTAL	382.69	497.77	
ANNUAL MEAN	1.05	1.36	
HIGHEST ANNUAL MEAN			1.34
LOWEST ANNUAL MEAN			2.65
HIGHEST DAILY MEAN	7.8	Feb 18	40
LOWEST DAILY MEAN	.45	Oct 3	.07
ANNUAL SEVEN-DAY MINIMUM	.49	Oct 2	.09
INSTANTANEOUS PEAK FLOW			52
INSTANTANEOUS PEAK STAGE			3.99
10 PERCENT EXCEEDS	1.7	2.0	5.90
50 PERCENT EXCEEDS	.85	1.4	2.5
90 PERCENT EXCEEDS	.54	.58	.94
			.32

\* Also occurred on June 12, 1987.

SAVANNAH RIVER BASIN  
021973455 INDIAN GRAVE BRANCH AT SAVANNAH RIVER SITE, SC  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1992 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1991 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 30.5°C, June 11, 1993; minimum, 2.5°C, Jan. 19 - 22, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 29.0°C, July 23, 24; minimum, 3.5°C, Jan. 8, Feb. 5, 6.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	18.0	16.0	17.0	---	---	---	11.0	9.5	10.5
2	---	---	---	20.0	18.0	19.0	---	---	---	12.5	11.0	12.0
3	---	---	---	19.5	19.0	19.5	11.5	9.5	10.5	12.5	9.5	11.5
4	---	---	---	19.0	15.5	17.0	12.5	10.0	11.0	9.5	7.5	8.5
5	---	---	---	15.5	12.5	13.5	14.0	12.5	13.0	8.5	6.5	7.5
6	---	---	---	14.5	11.5	13.0	14.5	12.5	13.5	8.5	6.5	7.5
7	---	---	---	16.0	14.0	15.0	14.0	11.0	13.0	10.0	5.0	8.0
8	---	---	---	15.5	13.5	14.5	11.0	8.5	9.5	5.0	3.5	4.5
9	---	---	---	13.5	11.0	12.0	10.0	9.0	9.5	5.5	4.0	5.0
10	---	---	---	13.0	10.0	11.5	9.5	7.5	8.0	6.5	4.5	5.5
11	---	---	---	14.5	12.0	13.0	7.5	5.5	6.5	6.5	5.0	6.0
12	22.0	21.0	21.5	12.0	10.0	11.0	7.5	5.5	6.5	7.5	6.5	7.0
13	23.0	21.5	22.0	11.5	9.0	10.5	8.0	6.0	7.0	7.5	5.5	6.5
14	24.5	22.5	23.0	12.0	10.5	11.5	10.0	7.5	8.5	8.5	5.5	7.0
15	22.5	19.5	20.5	10.5	9.0	10.0	12.5	9.5	11.0	9.5	7.0	8.0
16	19.5	17.0	18.5	10.5	8.5	9.5	14.5	12.0	13.0	9.5	8.0	9.0
17	19.0	16.0	17.5	10.5	8.5	9.5	13.5	12.0	12.5	10.0	9.0	9.5
18	20.0	16.5	18.0	11.0	8.5	10.0	12.5	11.0	11.5	13.0	10.0	11.5
19	20.5	17.5	19.0	12.5	9.5	11.0	13.0	10.5	12.0	13.5	10.0	12.5
20	20.5	17.5	19.0	12.5	10.5	11.5	12.5	10.0	11.0	10.0	7.0	8.0
21	19.0	16.5	17.5	13.5	11.5	12.5	10.0	7.5	8.5	8.0	7.0	7.5
22	17.0	14.5	16.0	12.0	9.5	10.5	7.5	6.0	6.5	8.5	6.0	7.0
23	17.5	14.5	16.0	10.5	8.5	9.5	7.5	6.0	6.5	9.5	6.0	7.5
24	20.0	16.5	18.5	11.0	10.0	10.5	6.5	5.0	6.0	11.0	9.5	10.0
25	20.5	18.5	19.5	11.0	9.5	10.5	6.0	4.5	5.5	9.5	7.5	8.5
26	20.0	17.5	19.0	10.5	8.0	9.5	6.0	4.5	5.5	14.0	7.0	9.5
27	20.5	18.0	19.0	11.5	8.5	10.0	6.0	4.5	5.5	19.5	10.5	15.0
28	20.0	18.0	19.0	14.0	11.0	12.5	6.0	4.5	5.5	10.5	7.0	8.5
29	18.0	15.5	16.5	15.5	14.0	14.5	6.0	4.5	5.5	9.5	7.5	8.5
30	16.0	14.5	15.5	14.0	11.5	12.0	8.0	5.0	6.0	11.0	8.5	10.0
31	16.0	15.0	15.5	---	---	---	9.5	8.0	9.0	12.5	10.5	11.5
MONTH	24.5	14.5	18.5	20.0	8.0	12.4	14.5	4.5	8.9	19.5	3.5	8.7



## SAVANNAH RIVER BASIN

021973457 INDIAN GRAVE BRANCH AT ROAD B AT SAVANNAH RIVER SITE, SC

## WATER-QUALITY RECORDS

LOCATION.--Lat 33°12'31'', long 81°43'07'', Barnwell County, Hydrologic Unit 03060106, on right upstream side of bank, at end of steel walkway on Indian Grave Branch at K-011 outfall, at Road B at Savannah River Site.

PERIOD OF RECORD.--Water years 1992 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: January 1992 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 28.0°C, July 22 - 24, Aug. 18, 1996; minimum, 5.0°C, Jan. 19 - 22, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 28.0°C, July 22 - 24, Aug. 18; minimum, 5.5°C, Feb. 6, 7.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	22.0	21.5	21.5	18.5	18.5	18.5	13.5	13.0	13.5	10.0	9.5	9.5
2	22.5	21.5	22.0	19.0	18.5	19.0	13.5	13.0	13.0	10.5	10.0	10.0
3	22.5	22.0	22.0	19.0	19.0	19.0	13.0	13.0	13.0	10.5	10.5	10.5
4	23.0	22.0	22.5	19.0	18.0	18.5	13.5	13.0	13.0	10.5	10.0	10.0
5	23.0	22.5	23.0	18.0	17.5	17.5	13.5	13.5	13.5	10.0	9.5	9.5
6	23.0	22.5	23.0	17.5	17.0	17.0	14.0	13.5	13.5	9.5	9.0	9.5
7	23.0	22.5	23.0	17.5	17.0	17.5	14.0	13.5	13.5	9.5	9.0	9.5
8	22.5	22.0	22.5	17.5	17.0	17.0	13.5	13.0	13.0	9.0	8.0	8.5
9	22.5	22.0	22.0	17.0	16.0	16.5	13.0	12.5	12.5	8.0	8.0	8.0
10	22.5	22.0	22.0	16.0	15.5	16.0	12.5	12.0	12.0	8.0	7.5	8.0
11	22.0	22.0	22.0	16.5	16.0	16.0	12.0	11.0	11.5	7.5	7.0	7.5
12	22.0	22.0	22.0	---	---	---	11.0	11.0	11.0	8.0	7.5	7.5
13	22.5	22.0	22.0	15.0	14.5	15.0	11.0	10.5	10.5	8.0	7.0	7.5
14	22.5	22.0	22.5	15.0	15.0	15.0	11.0	10.5	11.0	8.5	7.5	8.0
15	22.5	21.5	22.0	15.0	14.0	14.5	12.0	11.0	11.5	9.5	7.5	8.5
16	21.5	21.0	21.0	14.5	13.5	14.0	12.5	12.0	12.0	9.5	8.0	8.5
17	21.0	20.5	20.5	14.0	13.5	14.0	12.5	12.5	12.5	9.5	8.5	9.0
18	20.5	20.0	20.5	14.0	13.5	14.0	12.5	12.5	12.5	11.0	9.5	10.0
19	20.5	20.0	20.5	14.0	13.5	14.0	12.5	12.0	12.5	11.0	9.0	10.5
20	20.5	20.0	20.0	14.5	14.0	14.0	12.5	12.0	12.5	9.5	8.5	9.0
21	20.5	19.5	20.0	14.5	14.0	14.0	12.0	11.5	11.5	9.5	9.0	9.0
22	19.5	19.0	19.5	14.0	13.5	13.5	11.5	11.0	11.0	9.5	8.0	9.0
23	19.5	19.0	19.0	13.5	13.0	13.0	11.0	10.5	10.5	9.5	8.0	9.0
24	20.0	19.5	19.5	13.5	13.0	13.5	10.5	10.0	10.0	10.0	9.0	9.5
25	20.0	19.5	20.0	13.5	13.0	13.0	10.0	9.5	9.5	9.5	8.0	8.5
26	20.0	19.5	20.0	13.0	12.5	13.0	9.5	9.0	9.5	10.0	8.0	9.0
27	20.0	19.5	20.0	13.5	12.5	13.0	9.0	9.0	9.0	11.0	9.0	10.0
28	20.0	19.5	20.0	14.0	13.5	13.5	9.0	8.5	9.0	9.5	8.5	9.0
29	19.5	19.0	19.0	14.0	14.0	14.0	8.5	8.5	8.5	10.0	8.5	9.0
30	19.0	18.5	18.5	14.0	13.5	13.5	9.0	8.5	8.5	10.5	9.0	9.5
31	18.5	18.5	18.5	---	---	---	9.5	9.0	9.0	11.0	10.0	10.5
MONTH	23.0	18.5	21.0	19.0	12.5	15.2	14.0	8.5	11.4	11.0	7.0	9.1

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.0	9.0	9.5	12.5	10.5	11.5	13.0	12.0	12.5	19.0	15.5	17.0
2	9.5	9.0	9.5	12.5	10.5	11.5	15.0	11.5	13.0	19.5	15.5	17.5
3	9.0	8.0	8.5	12.5	10.0	11.0	15.5	11.5	13.5	19.5	15.5	17.5
4	8.0	6.5	7.5	13.0	9.5	11.0	16.0	12.5	14.0	20.0	16.0	18.0
5	8.0	6.0	7.0	13.5	10.5	11.5	16.5	13.5	14.5	20.5	17.0	18.5
6	8.0	5.5	6.5	13.0	11.5	12.0	14.0	13.0	13.5	21.5	18.0	19.5
7	7.5	5.5	6.5	14.0	12.0	13.0	15.0	12.5	13.5	21.0	18.0	19.5
8	8.5	6.0	7.0	12.0	9.5	10.5	15.5	12.0	13.5	21.0	18.5	19.5
9	10.0	7.5	8.5	11.5	9.0	10.0	15.0	12.5	13.5	20.5	18.0	19.0
10	10.0	7.5	8.5	11.5	9.0	10.0	15.0	11.5	13.0	21.0	17.5	19.5
11	10.5	9.0	9.5	11.5	9.0	10.0	15.5	11.5	13.5	21.5	18.5	20.0
12	10.0	8.0	8.5	11.5	8.5	10.0	16.0	12.0	13.5	21.5	19.0	20.0
13	9.5	7.5	8.5	12.0	8.5	10.0	15.5	13.0	14.0	19.0	18.0	18.5
14	9.5	8.0	8.5	13.0	9.0	11.0	17.5	14.0	15.5	20.0	17.5	18.5
15	10.5	8.5	9.5	13.5	10.5	12.0	16.0	14.5	15.0	19.0	17.0	18.0
16	9.5	8.0	8.5	14.5	11.5	13.0	16.5	13.5	15.0	20.5	17.0	18.5
17	9.5	7.0	8.0	13.5	13.0	13.0	17.5	13.5	15.5	21.0	17.5	19.0
18	9.5	7.5	8.5	14.0	12.5	13.0	17.5	14.0	15.5	21.5	18.0	20.0
19	9.5	8.0	8.5	13.0	11.0	12.5	17.0	14.5	15.5	22.0	19.0	20.5
20	10.5	8.5	9.5	11.5	10.0	11.0	18.5	15.0	16.5	22.5	19.5	20.5
21	11.0	8.5	10.0	11.0	9.5	10.0	19.0	15.5	17.0	22.5	19.5	21.0
22	11.5	9.5	10.5	12.5	9.0	10.5	20.0	16.0	18.0	22.5	20.0	21.0
23	11.5	10.0	10.5	12.5	9.0	10.5	19.5	17.0	18.0	22.0	20.0	21.0
24	13.0	10.0	11.0	13.5	9.5	11.0	19.5	16.0	17.5	22.5	20.5	21.5
25	12.5	9.5	11.0	12.5	10.5	11.5	19.5	15.5	17.5	22.0	20.5	21.0
26	13.5	10.0	11.5	14.5	11.0	12.5	18.0	17.0	17.5	23.5	20.0	21.5
27	14.0	11.0	12.5	12.5	11.5	12.0	19.5	16.5	17.5	23.0	20.0	21.5
28	13.0	12.0	12.5	11.5	11.0	11.5	19.5	15.5	17.5	22.0	20.5	21.0
29	13.0	11.0	12.0	14.0	11.0	12.0	18.5	17.5	18.0	23.0	20.0	21.5
30	---	---	---	13.0	11.5	12.0	18.5	16.5	17.5	21.5	19.5	21.0
31	---	---	---	13.0	11.5	12.5	---	---	---	21.5	18.5	20.0
MONTH	14.0	5.5	9.2	14.5	8.5	11.4	20.0	11.5	15.3	23.5	15.5	19.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	21.0	18.0	19.5	25.0	22.5	23.5	26.5	24.5	25.0	25.0	23.5	24.5
2	21.0	18.0	19.5	25.5	23.0	24.0	26.0	24.5	25.0	25.5	24.0	24.5
3	20.0	18.0	19.0	25.5	23.0	24.5	25.5	24.5	24.5	26.5	24.0	25.0
4	21.0	18.0	19.5	25.5	22.5	24.0	26.0	24.0	25.0	26.5	24.5	25.0
5	21.0	19.0	20.0	23.5	22.5	23.0	27.0	24.5	25.5	25.5	24.0	24.5
6	22.0	18.5	20.0	24.5	23.0	23.5	26.5	24.5	25.5	27.0	23.5	25.0
7	22.0	19.0	20.5	25.5	23.0	24.0	27.0	25.0	25.5	27.5	24.5	25.5
8	22.5	20.0	21.0	25.5	23.5	24.5	27.0	25.0	26.0	27.5	24.5	26.0
9	22.5	20.0	21.0	25.5	23.5	24.5	26.0	25.0	25.5	27.5	24.5	26.0
10	22.5	20.0	21.5	26.5	23.5	25.0	27.0	24.5	25.5	27.0	24.5	25.5
11	23.0	21.0	22.0	25.5	24.0	24.5	26.0	24.5	25.0	26.5	24.5	25.5
12	24.0	21.0	22.0	25.0	23.5	24.5	26.0	24.5	25.0	26.5	24.5	25.5
13	24.0	21.5	22.5	26.0	23.5	24.5	26.5	24.0	25.5	26.5	23.5	25.0
14	24.0	21.0	22.0	26.0	24.0	25.0	25.5	23.5	24.5	25.5	22.5	24.0
15	24.0	21.0	22.5	26.0	24.0	24.5	26.5	23.5	25.0	25.5	22.0	23.5
16	23.5	21.0	22.5	25.5	24.0	24.5	27.0	23.5	25.5	25.0	23.5	24.5
17	23.5	21.0	22.0	26.5	24.0	25.0	27.5	24.5	26.0	26.5	24.5	25.0
18	24.0	21.0	22.5	27.0	24.5	25.5	28.0	25.0	26.5	25.5	22.5	24.0
19	23.5	22.0	22.5	27.5	25.0	26.0	27.0	24.0	26.0	25.0	22.0	23.5
20	24.0	21.5	22.5	---	---	---	27.5	25.0	26.5	25.0	21.5	23.5
21	24.0	21.5	22.5	---	---	---	27.5	25.0	26.0	24.5	22.0	23.0
22	24.0	21.5	22.5	28.0	25.5	26.5	27.5	24.0	26.0	25.0	22.5	23.5
23	24.0	21.5	22.5	28.0	25.5	26.5	27.5	25.0	26.5	25.0	21.5	23.0
24	24.5	21.5	23.0	28.0	25.5	27.0	27.5	24.5	26.5	25.5	22.0	23.5
25	24.5	22.0	23.5	27.5	26.0	26.5	27.0	24.0	25.5	25.5	22.5	24.0
26	24.5	23.0	23.5	27.5	25.5	26.5	27.0	25.0	25.5	25.5	23.0	24.0
27	24.5	22.5	23.5	27.5	25.5	26.5	27.0	24.5	25.5	26.0	23.5	24.5
28	24.5	21.5	23.0	27.0	25.5	26.0	26.5	24.5	25.5	26.0	24.0	24.5
29	24.5	22.0	23.0	27.5	25.0	26.0	27.0	24.5	25.5	24.0	23.0	24.0
30	24.0	22.0	23.5	27.5	25.0	26.0	26.5	24.5	25.0	23.0	22.5	23.0
31	---	---	---	27.5	25.0	26.0	26.0	24.0	24.5	---	---	---
MONTH	24.5	18.0	21.8	28.0	22.5	25.1	28.0	23.5	25.5	27.5	21.5	24.4
YEAR	28.0	5.5	17.4									



## SAVANNAH RIVER BASIN

021973471 PEN BRANCH AT ROAD B AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°12'12'', long 81°38'51'', Barnwell County, Hydrologic Unit 03060106, at center, upstream side of culvert on SRS Rd B, 1.2 mi west of SRS Rd 7, 1.9 mi above Indian Grave Branch, at Savannah River Site.

PERIOD OF RECORD.--December 1983 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 160 ft above sea level (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, Oct. 15 - 17, which are poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	3.7	5.2	16	7.1	6.6	14	6.5	2.5	1.3	11	2.5
2	3.0	3.6	4.7	8.5	7.7	5.8	11	4.8	2.1	1.2	14	2.7
3	2.8	3.8	4.7	6.7	12	4.6	8.7	4.0	2.0	1.2	14	2.6
4	3.1	4.1	4.7	5.9	8.3	4.5	8.4	3.7	2.1	1.2	11	15
5	3.2	3.9	4.7	5.4	7.1	4.6	7.7	3.5	2.2	15	8.9	19
6	3.0	4.3	4.8	5.4	6.5	10	8.9	3.2	1.9	11	5.3	5.7
7	2.9	11	28	7.7	6.3	26	9.3	2.7	1.7	4.8	3.8	3.5
8	2.6	16	9.6	7.1	6.9	15	7.7	3.1	3.2	3.0	3.7	2.9
9	2.6	5.7	10	6.0	6.7	10	6.8	2.7	4.1	2.7	3.4	2.4
10	2.6	4.1	8.4	5.3	6.3	8.9	6.6	2.2	2.2	2.1	4.7	9.6
11	2.8	7.3	6.6	5.3	5.7	8.4	6.3	2.1	2.1	1.9	3.8	11
12	2.9	8.7	6.1	6.7	5.9	8.2	6.3	2.2	1.8	1.8	9.9	4.7
13	3.1	5.6	5.2	5.8	5.6	7.8	6.1	2.1	6.3	1.6	6.7	3.6
14	5.6	4.9	5.5	5.9	5.6	7.5	5.9	2.1	12	1.9	21	3.0
15	9.5	4.8	5.6	4.9	5.5	8.4	5.9	2.1	6.4	3.5	6.4	2.7
16	3.5	4.8	5.2	4.9	5.3	13	5.7	2.4	3.7	4.7	4.1	3.1
17	3.5	4.7	5.0	5.4	5.8	22	5.2	2.1	3.2	2.6	3.3	3.0
18	3.5	4.7	4.7	5.8	5.5	18	4.9	1.9	2.7	2.3	4.3	2.7
19	3.3	4.7	28	6.4	5.4	13	5.0	1.8	2.5	1.8	4.3	2.3
20	3.2	4.7	11	5.9	7.6	10	5.9	1.7	2.3	1.7	3.3	3.3
21	2.6	4.8	7.3	5.9	6.4	9.4	6.0	1.6	2.0	2.7	2.7	2.6
22	2.4	4.6	6.3	5.4	5.4	9.0	4.8	1.8	1.9	2.3	2.4	3.3
23	2.4	4.7	5.9	4.9	5.3	8.3	4.5	2.0	1.7	2.8	2.1	2.2
24	2.7	5.3	5.8	6.3	4.6	8.3	4.3	1.7	1.7	1.9	2.3	2.1
25	2.8	6.3	5.5	6.7	4.2	8.2	3.9	5.7	1.8	3.2	19	2.0
26	2.5	6.0	5.4	5.6	4.1	8.2	3.8	3.5	1.7	3.2	5.6	2.0
27	3.6	5.7	5.3	17	4.2	11	4.0	8.0	1.4	2.2	3.7	1.9
28	12	6.1	4.9	9.7	14	33	3.7	8.2	1.4	2.2	3.3	2.5
29	6.2	6.1	4.9	9.0	11	15	4.4	6.9	1.4	2.1	3.0	3.7
30	3.6	5.8	4.9	7.8	---	12	12	4.4	1.4	1.7	2.7	5.4
31	3.5	---	6.1	7.7	---	11	---	2.8	---	1.6	2.5	---
TOTAL	114.1	170.5	230.0	217.0	192.0	345.7	197.7	103.5	83.4	93.2	196.2	133.0
MEAN	3.68	5.68	7.42	7.00	6.62	11.2	6.59	3.34	2.78	3.01	6.33	4.43
MAX	12	16	28	17	14	33	14	8.2	12	15	21	19
MIN	2.4	3.6	4.7	4.9	4.1	4.5	3.7	1.6	1.4	1.2	2.1	1.9

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

	MEAN	6.53	7.02	6.82	11.6	11.6	12.7	8.35	6.14	5.19	5.67	8.13	4.96
MAX	26.4	12.4	10.0	28.6	21.4	29.9	20.8	34.3	10.5	25.6	42.9	10.6	
(WY)	1991	1993	1993	1987	1995	1987	1984	1984	1984	1991	1991	1993	
MIN	2.13	3.09	2.72	3.05	3.53	4.36	2.80	1.74	1.15	1.05	1.50	1.40	
(WY)	1990	1990	1989	1989	1989	1990	1990	1990	1990	1990	1988	1990	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1984 - 1996

ANNUAL TOTAL	3268.0	2076.3	
ANNUAL MEAN	8.95	5.67	
HIGHEST ANNUAL MEAN			7.39
LOWEST ANNUAL MEAN			14.9
HIGHEST DAILY MEAN	139	Feb 18	33
LOWEST DAILY MEAN	1.4	Aug 21	1.2
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 18	1.3
INSTANTANEOUS PEAK FLOW			91
INSTANTANEOUS PEAK STAGE			3.89
10 PERCENT EXCEEDS	16		11
50 PERCENT EXCEEDS	5.9		4.8
90 PERCENT EXCEEDS	2.4		2.0

\* Also occurred on July 8, 9, 1990.

\*\* Also occurred on July 3, 4.

## SAVANNAH RIVER BASIN

02197348 PEN BRANCH AT ROAD A-13.2 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°09'34'', long 81°41'08'', Barnwell County, Hydrologic Unit 03060106, on right downstream side of bridge on SRS Road A-13.2, 700 ft downstream from Seaboard Coastline Railroad bridge, 600 ft west of intersection of SRS Roads A-17 and A-17.1, at Savannah River Site.

DRAINAGE AREA.--21.2 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1976 to January 1983, May 1983 to current year.

GAGE.--Data collection platform. Elevation of gage is 100 ft above sea level (from topographic map). Prior to Oct. 1, 1990, at datum 1.00 ft lower.

REMARKS.--Records fair except for estimated daily discharges, Aug. 17, 18, 20 - 25, which are poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	37	39	85	48	46	64	41	40	51	150	26
2	34	36	38	60	48	42	48	34	40	50	184	27
3	34	37	38	50	67	38	39	32	40	50	107	27
4	33	37	38	46	51	37	37	32	40	50	109	51
5	34	35	38	43	46	37	36	31	41	142	74	134
6	33	35	39	43	44	54	38	31	41	137	79	48
7	33	59	101	50	43	109	41	31	41	64	76	34
8	32	77	61	49	42	78	37	33	48	52	59	30
9	33	44	58	44	43	48	35	32	56	48	57	28
10	36	39	55	43	40	41	34	32	47	42	79	37
11	35	44	46	43	40	38	33	30	46	38	70	79
12	35	51	44	46	39	35	33	30	46	39	140	40
13	35	43	42	44	39	34	33	31	57	39	41	30
14	41	40	42	42	42	32	33	31	90	39	95	28
15	53	38	42	41	39	34	33	31	98	46	36	26
16	39	39	41	40	39	56	32	32	55	53	21	27
17	35	39	41	41	39	96	31	32	51	49	14	29
18	35	38	41	44	39	93	31	32	50	57	14	26
19	34	38	129	47	38	56	31	32	53	45	24	25
20	34	38	74	43	45	45	33	33	53	42	13	24
21	34	37	53	41	44	39	34	33	49	47	12	25
22	34	37	48	40	40	37	32	33	50	47	11	31
23	34	37	46	40	38	35	31	34	51	45	11	25
24	34	38	44	44	38	34	30	35	50	45	10	23
25	35	39	44	45	37	33	30	55	51	49	75	23
26	34	39	44	42	36	34	30	42	51	55	41	22
27	35	39	43	87	36	39	31	51	51	47	33	22
28	69	39	43	62	65	116	29	61	49	48	33	23
29	44	40	42	48	70	71	30	51	49	48	30	28
30	38	39	42	49	---	51	54	52	50	45	28	34
31	36	---	45	50	---	48	---	43	---	52	27	---
TOTAL	1139	1228	1541	1492	1275	1586	1063	1133	1534	1661	1753	1032
MEAN	36.7	40.9	49.7	48.1	44.0	51.2	35.4	36.5	51.1	53.6	56.5	34.4
MAX	69	77	129	87	70	116	64	61	98	142	184	134
MIN	32	35	38	40	36	32	29	30	40	38	10	22
IN.	2.00	2.15	2.70	2.62	2.24	2.78	1.87	1.99	2.69	2.91	3.08	1.81

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1996, BY WATER YEAR (WY)

MEAN	207	195	231	218	213	254	240	224	211	221	211	187
MAX	412	425	432	440	442	468	425	451	423	451	421	414
(WY)	1982	1992	1982	1980	1978	1980	1982	1978	1992	1992	1982	1982
MIN	18.6	23.4	31.0	41.0	44.0	48.0	35.4	36.5	24.9	31.3	31.3	13.4
(WY)	1993	1993	1993	1990	1996	1990	1996	1996	1990	1993	1993	1992

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1977 - 1996

ANNUAL TOTAL	17907	16437	199
ANNUAL MEAN	49.1	44.9	383
HIGHEST ANNUAL MEAN			44.9
LOWEST ANNUAL MEAN			760
HIGHEST DAILY MEAN	398	Jan 7	184
LOWEST DAILY MEAN	29	Aug 14	10
ANNUAL SEVEN-DAY MINIMUM	29	Aug 17	14
INSTANTANEOUS PEAK FLOW			425
INSTANTANEOUS PEAK STAGE			3.42
ANNUAL RUNOFF (INCHES)	31.42		28.84
10 PERCENT EXCEEDS	71		63
50 PERCENT EXCEEDS	39		40
90 PERCENT EXCEEDS	31		30

SAVANNAH RIVER BASIN  
02197348 PEN BRANCH AT ROAD A-13.2 AT SAVANNAH RIVER SITE, SC  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: March 1995 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 29.5°C, July 5, 1995; minimum, 5.0°C, Feb. 5, 6, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 28.5°C, Aug. 8 - 11; minimum, 5.0°C, Feb. 5, 6.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22.0	20.0	21.0	19.0	17.0	18.0	13.0	11.5	12.5	11.0	10.0	10.0
2	22.5	20.5	21.5	20.0	18.5	19.0	13.0	11.5	12.5	12.0	10.5	11.0
3	22.5	21.5	22.0	20.0	19.0	19.5	13.0	11.5	12.5	12.0	10.5	11.5
4	23.0	21.5	22.0	19.5	17.0	18.5	13.5	11.5	12.5	11.5	9.0	10.0
5	23.5	22.5	23.0	17.0	15.0	15.5	14.5	13.0	13.5	10.0	8.5	9.0
6	23.0	21.5	22.5	16.5	14.5	15.5	14.5	13.5	14.0	10.0	8.5	9.0
7	23.0	22.0	22.5	17.0	15.5	16.5	14.5	13.0	14.0	10.0	8.5	9.0
8	22.5	20.5	21.5	16.5	15.5	16.0	13.0	11.0	12.0	8.5	6.5	7.0
9	22.0	20.5	21.0	15.5	13.5	14.0	12.0	11.5	11.5	7.5	6.0	7.0
10	22.0	20.5	21.0	14.5	12.5	13.5	11.5	10.0	11.0	8.0	6.5	7.5
11	22.0	21.5	21.5	15.5	14.5	15.0	10.5	9.0	9.5	8.0	7.0	7.5
12	22.0	21.0	21.5	15.0	13.0	13.5	10.0	8.5	9.0	8.0	7.0	7.5
13	22.5	21.0	22.0	13.5	12.0	13.0	10.0	8.5	9.5	8.0	5.5	7.0
14	22.5	21.5	22.0	14.0	13.0	13.5	11.0	9.5	10.0	9.0	6.0	7.5
15	22.0	19.5	21.0	13.5	12.0	12.5	12.5	11.0	11.5	10.5	7.0	8.5
16	19.5	18.0	19.0	13.0	11.5	12.0	14.0	12.0	12.5	10.0	8.0	9.0
17	19.5	17.5	18.5	12.5	11.0	12.0	13.5	12.5	13.0	10.5	9.0	9.5
18	20.0	17.5	18.5	13.0	11.0	12.0	13.5	12.5	12.5	13.0	9.5	11.0
19	20.5	18.5	19.5	13.5	12.0	12.5	13.0	12.0	12.5	13.0	9.5	12.0
20	20.5	19.0	19.5	14.0	12.5	13.0	13.0	11.5	12.5	9.5	6.5	8.0
21	20.0	18.0	18.5	14.0	13.0	13.5	12.0	10.0	11.0	9.0	7.0	8.0
22	18.5	16.5	17.5	13.5	11.5	12.5	10.0	9.0	9.5	9.0	6.5	7.5
23	18.5	16.5	17.5	12.5	11.0	11.5	10.0	8.5	9.5	10.5	6.5	8.5
24	20.5	18.0	19.0	13.0	12.0	12.5	9.5	8.0	8.5	11.5	9.0	10.0
25	20.5	19.0	19.5	13.0	12.0	12.5	8.5	7.5	8.0	9.5	7.5	8.5
26	20.5	18.5	19.5	12.5	11.0	11.5	8.5	7.5	8.0	11.0	7.0	8.5
27	20.5	18.5	19.5	13.0	11.0	12.0	8.5	7.0	8.0	12.0	10.5	11.5
28	20.5	18.5	19.5	14.5	12.5	13.0	8.5	7.0	7.5	10.5	7.5	8.5
29	18.5	16.5	17.5	15.5	14.0	14.5	8.0	6.5	7.5	10.0	8.0	9.0
30	18.0	16.0	17.0	---	---	---	8.5	7.0	8.0	11.5	9.0	10.0
31	17.5	17.0	17.5	---	---	---	10.0	8.5	9.5	12.5	10.5	11.5
MONTH	23.5	16.0	20.1	20.0	11.0	14.1	14.5	6.5	10.8	13.0	5.5	9.0



## SAVANNAH RIVER BASIN

021973482 PEN BRANCH AT ROAD A-17 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°08'35'', long 81°41'39'', Barnwell County, Hydrologic Unit 03060106, about 100 ft west of Road A-17, at Savannah River Site.

PERIOD OF RECORD.--November 1993 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 85 ft above sea level (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 9.81 ft, Feb. 6, 1994; minimum gage height, 5.10 ft, Aug. 11, 12, Sept. 27 - 30, 1994, Oct. 1, 2, 6, 9, 10, 1994, May 12 - 19, 23, 24, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.71 ft, Feb. 15, 16; minimum gage height, 5.17 ft, Oct. 5.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.18	5.18	5.28	5.24	5.23	5.25	5.41	5.26	5.46	5.32	5.41	5.36
2	5.18	5.18	5.23	5.23	5.23	5.25	5.28	5.25	5.46	5.32	5.42	5.39
3	5.18	5.18	5.20	5.22	5.27	5.25	5.27	---	5.47	5.31	5.38	5.38
4	5.18	5.18	5.20	5.22	5.69	5.24	5.27	---	5.48	5.30	5.38	5.37
5	5.18	5.18	5.20	5.22	5.87	5.24	5.28	---	5.41	5.35	5.40	5.40
6	5.18	5.18	5.20	5.22	5.87	5.25	5.29	---	5.27	5.34	5.40	5.38
7	5.18	5.20	5.22	5.22	6.72	5.26	5.29	5.23	5.28	5.30	5.40	5.37
8	5.18	5.20	5.22	5.22	7.41	5.26	5.29	5.23	5.28	5.30	5.40	5.37
9	5.18	5.20	5.22	5.22	7.59	5.24	5.29	5.24	5.27	5.31	5.42	5.39
10	5.18	5.20	5.21	5.22	7.63	5.33	5.29	5.26	5.27	5.31	5.42	5.39
11	5.18	5.20	5.20	5.22	7.64	6.37	5.29	5.27	5.28	5.31	5.40	5.38
12	5.18	5.20	5.20	5.22	7.63	6.94	5.29	5.28	5.27	5.33	5.41	5.37
13	5.18	5.20	5.20	5.22	7.63	7.12	5.29	5.31	5.28	5.33	5.40	5.37
14	5.18	5.18	5.20	5.22	7.66	7.16	5.29	5.31	5.28	5.33	5.39	5.38
15	5.19	5.18	5.20	5.22	7.69	7.19	5.29	5.30	5.29	5.33	5.39	5.38
16	5.18	5.18	5.20	5.22	7.69	7.41	5.28	5.31	5.29	5.33	5.39	5.37
17	5.18	5.31	5.20	5.22	7.54	7.57	5.27	5.32	5.29	5.33	5.38	5.37
18	5.18	5.91	5.20	5.22	7.25	7.50	5.27	5.32	5.29	5.33	5.38	5.35
19	5.18	6.35	5.23	5.23	6.87	7.18	5.27	5.33	5.29	5.34	5.38	5.33
20	5.18	6.56	5.22	5.22	6.39	6.93	5.27	5.35	5.30	5.35	5.37	5.33
21	5.18	6.65	5.22	5.22	5.90	6.78	5.27	5.36	5.30	5.35	5.34	5.33
22	5.18	6.65	5.21	5.22	5.49	6.78	5.27	5.36	5.30	5.35	5.32	5.34
23	5.18	6.48	5.21	5.22	5.33	7.02	5.27	5.36	5.30	5.35	5.31	5.33
24	5.18	6.11	5.21	5.23	5.29	7.28	5.27	5.36	5.30	5.35	5.29	5.33
25	5.18	5.76	5.22	5.22	5.27	7.41	5.27	5.39	5.30	5.35	5.28	5.32
26	5.18	5.57	5.22	5.22	5.24	7.46	5.26	5.38	5.30	5.35	5.32	5.31
27	5.18	5.48	5.22	5.25	5.23	7.49	5.27	5.38	5.30	5.37	5.32	5.31
28	5.20	5.43	5.22	5.24	5.25	7.51	5.26	5.41	5.30	5.36	5.34	5.32
29	5.18	5.42	5.22	5.23	5.25	7.12	5.26	5.42	5.30	5.35	5.34	5.33
30	5.18	5.37	5.22	5.23	---	6.58	5.27	5.43	5.32	5.35	5.35	5.34
31	5.18	---	5.22	5.23	---	6.12	---	5.45	---	5.38	5.36	---
MAX	5.20	6.65	5.28	5.25	7.69	7.57	5.41	5.45	5.48	5.38	5.42	5.40
MIN	5.18	5.18	5.20	5.22	5.23	5.24	5.26	5.23	5.27	5.30	5.28	5.31



## SAVANNAH RIVER BASIN

021973484 PEN BRANCH NEAR STAVE ISLAND AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°07'58'', long 81°40'25'', Barnwell County, Hydrologic Unit 03060106, about 100 ft north of Road A-17, at Savannah River Site.

PERIOD OF RECORD.--February 1994 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 85 ft above sea level (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.98 ft, Aug. 25, 26, 1994; minimum gage height, 1.74 ft, July 4, 5, 1996.

EXTREMS FOR CURRENT YEAR.--Maximum gage height, 7.83 ft, Feb. 16; minimum gage height, 1.74 ft, July 4, 5.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.27	2.47	5.45	2.50	2.97	3.45	---	---	2.04	1.85	2.24	2.24
2	2.26	2.43	5.37	2.52	4.04	3.68	---	---	2.02	1.83	2.90	2.25
3	2.26	2.42	5.19	2.51	5.03	3.81	---	---	2.02	1.81	2.64	2.25
4	2.26	2.43	4.39	2.46	5.80	3.54	---	3.27	2.02	1.79	2.45	2.29
5	2.26	2.42	3.50	2.42	6.03	3.01	---	3.13	2.11	2.04	2.31	2.45
6	2.26	2.41	2.94	2.40	6.04	2.69	---	2.66	2.04	2.66	2.29	2.38
7	2.28	2.46	2.84	2.41	6.81	2.63	---	2.38	1.99	2.42	2.25	2.31
8	2.29	2.60	3.40	2.42	7.51	2.61	---	2.30	2.02	2.22	2.24	2.28
9	2.29	2.58	4.06	2.41	7.71	2.75	---	2.27	2.16	2.16	2.23	2.27
10	2.29	2.56	4.50	2.40	7.75	4.69	---	2.25	2.09	2.09	2.28	2.28
11	2.29	2.54	4.34	2.40	7.77	6.46	---	2.23	2.05	2.04	2.28	2.37
12	2.29	2.56	3.63	2.40	7.77	7.08	---	2.20	2.01	2.02	2.41	2.33
13	2.30	2.91	3.09	2.40	7.77	7.27	---	2.19	2.12	2.01	2.39	2.31
14	2.32	3.48	2.96	2.39	7.79	7.32	---	2.20	2.16	1.99	2.34	2.29
15	2.39	4.06	3.18	2.38	7.81	7.35	---	2.20	2.19	2.11	2.27	2.28
16	2.39	4.65	3.41	2.37	7.82	7.55	---	2.21	2.16	2.14	2.24	2.29
17	2.39	5.35	3.48	2.37	7.69	7.71	---	2.20	2.10	2.10	2.24	2.31
18	2.38	6.05	3.24	2.38	7.41	7.66	---	2.17	2.05	2.14	2.22	2.31
19	2.37	6.48	2.99	2.39	7.05	7.35	---	2.16	2.03	2.08	2.21	2.30
20	2.35	6.70	2.85	2.39	6.58	7.10	---	2.14	2.03	2.04	2.22	2.29
21	2.35	6.80	2.71	2.38	6.11	6.94	---	2.12	2.03	---	2.22	2.29
22	2.33	6.83	2.58	2.37	5.67	6.90	---	2.10	2.19	2.09	2.20	2.33
23	2.53	6.67	2.50	2.37	5.48	7.10	---	2.10	2.11	2.07	2.20	2.32
24	2.95	6.32	2.47	2.38	5.42	7.35	---	2.09	2.03	2.01	2.20	2.29
25	3.11	5.98	2.44	2.39	5.35	7.48	---	2.24	1.98	2.05	2.21	2.29
26	3.21	5.78	2.42	2.38	4.77	7.53	---	2.20	1.95	2.16	2.25	2.29
27	3.26	5.68	2.41	2.45	3.77	7.57	---	2.16	1.93	2.10	2.25	2.28
28	3.15	5.63	2.40	2.53	3.16	7.62	---	2.17	1.88	2.11	2.26	2.29
29	2.90	5.61	2.39	2.50	3.18	7.37	---	2.18	1.85	2.13	2.26	2.30
30	2.68	5.56	2.38	2.46	---	---	---	2.14	1.86	2.06	2.24	2.32
31	2.53	---	2.39	2.45	---	---	---	2.10	---	2.04	2.24	---
MAX	3.26	6.83	5.45	2.53	7.82	7.71	---	3.27	2.19	2.66	2.90	2.45
MIN	2.26	2.41	2.38	2.37	2.97	2.61	---	2.09	1.85	1.79	2.20	2.24

SAVANNAH RIVER BASIN  
02197351 P-013 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°13'53'', long 81°35'06'', Barnwell County, Hydrologic Unit 03060106, on Steel Creek, at right bank 2000 ft downstream of SRS Road F and 0.5 mi west of P-Area, at Savannah River Site.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1983 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 260 ft above sea level (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, Dec. 1, 2, July 13, 17, 18, which are poor. Flow completely regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	2.4	2.5	2.6	1.6	8.2	8.7	8.8	8.5	8.5	11	8.5
2	2.1	2.4	2.5	2.3	1.9	8.2	8.5	8.6	8.2	8.3	9.0	8.5
3	2.1	2.4	2.5	2.3	1.7	8.2	8.5	9.0	8.1	8.2	12	8.5
4	2.2	2.5	2.5	2.1	1.6	8.2	8.5	9.0	8.0	8.2	8.8	13
5	2.3	2.5	2.5	2.1	1.6	8.2	8.6	9.0	8.0	12	9.5	8.6
6	2.3	2.5	2.6	2.1	1.7	8.7	8.7	9.0	7.9	8.4	8.7	8.5
7	2.2	3.4	3.5	2.2	1.8	9.0	8.5	9.1	7.9	8.2	8.5	8.5
8	2.2	2.3	2.3	2.1	1.9	8.0	8.5	9.1	8.5	8.3	8.5	8.5
9	2.3	2.3	2.4	2.0	1.9	7.8	8.5	8.9	8.1	8.2	8.7	8.5
10	2.3	2.3	2.2	2.0	1.9	7.9	8.5	8.8	7.9	8.2	8.5	8.9
11	2.3	2.7	2.1	2.0	1.8	7.9	8.5	8.8	8.5	8.6	8.7	8.7
12	2.3	2.5	2.1	2.2	1.9	8.0	8.5	8.8	9.4	8.8	8.9	8.6
13	2.3	2.5	2.2	2.1	1.9	8.0	8.5	8.8	9.1	8.7	11	8.5
14	2.5	2.5	2.1	2.1	1.8	8.0	8.5	8.7	9.1	8.7	9.1	8.6
15	2.4	2.5	2.1	2.0	1.8	8.3	8.5	8.6	9.2	8.9	8.6	8.5
16	2.4	2.5	2.1	2.0	1.8	8.2	8.5	8.7	8.9	8.8	8.6	8.7
17	2.3	2.5	2.1	2.1	1.9	9.2	8.5	8.5	8.8	10	8.7	8.8
18	2.4	2.5	2.1	2.1	1.8	8.0	8.4	8.5	8.8	8.6	8.8	8.6
19	2.3	2.4	3.9	2.1	1.8	8.3	8.5	8.6	8.8	8.5	8.8	8.4
20	2.3	2.4	2.7	2.1	1.9	8.2	8.5	8.5	8.8	8.5	8.8	8.5
21	2.4	2.4	2.6	2.1	1.8	8.4	8.5	8.5	8.8	8.5	8.8	8.7
22	2.4	2.6	2.5	2.1	1.8	8.5	8.5	8.5	8.8	8.6	8.9	8.5
23	2.4	2.6	2.5	1.9	1.8	8.6	8.5	8.5	8.8	8.6	9.2	8.5
24	2.3	2.6	2.5	1.7	1.8	8.8	8.4	9.3	8.7	8.5	9.0	8.5
25	2.3	2.6	2.5	1.7	1.7	9.0	8.3	9.2	8.7	8.7	8.7	8.5
26	2.3	2.6	2.5	1.7	1.7	9.0	8.5	9.6	8.7	8.8	8.6	8.5
27	2.8	2.6	2.4	2.7	5.2	9.2	8.6	9.7	8.5	8.8	8.6	8.5
28	2.5	2.6	2.4	1.6	9.1	10	8.7	9.6	8.5	8.8	8.7	8.6
29	2.4	2.6	2.4	1.6	8.1	8.8	8.8	8.8	8.5	8.8	8.7	8.9
30	2.4	2.7	2.4	1.6	---	8.8	9.1	8.8	8.5	8.8	8.6	9.1
31	2.4	---	2.5	1.7	---	8.9	---	8.7	---	8.9	8.5	---
TOTAL	72.2	75.9	76.2	63.0	69.0	262.5	256.3	275.0	257.0	270.4	279.5	262.2
MEAN	2.33	2.53	2.46	2.03	2.38	8.47	8.54	8.87	8.57	8.72	9.02	8.74
MAX	2.8	3.4	3.9	2.7	9.1	10	9.1	9.7	9.4	12	12	13
MIN	2.1	2.3	2.1	1.6	1.6	7.8	8.3	8.5	7.9	8.2	8.5	8.4

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

	4.63	2.56	3.24	7.57	8.99	13.7	17.4	4.87	6.63	13.5	8.89	7.95
MEAN	4.63	2.56	3.24	7.57	8.99	13.7	17.4	4.87	6.63	13.5	8.89	7.95
MAX	24.2	15.0	19.2	40.1	45.4	71.8	88.5	31.7	27.6	97.7	79.0	51.6
(WY)	1985	1985	1985	1984	1993	1993	1991	1984	1991	1991	1991	1988
MIN	.21	.19	.30	.17	.13	.12	.11	.10	.27	.17	.13	.27
(WY)	1990	1990	1990	1990	1990	1990	1990	1992	1988	1993	1993	1990

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1984 - 1996

ANNUAL TOTAL	1368.16	2219.2	
ANNUAL MEAN	3.75	6.06	7.47
HIGHEST ANNUAL MEAN			28.2
LOWEST ANNUAL MEAN			.47
HIGHEST DAILY MEAN	10 Jun 5	13 Sep 4	170 Apr 5 1991
LOWEST DAILY MEAN	.25 *Feb 9	1.6 **Jan 28	.03 May 18 1992
ANNUAL SEVEN-DAY MINIMUM	.33 Feb 4	1.7 Jan 28	.03 May 18 1992
INSTANTANEOUS PEAK FLOW		95 Aug 3	225 Jul 27 1991
INSTANTANEOUS PEAK STAGE		2.07 Aug 3	2.97 Jul 27 1991
10 PERCENT EXCEEDS	7.7	8.9	22
50 PERCENT EXCEEDS	2.5	8.3	1.3
90 PERCENT EXCEEDS	.36	2.0	.19

\* Also occurred on Feb. 13, 14.

\*\* Also occurred on Jan. 29, 30, Feb. 1, 4, 5.

SAVANNAH RIVER BASIN  
O2197351 P-013 AT SAVANNAH RIVER SITE, SC--Continued  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1984 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: February 1984 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 47.0°C, May 4, 1987; minimum, 0.0°C, Dec. 23 - 25, 27, 1989.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 27.5°C, July 23, 30; minimum, 6.0°C, Feb. 5.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22.5	21.0	21.5	20.0	19.0	19.5	---	---	---	11.5	11.0	11.0
2	23.0	21.5	22.0	21.0	19.5	20.0	---	---	---	12.5	11.0	11.5
3	23.0	22.0	22.5	20.5	20.0	20.0	14.5	12.5	13.5	12.0	10.0	11.0
4	23.5	22.5	23.0	20.0	17.5	18.5	15.0	13.0	14.0	10.5	9.0	9.5
5	24.0	23.0	23.5	17.5	16.5	17.0	15.5	14.5	15.0	10.5	8.5	9.5
6	24.5	22.5	23.5	18.0	16.5	17.0	15.5	14.0	14.5	11.0	9.0	10.0
7	24.5	23.0	23.5	19.0	17.5	18.0	15.0	12.5	14.0	10.0	8.0	9.0
8	24.0	22.0	23.0	18.0	16.0	17.0	13.0	12.0	12.5	8.5	7.0	7.5
9	23.5	22.0	23.0	16.5	15.0	15.5	13.0	12.0	12.5	8.5	7.0	7.5
10	23.5	22.5	23.0	17.5	14.5	16.0	12.5	11.0	11.5	9.0	7.5	8.0
11	23.5	23.0	23.0	17.5	15.5	16.5	11.5	10.0	11.0	8.5	7.0	7.5
12	23.0	22.5	23.0	15.5	14.0	15.0	12.0	10.0	11.0	8.5	7.5	8.0
13	23.5	23.0	23.0	16.0	14.0	15.0	12.0	10.5	11.5	8.5	7.0	7.5
14	24.0	23.0	23.5	15.5	14.0	15.0	13.0	11.5	12.0	9.5	7.0	8.0
15	23.0	21.0	22.0	14.5	13.0	14.0	14.0	12.0	13.0	10.0	8.0	8.5
16	22.0	20.5	21.0	14.5	13.0	13.5	14.5	13.0	13.5	9.5	8.5	9.0
17	21.5	20.0	20.5	14.5	13.0	13.5	13.5	13.0	13.0	10.0	9.0	9.5
18	21.5	20.0	20.5	15.0	13.0	14.0	13.0	12.5	13.0	11.5	9.5	10.5
19	21.5	20.5	21.0	15.5	13.5	14.0	14.5	11.0	13.0	11.5	8.5	10.5
20	22.0	20.5	21.0	15.5	13.5	14.5	13.0	11.0	12.0	9.5	8.0	8.5
21	21.0	19.0	20.0	15.0	13.5	14.5	11.5	10.0	10.5	9.5	8.5	9.0
22	20.0	18.5	19.0	14.0	12.5	13.0	11.0	9.5	10.0	9.5	8.0	8.5
23	20.0	18.5	19.5	14.0	12.0	13.0	11.0	9.5	10.0	10.5	8.0	9.0
24	21.0	19.5	20.5	14.0	13.0	13.5	10.0	9.0	9.5	11.5	9.5	10.5
25	21.0	20.0	20.5	13.5	12.5	13.5	10.0	8.5	9.0	10.0	8.5	9.0
26	20.5	19.5	20.0	14.0	12.0	13.0	9.5	8.5	9.0	10.5	8.5	9.5
27	21.5	20.0	20.5	14.5	12.5	13.5	10.0	8.0	9.0	12.0	9.5	11.0
28	21.0	19.0	20.5	15.5	14.0	14.5	9.5	8.0	8.5	10.0	8.0	9.0
29	19.5	18.0	19.0	16.0	14.5	15.5	9.5	7.5	8.5	10.5	9.0	9.5
30	19.5	18.0	18.5	14.5	13.0	13.5	10.5	8.0	9.0	11.5	9.5	10.0
31	19.0	18.5	19.0	---	---	---	11.0	10.0	10.5	12.0	10.5	11.0
MONTH	24.5	18.0	21.4	21.0	12.0	15.4	15.5	7.5	11.5	12.5	7.0	9.3

## SAVANNAH RIVER BASIN

02197351 P-013 AT SAVANNAH RIVER SITE, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	11.0	10.0	10.5	13.0	12.0	12.5	13.0	12.5	12.5	19.5	18.0	18.5
2	10.5	9.5	10.5	13.0	11.5	12.5	13.5	12.0	12.5	20.0	18.0	19.0
3	9.5	8.5	9.0	13.0	11.0	12.0	14.5	12.0	13.0	20.5	18.5	19.5
4	8.5	7.0	8.0	13.0	11.0	12.0	15.0	12.5	13.5	21.0	19.0	20.0
5	8.0	6.0	7.0	13.5	11.0	12.0	15.5	13.5	14.0	21.5	19.5	20.5
6	9.0	6.5	7.5	13.5	12.5	12.5	14.0	13.5	13.5	21.5	20.5	21.0
7	9.0	7.0	8.0	14.5	12.5	13.5	14.5	13.0	13.5	21.5	20.5	21.0
8	10.5	7.5	9.0	12.5	11.0	11.5	14.5	13.0	13.5	22.0	20.5	21.0
9	11.5	9.0	10.0	12.0	10.0	11.0	14.5	13.0	13.5	22.0	21.0	21.5
10	11.0	8.5	9.5	12.0	10.0	10.5	14.5	13.0	13.5	22.5	21.0	22.0
11	12.0	10.0	10.5	12.0	10.0	11.0	15.0	13.0	14.0	22.5	21.5	22.0
12	10.5	8.5	9.5	12.5	10.0	11.0	15.5	13.0	14.0	22.0	21.5	21.5
13	10.0	7.5	8.5	13.0	10.0	11.5	15.5	14.0	14.5	21.5	20.5	20.5
14	10.5	8.5	9.0	13.5	11.0	12.0	16.5	14.5	15.5	20.5	19.5	20.0
15	11.5	9.5	10.5	13.5	12.0	12.5	16.0	15.0	15.5	20.0	19.5	19.5
16	10.5	8.5	9.5	14.5	12.5	13.0	16.0	14.5	15.5	21.0	19.5	20.0
17	9.5	7.5	8.5	14.0	13.0	13.5	16.5	14.5	15.5	21.5	20.0	21.0
18	10.5	8.0	9.0	14.0	13.0	13.5	17.0	15.0	16.0	22.0	20.5	21.5
19	10.5	8.5	9.5	13.5	12.5	13.0	16.5	15.5	16.0	22.5	21.0	22.0
20	12.0	10.0	10.5	12.5	11.5	12.0	18.0	16.0	17.0	23.5	21.5	22.5
21	12.0	10.0	11.0	12.0	11.0	11.5	18.5	16.5	17.5	23.0	22.0	22.5
22	13.0	10.5	11.5	11.5	10.5	11.0	19.0	17.0	18.0	23.0	22.5	23.0
23	12.5	11.0	12.0	12.0	10.0	11.0	19.0	17.5	18.5	23.0	22.5	22.5
24	14.0	11.5	12.5	12.5	10.5	11.5	18.5	17.0	18.0	23.5	22.5	23.0
25	13.5	10.5	12.0	12.0	11.0	11.5	19.0	17.0	18.0	23.0	22.0	22.5
26	14.5	11.0	12.5	13.0	11.5	12.0	18.5	18.0	18.5	24.0	22.0	23.0
27	13.5	12.0	12.5	12.0	11.5	12.0	19.5	18.0	18.5	25.0	22.5	23.5
28	14.0	12.5	13.0	11.5	11.0	11.5	19.5	18.0	19.0	23.5	22.5	23.0
29	13.0	12.0	12.5	13.0	11.0	12.0	19.5	19.0	19.5	24.5	22.5	23.5
30	---	---	---	12.5	12.0	12.0	19.5	18.5	19.0	24.0	22.0	23.0
31	---	---	---	13.0	12.0	12.5	---	---	---	23.0	21.5	22.5
MONTH	14.5	6.0	10.1	14.5	10.0	12.0	19.5	12.0	15.7	25.0	18.0	21.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	23.0	21.0	22.0	24.0	22.5	23.0	26.5	25.0	25.5	24.5	24.0	24.0
2	23.0	21.5	22.0	24.0	22.5	23.5	26.0	25.0	25.5	24.5	24.0	24.0
3	22.5	21.5	22.0	24.0	23.0	23.5	26.0	24.5	25.5	25.0	24.0	24.5
4	23.0	21.5	22.0	23.5	22.5	23.0	26.0	25.0	25.5	25.5	24.0	24.5
5	22.5	21.5	22.0	23.0	22.0	22.5	27.0	25.0	25.5	24.5	24.0	24.5
6	22.5	21.0	22.0	22.5	22.0	22.0	26.0	25.0	25.5	25.5	23.5	24.5
7	22.5	21.0	21.5	23.5	22.0	23.0	26.0	25.0	25.5	25.5	24.0	25.0
8	22.5	21.0	21.5	23.5	22.5	23.0	26.0	24.5	25.5	26.0	24.0	25.0
9	22.5	21.0	22.0	24.0	22.5	23.5	25.5	24.5	25.0	26.0	24.5	25.0
10	23.0	21.0	22.0	---	---	---	26.0	24.5	25.5	25.5	24.5	25.0
11	23.0	21.5	22.0	---	---	---	25.5	24.5	25.0	25.5	24.5	25.0
12	23.0	21.5	22.0	---	---	---	25.5	25.0	25.0	25.5	24.5	25.0
13	23.0	21.5	22.0	---	---	---	25.5	24.0	25.0	25.0	23.5	24.5
14	23.0	21.5	22.5	25.5	24.0	24.5	25.0	24.0	24.5	24.5	23.0	23.5
15	23.5	22.0	22.5	26.0	24.5	25.0	25.5	24.0	24.5	24.5	22.5	23.5
16	23.5	22.0	23.0	25.5	24.0	24.5	25.5	24.0	24.5	24.5	23.5	24.0
17	24.0	22.5	23.0	---	---	---	26.0	24.0	25.0	25.0	24.0	24.0
18	24.0	22.5	23.0	---	---	---	26.0	24.5	25.0	24.0	23.0	23.5
19	23.5	22.5	23.0	26.5	25.0	25.5	26.0	24.5	25.0	24.0	22.5	23.0
20	24.0	22.5	23.0	26.5	25.0	25.5	26.0	24.5	25.5	23.5	22.0	23.0
21	24.0	22.5	23.0	26.5	25.0	26.0	26.0	24.5	25.0	23.5	22.5	23.0
22	24.0	22.5	23.5	27.0	25.5	26.0	26.0	24.5	25.0	23.5	22.5	23.0
23	24.5	23.0	23.5	27.5	25.5	26.0	26.0	24.5	25.0	23.5	22.0	22.5
24	24.5	23.0	24.0	27.0	25.5	26.5	26.5	24.5	25.5	24.0	22.0	23.0
25	24.5	23.0	23.5	26.5	25.5	26.0	26.0	24.5	25.0	---	---	---
26	23.5	23.0	23.5	26.5	25.0	25.5	26.0	24.5	25.0	24.0	22.5	23.0
27	23.5	22.5	23.0	26.5	25.0	25.5	26.0	24.5	25.0	24.0	23.0	23.5
28	23.5	22.0	22.5	26.5	25.5	26.0	25.5	24.5	25.0	24.0	23.0	23.5
29	23.5	22.0	22.5	27.0	25.5	26.0	25.5	24.5	25.0	23.0	22.5	23.0
30	23.5	22.5	23.0	27.5	25.5	26.0	25.5	24.5	25.0	22.5	21.5	22.5
31	---	---	---	27.0	25.5	26.0	25.0	24.0	24.5	---	---	---
MONTH	24.5	21.0	22.6	27.5	22.0	24.7	27.0	24.0	25.1	26.0	21.5	23.9
YEAR	27.5	6.0	17.7									

## SAVANNAH RIVER BASIN

021973515 STEEL CREEK ABOVE ROAD B AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°12'58'', long 81°36'13'', Barnwell County, Hydrologic Unit 03060106, at right bank, 0.5 mi east of SRS Road C, and 0.8 mi upstream of SRS Road B, at Savannah River Site.

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

GAGE.--Data collection platform. Elevation of gage is 208 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges, Nov. 6 - 9, Dec. 1, 2, July 13, 17, 18. Records fair. Flow completely regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	3.8	3.8	5.0	3.0	9.9	11	9.9	9.7	11	15	11
2	3.6	3.7	3.8	3.8	3.3	9.7	11	9.6	9.5	11	11	11
3	3.6	3.7	3.8	3.8	3.2	9.7	11	10	9.6	10	20	11
4	3.9	3.8	3.8	3.8	3.0	9.6	11	10	9.5	10	12	22
5	3.8	3.8	3.7	3.7	3.0	9.7	11	10	9.4	19	13	13
6	3.7	3.8	3.8	3.6	3.1	11	11	9.9	9.3	11	12	12
7	3.5	3.7	5.8	3.9	3.1	11	11	10	9.4	10	11	12
8	3.5	3.6	3.8	3.8	3.1	9.7	10	10	10	10	12	12
9	3.5	3.5	4.1	3.8	3.1	9.3	10	10	9.3	10	12	12
10	3.5	3.4	3.7	3.8	3.0	9.4	10	10	9.1	10	11	13
11	3.5	3.9	3.7	3.8	2.9	9.3	10	10	10	10	12	12
12	3.5	3.5	3.6	3.9	3.0	9.4	11	9.9	11	11	12	12
13	3.5	3.5	3.6	3.8	3.0	9.4	11	9.8	11	11	15	12
14	3.9	3.5	3.6	3.8	2.9	9.5	10	9.7	11	11	14	12
15	3.6	3.5	3.6	3.7	2.9	9.9	10	9.8	11	11	11	12
16	3.6	3.6	3.6	3.6	2.9	9.8	10	9.7	11	11	11	12
17	3.5	3.6	3.6	3.5	2.9	12	10	9.5	11	11	11	12
18	3.4	3.6	3.7	3.5	2.8	10	10	9.5	11	11	11	12
19	3.5	3.6	6.7	3.5	2.9	10	10	9.6	11	10	11	12
20	3.5	3.6	3.8	3.5	2.9	10	10	9.6	11	11	11	12
21	3.5	3.6	3.8	3.4	2.7	10	10	9.8	11	11	12	13
22	3.5	3.7	3.7	3.3	2.7	10	10	9.8	11	11	12	12
23	3.5	3.7	3.7	3.2	2.8	10	10	9.8	11	10	12	12
24	3.5	3.7	3.8	3.1	2.8	10	10	11	11	10	12	12
25	3.5	3.7	3.8	3.0	2.8	10	10	11	11	11	11	12
26	3.5	3.7	3.7	3.0	2.8	10	10	11	11	11	11	12
27	4.2	3.7	3.6	4.7	6.2	11	10	12	10	11	11	13
28	4.4	3.7	3.6	3.1	12	14	9.8	12	10	11	11	14
29	3.8	3.9	3.6	3.1	9.9	11	9.8	10	11	11	11	14
30	3.8	4.0	3.6	3.1	---	11	10	10	11	11	11	15
31	3.8	---	3.9	3.2	---	11	---	10	---	11	11	---
TOTAL	111.2	110.1	120.4	111.8	104.7	316.3	308.6	312.9	311.8	339	373	378
MEAN	3.59	3.67	3.88	3.61	3.61	10.2	10.3	10.1	10.4	10.9	12.0	12.6
MAX	4.4	4.0	6.7	5.0	12	14	11	12	11	19	20	22
MIN	2.1	3.4	3.6	3.0	2.7	9.3	9.8	9.5	9.1	10	11	11

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

MEAN	4.04	2.27	2.77	4.85	8.22	14.3	17.3	4.13	8.35	16.5	11.9	9.43
MAX	10.0	4.52	6.75	19.4	42.5	66.1	64.0	10.1	28.9	109	97.8	62.1
(WY)	1992	1995	1994	1994	1993	1993	1991	1996	1991	1991	1991	1988
MIN	1.16	1.24	1.13	.97	.96	.95	.97	1.01	.94	.95	.96	1.19
(WY)	1989	1989	1989	1989	1989	1989	1989	1989	1989	1989	1993	1989

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1986 - 1996

ANNUAL TOTAL	1864.4	2897.8	8.81
ANNUAL MEAN	5.11	7.92	30.0
HIGHEST ANNUAL MEAN			1.04
LOWEST ANNUAL MEAN			1991
HIGHEST DAILY MEAN	18	22	220
LOWEST DAILY MEAN	2.1	2.1	Aug 2 1991
ANNUAL SEVEN-DAY MINIMUM	2.4	2.8	Jun 7 1992
INSTANTANEOUS PEAK FLOW		161	May 29 1989
INSTANTANEOUS PEAK STAGE		2.49	Jan 24 1993
10 PERCENT EXCEEDS	8.3	12	Aug 2 1991
50 PERCENT EXCEEDS	3.8	9.8	
90 PERCENT EXCEEDS	2.9	3.4	



## SAVANNAH RIVER BASIN

021973525 L-007 OUTFALL AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°12'26'', long 81°37'27'' (revised), Barnwell County, Hydrologic Unit 03060106, 200 ft south of L-Area, 625 ft north of SRS Road B, 0.6 mi west of intersection of SRS Road B and C, at Savannah River Site.

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Data collection platform. Datum of gage is 195.42 ft above sea level (provided by Savannah River Site).

REMARKS.--Estimated daily discharges, Oct. 1, 2, Nov. 29, Dec. 8. Records fair. Flow completely regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	43	43	43	43	43	44	44	45	45	45	46
2	43	43	43	43	43	43	44	43	45	44	44	46
3	43	43	43	43	42	43	44	44	45	44	45	46
4	43	43	43	43	42	43	44	44	45	44	44	47
5	43	43	43	43	42	43	44	44	45	45	44	47
6	43	43	43	43	42	44	44	44	45	44	44	47
7	43	43	43	43	42	44	44	44	45	44	44	47
8	43	43	43	43	42	43	44	44	45	44	44	47
9	45	43	43	43	43	43	44	44	45	44	44	47
10	61	43	43	43	43	43	44	44	45	44	44	47
11	96	43	43	43	43	43	44	44	45	44	44	47
12	102	43	43	43	43	43	44	44	45	45	45	47
13	100	43	43	43	43	43	44	44	45	45	47	47
14	100	43	43	43	43	43	44	44	45	45	47	47
15	99	43	43	43	43	43	44	44	45	45	47	47
16	99	43	43	43	43	44	44	44	45	45	47	47
17	103	43	43	43	43	44	44	44	45	44	47	47
18	98	43	43	43	43	44	44	44	45	44	47	47
19	110	43	43	43	43	44	44	44	45	44	47	47
20	111	43	43	43	43	44	44	44	45	44	47	47
21	111	43	43	43	43	44	44	44	45	44	47	47
22	111	43	43	43	43	44	44	44	45	44	47	47
23	113	43	43	43	43	44	44	44	45	44	48	47
24	113	43	43	43	43	44	44	44	45	44	48	47
25	92	43	43	43	43	44	43	44	45	44	47	47
26	43	43	43	43	43	44	43	45	45	44	47	47
27	43	43	43	43	43	44	43	45	45	44	47	47
28	43	43	43	42	43	44	43	45	45	44	47	47
29	43	43	43	43	43	44	44	45	45	44	47	47
30	43	43	43	43	---	44	44	45	45	44	46	47
31	43	---	43	43	---	44	---	45	---	44	46	---
TOTAL	2266	1290	1333	1332	1241	1351	1316	1369	1350	1371	1424	1407
MEAN	73.1	43.0	43.0	43.0	42.8	43.6	43.9	44.2	45.0	44.2	45.9	46.9
MAX	113	43	43	43	43	44	44	45	45	45	48	47
MIN	43	43	43	42	42	43	43	43	45	44	44	46

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

	MEAN	85.3	112	133	136	140	158	176	172	169	102	83.1	88.0
MAX	106	283	369	328	364	334	371	362	362	362	156	162	150
(WY)	1989	1988	1987	1986	1987	1987	1986	1988	1987	1987	1991	1989	1989
MIN	59.1	43.0	43.0	43.0	42.8	43.6	43.9	44.2	45.0	44.2	45.9	46.9	46.9
(WY)	1995	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1986 - 1996

ANNUAL TOTAL	22639	17050	
ANNUAL MEAN	62.0	46.6	
HIGHEST ANNUAL MEAN			121
LOWEST ANNUAL MEAN			254
HIGHEST DAILY MEAN	133	113	46.6
LOWEST DAILY MEAN	26	42	470
ANNUAL SEVEN-DAY MINIMUM	28	42	1.4
INSTANTANEOUS PEAK FLOW		42	19
INSTANTANEOUS PEAK STAGE		192	536
10 PERCENT EXCEEDS	115	8.17	20.87
50 PERCENT EXCEEDS	43		361
90 PERCENT EXCEEDS	36	43	99
			43

\* Also occurred on Oct. 24.

\*\* Also occurred on Feb. 3 - 8.

## SAVANNAH RIVER BASIN

021973527 L-007 BELOW OUTFALL AT SAVANNAH RIVER SITE, SC

## WATER-QUALITY RECORDS

LOCATION.--Lat 33°12'25'', long 81°35'22'', Barnwell County, Hydrologic Unit 03060106, 500 ft south of L-Area, 625 ft north of SRS Road B, 0.6 mi west of intersection of SRS Road B and C, at Savannah River Site.

PERIOD OF RECORD.--Water years 1986 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1985 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 76.0°C, May 2, 1986; minimum, 5.0°C, Jan. 21, 1988.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 26.5°C, July 23 - 26; minimum, 6.5°C, Feb. 6 - 8.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	22.5	22.0	22.0	19.0	18.5	19.0	14.0	13.5	14.0	10.5	10.0	10.0
2	22.5	22.0	22.5	19.5	19.0	19.0	14.0	13.5	14.0	11.0	10.5	11.0
3	23.0	22.0	22.5	19.5	19.5	19.5	14.0	13.0	13.5	11.0	10.5	11.0
4	23.5	22.5	23.0	19.5	19.0	19.0	14.0	13.0	13.5	10.5	10.5	10.5
5	24.0	23.5	23.5	19.0	18.0	18.5	14.0	13.5	13.5	10.5	10.0	10.0
6	23.5	23.0	23.5	18.0	17.5	18.0	14.0	13.5	14.0	10.0	9.5	10.0
7	23.5	23.0	23.5	18.0	17.5	18.0	14.0	13.5	14.0	10.0	8.5	9.5
8	23.0	22.5	23.0	17.5	17.0	17.5	13.5	13.0	13.0	8.5	8.5	8.5
9	23.0	22.5	22.5	17.0	16.5	16.5	13.0	13.0	13.0	8.5	8.0	8.0
10	22.5	22.0	22.5	17.0	16.0	16.5	13.0	12.0	12.5	8.0	7.5	8.0
11	22.5	22.5	22.5	16.5	16.0	16.5	12.0	11.0	11.5	7.5	7.0	7.5
12	22.5	22.5	22.5	16.0	15.5	15.5	11.0	10.5	11.0	7.5	7.5	7.5
13	22.5	22.5	22.5	16.0	15.0	15.5	11.0	10.5	11.0	8.0	7.0	7.5
14	23.0	22.5	22.5	15.5	15.0	15.0	11.5	11.0	11.0	8.5	7.5	8.0
15	22.5	21.5	22.0	15.0	14.0	14.5	12.5	11.5	12.0	9.0	8.0	8.5
16	21.5	21.0	21.0	14.5	14.0	14.0	13.0	12.0	12.5	9.0	8.5	8.5
17	21.0	20.0	20.5	14.0	14.0	14.0	13.0	12.5	13.0	9.5	9.0	9.0
18	20.5	20.0	20.0	14.5	13.5	14.0	13.0	12.5	12.5	10.5	9.5	10.0
19	20.5	20.0	20.5	14.5	14.0	14.0	13.5	12.5	13.0	11.0	10.0	10.5
20	21.0	20.5	20.5	14.5	14.0	14.0	13.0	12.0	12.5	10.0	9.5	10.0
21	20.5	20.0	20.5	14.5	14.0	14.5	12.0	11.5	12.0	10.0	9.5	9.5
22	20.0	19.5	20.0	14.0	14.0	14.0	11.5	11.0	11.0	9.5	9.0	9.5
23	20.0	19.0	19.5	14.0	13.5	14.0	11.0	10.0	10.5	9.5	8.5	9.0
24	20.5	20.0	20.0	13.5	13.5	13.5	10.0	9.5	10.0	9.5	9.0	9.5
25	21.0	20.5	20.5	13.5	13.0	13.5	9.5	9.0	9.5	9.0	8.5	9.0
26	21.0	20.5	20.5	13.5	13.0	13.0	9.0	9.0	9.0	9.5	8.5	9.0
27	21.0	20.5	21.0	13.5	13.0	13.5	9.0	8.5	9.0	10.0	9.5	10.0
28	21.0	20.0	20.5	14.0	13.5	14.0	9.0	8.5	8.5	9.5	9.0	9.5
29	20.0	19.5	20.0	14.5	14.0	14.5	9.0	8.5	8.5	9.5	9.0	9.5
30	19.5	19.0	19.5	14.0	14.0	14.0	9.5	8.5	9.0	10.0	9.5	9.5
31	19.0	18.5	19.0	---	---	---	10.0	9.5	9.5	10.5	10.0	10.0
MONTH	24.0	18.5	21.4	19.5	13.0	15.6	14.0	8.5	11.7	11.0	7.0	9.3

## SAVANNAH RIVER BASIN

021973527 L-007 OUTFALL AT SAVANNAH RIVER SITE, SC--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.0	9.5	9.5	11.0	11.0	11.0	12.5	12.0	12.5	18.5	17.5	18.0
2	9.5	9.5	9.5	11.0	10.5	11.0	13.0	12.0	12.5	18.5	17.5	18.0
3	9.5	8.5	9.0	11.0	10.5	10.5	13.5	12.0	12.5	18.5	17.0	17.5
4	8.5	8.0	8.5	11.0	10.0	10.5	14.0	12.5	13.0	18.5	17.5	18.0
5	8.0	7.0	7.5	11.5	10.5	11.0	14.0	13.5	13.5	19.5	18.0	18.5
6	7.0	6.5	7.0	12.0	11.5	12.0	13.5	13.5	13.5	20.5	19.0	19.5
7	7.0	6.5	6.5	12.5	12.0	12.0	14.0	13.0	13.5	21.0	19.5	20.0
8	7.5	6.5	7.0	12.0	11.0	11.5	14.0	13.0	13.5	20.5	19.5	20.0
9	8.5	7.5	8.0	11.0	10.5	10.5	13.5	13.0	13.5	20.0	19.0	19.5
10	9.0	8.0	8.5	10.5	10.0	10.5	13.5	12.5	13.0	20.5	19.0	20.0
11	9.5	9.0	9.0	10.0	9.5	10.0	13.5	12.5	13.0	21.0	20.0	20.5
12	9.5	9.0	9.0	10.0	9.5	9.5	13.5	12.5	13.0	21.0	20.5	21.0
13	9.0	8.5	9.0	10.0	9.0	9.5	14.0	13.0	13.5	20.5	20.0	20.0
14	9.0	8.5	8.5	10.5	9.5	10.0	15.5	14.0	14.5	20.5	19.5	20.0
15	9.5	8.5	9.0	11.5	10.5	11.0	15.5	14.5	15.0	19.5	19.0	19.5
16	9.0	8.5	9.0	12.5	11.5	12.0	15.5	15.0	15.0	20.0	19.0	19.5
17	8.5	8.0	8.5	12.5	12.5	12.5	16.0	15.0	15.5	20.5	19.0	20.0
18	8.5	8.0	8.5	13.0	12.5	12.5	16.0	15.0	15.5	21.0	19.5	20.5
19	8.5	8.0	8.5	12.5	12.0	12.5	16.0	15.5	15.5	21.5	20.0	21.0
20	9.0	8.5	9.0	12.0	11.0	11.5	17.0	15.5	16.5	22.0	20.5	21.0
21	9.5	9.0	9.5	11.0	10.5	10.5	17.5	16.5	17.0	22.0	21.0	21.5
22	10.5	9.5	10.0	10.5	10.0	10.5	18.5	17.0	17.5	22.0	21.0	21.5
23	10.5	10.0	10.5	10.5	9.5	10.0	18.5	17.5	18.0	22.5	21.5	22.0
24	11.0	10.5	10.5	11.0	10.0	10.5	18.5	17.5	18.0	23.0	21.5	22.0
25	11.0	10.0	10.5	11.5	10.5	11.0	18.5	17.5	18.0	22.5	22.0	22.0
26	11.5	10.5	11.0	12.5	11.0	11.5	18.5	18.0	18.0	23.0	21.5	22.0
27	12.5	11.0	11.5	12.0	11.5	12.0	18.5	17.5	18.0	22.5	21.5	22.0
28	12.5	12.0	12.0	11.5	11.5	11.5	19.0	17.0	18.0	22.0	21.5	21.5
29	12.0	11.0	11.5	12.0	11.5	11.5	18.5	18.0	18.5	22.5	21.5	22.0
30	---	---	---	12.0	11.5	12.0	18.5	18.0	18.0	22.0	21.0	21.5
31	---	---	---	12.0	11.5	12.0	---	---	---	21.0	20.0	20.5
MONTH	12.5	6.5	9.2	13.0	9.0	11.1	19.0	12.0	15.2	23.0	17.0	20.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	20.5	19.5	20.0	23.5	22.5	23.0	25.5	25.0	25.0	24.0	23.5	23.5
2	20.5	19.5	19.5	24.0	23.0	23.5	25.5	24.5	25.0	24.0	23.5	23.5
3	20.0	19.0	19.5	24.0	23.0	23.5	25.0	24.5	24.5	24.5	23.5	24.0
4	20.5	19.0	20.0	24.0	23.0	23.5	25.0	24.0	24.5	24.5	24.0	24.0
5	21.0	19.5	20.0	23.5	23.0	23.5	25.5	24.0	24.5	24.5	24.0	24.0
6	21.0	20.0	20.5	24.0	23.0	23.5	25.5	24.5	25.0	25.0	24.0	24.5
7	22.0	20.0	21.0	24.0	23.0	23.5	25.5	24.5	25.0	25.0	24.0	24.5
8	22.0	20.5	21.0	24.0	23.5	23.5	25.5	25.0	25.0	25.0	24.0	24.5
9	22.0	21.0	21.0	24.0	23.5	24.0	25.0	25.0	25.0	25.5	24.5	24.5
10	22.0	21.0	21.5	24.5	23.5	24.0	25.5	24.5	25.0	25.5	24.5	25.0
11	22.5	21.5	22.0	24.5	24.0	24.0	25.0	24.5	24.5	25.0	24.5	25.0
12	23.0	22.0	22.5	24.5	24.0	24.0	25.0	24.0	24.5	24.5	24.0	24.5
13	23.5	22.0	22.5	25.0	24.0	24.5	24.5	24.0	24.0	24.5	23.5	24.0
14	23.5	22.5	23.0	25.0	24.0	24.5	24.5	24.0	24.0	24.0	23.5	23.5
15	23.0	22.0	22.5	25.0	24.0	24.5	24.5	24.0	24.0	24.0	23.0	23.5
16	23.0	22.0	22.5	24.5	24.0	24.5	25.0	24.0	24.5	24.0	23.5	23.5
17	22.5	21.5	22.0	25.0	24.0	24.5	25.5	24.0	24.5	24.5	23.5	24.0
18	22.5	21.5	22.0	25.5	24.0	25.0	25.5	24.5	25.0	24.0	23.5	23.5
19	23.0	22.0	22.5	25.5	24.5	25.0	26.0	25.0	25.0	24.0	23.0	23.5
20	23.0	22.0	22.5	---	---	---	26.0	25.0	25.5	23.5	23.0	23.5
21	22.5	22.0	22.0	26.0	25.0	25.5	26.0	25.0	25.5	23.5	23.0	23.0
22	22.5	21.5	22.0	26.0	25.5	25.5	25.5	25.0	25.0	23.5	23.0	23.0
23	22.5	21.5	22.0	26.5	25.5	26.0	25.0	24.5	25.0	23.5	22.5	23.0
24	23.0	21.5	22.5	26.5	25.5	26.0	25.0	24.0	24.5	23.5	22.5	23.0
25	23.5	22.0	23.0	26.5	25.5	26.0	25.0	24.5	24.5	24.0	23.0	23.5
26	24.0	23.0	23.5	26.5	25.5	26.0	25.0	24.0	24.5	24.0	23.0	23.5
27	23.5	23.0	23.0	26.0	25.5	26.0	25.0	24.0	24.5	24.5	23.5	24.0
28	23.5	22.5	22.5	26.0	25.5	25.5	25.0	24.5	24.5	24.5	23.5	24.0
29	23.5	22.0	22.5	26.0	25.0	25.5	25.0	24.5	24.5	24.0	23.5	23.5
30	23.5	22.5	23.0	26.0	25.0	25.5	24.5	24.0	24.5	23.5	23.0	23.0
31	---	---	---	26.0	25.0	25.5	24.0	23.5	24.0	---	---	---
MONTH	24.0	19.0	21.8	26.5	22.5	24.6	26.0	23.5	24.7	25.5	22.5	23.8
YEAR	26.5	6.5	17.4									

## SAVANNAH RIVER BASIN

02197353 L-LAKE ABOVE DAM AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°09'42'', long 81°37'57'', Barnwell County, Hydrologic Unit Code 03060106, on downstream side of intake tower, 150 ft upstream of L-Lake Dam, 200 ft from left bank, at Savannah River Site, SC.

## GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--October 1987 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 203 ft above sea level (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.85 ft, Oct. 12, 1990; minimum gage height, 5.17 ft, Sept. 14, 15, 16, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.68 ft, July 8; minimum gage height, 6.29 ft, Sept. 9.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	7.23	6.83	6.88	7.15	7.24	7.03	7.15	7.23	7.09	7.24	7.06
2	---	7.19	6.82	6.90	7.13	7.19	7.05	7.06	7.21	7.09	7.44	7.05
3	7.20	7.15	6.82	6.91	7.12	7.13	7.03	6.97	7.20	7.10	7.43	7.03
4	7.09	7.11	6.81	6.92	7.08	7.08	7.06	6.89	7.20	7.09	7.44	7.10
5	6.85	7.05	6.80	6.93	7.03	7.02	7.10	6.81	7.21	7.32	7.42	7.28
6	6.76	6.98	6.81	6.95	6.98	7.01	7.15	6.73	7.22	7.62	7.39	7.04
7	6.67	7.00	6.92	6.99	6.94	7.06	7.20	6.64	7.22	7.64	7.33	6.78
8	6.57	7.01	6.92	7.00	6.91	7.04	7.23	6.58	7.25	7.67	7.28	6.52
9	6.48	6.96	6.95	7.00	6.93	6.96	7.26	6.59	7.31	7.64	7.24	6.31
10	6.41	6.96	6.96	7.01	6.94	6.91	7.25	6.62	7.32	7.58	7.26	6.37
11	6.41	6.99	6.95	7.03	6.95	6.84	7.24	6.64	7.32	7.51	7.23	6.50
12	6.45	7.02	6.95	7.03	6.96	6.78	7.24	6.67	7.30	7.44	7.25	6.55
13	6.49	7.03	6.95	7.00	6.95	6.72	7.24	6.68	7.31	7.37	7.22	6.58
14	6.54	7.04	6.94	6.98	6.96	6.68	7.24	6.69	7.32	7.31	7.25	6.60
15	6.62	7.03	6.94	6.96	6.97	6.68	7.24	6.70	7.36	7.26	7.22	6.63
16	6.64	7.02	6.94	6.97	6.99	6.72	7.24	6.72	7.34	7.23	7.19	6.67
17	6.68	7.02	6.93	6.99	7.00	6.79	7.23	6.76	7.31	7.19	7.16	6.72
18	6.71	7.01	6.92	7.02	7.00	6.83	7.22	6.79	7.29	7.22	7.16	6.76
19	6.77	7.02	7.05	7.06	7.01	6.82	7.22	6.81	7.27	7.18	7.21	6.79
20	6.83	7.02	7.06	7.07	7.05	6.79	7.22	6.84	7.24	7.15	7.17	6.82
21	6.88	7.00	7.01	7.08	7.08	6.77	7.24	6.90	7.21	7.13	7.14	6.85
22	6.93	6.96	6.96	7.09	7.09	6.74	7.23	6.92	7.18	7.10	7.11	6.93
23	6.99	6.94	6.92	7.10	7.10	6.72	7.23	6.94	7.16	7.08	7.10	6.96
24	7.07	6.92	6.88	7.13	7.12	6.71	7.20	6.96	7.13	7.06	7.09	6.99
25	7.13	6.91	6.83	7.14	7.12	6.70	7.12	7.06	7.13	7.05	7.10	7.04
26	7.13	6.89	6.79	7.14	7.13	6.70	7.11	7.11	7.13	7.07	7.10	7.07
27	7.15	6.87	6.75	7.22	7.14	6.74	7.12	7.20	7.12	7.08	7.10	7.10
28	7.27	6.85	6.75	7.24	7.22	6.88	7.11	7.27	7.10	7.10	7.12	7.14
29	7.27	6.86	6.75	7.23	7.28	6.92	7.11	7.28	7.09	7.12	7.11	7.19
30	7.27	6.84	6.76	7.20	---	6.94	7.17	7.27	7.09	7.12	7.10	7.25
31	7.27	---	6.79	7.18	---	6.97	---	7.25	---	7.13	7.08	---
MAX	7.27	7.23	7.06	7.24	7.28	7.24	7.26	7.28	7.36	7.67	7.44	7.28
MIN	6.41	6.84	6.75	6.88	6.91	6.68	7.03	6.58	7.09	7.05	7.08	6.31

## SAVANNAH RIVER BASIN

## 021973537 STEEL CREEK BELOW L-LAKE AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°09'35'', long 81°37'56'', Barnwell County, Hydrologic Unit Code 03060106, on right wingwall, 2 ft downstream from headwall of spillway, directly below L-Lake Dam, at Savannah River Site, SC.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1988 to September 1996 (discontinued).

GAGE.--Data collection platform. Datum of gage is 108.8 ft above sea level (by Global Positioning System and Department of Energy benchmarks).

REMARKS.--Estimated daily discharges, Mar. 26, 27, May 1, 2, 7 - 9, June 4, 5, July 19, Aug. 23 - 29. Records poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	56	35	27	49	60	36	45	29	29	31	46
2	90	55	35	27	49	61	40	72	30	25	39	46
3	83	55	35	26	49	61	33	72	30	22	49	41
4	132	56	35	25	49	61	21	72	24	22	49	39
5	104	56	33	25	49	61	22	72	26	24	50	101
6	73	55	30	25	49	61	22	72	25	22	59	162
7	73	56	30	24	49	62	22	84	25	22	64	162
8	73	54	30	24	36	63	22	20	26	35	60	162
9	71	40	31	24	26	63	30	19	26	55	58	75
10	67	28	30	24	26	62	38	19	26	61	58	23
11	63	28	30	29	26	62	37	19	37	61	58	23
12	62	28	30	40	26	62	37	19	45	61	58	23
13	62	28	33	40	26	62	37	19	46	61	58	23
14	62	30	35	40	26	52	37	19	45	61	58	23
15	62	31	35	34	26	42	38	20	45	61	58	23
16	61	30	35	25	39	27	38	20	45	61	58	24
17	59	31	35	25	57	25	38	20	45	54	58	23
18	57	30	35	25	57	27	38	20	46	49	58	24
19	56	30	44	25	56	28	38	20	46	50	58	24
20	56	35	49	25	57	27	38	20	44	50	58	24
21	57	40	49	25	57	27	37	20	44	50	58	24
22	57	40	50	25	57	27	37	20	44	49	50	24
23	57	40	50	25	52	27	37	20	44	41	50	24
24	56	40	50	25	56	28	64	20	37	36	50	24
25	56	38	50	28	56	27	50	17	29	33	50	24
26	34	40	50	32	56	26	37	17	29	29	49	24
27	26	40	39	32	56	31	37	17	29	29	49	24
28	26	37	30	32	57	31	37	25	29	29	48	24
29	26	35	27	39	58	31	37	29	29	29	48	24
30	27	35	27	48	---	31	30	30	29	29	47	29
31	43	---	27	48	---	32	---	29	---	30	46	---
TOTAL	1892	1197	1134	918	1332	1347	1065	987	1054	1270	1642	1336
MEAN	61.0	39.9	36.6	29.6	45.9	43.5	35.5	31.8	35.1	41.0	53.0	44.5
MAX	132	56	50	48	58	63	64	84	46	61	64	162
MIN	26	28	27	24	26	25	21	17	24	22	31	23

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

	MEAN	65.7	64.6	58.7	63.5	66.8	97.1	90.5	79.6	77.1	76.1	69.3	63.0
MAX	79.7	92.8	77.0	87.8	137	230	131	109	105	197	111	119	
(WY)	1991	1992	1990	1993	1993	1993	1991	1993	1993	1991	1989	1989	
MIN	51.1	39.9	36.6	29.6	45.9	43.5	35.5	31.8	35.1	36.2	53.0	29.8	
(WY)	1994	1996	1996	1996	1996	1996	1996	1996	1996	1990	1996	1990	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1989 - 1996

ANNUAL TOTAL	20050	15174	72.7
ANNUAL MEAN	54.9	41.5	101
HIGHEST ANNUAL MEAN			41.5
LOWEST ANNUAL MEAN			1996
HIGHEST DAILY MEAN	132	Oct 4	348
LOWEST DAILY MEAN	24	Feb 17	1.5
ANNUAL SEVEN-DAY MINIMUM	28	Feb 16	11
INSTANTANEOUS PEAK FLOW			390
INSTANTANEOUS PEAK STAGE			9.98
10 PERCENT EXCEEDS	64	8.66	109
50 PERCENT EXCEEDS	58	37	64
90 PERCENT EXCEEDS	35	24	34

\* Also occurred on Sept. 7, 8.



## SAVANNAH RIVER BASIN

02197354 P-007 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°13'33'', long 81°34'39'', Barnwell County, Hydrologic Unit 03060106, near the middle of the stream, 50 ft southeast of P Area, and 1700 ft southwest of SRS Road F, at Savannah River Site.

PERIOD OF RECORD.--December 1983 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 310 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges, Dec. 1, 2, Jan. 4 - 9, Mar. 23 - 31, Apr. 1, June 1 - 25, July 5, 13, 17, 18, Aug. 1, 3, 5, 13, 14, Sept. 4, 29. Records poor. Flow completely regulated by Savannah River Plant operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.00	.00	.11	.01	.05	.01	.00	.00	.00	.14	.00
2	.02	.00	.00	.00	.05	.05	.00	.00	.00	.00	.03	.00
3	.01	.00	.00	.00	.02	.05	.00	.00	.00	.01	.12	.00
4	.01	.00	.00	.00	.00	.05	.00	.00	.00	.01	.00	.20
5	.00	.00	.00	.00	.00	.05	.00	.00	.00	.44	.01	.04
6	.00	.00	.00	.00	.00	.17	.00	.00	.00	.04	.00	.00
7	.00	.15	.15	.01	.00	.23	.00	.00	.00	.00	.00	.00
8	.00	.01	.00	.00	.00	.07	.00	.00	.01	.00	.00	.00
9	.00	.00	.03	.00	.01	.05	.00	.00	.02	.00	.00	.00
10	.00	.00	.00	.00	.01	.05	.00	.00	.01	.00	.00	.03
11	.00	.05	.00	.00	.01	.05	.00	.00	.01	.00	.00	.00
12	.00	.00	.00	.00	.01	.05	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.01	.05	.00	.00	.00	.00	.01	.00
14	.03	.00	.00	.00	.01	.05	.00	.00	.00	.00	.01	.00
15	.00	.00	.00	.00	.01	.07	.00	.00	.00	.01	.00	.00
16	.00	.00	.00	.00	.02	.10	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.02	.34	.00	.00	.00	.06	.00	.00
18	.00	.00	.00	.00	.02	.12	.00	.00	.00	.00	.00	.00
19	.00	.00	.28	.00	.02	.06	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.03	.05	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.03	.05	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.03	.05	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.04	.05	.00	.07	.01	.00	.00	.00
25	.00	.00	.00	.00	.05	.05	.00	.07	.01	.00	.00	.00
26	.00	.00	.00	.00	.04	.05	.00	.13	.00	.00	.00	.00
27	.05	.00	.00	.23	.03	.06	.00	.29	.00	.00	.00	.00
28	.03	.00	.00	.00	.24	.10	.00	.33	.00	.00	.00	.00
29	.00	.00	.00	.00	.06	.02	.00	.06	.00	.00	.00	.00
30	.00	.00	.00	.00	.00	.00	.02	.02	.00	.00	.00	.04
31	.00	---	.03	.01	---	.00	---	.01	---	.00	.00	---
TOTAL	0.17	0.21	0.49	0.36	0.83	2.24	0.03	0.98	0.07	0.57	0.32	0.31
MEAN	.005	.007	.016	.012	.029	.072	.001	.032	.002	.018	.010	.010
MAX	.05	.15	.28	.23	.24	.34	.02	.33	.02	.44	.14	.20
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

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

MEAN	.60	.67	.56	.56	.61	.59	.47	.52	.59	.58	.61	.59
MAX	1.19	2.12	1.21	1.13	1.21	1.60	.97	1.11	1.13	1.10	1.26	1.27
(WY)	1987	1986	1985	1985	1985	1987	1984	1984	1993	1984	1987	1986
MIN	.005	.003	.009	.012	.011	.001	.000	.001	.002	.001	.010	.001
(WY)	1996	1995	1995	1996	1995	1995	1995	1995	1996	1995	1996	1995

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1984 - 1996

ANNUAL TOTAL	3.01	6.58	.51	
ANNUAL MEAN	.008	.018	1.03	1985
HIGHEST ANNUAL MEAN			.008	1995
LOWEST ANNUAL MEAN			9.0	Nov 23 1985
HIGHEST DAILY MEAN	.39 Jan 14	.44 Jul 5	.00	* Apr 17 1987
LOWEST DAILY MEAN	.00 Jan 1	.00 ** Oct 5	.00	Oct 19 1988
ANNUAL SEVEN-DAY MINIMUM	.00 Jan 31	.00 ** Oct 5	Unknown	Oct 2 1989
INSTANTANEOUS PEAK FLOW		Unknown	1.83	Sep 4
INSTANTANEOUS PEAK STAGE		1.83	1.84	Oct 2 1989
10 PERCENT EXCEEDS	.01	.05	1.2	
50 PERCENT EXCEEDS	.00	.00	.56	
90 PERCENT EXCEEDS	.00	.00	.00	

\* Also occurred on Apr. 19, 1987, and many days in 1989 - 1995.

\*\* Also occurred many days in 1996.

## SAVANNAH RIVER BASIN

021973561 MEYERS BRANCH AT ROAD 9 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°10'00'', long 81°36'04'', Barnwell County, Hydrologic Unit 03060106, on upstream side of bridge at Road 9, at Savannah River Site.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1992 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 140 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated discharges, July 5, 17, 18, Sept. 10 - 17, which are poor.

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	9.0	13	14	13	13	17	9.7	6.1	4.5	25	6.3
2	6.0	8.8	8.6	10	14	13	15	8.4	5.7	4.3	22	6.4
3	5.9	9.1	8.3	9.7	16	12	14	7.5	5.6	4.3	11	6.4
4	6.7	9.0	8.6	8.7	13	11	13	7.0	5.8	4.3	10	15
5	7.0	8.6	8.2	9.3	12	11	13	6.5	6.8	30	8.6	24
6	6.8	8.6	8.1	8.9	12	17	14	6.2	5.8	22	9.1	8.8
7	6.7	15	20	10	12	20	14	5.9	5.4	9.0	7.6	7.4
8	6.4	13	10	9.4	12	17	12	5.9	7.2	8.1	6.9	6.7
9	6.5	9.6	12	8.7	11	15	11	5.6	8.4	8.0	6.9	6.2
10	6.7	8.6	11	8.6	11	14	11	5.5	6.2	6.4	13	6.2
11	6.9	10	8.9	8.5	11	14	11	5.3	6.6	5.7	8.3	6.3
12	7.1	11	8.4	9.4	11	13	11	5.3	5.9	5.7	11	6.5
13	7.1	9.2	8.3	8.7	11	13	10	5.1	8.1	5.6	14	6.2
14	8.1	9.0	12	7.8	11	13	10	5.2	8.2	5.5	29	6.3
15	9.4	9.0	11	7.6	11	14	9.8	5.4	9.3	6.6	10	6.4
16	7.5	8.4	8.5	8.5	11	18	9.6	5.4	6.5	6.5	8.2	6.8
17	7.2	8.6	8.0	9.5	11	25	9.5	5.0	6.0	6.1	7.3	7.0
18	7.1	8.8	10	9.1	11	21	9.2	4.8	5.7	7.9	17	6.8
19	7.1	8.8	29	9.2	11	17	9.4	4.6	5.5	5.7	11	6.3
20	7.1	8.7	12	9.0	13	15	9.6	4.4	5.4	5.8	7.8	6.4
21	7.2	8.9	9.8	8.5	12	15	9.5	4.4	5.2	7.8	7.1	6.3
22	7.2	8.7	9.1	8.6	11	14	8.6	4.5	5.1	6.4	6.5	8.9
23	7.3	9.0	8.8	8.8	11	14	8.3	4.6	4.9	5.9	6.4	6.6
24	7.4	9.7	8.6	9.9	11	12	8.2	4.8	4.5	5.3	7.8	6.1
25	7.3	13	8.7	9.0	10	12	8.2	15	3.3	7.1	6.8	5.9
26	7.3	9.0	8.6	8.5	10	12	8.5	9.2	4.6	7.8	6.9	5.9
27	8.2	8.8	8.6	21	9.9	14	8.6	12	4.7	6.0	8.3	5.8
28	16	8.8	8.5	15	18	27	8.0	12	4.5	6.9	7.8	5.9
29	9.2	8.9	8.2	14	15	19	7.8	8.7	4.6	6.4	7.1	6.6
30	8.8	8.5	8.3	13	---	16	7.0	7.0	4.6	5.5	6.6	9.9
31	8.9	---	9.3	14	---	16	---	6.4	---	6.2	6.3	---
TOTAL	234.2	284.1	320.4	314.9	345.9	477	324.8	207.3	176.2	233.3	321.3	226.3
MEAN	7.55	9.47	10.3	10.2	11.9	15.4	10.8	6.69	5.87	7.53	10.4	7.54
MAX	16	15	29	21	18	27	17	15	9.3	30	29	24
MIN	5.9	8.4	8.0	7.6	9.9	11	7.8	4.4	3.3	4.3	6.3	5.8

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	10.7	11.6	12.2	16.8	16.1	17.6	11.4	7.20	8.11	7.87	8.55	7.59
MAX	14.2	13.4	14.3	23.1	20.3	24.4	16.2	9.36	10.5	8.70	10.4	8.63
(WY)	1995	1993	1995	1993	1993	1993	1993	1993	1995	1995	1996	1993
MIN	7.55	9.47	10.3	10.2	11.9	13.4	8.83	6.23	5.87	6.95	6.35	6.73
(WY)	1996	1996	1996	1996	1996	1995	1995	1994	1996	1994	1994	1995

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1993 - 1996

ANNUAL TOTAL	3995.3	3465.7	11.3
ANNUAL MEAN	10.9	9.47	13.6
HIGHEST ANNUAL MEAN			9.47
LOWEST ANNUAL MEAN			1993
HIGHEST DAILY MEAN	86	Jan 15	101
LOWEST DAILY MEAN	4.9	Sep 11	3.3
ANNUAL SEVEN-DAY MINIMUM	5.2	Sep 7	4.4
INSTANTANEOUS PEAK FLOW			4.4
INSTANTANEOUS PEAK STAGE			Jun 24 1996
10 PERCENT EXCEEDS	16	Unknown	Jul 5 1996
50 PERCENT EXCEEDS	8.8	4.63	Jul 5 1996
90 PERCENT EXCEEDS	6.2	14	18
		8.6	9.7
		5.6	5.9

SAVANNAH RIVER BASIN  
021973561 MEYERS BRANCH AT ROAD 9 AT SAVANNAH RIVER SITE, SC--Continued  
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1992 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: December 1992 to September 1996 (discontinued).

INSTRUMENTATION.--Data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.5°C, July 16, 1993; minimum, 2.0°C, Jan. 20, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.0°C, July 10, 22 - 24; minimum, 3.0°C, Jan. 9, Feb. 5, 6.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	21.0	19.5	20.0	17.5	15.5	17.0	11.5	8.5	10.0	11.5	10.0	11.0
2	22.0	19.5	20.5	19.5	17.5	18.5	12.5	8.5	10.5	14.0	11.5	12.5
3	21.5	20.0	21.0	19.0	18.5	19.0	12.5	8.5	10.5	13.0	9.0	11.5
4	23.0	21.0	22.0	18.5	13.5	16.0	13.5	9.0	11.5	9.0	7.0	8.0
5	23.5	22.5	23.0	13.5	11.5	12.5	14.5	12.5	13.5	9.0	5.5	7.0
6	23.0	21.0	22.0	14.0	11.0	12.5	14.5	12.5	13.5	9.0	6.0	7.5
7	23.0	20.5	22.0	16.5	13.5	15.0	14.0	10.5	12.5	8.5	4.5	7.0
8	21.0	18.0	20.0	15.5	12.5	14.5	10.5	8.5	9.5	5.5	3.5	4.5
9	21.0	19.0	20.0	12.5	10.0	11.0	10.5	9.5	10.0	6.0	3.0	4.5
10	21.5	19.5	20.5	13.0	9.0	11.0	9.5	6.5	8.0	7.5	4.5	6.0
11	21.5	21.0	21.0	15.0	12.0	13.5	8.0	5.5	6.5	7.5	4.5	6.0
12	21.0	20.5	21.0	12.0	9.5	11.0	8.5	5.0	6.5	8.0	7.0	7.5
13	22.5	21.0	21.5	11.5	8.5	10.0	9.0	5.5	7.5	8.5	5.5	7.0
14	23.0	21.5	22.0	12.0	10.5	11.5	11.0	7.0	8.5	10.0	5.5	7.5
15	22.0	17.5	19.5	10.5	8.5	10.0	13.0	8.0	10.5	11.0	6.5	9.0
16	18.0	15.0	17.0	10.5	8.0	9.5	15.0	12.0	13.5	10.0	8.0	9.0
17	17.5	14.5	16.0	10.5	7.5	9.0	13.5	12.0	13.0	10.5	9.0	10.0
18	18.5	15.5	16.5	11.5	8.0	9.5	12.5	11.0	12.0	14.0	10.5	12.5
19	19.0	16.5	17.5	12.5	9.0	10.5	13.5	10.5	12.0	14.5	8.5	12.0
20	19.0	16.0	17.5	12.5	9.5	11.5	12.5	9.0	11.0	8.5	5.5	7.0
21	18.0	14.0	16.0	13.0	11.0	12.0	9.0	6.5	8.0	8.5	7.0	7.5
22	16.0	12.0	14.0	11.0	8.5	10.0	7.5	5.0	6.5	9.0	5.0	7.0
23	16.5	12.5	14.5	11.0	7.5	9.0	7.5	5.5	6.5	10.0	5.5	7.5
24	18.5	16.0	17.0	11.5	10.0	10.5	6.5	4.5	5.5	12.0	9.5	10.5
25	19.0	17.0	18.0	11.0	9.0	10.0	6.5	3.5	5.0	9.5	6.5	8.0
26	18.5	16.0	17.5	11.5	8.0	9.5	6.5	4.0	5.0	12.0	6.5	9.0
27	19.5	16.5	18.0	12.0	8.0	10.0	7.0	4.0	5.5	12.5	9.5	11.5
28	19.0	16.5	18.5	15.0	11.0	13.0	6.5	4.0	5.0	9.5	6.5	8.0
29	16.5	13.5	15.0	15.5	13.0	14.5	6.5	3.5	5.0	10.5	7.5	9.0
30	15.5	12.5	14.0	13.0	10.0	11.5	8.5	4.0	6.5	12.0	9.0	10.5
31	15.5	15.0	15.0	---	---	---	10.5	8.5	9.5	14.0	11.5	12.5
MONTH	23.5	12.0	18.6	19.5	7.5	12.1	15.0	3.5	9.0	14.5	3.0	8.6

021973561 MEYERS BRANCH AT ROAD 9 AT SAVANNAH RIVER SITE, SC--Continued

TEMPERATURE (°C) OF WATER. WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	12.0	10.5	11.5	14.5	12.0	13.5	15.0	13.0	14.5	17.5	13.0	15.5
2	11.5	9.5	11.0	15.5	12.0	13.5	17.0	11.5	14.0	18.5	13.5	16.5
3	9.5	7.0	8.0	15.0	9.5	12.0	18.0	10.0	14.0	19.5	15.0	17.5
4	7.0	5.0	6.0	15.0	9.0	12.0	19.5	12.5	16.0	21.5	16.5	19.0
5	6.0	3.0	4.5	16.0	10.0	13.0	20.5	14.5	17.0	22.0	18.0	20.0
6	7.5	3.0	5.0	15.5	14.0	14.5	16.0	13.0	13.5	23.0	19.5	21.0
7	8.0	4.0	6.0	16.0	13.5	15.5	16.5	11.5	13.5	22.0	18.5	20.5
8	11.0	6.0	8.0	13.5	9.0	11.0	16.5	10.0	13.5	22.5	19.5	21.0
9	14.0	9.5	11.5	11.0	6.5	8.5	16.5	12.0	14.0	22.5	19.5	21.0
10	13.0	8.0	10.5	11.0	6.0	8.0	16.0	9.0	12.5	22.5	18.5	21.0
11	14.5	11.5	12.5	12.0	7.5	9.5	17.0	9.0	13.0	22.5	20.0	21.0
12	11.5	8.5	10.0	13.0	7.0	10.0	18.5	10.5	14.5	21.0	18.0	20.0
13	10.0	6.5	8.0	14.0	7.0	10.5	18.0	13.0	16.0	18.0	16.0	16.5
14	11.5	7.5	9.5	16.0	9.0	12.5	21.5	15.5	18.5	18.0	14.5	16.0
15	14.5	10.0	12.0	17.5	12.5	14.5	19.0	16.5	18.0	17.5	15.0	16.5
16	13.0	8.0	10.0	18.5	13.5	16.0	18.5	14.0	16.5	20.0	16.0	18.0
17	9.5	6.0	7.5	16.5	15.0	16.0	19.0	12.0	15.5	21.5	17.5	19.5
18	11.0	6.0	8.5	16.0	14.5	15.5	19.0	13.0	16.0	22.5	18.5	20.5
19	11.5	8.0	9.5	15.5	12.0	14.0	18.5	15.5	17.0	23.0	19.5	21.5
20	14.5	11.0	12.0	12.0	10.0	11.0	21.0	16.0	18.0	23.5	20.0	21.5
21	15.0	10.5	12.5	11.5	8.5	10.0	21.5	16.0	18.5	23.0	20.0	21.5
22	16.0	11.5	13.5	13.0	7.0	10.0	22.0	17.5	20.0	23.0	20.5	22.0
23	16.0	13.0	14.5	14.0	6.5	10.0	21.5	18.5	20.0	22.5	21.0	22.0
24	18.0	13.5	15.0	15.5	8.5	12.0	19.0	15.0	17.0	23.0	21.0	22.0
25	16.0	10.5	13.5	15.0	11.0	13.0	19.0	13.5	16.5	22.0	20.5	21.0
26	18.0	11.5	14.5	18.5	12.0	15.0	18.5	17.0	17.5	23.0	19.5	21.0
27	18.5	13.0	15.5	15.5	12.5	13.5	19.5	15.5	17.5	23.0	20.0	21.5
28	15.5	14.5	15.0	12.5	11.0	11.5	20.0	14.0	17.0	21.5	20.5	21.0
29	15.5	13.0	14.5	15.5	10.5	12.5	19.0	18.5	18.5	22.5	19.5	21.0
30	---	---	---	14.5	12.0	13.5	18.5	16.5	18.0	22.0	19.0	20.5
31	---	---	---	15.0	12.5	13.5	---	---	---	20.0	17.0	19.0
MONTH	18.5	3.0	10.7	18.5	6.0	12.4	22.0	9.0	16.2	23.5	13.0	19.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	19.5	16.0	18.0	23.5	21.0	22.5	23.5	23.0	23.0	21.5	20.5	21.0
2	20.0	17.5	18.5	24.0	21.5	23.0	24.0	23.0	23.5	22.0	21.0	21.5
3	19.5	17.5	18.5	24.0	22.5	23.5	24.0	23.0	23.5	22.5	21.5	22.0
4	20.5	18.0	19.0	23.0	21.0	22.5	24.5	22.5	23.5	22.5	21.5	22.0
5	21.0	19.0	20.0	22.0	21.5	21.5	24.5	22.5	23.5	22.5	22.0	22.5
6	21.5	18.0	20.0	22.5	21.0	21.5	24.0	23.0	23.5	23.5	21.5	22.5
7	22.0	19.0	20.5	23.5	21.0	22.0	24.5	22.5	23.5	24.0	21.5	23.0
8	22.5	20.5	21.0	23.5	22.0	23.0	24.0	22.5	23.5	23.5	22.0	23.0
9	23.0	20.5	21.5	24.5	22.5	23.5	23.5	22.0	22.5	23.5	22.0	23.0
10	23.0	20.5	22.0	25.0	22.0	23.5	24.0	22.5	23.0	23.0	22.0	22.5
11	23.5	21.5	22.0	24.0	23.0	23.5	23.5	22.0	22.5	23.0	22.0	22.5
12	23.5	20.5	22.0	23.5	22.0	22.5	23.5	22.5	23.0	23.0	21.5	22.0
13	23.5	20.5	22.0	24.0	21.0	22.5	23.5	22.5	23.0	22.0	20.0	21.0
14	22.5	20.5	21.5	24.0	22.0	23.0	23.0	22.0	22.5	20.5	17.5	19.0
15	23.0	20.5	22.0	24.5	22.5	23.5	23.0	21.0	22.0	20.0	16.5	18.5
16	23.0	20.5	22.0	23.5	22.5	23.0	23.5	21.0	22.0	21.5	19.0	20.0
17	23.0	20.5	21.5	---	---	---	23.5	21.0	22.5	23.0	21.0	22.0
18	22.5	20.0	21.5	---	---	---	23.5	21.5	22.5	21.5	19.5	20.5
19	22.5	21.0	22.0	24.5	23.0	23.5	23.5	21.5	22.5	20.0	17.5	19.0
20	23.5	21.5	22.5	24.5	23.5	24.0	23.5	21.0	22.5	19.5	16.5	18.0
21	24.0	21.5	22.5	24.5	23.0	24.0	23.5	21.0	22.0	19.5	17.5	18.5
22	24.0	21.5	23.0	25.0	23.5	24.0	23.0	20.0	21.5	21.0	19.0	20.0
23	24.5	22.0	23.5	25.0	23.0	24.0	23.0	21.0	22.0	20.0	16.5	18.5
24	---	---	---	25.0	23.5	24.5	23.5	21.0	22.0	20.5	17.5	19.0
25	24.5	22.5	23.5	24.5	23.5	24.0	23.0	21.5	22.0	21.0	18.0	19.5
26	24.0	23.0	23.5	24.0	23.0	23.5	23.0	21.5	22.0	21.5	18.5	20.0
27	23.5	21.5	23.0	23.5	22.5	23.0	23.0	21.0	22.0	22.0	20.0	21.0
28	22.5	19.5	21.0	23.5	22.5	23.0	22.5	22.0	22.0	22.0	20.5	21.0
29	22.5	20.0	21.0	24.0	22.5	23.5	22.5	21.5	22.0	21.0	19.5	20.5
30	22.5	20.5	21.5	24.0	22.5	23.5	22.5	21.5	22.0	19.5	19.0	19.5
31	---	---	---	24.0	23.0	23.5	22.0	21.0	21.5	---	---	---
MONTH	24.5	16.0	21.4	25.0	21.0	23.2	24.5	20.0	22.5	24.0	16.5	20.8
YEAR	25.0	3.0	16.3									

## SAVANNAH RIVER BASIN

## 021973565 STEEL CREEK AT ROAD A AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°08'44'', long 81°37'44'', Barnwell County, Hydrologic Unit 03060106, on right downstream side of bridge on SRS Road A, 160 ft downstream from Meyers Branch, at Savannah River Site.

PERIOD OF RECORD.--March 1985 to current year.

GAGE.--Data collection platform. Elevation of gage is 110 ft above sea level (from topographic map). Prior to Sept. 17, 1993, at datum 1.0 ft higher.

REMARKS.--Records good except for estimated daily discharges, Oct. 20, 21, Nov. 22, 26 - 29, Sept. 11, 12, which are poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	75	64	64	75	79	60	76	42	27	85	67
2	111	75	57	54	75	79	59	86	42	25	124	68
3	98	75	57	51	83	78	53	85	42	22	79	62
4	162	77	57	47	75	76	40	84	38	22	80	71
5	141	76	52	46	73	77	40	83	37	63	74	183
6	89	76	69	47	73	86	41	82	35	96	86	229
7	88	88	72	50	73	98	42	81	35	39	89	223
8	87	99	59	48	61	90	39	61	37	48	82	222
9	86	64	64	46	49	82	45	32	42	73	82	121
10	82	49	56	46	48	80	52	31	41	80	92	47
11	78	51	53	51	48	79	52	31	50	82	86	59
12	78	57	54	65	47	79	52	31	52	83	100	48
13	78	51	59	63	47	78	52	30	52	82	88	37
14	79	51	63	61	47	69	52	31	46	82	121	36
15	83	51	67	54	47	64	52	31	50	84	89	35
16	78	51	59	45	47	76	51	31	44	85	84	36
17	75	50	58	47	47	89	50	30	43	78	82	43
18	73	51	57	47	47	86	50	30	44	78	91	37
19	72	51	115	50	47	73	51	29	43	71	111	36
20	72	55	89	46	52	68	52	29	42	70	84	35
21	72	61	78	46	49	66	51	29	41	74	82	36
22	72	63	76	45	47	65	50	29	41	72	73	44
23	70	63	75	46	44	64	49	29	41	61	67	37
24	71	64	74	48	46	63	74	29	35	54	69	35
25	71	70	74	51	45	63	64	42	28	52	68	35
26	51	66	74	54	45	56	50	34	27	51	69	35
27	43	65	63	75	45	54	51	44	27	47	74	34
28	67	61	53	64	56	85	49	49	27	49	77	35
29	47	57	50	64	70	64	49	49	27	49	70	36
30	44	57	49	73	---	56	66	44	27	46	68	49
31	59	---	51	78	---	56	---	44	---	48	67	---
TOTAL	2454	1900	1998	1672	1608	2278	1538	1426	1178	1893	2593	2071
MEAN	79.2	63.3	64.5	53.9	55.4	73.5	51.3	46.0	39.3	61.1	83.6	69.0
MAX	162	99	115	78	83	98	74	86	52	96	124	229
MIN	43	49	49	45	44	54	39	29	27	22	67	34

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1996, BY WATER YEAR (WY)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	83.8	145	167	165	163	189	196	168	182	115	87.0	84.1
MAX	158	314	427	368	402	381	428	417	376	261	175	133
(WY)	1991	1986	1987	1988	1988	1988	1988	1988	1987	1991	1989	1989
MIN	23.3	63.3	58.8	53.9	55.4	45.8	44.7	31.1	28.5	38.9	39.0	23.9
(WY)	1986	1996	1989	1996	1996	1985	1985	1985	1985	1985	1985	1985

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1985 - 1996

ANNUAL TOTAL	28595	22609	151
ANNUAL MEAN	78.3	61.8	287
HIGHEST ANNUAL MEAN			1988
LOWEST ANNUAL MEAN			1996
HIGHEST DAILY MEAN	218	Jun 6	500
LOWEST DAILY MEAN	43	Oct 27	7.7
ANNUAL SEVEN-DAY MINIMUM	51	Nov 13	12
INSTANTANEOUS PEAK FLOW			Unknown
INSTANTANEOUS PEAK STAGE			* 4.32
10 PERCENT EXCEEDS	89	3.07	376
50 PERCENT EXCEEDS	76		91
90 PERCENT EXCEEDS	62		48

\* At datum then in use.



## SAVANNAH RIVER BASIN

02197361 PAR POND AT ROAD 8 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°16'07'', long 81°32'31'', Barnwell County, Hydrologic Unit Code 03060106, on Par Pond between Pond C and Par Pond, at Savannah River Site, SC.

PERIOD OF RECORD.--October 1991 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 170 ft above sea level (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 83.33 ft, Aug. 27, 1995; minimum gage height, 63.52 ft, Aug. 30, 31, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 83.18 ft, Mar. 17; minimum gage height, 82.42 ft, July 5.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83.02	82.90	82.86	83.04	83.06	83.02	83.15	82.90	82.81	82.53	82.69	82.73
2	83.01	82.90	82.85	83.06	83.06	83.01	83.13	82.89	82.80	82.51	82.83	82.73
3	83.00	82.91	82.85	83.05	83.09	82.98	83.11	82.87	82.78	82.48	82.84	82.72
4	83.03	82.91	82.84	83.03	83.08	82.96	83.10	82.86	82.77	82.45	82.87	82.80
5	83.00	82.89	82.85	83.02	83.06	82.95	83.08	82.84	82.76	82.57	82.88	83.06
6	82.98	82.88	82.85	83.01	83.04	82.98	83.08	82.83	82.75	82.74	82.88	83.04
7	82.96	82.93	82.99	83.01	83.04	83.05	83.07	82.82	82.74	82.72	82.87	83.01
8	82.95	82.99	83.00	83.00	83.03	83.04	83.06	82.84	82.75	82.71	82.84	83.00
9	82.93	82.96	83.01	82.98	83.02	83.04	83.04	82.83	82.79	82.69	82.83	82.97
10	82.91	82.95	83.01	82.98	83.02	83.04	83.01	82.81	82.77	82.68	82.83	82.96
11	82.90	82.97	83.00	82.97	83.01	83.01	83.00	82.79	82.77	82.66	82.82	82.98
12	82.89	82.98	82.98	82.98	82.99	82.99	82.99	82.76	82.76	82.64	82.83	82.96
13	82.88	82.96	82.97	82.98	82.97	82.98	82.98	82.74	82.81	82.63	82.83	82.93
14	82.90	82.94	82.96	82.97	82.96	82.97	82.97	82.72	82.80	82.63	82.92	82.90
15	82.93	82.93	82.96	82.96	82.96	82.98	82.97	82.70	82.79	82.66	82.91	82.87
16	82.91	82.91	82.96	82.96	82.95	83.03	82.94	82.69	82.78	82.70	82.89	82.86
17	82.89	82.90	82.95	82.96	82.94	83.10	82.93	82.69	82.76	82.70	82.87	82.86
18	82.87	82.88	82.94	82.97	82.93	83.16	82.92	82.69	82.75	82.71	82.85	82.84
19	82.86	82.88	83.05	82.99	82.93	83.15	82.91	82.68	82.74	82.70	82.83	82.81
20	82.85	82.88	83.08	82.98	82.95	83.11	82.92	82.68	82.72	82.69	82.81	82.79
21	82.83	82.87	83.06	82.97	82.96	83.08	82.92	82.67	82.72	82.70	82.79	82.78
22	82.82	82.86	83.04	82.96	82.96	83.06	82.91	82.66	82.71	82.70	82.77	82.79
23	82.81	82.85	83.03	82.96	82.96	83.04	82.90	82.65	82.70	82.69	82.79	82.77
24	82.81	82.85	83.01	82.97	82.96	83.02	82.88	82.65	82.68	82.67	82.86	82.76
25	82.81	82.86	82.99	82.98	82.95	83.01	82.87	82.81	82.68	82.67	82.84	82.75
26	82.80	82.86	82.98	82.98	82.95	83.00	82.85	82.81	82.66	82.67	82.83	82.74
27	82.82	82.86	82.97	83.05	82.95	83.02	82.85	82.84	82.63	82.65	82.81	82.73
28	82.93	82.86	82.96	83.07	83.00	83.14	82.83	82.90	82.60	82.65	82.80	82.72
29	82.91	82.86	82.94	83.06	83.04	83.15	82.84	82.89	82.57	82.65	82.79	82.72
30	82.90	82.86	82.94	83.05	---	83.15	82.91	82.87	82.55	82.64	82.77	82.76
31	82.89	---	82.95	83.06	---	83.14	---	82.84	---	82.63	82.75	---
MAX	83.03	82.99	83.08	83.07	83.09	83.16	83.15	82.90	82.81	82.74	82.92	83.06
MIN	82.80	82.85	82.84	82.96	82.93	82.95	82.83	82.65	82.55	82.45	82.69	82.72

## SAVANNAH RIVER BASIN

02197362 P-019 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°14'06'', long 81°35'00'', Barnwell County, Hydrologic Unit 03060106, on left wingwall of concrete weir, 50 ft north of junction of L-Line and Main Line railroad track, 1500 ft northwest of P-Area, at Savannah River Site.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1983 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 270 ft above sea level (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, Apr. 4 to Sept. 30, which are poor. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	5.1	5.7	6.2	6.4	.67	.75	.01	.01	.03	.05	.01
2	5.6	5.1	6.0	5.7	6.4	.63	.67	.01	.01	.03	.03	.01
3	6.0	5.1	6.0	5.5	6.0	.63	.63	.01	.01	.03	.04	.01
4	5.5	4.9	6.0	5.5	6.0	.63	.35	.01	.01	.03	.02	.03
5	5.6	4.8	5.6	5.5	6.0	.63	.30	.01	.01	.02	.03	.02
6	5.6	4.8	5.7	5.5	6.1	.79	.28	.01	.02	.02	.02	.01
7	5.5	5.6	8.5	5.7	6.1	1.0	.26	.01	.02	.01	.01	.01
8	5.5	5.1	7.7	5.5	6.3	.76	.22	.01	.02	.01	.01	.01
9	6.6	5.1	8.2	5.5	6.5	.63	.20	.01	.01	.01	.02	.01
10	6.8	5.1	7.7	5.7	5.1	.63	.17	.01	.01	.01	.01	.02
11	5.7	5.6	7.7	5.6	4.5	.63	.14	.01	.01	.01	.01	.02
12	5.5	5.5	7.6	5.8	4.5	.63	.10	.01	.02	.01	.02	.01
13	5.5	5.4	7.7	6.0	4.5	.63	.07	.01	.02	.01	.02	.01
14	5.9	4.5	8.0	6.1	4.5	.63	.05	.01	.01	.02	.03	.01
15	6.4	4.5	8.1	6.0	4.5	.70	.05	.01	.02	.02	.01	.01
16	6.5	4.7	8.3	5.7	4.5	.77	.03	.01	.01	.01	.01	.01
17	6.2	4.8	8.0	5.6	4.5	1.1	.01	.01	.01	.02	.01	.01
18	5.8	4.8	8.1	6.1	4.5	.86	.01	.01	.01	.02	.01	.01
19	5.1	4.8	8.7	5.9	4.5	.74	.01	.01	.02	.01	.01	.01
20	5.2	4.6	7.0	5.8	4.5	.66	.01	.01	.02	.01	.01	.01
21	5.2	4.7	6.9	6.0	4.5	.63	.01	.01	.02	.02	.01	.01
22	5.3	4.8	7.0	5.8	4.5	.64	.01	.01	.03	.02	.01	.01
23	5.5	4.8	6.7	5.9	4.5	.66	.01	.01	.03	.02	.02	.01
24	5.5	5.0	6.6	6.3	4.5	.67	.01	.01	.03	.02	.01	.01
25	5.4	5.1	6.6	6.0	4.5	.68	.01	.01	.04	.03	.02	.01
26	4.8	5.0	6.5	6.3	4.3	.67	.01	.01	.04	.02	.01	.01
27	5.4	5.4	6.5	6.8	2.6	.71	.01	.01	.03	.02	.01	.01
28	5.3	5.8	6.5	6.0	1.1	.99	.01	.01	.03	.03	.02	.01
29	5.1	5.6	6.5	6.3	.74	.74	.01	.01	.03	.03	.02	.01
30	5.1	5.5	6.1	6.5	---	.65	.01	.01	.03	.03	.02	.01
31	5.2	---	6.4	6.4	---	.67	---	.01	---	.04	.02	---
TOTAL	173.4	151.6	218.6	183.2	137.14	22.06	4.41	0.31	0.59	0.62	0.55	0.35
MEAN	5.59	5.05	7.05	5.91	4.73	.71	.15	.010	.020	.020	.018	.012
MAX	6.8	5.8	8.7	6.8	6.5	1.1	.75	.01	.04	.04	.05	.03
MIN	4.8	4.5	5.6	5.5	.74	.63	.01	.01	.01	.01	.01	.01

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

	138	140	144	163	165	160	81.9	107	99.9	121	146	131
MEAN	138	140	144	163	165	160	81.9	107	99.9	121	146	131
MAX	447	424	422	393	419	431	365	379	360	425	411	441
(WY)	1988	1986	1987	1986	1988	1988	1986	1986	1984	1987	1985	1986
MIN	2.48	2.81	1.36	1.14	.87	.56	.15	.010	.020	.020	.018	.000
(WY)	1992	1993	1993	1993	1993	1991	1996	1996	1996	1996	1996	1991

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1984 - 1996

ANNUAL TOTAL	2428.2	892.83	
ANNUAL MEAN	6.65	2.44	
HIGHEST ANNUAL MEAN			118
LOWEST ANNUAL MEAN			326
HIGHEST DAILY MEAN	107	Feb 22	8.7
LOWEST DAILY MEAN	1.9	Mar 12	.01
ANNUAL SEVEN-DAY MINIMUM	2.2	May 10	.01
INSTANTANEOUS PEAK FLOW			18
INSTANTANEOUS PEAK STAGE			2.28
10 PERCENT EXCEEDS	11		6.3
50 PERCENT EXCEEDS	5.5		.63
90 PERCENT EXCEEDS	2.3		.01

## SAVANNAH RIVER BASIN

02197362 P-019 AT SAVANNAH RIVER SITE, SC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1984 to 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: March 1984 to September 1996 (discontinued).

INSTRUMENTATION.--USGS data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 75.5°C, May 24, 27, 28, 1986; minimum, 4.5°C, Jan. 20 - 22, 1994, Jan. 25, 1995.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 27.0°C, June 23 - 26; minimum, 7.0°C, Feb. 5 - 7.

## TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22.0	21.0	21.5	19.0	18.5	19.0	13.5	13.0	13.5	11.5	10.5	11.0
2	22.0	21.5	22.0	20.0	19.0	19.5	13.5	13.0	13.5	12.0	11.5	11.5
3	22.5	22.0	22.0	20.0	19.5	20.0	14.0	13.0	13.5	12.0	11.0	11.5
4	23.0	22.5	22.5	19.5	18.0	19.0	14.0	13.5	13.5	11.0	10.0	10.5
5	23.5	23.0	23.0	18.0	17.0	17.5	14.5	14.0	14.5	10.0	9.5	10.0
6	23.5	22.5	23.0	17.0	16.5	17.0	14.5	14.0	14.5	10.5	10.0	10.0
7	23.5	23.0	23.5	18.0	17.0	17.5	14.5	13.0	14.0	10.5	9.5	10.0
8	23.0	22.5	22.5	17.5	16.5	17.0	13.0	12.5	13.0	9.5	8.5	8.5
9	22.5	22.0	22.5	16.5	16.0	16.0	13.0	12.0	12.0	8.5	8.0	8.5
10	22.5	22.0	22.5	16.0	15.5	15.5	12.0	11.5	12.0	8.5	8.5	8.5
11	22.5	22.5	22.5	16.5	15.5	16.0	11.5	11.0	11.5	8.5	8.0	8.5
12	22.5	22.0	22.5	15.5	14.5	15.0	11.5	11.0	11.0	9.0	8.5	9.0
13	22.5	22.0	22.5	15.0	14.5	14.5	12.0	11.0	11.5	9.0	8.0	8.5
14	23.0	22.5	23.0	15.0	15.0	15.0	12.5	11.5	12.0	9.0	8.0	8.5
15	23.0	21.5	22.0	15.0	14.0	14.0	13.0	12.0	12.5	9.5	8.5	9.0
16	21.5	20.5	21.0	14.0	13.5	13.5	13.5	13.0	13.0	9.5	9.0	9.0
17	21.0	20.0	20.5	13.5	13.5	13.5	13.5	13.0	13.0	9.5	9.5	9.5
18	20.5	20.0	20.5	14.0	13.0	13.5	13.0	12.5	13.0	10.5	9.5	10.0
19	20.5	20.0	20.5	14.5	13.5	14.0	13.5	12.0	12.5	11.0	10.0	11.0
20	21.0	20.0	20.5	14.5	14.0	14.0	13.5	12.0	12.5	10.0	9.0	9.5
21	20.5	19.5	20.0	14.5	14.0	14.5	12.0	11.5	11.5	9.0	8.5	9.0
22	19.5	18.5	19.0	14.0	13.5	13.5	11.5	11.0	11.0	9.0	8.5	8.5
23	19.5	18.5	19.0	13.5	13.0	13.0	11.0	10.5	11.0	9.5	8.5	9.0
24	20.0	19.5	19.5	13.5	13.5	13.5	11.0	10.0	10.5	10.5	9.5	10.0
25	20.5	20.0	20.0	13.5	13.0	13.5	10.0	9.5	10.0	10.0	9.5	9.5
26	20.5	19.5	20.0	13.0	12.5	13.0	10.0	9.5	9.5	10.0	9.0	9.0
27	20.5	19.5	20.0	13.5	13.0	13.0	9.5	9.0	9.5	11.5	10.0	11.0
28	20.5	19.5	20.0	14.5	13.5	14.0	9.5	9.0	9.0	11.0	9.0	9.5
29	19.5	18.5	19.0	15.0	14.5	14.5	9.0	8.5	9.0	9.5	9.0	9.0
30	19.0	18.5	18.5	14.5	13.5	14.0	9.5	9.0	9.0	10.0	9.5	9.5
31	18.5	18.5	18.5	---	---	---	10.5	9.5	10.0	11.0	10.0	10.5
MONTH	23.5	18.5	21.1	20.0	12.5	15.2	14.5	8.5	11.8	12.0	8.0	9.6



## SAVANNAH RIVER BASIN

02197380 LOWER THREE RUNS BELOW PAR POND AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°14'07'', long 81°31'00'', Barnwell County, Hydrologic Unit 03060106, on right upstream side of west bound bridge on SRS Rd B, 200 ft downstream of spillway culvert below Par Pond, at Savannah River Site.

DRAINAGE AREA.--34.9 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1974 to September 1982, February 1987 to current year.

GAGE.--Data collection platform. Elevation of gage is 145 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Savannah River Site operations.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	28	30	50	44	34	55	27	20	14	21	12
2	35	28	29	51	46	32	51	25	18	14	19	11
3	33	29	29	51	50	30	47	23	17	14	19	11
4	72	30	28	47	47	28	45	22	16	13	21	21
5	81	27	28	45	44	26	42	21	16	29	22	46
6	31	26	29	44	42	31	42	20	15	25	22	44
7	30	35	54	47	40	44	42	19	14	22	21	40
8	28	44	51	45	38	47	39	20	15	15	19	37
9	27	38	55	40	38	39	35	19	17	9.6	18	34
10	25	36	54	38	36	34	31	18	16	9.0	17	33
11	25	43	50	36	36	32	29	17	16	8.3	17	36
12	25	47	47	40	36	27	28	16	16	8.6	18	33
13	24	44	45	37	31	26	27	14	19	6.7	20	30
14	25	42	44	36	30	26	26	13	18	6.6	28	26
15	29	38	43	35	30	27	25	12	17	8.1	25	23
16	27	36	43	34	29	31	28	12	16	9.7	24	22
17	25	34	41	34	27	44	24	12	15	9.6	21	23
18	24	33	40	35	26	51	22	11	15	11	20	21
19	23	32	62	40	26	53	21	11	14	10	18	18
20	22	32	60	37	28	50	24	11	13	9.7	16	17
21	20	32	57	36	29	44	27	10	13	9.7	15	16
22	18	30	54	35	29	40	26	9.6	12	9.6	14	17
23	17	29	51	34	29	37	25	9.2	12	9.1	15	16
24	17	30	48	36	28	34	24	11	11	8.8	19	16
25	17	32	45	35	27	32	21	20	11	8.5	18	15
26	17	30	42	34	26	31	20	19	9.8	8.2	17	14
27	19	30	39	49	25	34	20	22	12	7.8	16	13
28	32	30	37	48	33	57	19	29	16	7.6	15	13
29	29	31	35	46	37	55	18	28	15	7.6	14	13
30	27	31	34	45	---	52	28	26	14	7.1	13	16
31	27	---	36	46	---	52	---	23	---	13	13	---
TOTAL	888	1007	1340	1266	987	1180	911	549.8	448.8	349.9	575	687
MEAN	28.6	33.6	43.2	40.8	34.0	38.1	30.4	17.7	15.0	11.3	18.5	22.9
MAX	81	47	62	51	50	57	55	29	20	29	28	46
MIN	17	26	28	34	25	26	18	9.2	9.8	6.6	13	11

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1996, BY WATER YEAR (WY)

	MEAN	29.3	30.3	34.6	46.7	46.9	50.3	37.6	35.1	33.0	29.7	39.6	32.8
MAX	83.7	69.0	59.5	95.7	77.9	92.8	81.9	69.6	62.0	62.6	135	109	
(WY)	1991	1993	1990	1993	1991	1980	1980	1991	1992	1989	1991	1991	
MIN	1.59	2.54	5.81	9.79	7.30	9.41	12.4	1.05	10.8	7.55	7.22	3.41	
(WY)	1989	1982	1975	1995	1995	1995	1976	1987	1987	1977	1976	1982	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1974 - 1996

ANNUAL TOTAL	8652.6	10189.5	
ANNUAL MEAN	23.7	27.8	
HIGHEST ANNUAL MEAN			37.7
LOWEST ANNUAL MEAN			65.2
HIGHEST DAILY MEAN	84	Aug 26	17.1
LOWEST DAILY MEAN	6.1	Feb 22	1995
ANNUAL SEVEN-DAY MINIMUM	6.6	Mar 6	220
INSTANTANEOUS PEAK FLOW			Aug 28 1991
INSTANTANEOUS PEAK STAGE			Nov 29 1981
10 PERCENT EXCEEDS	45		Apr 27 1987
50 PERCENT EXCEEDS	20		Aug 24 1991
90 PERCENT EXCEEDS	7.5		Aug 24 1991



## SAVANNAH RIVER BASIN

02197400 LOWER THREE RUNS NEAR SNELLING, SC

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.

DRAINAGE AREA.--59.3 mi<sup>2</sup>.

PERIOD OF RECORD.--March 1974 to September 1996 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 117 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	53	53	101	83	73	121	68	43	27	64	33
2	53	51	52	95	83	68	103	56	40	26	150	32
3	50	53	52	85	124	63	90	52	38	26	67	31
4	57	57	51	79	90	60	85	49	36	26	68	38
5	108	50	51	73	80	58	82	47	35	101	74	137
6	79	47	51	71	76	78	83	45	34	278	61	80
7	51	69	123	80	75	125	91	43	32	66	51	66
8	48	121	108	83	73	115	83	43	32	52	46	61
9	45	72	97	72	72	82	77	43	40	42	42	57
10	44	61	104	69	70	72	70	41	36	35	44	54
11	43	66	81	66	68	68	67	39	35	32	42	68
12	42	90	74	72	68	63	65	37	34	31	59	60
13	42	73	71	70	65	59	63	36	51	30	72	54
14	46	68	69	66	63	58	62	34	42	28	198	49
15	60	64	69	64	61	59	60	32	41	32	71	45
16	47	59	68	63	61	82	61	32	43	33	57	43
17	44	58	66	62	60	124	58	31	36	32	49	47
18	42	56	64	67	59	147	55	30	35	37	46	44
19	40	55	149	81	57	104	54	29	33	33	43	39
20	38	55	147	73	69	94	55	28	32	30	40	36
21	38	55	93	67	68	86	60	27	30	35	37	35
22	35	54	84	65	63	79	57	26	29	32	35	54
23	34	52	80	63	62	74	54	25	27	31	36	39
24	34	53	76	71	61	72	54	25	26	28	46	36
25	34	63	72	76	58	69	51	80	25	34	41	34
26	34	57	71	66	56	68	48	52	24	43	39	32
27	35	54	68	123	56	77	49	65	23	30	37	31
28	98	54	66	116	84	180	48	77	30	30	36	30
29	61	56	64	83	110	140	46	68	29	30	36	32
30	49	55	62	79	---	106	83	55	28	26	34	47
31	48	---	63	83	---	102	---	49	---	26	33	---
TOTAL	1535	1831	2399	2384	2075	2705	2035	1364	1019	1342	1754	1444
MEAN	49.5	61.0	77.4	76.9	71.6	87.3	67.8	44.0	34.0	43.3	56.6	48.1
MAX	108	121	149	123	124	180	121	80	51	278	198	137
MIN	34	47	51	62	56	58	46	25	23	26	33	30
CFSM	.84	1.03	1.31	1.30	1.21	1.47	1.14	.74	.57	.73	.95	.81
IN.	.96	1.15	1.50	1.50	1.30	1.70	1.28	.86	.64	.84	1.10	.91

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1996, BY WATER YEAR (WY)

	MEAN	65.3	70.6	82.0	108	113	119	89.4	75.7	67.6	60.7	81.3	69.6
MAX	202	122	142	186	185	247	198	165	122	154	290	204	
(WY)	1991	1991	1990	1978	1991	1980	1980	1984	1992	1975	1991	1991	
MIN	20.4	23.7	47.2	54.0	64.2	44.4	30.3	23.7	23.7	20.1	23.6	17.8	
(WY)	1989	1982	1985	1985	1988	1985	1985	1985	1986	1981	1983	1981	

## SUMMARY STATISTICS

## FOR 1995 CALENDAR YEAR

## FOR 1996 WATER YEAR

## WATER YEARS 1974 - 1996

ANNUAL TOTAL	22180	21887	
ANNUAL MEAN	60.8	59.8	84.6
HIGHEST ANNUAL MEAN			145
LOWEST ANNUAL MEAN			57.0
HIGHEST DAILY MEAN	387	Aug 26	743
LOWEST DAILY MEAN	25	May 28	13
ANNUAL SEVEN-DAY MINIMUM	27	May 25	15
INSTANTANEOUS PEAK FLOW			913
INSTANTANEOUS PEAK STAGE			4.53
ANNUAL RUNOFF (CFSM)	1.02	1.01	1.43
ANNUAL RUNOFF (INCHES)	13.91	13.73	19.38
10 PERCENT EXCEEDS	89	90	148
50 PERCENT EXCEEDS	53	56	72
90 PERCENT EXCEEDS	35	32	30

## 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 from U.S. Highway 301 bridge, 2.0 mi downstream from Rocky Creek, 9.0 mi east of Millhaven, and at mile 118.7.

DRAINAGE AREA.--8,650 mi<sup>2</sup>, approximately.

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

GAGE.--Data collection platform. Datum of gage is 52.42 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, Nov. 4 - 8, June 17, 18, Sept. 7 - 9, which are poor. Flow regulated by Thurmond Lake (see 02194500).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in October 1929 reached a stage of 30.8 ft, from information by Corps of Engineers, discharge, 220,000 ft<sup>3</sup>/s, from rating curve extended above 141,000 ft<sup>3</sup>/s.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9470	7820	23400	10000	16700	18300	26500	10300	13700	8080	7660	7270
2	8560	8550	23200	9150	17900	18500	23500	13700	12800	7400	8790	5960
3	7210	9200	22900	9550	19500	18700	20500	15800	10000	7850	8260	5430
4	7020	9400	21800	11200	21400	18200	18900	16700	8010	7440	7630	6370
5	9720	9800	19000	11700	23300	15800	18200	15200	8940	6710	6640	7570
6	10500	9750	17300	11800	24400	13700	18000	12400	9790	7490	6440	8560
7	10800	9900	17300	11600	25400	13400	17900	12600	9590	8040	7380	9010
8	10200	10600	17900	9490	27600	14600	17000	14400	8790	7730	7930	8800
9	8260	11800	18600	8030	30600	16300	14700	12900	9150	6930	8330	7100
10	6540	13200	19500	11000	32100	18000	15000	9110	8550	7150	8130	7780
11	6110	14600	19900	11500	32600	20500	15900	7350	6920	6630	8070	11400
12	6810	15600	19000	9800	32600	24400	16500	6550	7580	6550	7390	11800
13	6980	16300	17900	8690	32600	27800	17000	6480	8880	6670	6780	9530
14	8090	17100	17500	8180	32500	29400	17300	6180	9890	6490	7290	8280
15	8480	17900	17500	8420	32600	30000	16600	6170	11300	6300	7810	7360
16	7860	18900	17600	8210	32800	30500	13700	6640	12600	7210	7660	6760
17	7350	20100	17700	6940	32700	31600	12000	5650	11900	7030	7120	6380
18	8150	21600	16800	7570	32000	32800	11200	5590	9500	6430	6560	6400
19	9870	23500	14500	7100	30700	32300	10700	8020	11000	6680	5780	7040
20	12100	25300	13700	6390	29100	30800	9890	8930	12300	5980	5680	7170
21	14000	26700	14200	8070	27400	29400	8760	8760	12800	7370	7310	7040
22	15200	27300	14700	9440	25800	28600	7710	8660	13500	7110	8220	6630
23	15800	27400	14000	8620	24500	28500	7690	8060	13900	5720	8300	6450
24	16100	27100	12200	7960	23700	29300	8490	7220	12300	5560	8200	6030
25	16400	26200	10500	8190	23300	30500	8680	8120	9760	5940	7660	6730
26	16700	25200	9380	8130	22800	31200	8220	8480	9870	6120	6880	7610
27	16700	24400	9590	9290	20900	31700	7340	7740	10300	6560	6290	7480
28	16400	23900	10600	10200	19100	32500	6940	6990	9660	5850	7410	7550
29	15000	23700	10900	11500	18500	32400	6810	8190	9120	5560	8270	7410
30	12200	23600	10800	13800	---	30700	7390	11800	8910	5360	8130	6630
31	9510	---	10900	15300	---	28500	---	13600	---	7730	7930	---
TOTAL	334090	546420	500770	296820	765100	788900	409020	298290	311310	209670	231930	225530
MEAN	10780	18210	16150	9575	26380	25450	13630	9622	10380	6764	7482	7518
MAX	16700	27400	23400	15300	32800	32800	26500	16700	13900	8080	8790	11800
MIN	6110	7820	9380	6390	16700	13400	6810	5590	6920	5360	5680	5430
CFSM	1.25	2.11	1.87	1.11	3.05	2.94	1.58	1.11	1.20	.78	.86	.87
IN.	1.44	2.35	2.15	1.28	3.29	3.39	1.76	1.28	1.34	.90	1.00	.97

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

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

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1940 - 1996
ANNUAL TOTAL	4660110	4917850	
ANNUAL MEAN	12770	13440	10510
HIGHEST ANNUAL MEAN			18320
LOWEST ANNUAL MEAN			5790
HIGHEST DAILY MEAN	33800	Mar 2	32800
LOWEST DAILY MEAN	5410	May 29	5360
ANNUAL SEVEN-DAY MINIMUM	5650	May 26	5850
INSTANTANEOUS PEAK FLOW			33000
INSTANTANEOUS PEAK STAGE			17.70
ANNUAL RUNOFF (CFSM)	1.48		* Feb 16
ANNUAL RUNOFF (INCHES)	20.04		* Feb 16
10 PERCENT EXCEEDS	25000		26800
50 PERCENT EXCEEDS	9970		9890
90 PERCENT EXCEEDS	6130		6630

\* Also occurred on Mar. 18.

SAVANNAH RIVER BASIN  
02198500 SAVANNAH RIVER NEAR CLYO, GA

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.

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

REVISED RECORDS.--WSP 1112: 1940.

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

REMARKS.--Records good except for estimated daily discharges, Oct. 1, 2, 4 - 7, May 22, 23, July 28, 29, Aug. 8, 9, which are poor. Flow regulated by Thurmond Lake (sta 02194500), and by other powerplants above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12700	15300	24800	11800	12700	20900	34700	9600	11400	10100	8140	8990
2	12100	13100	24200	11700	13500	19700	33100	10800	12200	9520	8870	8600
3	11800	11300	23800	11100	14400	18700	31100	12000	12500	8790	9390	7530
4	10700	11000	23500	10800	15200	18100	28600	13000	12400	8730	9560	6800
5	9600	11000	23300	11000	16000	17700	25900	13900	11000	8720	9170	7190
6	10500	11000	23000	11500	17000	17600	23300	14600	10100	8510	8460	8090
7	10900	10700	22500	12000	18600	17500	21400	15000	10400	8650	8070	9000
8	11300	11000	21400	12200	20400	16900	20000	14900	10600	9150	8470	9620
9	11400	11500	20000	11900	22400	16200	19100	14600	10300	9390	9030	9790
10	10600	12100	19100	10700	24300	15700	18400	14500	10000	9030	9430	8920
11	8990	12700	18400	10800	27000	15500	17600	13900	9800	8880	9580	8490
12	7930	13300	18200	11500	30100	15800	16800	11600	8710	8490	9540	10100
13	8170	13900	18400	11500	32000	16300	16300	9250	8540	8110	9210	11000
14	8480	14500	18700	10800	32800	17800	16100	8250	9420	8050	8650	10900
15	9260	15000	18800	10000	32900	22300	16200	7770	10200	7910	8810	9910
16	9810	15500	18700	9660	32900	27800	16300	7570	10900	7750	9340	8810
17	9670	16000	18300	9600	32800	30800	16300	7760	11600	8130	9390	7960
18	9170	16500	18000	8840	32700	32700	16100	7280	12000	8280	8990	7440
19	9330	17200	17700	8730	32700	34800	15200	6980	11600	7830	8380	7340
20	10200	18200	17500	8580	32400	36500	13900	8230	11300	7800	7660	7620
21	11200	19200	17100	7970	31700	36600	12700	9420	11700	7490	7400	7890
22	12100	20700	16500	8620	30500	35300	11400	9620	12100	8120	8260	7880
23	12800	23000	15900	9660	29000	33500	10100	9550	12500	8330	9180	7550
24	13400	25400	15500	9870	27300	32100	9390	9180	12800	7430	9490	7310
25	14100	27000	15200	9390	25600	31200	9540	8510	13000	6970	9430	7000
26	14600	27700	14600	9270	24100	30900	9790	8680	12600	7100	9000	7300
27	15000	27800	13400	9250	23100	31400	9720	9140	11800	7190	8310	7980
28	15500	27300	12200	9830	22500	32800	9190	8920	11300	7700	7680	8150
29	15800	26500	11800	10600	21900	34000	8660	8260	10900	7300	8160	8160
30	16000	25600	11800	11200	---	34900	9020	8710	10400	6960	8920	8110
31	16000	---	11900	11900	---	35400	---	10200	---	6760	9140	---
TOTAL	359110	521000	564200	322270	728500	797400	515910	321680	334070	253170	273110	251430
MEAN	11580	17370	18200	10400	25120	25720	17200	10380	11140	8167	8810	8381
MAX	16000	27800	24800	12200	32900	36600	34700	15000	13000	10100	9580	11000
MIN	7930	10700	11800	7970	12700	15500	8660	6980	8540	6760	7400	6800
CFSM	1.18	1.76	1.85	1.06	2.55	2.61	1.75	1.05	1.13	.83	.89	.85
IN.	1.36	1.97	2.13	1.22	2.75	3.01	1.95	1.21	1.26	.96	1.03	.95

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

	MEAN	83660	26510	39150	43930	37320	34780	55680	33890	27770	21260	32850	23520
MAX	9324	8874	11430	14350	15960	18500	17550	11690	9623	8864	9132	8238	
(WY)	1930	1948	1949	1993	1948	1944	1964	1964	1973	1941	1940	1964	
MIN	2772	3233	5122	5853	6722	7043	6664	4873	4825	4635	4793	3098	
(WY)	1932	1932	1940	1956	1989	1988	1986	1941	1988	1952	1951	1931	

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1930 - 1996
ANNUAL TOTAL	5293960	5241850	
ANNUAL MEAN	14500	14320	11940
HIGHEST ANNUAL MEAN			20900
LOWEST ANNUAL MEAN			6399
HIGHEST DAILY MEAN	40600	36600	203000
LOWEST DAILY MEAN	6460	6760	1950
ANNUAL SEVEN-DAY MINIMUM	6660	7140	2470
INSTANTANEOUS PEAK FLOW		36900	* 270000
INSTANTANEOUS PEAK STAGE		16.79	* 29.70
ANNUAL RUNOFF (CFSM)	1.47	1.45	1.21
ANNUAL RUNOFF (INCHES)	19.99	19.80	16.47
10 PERCENT EXCEEDS	27400	27100	21600
50 PERCENT EXCEEDS	12000	11400	8960
90 PERCENT EXCEEDS	7150	7980	5760

\* Present datum (from information by Corps of Engineers) and from rating curve extended above 120,000 ft<sup>3</sup>/s.

## SAVANNAH RIVER BASIN

02198760 SAVANNAH RIVER ABOVE HARDEEVILLE, SC

LOCATION.--Lat 32°20'34'', long 81°07'53'', Jasper County, Hydrologic Unit Code 03060109, on canal near Bride Point at Jasper-Beaufort Water Authority pump house, 14 mi upstream from Abercorn Creek, and 7 mi northwest of Hardeeville, SC.

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

GAGE.--Data collection platform. Records prior to October 1, 1987 are available through the U.S. Geological Survey, Georgia District. Datum of gage is sea level (levels furnished by the US Army Corps of Engineers). Prior to May 30, 1990, at a site 2.0 mi downstream at same datum.

REMARKS.--Gage height affected by tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.88 ft, Apr. 9, 1993; minimum gage height, 2.34 ft, July 22, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.33 ft, Mar. 21, 22; minimum gage height, 4.31 ft, May 19.

## GAGE HEIGHT (FEET SEA LEVEL) WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	9.48	9.10	9.32	10.23	10.03	10.14	---	---	---	8.95	8.45	8.71
2	9.32	8.90	9.16	10.15	9.83	9.99	---	---	---	9.03	8.47	8.76
3	9.14	8.66	8.94	9.83	9.07	9.45	12.19	12.13	12.15	8.85	8.27	8.54
4	8.92	8.30	8.67	9.07	8.35	8.71	12.13	12.07	12.09	8.47	7.95	8.19
5	8.50	7.46	8.03	8.69	8.05	8.38	12.07	12.03	12.05	8.51	7.85	8.17
6	8.10	7.20	7.64	8.59	7.91	8.25	12.05	12.01	12.02	8.67	7.95	8.32
7	8.34	7.44	7.89	8.49	7.79	8.13	12.01	11.95	11.99	8.91	8.27	8.58
8	8.58	7.74	8.17	8.25	7.65	7.94	11.97	11.89	11.92	8.66	8.33	8.46
9	8.72	8.02	8.41	8.49	7.73	8.12	11.89	11.77	11.83	8.83	8.43	8.60
10	8.72	8.08	8.45	8.67	8.03	8.37	11.77	11.57	11.67	8.65	8.03	8.36
11	8.52	7.20	7.92	8.91	8.30	8.60	11.57	11.35	11.46	8.43	7.87	8.16
12	7.66	6.20	6.97	8.89	8.47	8.65	11.35	11.19	11.28	8.51	8.02	8.25
13	7.24	5.98	6.65	9.21	8.81	8.99	11.21	11.09	11.15	8.61	8.09	8.33
14	7.14	5.96	6.59	9.45	9.05	9.24	11.13	11.05	11.10	8.57	7.97	8.31
15	7.38	6.30	6.81	9.51	9.23	9.35	11.13	11.05	11.10	8.31	7.53	7.97
16	7.57	6.70	7.11	9.77	9.39	9.58	11.17	11.09	11.13	8.05	7.27	7.64
17	7.71	6.87	7.26	9.99	9.63	9.81	11.21	11.11	11.17	8.09	7.17	7.62
18	7.49	6.69	7.14	10.21	9.85	10.05	11.21	11.13	11.17	8.01	6.97	7.46
19	7.47	6.49	7.00	10.39	10.09	10.25	11.19	11.09	11.13	7.81	6.61	7.13
20	7.87	6.67	7.30	10.61	10.29	10.46	11.11	10.99	11.05	7.67	6.45	7.00
21	8.11	7.15	7.59	10.83	10.53	10.68	11.09	10.95	11.01	7.55	6.23	6.93
22	8.57	7.57	8.09	11.05	10.75	10.89	11.03	10.89	10.96	7.53	6.11	6.89
23	8.91	8.09	8.52	11.39	11.05	11.19	10.95	10.75	10.85	7.87	6.69	7.32
24	9.11	8.53	8.84	11.77	11.39	11.57	10.81	10.55	10.68	8.09	7.25	7.66
25	9.31	8.79	9.07	12.09	11.77	11.94	10.63	10.33	10.49	7.79	6.99	7.40
26	9.51	9.01	9.29	12.32	12.09	12.22	10.43	10.15	10.30	7.75	6.89	7.33
27	9.73	9.27	9.52	12.43	12.32	12.39	10.27	9.81	10.07	7.61	6.71	7.14
28	9.87	9.57	9.72	12.47	12.43	12.45	9.95	9.27	9.69	7.41	6.69	7.07
29	9.97	9.61	9.78	12.47	12.41	12.44	9.43	8.83	9.18	7.85	7.03	7.51
30	10.11	9.77	9.95	12.41	12.35	12.39	9.13	8.65	8.88	8.10	7.47	7.85
31	10.25	9.93	10.11	---	---	---	8.99	8.57	8.75	8.43	7.83	8.18
MONTH	10.25	5.96	8.26	12.47	7.65	10.02	12.19	8.57	10.98	9.03	6.11	7.87







## LAKES AND RESERVOIRS IN SOUTH CAROLINA

## PEE DEE RIVER BASIN

02130908 LAKE ROBINSON.--34°23'40'', long 80°09'00'', Darlington County, Hydrologic Unit 03040201, 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 and 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 above 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 above 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°44'10'', Kershaw County, Hydrologic Unit 03050104, at Wateree Reservoir dam, 0.8 mi upstream from Grannies 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 above 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 1995 TO SEPTEMBER 1996

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, 1995	220.6	1310		97.1	8881		97.2	1240		96.7	5738	
Oct. 31, 1995	221.0	1349	14.6	97.1	8881	0	97.8	1320	29.9	96.3	5520	-81.4
Nov. 30, 1995	220.9	1339	-3.9	97.3	8981	38.6	97.7	1307	-5.0	95.7	5199	-123.8
Dec. 31, 1995	220.8	1329	-3.7	97.2	8931	-18.7	96.8	1188	-44.4	94.5	4574	-233.3
Cal. Yr. 1995			-1.9			0			2.4			-6.5
Jan. 31, 1996	221.4	1389	22.4	98.8	9749	305.4	99.4	1543	132.5	97.6	6235	620.1
Feb. 28, 1996	220.9	1339	-20.0	97.0	8832	-366.0	97.9	1334	-83.4	97.2	6012	-89.0
Mar. 31, 1996	221.2	1369	11.2	96.8	8733	-37.0	96.3	1124	-78.4	96.8	5792	-82.1
Apr. 30, 1996	221.0	1349	-7.7	97.5	9082	134.6	99.4	1543	161.7	97.5	6179	149.3
May. 31, 1996	220.7	1320	-10.8	97.0	8832	-93.3	98.0	1347	-73.2	97.6	6235	20.9
June 30, 1996	220.3	1280	-15.4	96.9	8782	-19.3	95.7	1049	-115.0	97.0	5902	-128.5
July 31, 1996	220.3	1280	0	96.9	8782	0	96.4	1137	32.9	97.4	6124	82.9
Aug. 31, 1996	220.8	1329	18.3	97.0	8832	18.7	97.0	1214	28.7	97.0	5902	-82.9
Sept. 30, 1996	220.9	1339	3.9	97.0	8832	0	97.0	1214	0	97.3	6068	64.0
WTR YR 1996			0.9			-1.5			-0.8			10.4

## 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 the current year and the period of record 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 1996 in South Atlantic Slope basins.

Station name and number	Location and drainage area	Period of record	Water year 1996 maximum			Period of record maximum			
			Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)	Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)	
Pee Dee River Basin									
Midway Swash at Myrtle Beach, SC (02110740)	Lat 33°39'44'', long 78°55'25'', Horry County, on Hwy 17 at Myrtle Beach AFB, 1.0 mi from Atlantic Ocean. Drainage area is 0.80 mi <sup>2</sup> .	1987-96	09-12-96	7.08	360	04-15-87	7.14	368	
Little Bear Creek near Chesterfield, SC (02130400)	Lat 34°40'09'', long 80°09'11'', Chesterfield County, on State Highway 145, 5.5 mi southwest of Chesterfield. Drainage area is 4.10 mi <sup>2</sup> .	1974-96	03-07-96	5.95	175	10-08-76	8.12	(+)	
Herndon Branch near Bennetts- ville, SC (02130550)	Lat 34°38'27'', long 79°44'46'', Marlboro County, on State Highway 9, 2.8 mi upstream from Naked Creek, and 4.5 mi northwest of Bennettsville. Drainage area is 3.45 mi <sup>2</sup> .	1975-96	10-14-95	3.80	(+)	02-18-96	4.23	(+)	
Back Swamp near Darlington, SC (02130800)	Lat 34°18'11'', long 79°46'07'', Darlington County, on State Highway 35, 5.7 mi east of Darlington. Drainage area is 6.22 mi <sup>2</sup> .	1975-96	03-09-96	6.09	95.3	12-24-94	12.21	800	
Tributary to Swift Creek at Darlington, SC (02130970)	Lat 34°18'11'', long 79°51'23'', Darlington County, east of 6th Street at a crossing of a trib- utary to Swift Creek, 1.1 mi east of City Hall in Darlington and 0.1 mi upstream of the mouth at Swift Creek. Drainage area is 0.51 mi <sup>2</sup> .	1986-96	06-11-96	4.81	112	06-04-87	5.73	155	
Jeffries Creek above Florence, SC (02131110)	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. Drainage area is 46.6 mi <sup>2</sup> .	1968-96	06-22-96	7.15	931	12-24-94	10.72	3,220	
Gully Branch at Cherokee Road at Florence, SC (02131130)	Lat 34°11'00'', long 79°46'12'', Florence County, 1.1 mi south of the City/County Complex, and 0.8 mi upstream of the mouth at Jeffries Creek. Drainage area is 1.92 mi <sup>2</sup> .	1984-96	09-11-96	6.37	765	09-11-96	6.37	765	
Lynches River near Pageland, SC (02131250)	Lat 34°45'00", long 80°30'31", Chesterfield-Lancaster County, on State Highway 9. Drainage area is 73.2 mi <sup>2</sup> .	1991-92* 1995-96	10-04-95	16.20	(+)	10-04-96	16.20	(+)	
Neds Creek near Kershaw, SC (02131460)	Lat 34°32'39'', long 80°31'39'', Kershaw County, on State Highway 413, 1.0 mi upstream from Little Lynches River and 3.2 mi east of Kershaw. Drainage area is 3.98 mi <sup>2</sup> .	1975-96	11-12-95	3.59	(+)	06-10-96	6.98	238	

See footnotes at end of table.

## DISCHARGE AT PARTIAL-RECORD STATIONS--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1996 in South Atlantic Slope basins.

Station name and number	Location and drainage area	Period of record	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)	Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)
Lynches River near Bishop- ville, SC (02131500)	Lat 34°15'00'', long 80°12'50'', Lee County, on U.S. Highway 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. Drainage area is 675.0 mi <sup>2</sup> .	1942-71♦ 1972-96	B	A	(+)	09-19-45	22.35	29,400
Carter Creek at Effingham, SC (02131990)	Lat 34°03'51'', long 79°46'03'', Florence County, on U.S. Highway 301, 0.8 mi northwest of Effingham, and 0.9 mi upstream from Lynches River. Drainage area is 8.28 mi <sup>2</sup> .	1974-96	04-05-96	5.12	282	12-24-94	9.61	1,440
Two Mile Branch near Lake City, SC (02132100)	Lat 33°53'38'', long 79°45'38'', Florence County, on U.S. Highway 378 By-Pass and 1.4 mi north of Lake City. Drainage area is 19.0 mi <sup>2</sup> .	1976-96	03-15-96	5.82	131	12-24-94	10.19	2,400
Little Pee Dee River near Dillon, SC (02132500)	Lat 34°24'17'', long 79°20'25'', Dillon County, on State Highway 9, 1.9 mi southeast of Dillon 3.9 mi upstream from Maple Swamp. Drainage area is 524.0 mi <sup>2</sup> .	1939-71♦ 1972-96	09-13-96	10.05	2,740	09-20-45	14.64	9,810
Brunson Swamp near Dog Bluff, SC (02135070)	Lat 33°56'33'', long 79°13'15'', Horry County, on road 24, 12.0 mi west of Conway and 0.7 mi southeast of Dog Bluff. Drainage area is 11.28 mi <sup>2</sup> .	1991-96	06-19-96	6.72	250	02-18-96	9.64	1,420
Davis Branch near Sumter, SC (021355013)	Lat 33°49'53'', long 80°12'38'', Sumter County, off road 341, 9.5 mi southeast of Sumter and 15.8 mi northeast of Pinewood. Drainage area is 2.50 mi <sup>2</sup> .	1991-96	03-07-96	4.58	32.2	12-24-94	6.00	40.2
Turkey Creek at Sumter, SC (02135518)	Lat 33°55'13'', long 80°19'43'', Sumter County, 0.7 mi east of City Hall, 4.0 mi above mouth at Pocatigo River, on Hwy 76 crossing of Turkey Creek, Drainage area is 2.20 mi <sup>2</sup> .	1985-96	03-07-96	8.83	388	07-29-94	11.93	(+)
Chaney Swamp near Greeley- ville, SC (02136010)	Lat 33°35'12'', long 79°56'48'', Williamsburg County, on U.S. High- way 52, 2.5 mi upstream from Rocky Ford Swamp, and 2.5 mi east of Greeleyville. Drainage area is 17.0 mi <sup>2</sup> .	1974-96	11-12-95	5.56	116	08-24-94	7.16	(+)
Poplar Hill Branch near Hemingway, SC (02136110)	Lat 33°43'08'', long 79°27'44'', Williamsburg County, on road 121, 2.5 mi southwest of Heming- way and 3.0 mi southeast of Stuckey. Drainage area is 4.72 mi <sup>2</sup> .	1991-96	11-01-95	4.51	(+)	12-24-94	8.69	134
Santee River Basin								
Crowders Creek near Clover, SC (02145642)	Lat 35°08'14'', long 81°08'09'', York County, on road 1104, 1.7 mi downstream from mouth of Rocky Branch and 5.6 mi northeast of Clover. Drainage area is 89.0 mi <sup>2</sup> .	1991-92♦ 1993-96	02-02-96	8.36	1,720	08-27-96	16.69	(+)

See footnotes at end of table.

## DISCHARGE AT PARTIAL-RECORD STATIONS--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1996 in South Atlantic Slope basins.

Station name and number	Location and drainage area	Period of record	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)	Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)
Camp Run Creek near Clover, SC (021456499)	Lat 35°06'27'', long 81°08'23'', York County, on road 649, 4.5 mi east of Clqver. Drainage area is 3.14 mi <sup>2</sup> .	1990-96	04-30-96	6.43	(+)	08-27-96	6.78	(+)
Tributary to Little Dutch- man Creek near Rock Hill, SC (02145940)	Lat 34°58'34'', long 81°01'02'', York County, 0.2 mi upstream of mouth at Little Dutchman Creek, at Celanese Road (State Hwy 161) crossing of Little Dutchman Creek. Drainage area is 3.50 mi <sup>2</sup> .	1985-96	02-02-96	10.27	949	08-19-86	11.57	1,120
Steele Creek near Fort Mill, SC (021467801)	Lat 35°02'42'', long 80°56'28'', York County, on State Highway 21 By-pass, 2.8 mi north of Fort Mill. Drainage area is 26.4 mi <sup>2</sup> .	1991-92◆ 1994-96	02-02-96	12.03	1,210	09-01-94	14.18	2,160
Dunn Creek near Lands- ford, SC (021471900)	Lat 34°46'00'', long 80°53'23'', Chester County, on County road 330, 1.8 mi southeast of Lands- ford. Drainage area is 2.35 mi <sup>2</sup> .	1990-96	02-03-96	7.53	154	03-04-91	8.75	232
Camp Creek near Heath Springs, SC (021474070)	Lat 34°37'16'', long 80°43'45'', Lancaster County, on road 619, 3.5 mi northwest of Heath Springs. Drainage area is 2.84 mi <sup>2</sup> .	1990-96	B	A	(+)	05-19-91	11.46	446
Scabber Branch near Great Falls, SC (02147600)	Lat 34°30'17'', long 81°00'22'', Fairfield County, on State High- way 200, 1.1 mi upstream of Big Wateree Creek and 7.0 mi southwest of Great Falls. Drainage area is 4.55 mi <sup>2</sup> .	1975-96	02-03-96	4.39	441	10-26-77	10.07	2,670
Horse Creek near Winnsboro, SC (021476511)	Lat 34°24'07'', long 80°58'59'', Fairfield County, on State High- way 41, 8.6 mi east of Winnsboro and 6.8 mi south of Ridgway. Drainage area is 4.73 mi <sup>2</sup> .	1991-96	B	A	(+)	08-02-91	10.85	458
Swift Creek near Camden, SC (02148090)	Lat 34°11'49'', long 80°28'58'', Kershaw County, on County Road 786, 7.9 mi southeast of Camden. Drainage area is 4.90 mi <sup>2</sup> .	1991-96	01-19-96	3.45	38.5	10-24-90	6.94	93.2
Buck Horn Creek near York, SC (02153750)	Lat 35°02'09'', long 81°18'44'', York County, on State Highway 5, 4.5 mi upstream from Bullocks Creek, and 4.0 mi northwest of York. Drainage area is 5.23 mi <sup>2</sup> .	1975-96	02-02-96	3.11	(+)	10-12-90	7.40	362
Bullock Creek near Sharon SC, (02153800)	Lat 34°48'45'', long 81°26'15'', York County, on county road 211, 2.5 mi northwest of Sharon, 3.0 mi southeast of Hickory Grove. Drainage area is 84.33 mi <sup>2</sup> .	1991-96	03-07-96	13.39	1,780	10-12-90	17.36	(+)
Bells Creek near Sharon, SC (02153840)	Lat 34°53'09'', long 81°25'51'', York County, on County Road 73, 7.2 mi southwest of Sharon, 12.0 mi west of McConnells, 4.5 mi upstream from confluence of Bullocks Creek and Broad River. Drainage area is 5.96 mi <sup>2</sup> .	1991-96	02-03-96	5.50	468	10-12-90	8.47	960
Turkey Creek near Lowrys SC (021563931)	Lat 34°48'47'', long 81°22'10'', Chester County, on county road 97, 11.5 mi northwest of Chester, 7.5 mi west of Lowrys. Drainage area is 81.51 mi <sup>2</sup> .	1991-96	03-07-96	15.20	(+)	10-13-90	17.37	(+)

See footnotes at end of table.



## DISCHARGE AT PARTIAL-RECORD STATIONS--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1996 in South Atlantic Slope basins.

Station name and number	Location and drainage area	Period of record	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)	Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)
Rodens Creek near Chester, SC (021563973)	Lat 34°44'58'', long 81°21'33'', Chester County, on State Road 9, 11.0 mi southeast of Lockhart and 7.0 mi northwest of Chester. Drainage area is 2.22 mi <sup>2</sup> .	1990-96	B	A	(+)	06-15-92	14.36	766
Middle Tyger River at Lyman, SC (02157500)	Lat 34°56'35'', long 82°08'00'', Spartanburg County, on left bank 200 ft upstream from bridge on State Highway 292 at Lyman. Drainage area is 68.3 mi <sup>2</sup> .	1938-68* 1975-96	01-27-96	9.05	2,570	08-14-40	16.16	4,800
Tributary to Fairforest Creek at Spar- tanburg, SC (02159785)	Lat 34°57'10'', long 81°57'57'', Spartanburg County, at the S.C. Road S-42-485 crossing of a trib- utary to Fairforest Creek, 0.1 mi upstream from the mouth at Fairforest Creek. Drainage area is 0.52 mi <sup>2</sup> .	1987-96	05-29-96	3.46	145	11-10-90 06-28-94	5.19	243
Fairforest Creek near Union, SC (02160000)	Lat 34°40'45'', long 81°41'25'', Union County, on State Highway 49, 0.3 mi downstream from Buffalo Creek, 4.3 mi southwest of Union. Drainage area is 183.0 mi <sup>2</sup> .	1940-71* 1973-96	B	A	(+)	10-09-76	9.43	11,700
Brushy Creek near Green- ville, SC (02160325)	Lat 34°53'00'', long 82°18'05'', Greenville County, 0.7 mi south of Eastside High School, 0.5 mi southeast of St. Luke Church, 5.0 mi upstream from the mouth at Enoree, at the (J-180) crossing of Brushy Creek. Drainage area is 9.05 mi <sup>2</sup> .	1985-96	01-27-96	8.74	878	08-27-96	14.10	(+)
Second Creek near Pomaria, SC (02160800)	Lat 34°20'06'', long 81°30'11'', Newberry County, on U.S. Highway 176, 5.5 mi upstream of Hellers Creek, and 7.2 mi northwest of Pomaria. Drainage area is 1.87 mi <sup>2</sup> .	1977-96	03-07-96	5.06	(+)	08-26-96	8.43	1,090
Hamilton Creek near Easley, SC (02162525)	Lat 34°50'10'', long 82°33'50'', Pickens County, on State Highway 135, 4.6 mi northeast of Easley, 0.6 mi upstream of Georges Creek. Drainage area is 1.60 mi <sup>2</sup> .	1981-86* 1987-96	01-26-96	4.30	(+)	08-27-96	8.11	835
Brushy Creek at Greenville, SC (02164011)	Lat 34°49'25'', long 82°24'26'', Greenville County, on Grove Road (Road 20), 1.7 mi south of City Hall in Greenville, 3.9 mi up- stream from mouth. Drainage area is 2.82 mi <sup>2</sup> .	1983-96	09-16-96	8.64	1,580	07-19-93	9.18	1,740
Dirty Creek Tributary near Laurens, SC (02165350)	Lat 34°29'44'', long 82°05'15'', Laurens County, on State Highway 252, 2.8 mi upstream of Dirty Creek and 4.1 mi west of Laurens. Drainage area is 1.21 mi <sup>2</sup> .	1974-96	11-11-95	5.41	(+)	08-27-96	8.76	(+)

See footnotes at end of table.



## DISCHARGE AT PARTIAL-RECORD STATIONS--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1996 in South Atlantic Slope basins.

Station name and number	Location and drainage area	Period of record	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)	Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)
Sample Branch at Greenwood, SC (02166975)	Lat 34°12'56'', long 82°09'20'', Greenwood County, 1.9 mi north of the County Courthouse, 1.3 mi up- stream from the mouth at Rocky Creek, U.S. 25/178 Bypass (and SR 72) crossing of Sample Branch Creek. Drainage area is 1.16 mi <sup>2</sup> .	1985-96	11-11-95	8.02	213	10-12-90	9.80	(+)
Tributary to Crane Creek at Columbia, SC (02167020)	Lat 34°03'02'', long 81°02'05'', Richland County, on Carola Street (SR 876), 0.3 mi north of Columbia College, and 1.3 mi upstream from the mouth at Crane Creek. Drainage area is 0.28 mi <sup>2</sup> .	1985-96	07-16-96	8.01	180	08-17-92	10.57	(+)
Camping Creek Tributary near Prosperity, SC (02167750)	Lat 34°12'35'', long 81°30'08'', Newberry County, on county road 437, 0.35 mi above Camping Creek, and 1.8 mi east of Prosperity. Drainage area is 0.52 mi <sup>2</sup> .	1974-96	03-06-96	4.14	38.3	08-27-96	6.64	135
Tributary to Saluda River at Columbia, SC (02168845)	Lat 34°02'26'', long 81°08'29'', Richland County, on Bush River Road (S-32-273), at the crossing of a tributary to Saluda River, 0.7 mi upstream of the Saluda River. Drainage area is 0.45 mi <sup>2</sup> .	1985-96	03-07-96	4.62	126	09-10-87	6.95	245
Rocky Branch at Columbia, SC (02169505)	Lat 33°59'41'', long 81°01'26'', Richland County, on Pickens Street, 0.7 mi southeast of the State Capitol, 2.0 mi upstream of the mouth at the Congaree River. Drainage area is 2.41 mi <sup>2</sup> .	1984-96	07-16-96	7.75	1,220	08-12-86	8.05	1,300
Savanna Branch near Cayce, SC (02169540)	Lat 33°55'47'', long 81°07'05'', Lexington County, on State High- way 302, 0.75 mi upstream from Congaree Creek and 3.9 mi southwest of Cayce. Drainage area is 7.15 mi <sup>2</sup> .	1974-96	05-26-96	4.44	(+)	08-26-96	6.00	(+)
Pen Branch at Columbia, SC (02169568)	Lat 34°00'46'', long 80°58'56'', Richland County, on the Brentwood Street crossing of Pen Branch, 0.6 mi southeast of the inter- section of Forest Drive and Beltline Blvd, 1.3 mi upstream from the mouth at Lake Katherine. Drainage area is 2.26 mi <sup>2</sup> .	1985-96	07-16-96	8.00	1,045	07-16-96	8.00	1,045
Lake Marion Tributary near Vance, SC (02169960)	Lat 33°27'26'', long 80°26'32'', Orangeburg County, on State Highway 6, 1.4 mi upstream from Lake Marion and 2.0 mi northeast of Vance. Drainage area is 2.12 mi <sup>2</sup> .	1966-74 1975-96	01-27-96	2.99	25	10-11-91	5.44	167
Cooper River Basin								
Canton Creek near Moncks Corner, SC (021720725)	Lat 33°10'55'', long 80°10'27'', Berkeley County, on county road 787, 9.5 mi southwest of Moncks Corner and 7.0 mi southwest of Lake Moultrie. Drainage area is 4.82 mi <sup>2</sup> .	1991-96	04-05-96	5.21	(+)	01-09-93	6.66	(+)
Edisto River Basin								
Rocky Swamp near Neeses, SC (02172759)	Lat 33°30'38, long 81°11'22'', Orangeburg County, on State High- way 4, 4.4 mi southwest of junction with U.S. Hwy 321 in Neeses. Drainage area is 4.66 mi <sup>2</sup> .	1989-96	B	A	(+)	12-03-91	13.29	546

See footnotes at end of table.

## DISCHARGE AT PARTIAL-RECORD STATIONS--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1996 in South Atlantic Slope basins.

Station name and number	Location and drainage area	Period of record	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)	Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)
Ritter Branch near Perry, SC (02173250)	Lat 33°38'10'', long 81°16'04'', Aiken County, on county road 14, 0.3 mi upstream from Hollow Creek, 2.6 mi southeast of Perry. Drainage area is 2.22 mi <sup>2</sup> .	1966-74♦ 1975-96	B	A	(+)	04-26-79	3.21	(+)
Hess Branch at Orange- burg, SC (02173491)	Lat 33°30'12'', long 80°52'34'', Orangeburg County, on Moss Street, 1.36 mi northwest of City Hall, 0.66 mi upstream from the mouth at the North Fork Edisto River. Drainage area is 0.45 mi <sup>2</sup> .	1986-96	01-27-96	4.91	154	10-01-89	7.41	311
Sunnyside Canal at Orangeburg, SC (02173495)	Lat 33°29'31'', long 80°52'33'', Orangeburg County, at the River- side Street (SR 125) crossing of the Sunnyside Canal, 0.7 mi west of City Hall, 0.2 mi upstream of the mouth at North Fork Edisto River. Drainage area is 1.07 mi <sup>2</sup> .	1985-96	04-30-96	4.67	432	01-07-96	7.38	2,980
Tributary to Rosemary Creek near Williston SC (02175185)	Lat 33°19'30'', long 81°27'46'', Barnwell County, on State road 21, 5.7 mi south of Williston and 11.0 mi southwest of Blackville. Drainage area is 4.10 mi <sup>2</sup> .	1991-96	09-11-96	3.48	(+)	08-02-91	4.67	(+)
Combahee River Basin								
Savannah Creek near Ehrhardt, SC (02175450)	Lat 33°02'03'', long 81°03'11'', Colleton County, on State High- way 641, 1.2 mi upstream from Salkehatchie River, and 6.0 mi north of Miley. Drainage area is 12.4 mi <sup>2</sup> .	1964-74♦ 1975-96	09-05-96	6.15	(+)	10-09-92	9.33	1,720
Broad River Basin								
Tributary to Coosawhatchie River at Allen- dale, SC (02176380)	Lat 32°59'53'', long 81°19'01'', Allendale County, on State Road 129, crossing of a tributary to the Coosawhatchie River, 0.9 mi southwest of City Hall, 0.4 mi upstream of the mouth at Coosawhatchie. Drainage area is 2.06 mi <sup>2</sup> .	1985-96	04-30-96	5.00	89.5	10-09-92	9.18	(+)
Cowpen Branch near Varnville, SC (021765113)	Lat 32°46'46'', long 81°03'14'', Hampton County, on State Road 278, 11.0 mi northeast of Estill and 4.6 mi south of Varnville. Drainage area is 5.39 mi <sup>2</sup> .	1991-96	B	A	(+)	01-12-93	7.19	515
Elbo Creek near Grays, SC (021765155)	Lat 32°40'43'', long 81°03'00'', Jasper County, on State road 3, 13.5 mi north of Ridgeland, 1.9 mi west of Grays. Drainage area is 8.27 mi <sup>2</sup> .	1991-96	11-08-95	5.38	(+)	08-26-96	10.11	(+)
Great Swamp near Ridge- land, SC (02176875)	Lat 32°29'45'', long 81°01'07'', Jasper County, on State Highway 39, 2.5 mi northeast of Ridgeland. Drainage area is 48.8 mi <sup>2</sup> .	1977-84♦ 1987-96	B	A	(+)	08-26-96	8.62	(+)

See footnotes at end of table.

## DISCHARGE AT PARTIAL-RECORD STATIONS--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1996 in South Atlantic Slope basins.

Station name and number	Location and drainage area	Period of record	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)	Date	Gage height (ft)	Dis- charge (ft <sup>3</sup> /s)
Savannah River Basin								
Cleveland Creek near Fairplay, SC (02184100)	Lat 34°31'32'', long 82°59'29'', Oconee County, on State Highway 59, 1.0 mi northwest of Fairplay, and 2.4 mi upstream from Beaver Dam Creek. Drainage area is 5.61 mi <sup>2</sup> .	1967-74♦ 1975-96	10-05-95	5.08	(+)	01-26-78	6.50	450
Cane Creek near Walhalla, SC (02185400)	Lat 34°46'48'', long 83°06'22'', Oconee County, on State Highway 28, 2.5 mi northwest of Walhalla. Drainage area is 1.08 mi <sup>2</sup> .	1967-74♦ 1975-96	10-05-95	6.20	4.89	08-17-94	7.96	(+)
Broadway Creek near Anderson, SC (02187900)	Lat 34°30'09'', long 82°35'00'', Anderson County, on State High- way 48, 0.1 mi down stream from Cupbroad Creek and 3.8 mi east east of Anderson. Drainage area is 26.4 mi <sup>2</sup> .	1967-74 1975-96	01-27-96	9.47	1,230	08-27-96	15.81	2,720
Calabash Branch near Troy, SC (02195555)	Lat 33°59'04'', long 82°13'37'', McCormick County, on Long Cane Road (Road 24), 6.5 mi northeast of McCormick, 4.3 mi east of Troy. Drainage area is 3.24 mi <sup>2</sup> .	1990-96	02-03-96	6.89	(+)	06-27-94	8.57	(+)
Log Creek near Edge- field, SC (02195660)	Lat 33°48'03'', long 81°52'39'', Edgefield County, on State Highway 23, 3.3 mi east of Edgefield. Drainage area is 1.18 mi <sup>2</sup> .	1966-72♦ 1972-96	03-07-96	3.99	(+)	07-26-91	7.21	(+)
Cyper Creek near Sullivan Crossroads, SC (021957495)	Lat 33°54'05'', long 82°07'13'', Edgefield County, on Road 234, 1.4 mi southwest of Sullivan Crossroads. Drainage area is 1.83 mi <sup>2</sup> .	1991-96	02-02-96	4.85	102	08-17-94	5.02	(+)
Miller Creek Tributary near Baldoc, SC (02197410)	Lat 33°04'08'', long 81°24'26'', Allendale County, on State Highway 125, 0.6 mi upstream from Miller Creek, and 1.1 mi southeast of Baldoc. Drainage area is 7.51 mi <sup>2</sup> .	1977-96	B	A	(+)	10-11-92	6.19	617

+ Discharge not determined.

♦ Operated as a continuous-record gaging station.

A Stage not determined.

B Date unknown.

\* Probably caused by backwater from beaver dam.

\*\* Probably caused by backwater from debris.

U.S. GEOLOGICAL SURVEY  
DISCHARGE MEASUREMENTS AT PARTIAL-RECORD STATIONS

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to these events. Those measurements and others collected for some special reasons are called measurements at miscellaneous sites.

STATION NO.	STATION NAME	LOCATION	DRAINAGE AREA (mi <sup>2</sup> ) (Approx)	PERIOD OF RECORD (WT YR)	DATE	GAGE HEIGHT (FT)	DIS-CHARGE (ft <sup>3</sup> /S)
Santee River Basin							
02148312	Wateree River @ Union Camp nr Eastover, SC	Lat 33°53'34'', long 80°37'35'', Richland County, 3.0 mi upstream from SCE&G plant, and 4.0 mi east of Eastover.	5,590	1984-1996	11-29-95 05-10-96 07-12-96 08-29-96	91.68 88.66 85.56 95.06	5,450 3,130 1,610 8,280
02171001	Santee River @ Lake Marion Tail Race, nr Pineville, SC	Lat 33°26'58'', long 80°09'50'', Berkeley County, 300 feet below Wilson Dam, 2.8 mi upstream from Old Santee Canal, 5.4 mi upstream from Dead River, 8.0 mi west of Pineville.	14,700	1966-1996	12-01-95 02-21-96 05-16-96 08-21-96	27.15 27.00 26.81 27.37	641 688 566 781
02171520	Little River nr Pineville, SC	Lat 33°28'56'', long 80°09'43'', Clarendon County, 4.5 mi upstream from Dead River, 8.1 mi west of Pineville.		1946-1996	12-01-95 02-21-96 08-21-96	-- -- --	14 24 16
Edisto River Basin							
02174048	Edisto River @ SCE&G Plant nr Canadys, SC	Lat 33°04'00'', long 80°37'26'', Colleton County, 1.0 mi north of Canadys, and 12.0 mi north of Walterboro.	1,850	1982-1996	10-16-95 01-17-96 04-17-96 08-01-96	57.31 57.16 56.82 53.69	2,510 2,210 2,140 978

**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 Site near Aiken.

Owner: U.S. Department of Energy.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 18 in from surface to 318 ft, 8 in from 279 to 605 ft, depth 605 ft, cased to 605 ft, screened intervals 390-400, 455-465, 590-600 ft.

INSTRUMENTATION.--Data collection platform--60 minute punch interval.

DATUM.--Land-surface datum is 357 ft above sea level. Measuring point: Top of casing at land-surface datum.

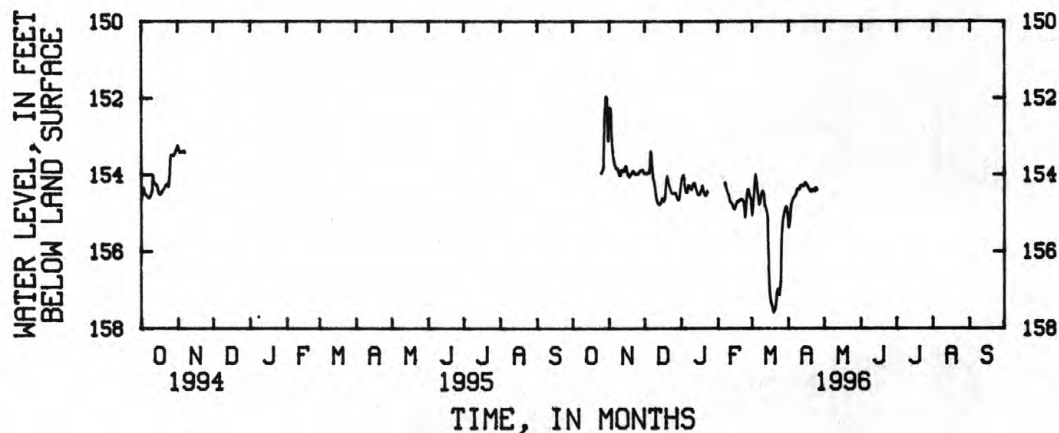
REMARKS.--Also known as SRP-4M. Electric log available in District files.

PERIOD OF RECORD.--May 1952 to November 1994, October 1995 to April 1996 (discontinued). Prior to October 1970, maximum and minimum only. Prior to 1974, published as AK-2 or LA-4.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 144.77 ft below land-surface datum, Feb. 23, 1966; lowest, 159.22 ft below land-surface datum, May 29, 1957.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	152.25	153.98	154.20	---	155.06	155.38	---	---	---	---	---
2	---	152.27	153.97	154.04	---	154.82	155.22	---	---	---	---	---
3	---	153.15	153.98	154.00	---	154.28	154.82	---	---	---	---	---
4	---	153.46	153.95	154.30	---	154.00	154.69	---	---	---	---	---
5	---	153.67	153.96	154.47	---	154.17	154.62	---	---	---	---	---
6	---	153.80	153.39	154.48	---	154.54	154.57	---	---	---	---	---
7	---	153.86	153.66	154.28	154.23	154.79	154.53	---	---	---	---	---
8	---	153.85	154.10	154.29	154.36	154.72	154.40	---	---	---	---	---
9	---	153.98	154.20	154.39	154.44	154.51	154.36	---	---	---	---	---
10	---	154.04	154.50	154.39	154.51	154.42	154.38	---	---	---	---	---
11	---	153.90	154.67	154.25	154.70	154.51	154.30	---	---	---	---	---
12	---	153.89	154.75	154.21	154.74	154.83	154.26	---	---	---	---	---
13	---	153.93	154.79	154.31	154.77	154.91	154.30	---	---	---	---	---
14	---	153.85	154.77	154.41	154.88	155.08	154.28	---	---	---	---	---
15	---	153.79	154.72	154.52	154.91	156.54	154.21	---	---	---	---	---
16	---	153.91	154.64	154.55	154.86	157.12	154.25	---	---	---	---	---
17	---	154.04	154.70	154.50	154.72	157.33	154.29	---	---	---	---	---
18	---	154.07	154.66	154.42	154.72	157.43	154.35	---	---	---	---	---
19	---	154.01	154.23	154.30	154.67	157.58	154.41	---	---	---	---	---
20	---	153.98	154.04	154.45	154.67	157.54	154.45	---	---	---	---	---
21	---	153.91	154.19	154.55	154.65	157.47	154.40	---	---	---	---	---
22	---	153.95	154.32	154.56	154.67	157.05	154.40	---	---	---	---	---
23	---	153.99	154.41	154.47	154.71	156.97	154.43	---	---	---	---	---
24	---	153.98	154.48	---	155.12	157.13	154.35	---	---	---	---	---
25	153.96	153.99	154.50	---	154.73	156.85	154.39	---	---	---	---	---
26	153.92	153.97	154.49	---	154.39	155.61	---	---	---	---	---	---
27	153.84	153.91	154.48	---	154.38	155.16	---	---	---	---	---	---
28	152.53	153.89	154.56	---	154.58	155.02	---	---	---	---	---	---
29	151.96	153.88	154.66	---	154.62	154.93	---	---	---	---	---	---
30	151.99	153.95	154.68	---	---	154.83	---	---	---	---	---	---
31	153.12	---	154.49	---	---	154.96	---	---	---	---	---	---
MEAN	---	153.77	154.35	---	---	155.62	---	---	---	---	---	---
MAX	---	154.07	154.79	---	---	157.58	---	---	---	---	---	---
MIN	---	152.25	153.39	---	---	154.00	---	---	---	---	---	---



## GROUND-WATER LEVELS

## AIKEN COUNTY

332616081462001. Local number, AK-817.

LOCATION.--Lat 33°26'15''(revised), long 81°46'12''(revised), Hydrologic Unit 03060106, 100 ft north of State Highway 146, (Graymare Hollow Road) approximately 0.6 mi east of junction with State Highway Road 302.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 478 ft, 4 in from 478 to 535 ft, depth 535 ft, cased to 535 ft, screened from 520 to 530 ft.

INSTRUMENTATION.--Data collection platform--60 minute punch interval.

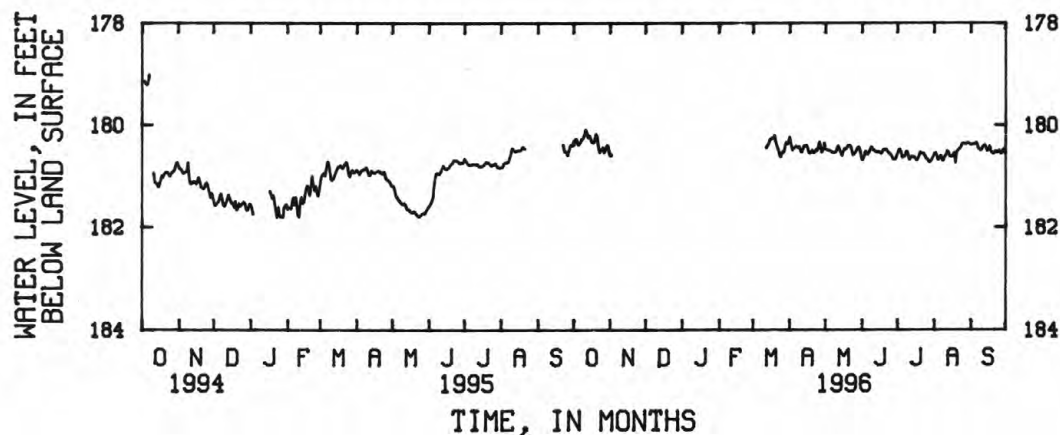
DATUM.--Land-surface datum is 419 ft above sea level. Measuring point: Opening in casing, 2.41 ft land-surface datum.

PERIOD OF RECORD.--April 1988 to May 1991, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 180.09 ft below land-surface datum, Oct. 11, 1995; lowest, 184.08 ft below land-surface datum, Mar. 3, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180.39	180.60	---	---	---	---	180.24	180.47	180.70	180.56	180.57	180.39
2	180.30	180.59	---	---	---	---	180.40	180.49	180.66	180.50	180.55	180.38
3	180.28	---	---	---	---	---	180.50	180.50	180.57	180.47	180.60	180.37
4	180.32	---	---	---	---	---	180.46	180.50	180.52	180.57	180.68	180.37
5	180.39	---	---	---	---	---	180.45	180.51	180.57	180.65	180.68	180.35
6	180.36	---	---	---	---	---	180.41	180.52	180.58	180.64	180.61	180.35
7	180.31	---	---	---	---	---	180.42	180.55	180.54	180.62	180.63	180.44
8	180.28	---	---	---	---	---	180.45	180.55	180.47	180.55	180.71	180.47
9	180.26	---	---	---	---	---	180.42	180.55	180.43	180.52	180.69	180.50
10	180.18	---	---	---	---	---	180.51	180.54	180.49	180.61	180.62	180.50
11	180.09	---	---	---	---	---	180.55	180.44	180.50	180.69	180.59	180.43
12	180.13	---	---	---	---	180.44	180.49	180.41	180.53	180.64	180.51	180.41
13	180.25	---	---	---	---	180.40	180.41	180.50	180.53	180.63	180.54	180.39
14	180.21	---	---	---	---	180.37	180.41	180.57	180.54	180.64	180.61	180.47
15	180.25	---	---	---	---	180.29	180.40	180.61	180.53	180.63	180.62	180.52
16	180.32	---	---	---	---	180.26	180.44	180.53	180.55	180.67	180.63	180.48
17	180.34	---	---	---	---	180.25	180.55	180.47	180.57	180.70	180.58	180.42
18	180.34	---	---	---	---	180.26	180.57	180.48	180.52	180.67	180.55	180.52
19	180.29	---	---	---	---	180.20	180.53	180.45	180.49	180.59	180.75	180.55
20	180.19	---	---	---	---	180.34	180.50	180.41	180.49	180.54	180.53	180.58
21	180.22	---	---	---	---	180.41	180.55	180.40	180.48	180.56	180.50	180.55
22	180.45	---	---	---	---	180.48	180.55	180.40	180.52	180.56	180.47	180.51
23	180.55	---	---	---	---	180.59	180.49	180.51	180.55	180.56	180.46	180.55
24	180.52	---	---	---	---	180.64	180.51	180.60	180.57	180.62	180.40	180.53
25	180.47	---	---	---	---	180.56	180.46	180.59	180.58	180.66	180.36	180.50
26	180.45	---	---	---	---	180.53	180.33	180.55	180.63	180.68	180.36	180.56
27	180.55	---	---	---	---	180.53	180.43	180.51	180.68	180.72	180.36	180.57
28	180.49	---	---	---	---	180.40	180.55	180.45	180.67	180.74	180.37	180.49
29	180.41	---	---	---	---	180.34	180.50	180.43	180.68	180.72	180.35	180.48
30	180.41	---	---	---	---	180.37	180.35	180.50	180.63	180.68	180.35	180.55
31	180.55	---	---	---	---	180.32	---	180.65	---	180.64	180.36	---
MEAN	180.34	---	---	---	---	---	180.46	180.50	180.56	180.62	180.54	180.47
MAX	180.55	---	---	---	---	---	180.57	180.65	180.70	180.74	180.75	180.58
MIN	180.09	---	---	---	---	---	180.24	180.40	180.43	180.47	180.35	180.35



## GROUND-WATER LEVELS

## AIKEN COUNTY

332617081462001. Local number, AK-818.

LOCATION.--Lat 33°26'17'', long 81°46'14'', Hydrologic Unit 03060106, 100 ft north of State Highway 146, (Graymare Hollow Road) approximately 0.6 mi east of junction with State Highway Road 302.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 410 ft, 4 in from 368 to 425 ft, depth 425 ft, cased to 425 ft, screened from 410 to 420 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

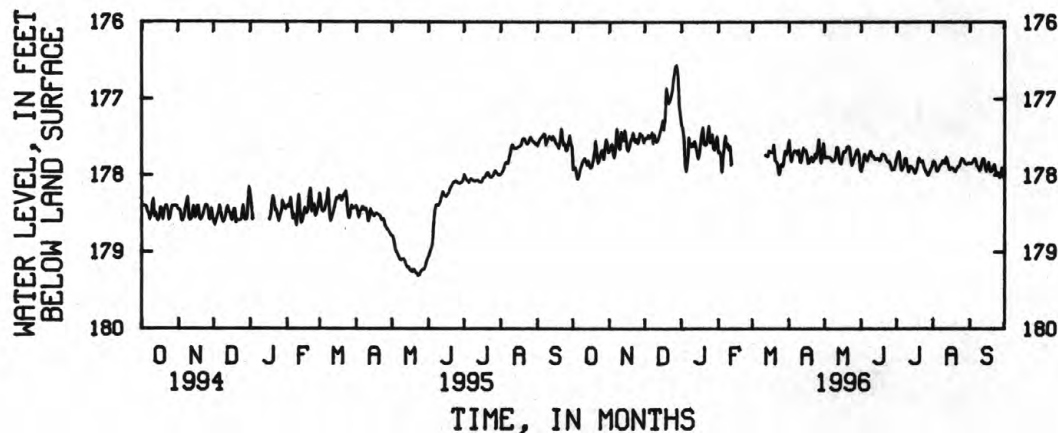
DATUM.--Land-surface datum is 419 ft above sea level. Measuring point: Opening in casing, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--April 1988 to May 1991, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 176.56 ft below land-surface datum, Dec. 28, 1995; lowest, 181.56 ft below land-surface datum, Mar. 3, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	177.94	177.68	177.54	177.35	177.72	---	177.54	177.78	177.96	177.77	177.82	177.85
2	177.90	177.62	177.51	177.39	177.70	---	177.76	177.77	177.88	177.72	177.82	177.85
3	177.91	177.59	177.52	177.54	177.73	---	177.83	177.77	177.75	177.69	177.87	177.84
4	178.01	177.71	177.47	177.88	177.97	---	177.72	177.76	177.72	177.85	177.95	177.81
5	178.06	177.78	177.52	177.96	177.75	---	177.70	177.77	177.80	177.94	177.95	177.78
6	178.00	177.63	177.50	177.83	177.59	---	177.67	177.77	177.82	177.92	177.90	177.80
7	177.92	177.39	177.44	177.50	177.48	---	177.69	177.82	177.76	177.87	177.87	177.89
8	177.88	177.47	177.59	177.61	177.63	---	177.73	177.82	177.70	177.78	177.86	177.89
9	177.83	177.66	177.46	177.63	177.59	---	177.67	177.81	177.68	177.78	177.81	177.95
10	177.80	177.66	177.56	177.58	177.68	---	177.83	177.78	177.76	177.89	177.81	177.93
11	177.78	177.43	177.57	177.62	177.62	---	177.84	177.64	177.75	177.97	177.85	177.83
12	177.82	177.55	177.54	177.55	177.87	177.74	177.74	177.63	177.78	177.89	177.76	177.79
13	177.87	177.55	177.49	177.63	---	177.75	177.64	177.78	177.80	177.88	177.79	177.78
14	177.81	177.41	177.42	177.71	---	177.76	177.69	177.85	177.79	177.91	177.89	177.90
15	177.89	177.53	177.38	177.79	---	177.68	177.67	177.86	177.77	177.92	177.93	177.96
16	177.91	177.67	177.28	177.73	---	177.70	177.73	177.75	177.80	177.97	177.92	177.88
17	177.88	177.69	177.41	177.58	---	177.70	177.85	177.69	177.82	177.98	177.90	177.83
18	177.81	177.62	177.26	177.43	---	177.71	177.84	177.70	177.75	177.92	177.92	177.95
19	177.72	177.55	176.86	177.37	---	177.60	177.78	177.68	177.72	177.82	177.95	177.96
20	177.55	177.52	176.94	177.60	---	177.81	177.76	177.63	177.73	177.77	177.96	177.95
21	177.68	177.44	177.07	177.61	---	177.82	177.83	177.62	177.74	177.82	177.92	177.88
22	177.85	177.54	177.03	177.60	---	177.85	177.81	177.64	177.79	177.83	177.88	177.86
23	177.83	177.57	176.98	177.49	---	177.98	177.72	177.80	177.82	177.81	177.89	177.97
24	177.76	177.53	176.91	177.35	---	178.00	177.78	177.88	177.83	177.89	177.83	177.97
25	177.68	177.59	176.76	177.58	---	177.86	177.68	177.84	177.82	177.93	177.78	177.97
26	177.67	177.52	176.64	177.57	---	177.86	177.53	177.77	177.89	177.96	177.79	178.04
27	177.80	177.45	176.57	177.46	---	177.89	177.71	177.73	177.94	178.00	177.81	178.03
28	177.66	177.47	176.56	177.66	---	177.73	177.85	177.68	177.92	178.01	177.85	177.90
29	177.53	177.49	176.72	177.68	---	177.68	177.74	177.66	177.93	177.96	177.86	177.95
30	177.60	177.58	177.11	177.57	---	177.73	177.58	177.75	177.86	177.92	177.86	178.04
31	177.71	---	177.23	177.49	---	177.64	---	177.94	---	177.89	177.84	---
MEAN	177.81	177.56	177.22	177.59	---	---	177.73	177.75	177.80	177.88	177.87	177.90
MAX	178.06	177.78	177.59	177.96	---	---	177.85	177.94	177.96	178.01	177.96	178.04
MIN	177.53	177.39	176.56	177.35	---	---	177.53	177.62	177.68	177.69	177.76	177.78



## GROUND-WATER LEVELS

## AIKEN COUNTY

332616081461701. Local number, AK-824.

LOCATION.--Lat 33°26'16'', long 81°46'15'', Hydrologic Unit 03060106, 100 ft north of State Highway 146, (Graymare Hollow Road) approximately 0.6 mi east of junction with State Highway Road 302.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 339 ft, 4 in from 313 to 350 ft, 360 to 365 ft, depth 365 ft, cased to 365 ft, screened from 350 to 360 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

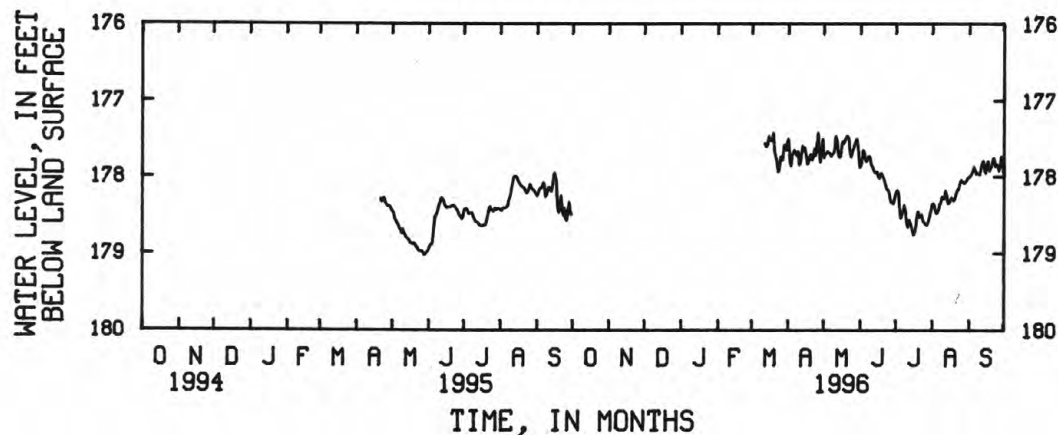
DATUM.--Land-surface datum is 419 ft above sea level. Measuring point: Opening in casing, 2.75 ft above land-surface datum.

PERIOD OF RECORD.--November 1989 to December 1990, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 177.42 ft below land-surface datum, Mar. 19, Apr. 26, 1996; lowest, 180.97 ft below land-surface datum, Dec. 9, 10, 11, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	177.50	177.76	177.88	178.21	178.35	178.00
2	---	---	---	---	---	---	177.82	177.71	177.78	178.18	178.35	177.99
3	---	---	---	---	---	---	177.87	177.70	177.65	178.19	178.41	177.96
4	---	---	---	---	---	---	177.71	177.67	177.67	178.42	178.48	177.92
5	---	---	---	---	---	---	177.70	177.69	177.79	178.55	178.48	177.87
6	---	---	---	---	---	---	177.65	177.69	177.81	178.52	178.44	177.91
7	---	---	---	---	---	---	177.70	177.74	177.75	178.45	178.36	177.97
8	---	---	---	---	---	---	177.73	177.72	177.73	178.37	178.34	177.95
9	---	---	---	---	---	---	177.67	177.70	177.74	178.41	178.26	177.96
10	---	---	---	---	---	---	177.86	177.65	177.86	178.58	178.26	177.98
11	---	---	---	---	---	---	177.84	177.47	177.87	178.67	178.29	177.89
12	---	---	---	---	---	177.57	177.71	177.51	177.92	178.56	178.18	177.82
13	---	---	---	---	---	177.61	177.59	177.70	177.95	178.58	178.24	177.79
14	---	---	---	---	---	177.59	177.67	177.75	177.95	178.65	178.35	177.93
15	---	---	---	---	---	177.47	177.62	177.74	177.94	178.71	178.35	177.96
16	---	---	---	---	---	177.50	177.73	177.60	178.01	178.77	178.32	177.84
17	---	---	---	---	---	177.53	177.85	177.53	178.03	178.74	178.27	177.79
18	---	---	---	---	---	177.53	177.81	177.56	177.96	178.65	178.29	177.93
19	---	---	---	---	---	177.42	177.73	177.52	177.96	178.50	178.32	177.90
20	---	---	---	---	---	177.68	177.71	177.48	178.00	178.45	178.29	177.87
21	---	---	---	---	---	177.74	177.79	177.47	178.05	178.53	178.22	177.76
22	---	---	---	---	---	177.82	177.75	177.50	178.11	178.51	178.17	177.75
23	---	---	---	---	---	177.95	177.63	177.70	178.16	178.49	178.17	177.87
24	---	---	---	---	---	177.92	177.73	177.75	178.18	178.58	178.09	177.84
25	---	---	---	---	---	177.74	177.59	177.69	178.19	178.60	178.04	177.85
26	---	---	---	---	---	177.75	177.42	177.62	178.29	178.62	178.05	177.93
27	---	---	---	---	---	177.79	177.70	177.57	178.35	178.64	178.07	177.89
28	---	---	---	---	---	177.59	177.82	177.53	178.33	178.62	178.09	177.73
29	---	---	---	---	---	177.58	177.64	177.50	178.36	178.54	178.07	177.83
30	---	---	---	---	---	177.66	177.50	177.67	178.28	178.48	178.04	177.94
31	---	---	---	---	---	177.55	---	177.89	---	178.43	178.01	---
MEAN	---	---	---	---	---	---	177.70	177.64	177.98	178.52	178.25	177.89
MAX	---	---	---	---	---	---	177.87	177.89	178.36	178.77	178.48	178.00
MIN	---	---	---	---	---	---	177.42	177.47	177.65	178.18	178.01	177.73





## GROUND-WATER LEVELS

## AIKEN COUNTY

332616081461601. Local number, AK-825.

LOCATION.--Lat 33°26'16'', long 81°46'16'', Hydrologic Unit 03060106, 100 ft north of State Highway 146, (Graymare Hollow Road) approximately 0.6 mi east of junction with State Highway Road 302.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Pee Dee Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 205 ft, 4 in from 186 to 216 ft, 226 to 231 ft, depth 231 ft, cased to 231 ft, screened from 216 to 226 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

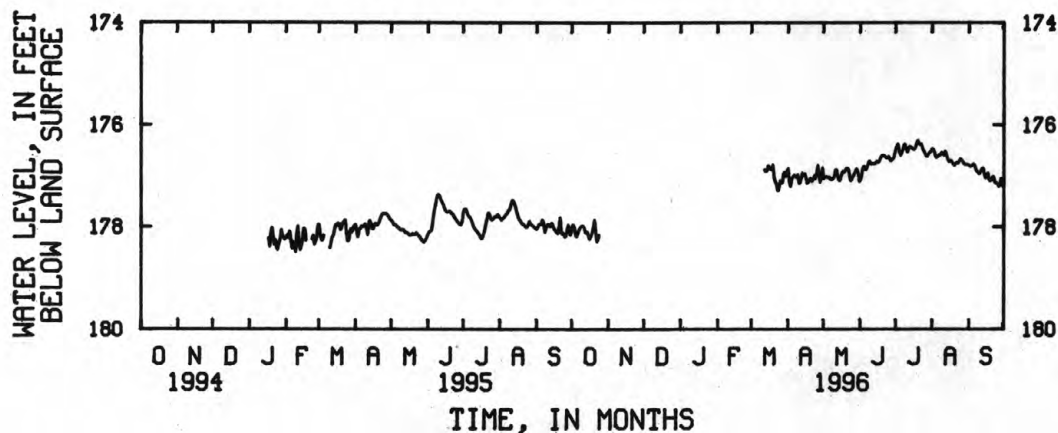
DATUM.--Land-surface datum is 300 ft above sea level. Measuring point: Opening in casing, 1.12 ft land-surface datum.

PERIOD OF RECORD.--May 1989 to May 1991, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 176.30 ft below land-surface datum, July 20, 1996; lowest, 181.16 ft below land-surface datum, Feb. 1, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	178.00	---	---	---	---	---	176.85	177.07	177.10	176.47	176.47	176.80
2	177.95	---	---	---	---	---	177.17	177.04	177.00	176.41	176.48	176.82
3	178.00	---	---	---	---	---	177.22	177.03	176.85	176.37	176.55	176.82
4	178.18	---	---	---	---	---	177.06	177.02	176.81	176.53	176.64	176.80
5	178.20	---	---	---	---	---	177.03	177.04	176.88	176.61	176.65	176.78
6	178.13	---	---	---	---	---	176.98	177.03	176.88	176.57	176.63	176.81
7	178.05	---	---	---	---	---	177.01	177.08	176.80	176.50	176.59	176.91
8	178.01	---	---	---	---	---	177.03	177.08	176.73	176.39	176.60	176.92
9	177.98	---	---	---	---	---	176.98	177.06	176.70	176.38	176.55	176.96
10	177.98	---	---	---	---	---	177.16	177.03	176.78	176.49	176.56	176.97
11	177.99	---	---	---	---	---	177.15	176.88	176.76	176.55	176.61	176.91
12	178.10	---	---	---	---	176.88	177.04	176.88	176.77	176.44	176.52	176.87
13	178.13	---	---	---	---	176.92	176.94	177.03	176.77	176.42	176.57	176.85
14	178.10	---	---	---	---	176.91	176.99	177.10	176.75	176.45	176.69	177.00
15	178.21	---	---	---	---	176.80	176.96	177.10	176.71	176.45	176.73	177.06
16	178.25	---	---	---	---	176.83	177.04	176.99	176.74	176.49	176.72	176.99
17	178.18	---	---	---	---	176.87	177.16	176.91	176.73	176.49	176.71	176.95
18	178.11	---	---	---	---	176.88	177.14	176.94	176.64	176.44	176.74	177.09
19	178.01	---	---	---	---	176.78	177.07	176.91	176.61	176.33	176.79	177.11
20	177.86	---	---	---	---	177.05	177.05	176.86	176.60	176.30	176.81	177.10
21	178.09	---	---	---	---	177.11	177.12	176.85	176.60	176.37	176.77	177.03
22	178.31	---	---	---	---	177.18	177.09	176.87	176.63	176.39	176.74	177.02
23	178.27	---	---	---	---	177.31	176.99	177.04	176.65	176.38	176.76	177.15
24	178.16	---	---	---	---	177.29	177.06	177.11	176.65	176.48	176.71	177.15
25	---	---	---	---	---	177.10	176.96	177.06	176.62	176.53	176.67	177.15
26	---	---	---	---	---	177.11	176.79	177.00	176.68	176.57	176.70	177.22
27	---	---	---	---	---	177.15	177.01	176.96	176.72	176.62	176.73	177.20
28	---	---	---	---	---	176.95	177.14	176.91	176.67	176.63	176.77	177.06
29	---	---	---	---	---	176.93	177.00	176.86	176.67	176.58	176.79	177.11
30	---	---	---	---	---	177.02	176.84	176.94	176.58	176.55	176.79	177.21
31	---	---	---	---	---	176.91	---	177.12	---	176.53	176.79	---
MEAN	---	---	---	---	---	---	177.03	176.99	176.74	176.47	176.67	176.99
MAX	---	---	---	---	---	---	177.22	177.12	177.10	176.63	176.81	177.22
MIN	---	---	---	---	---	---	176.79	176.85	176.58	176.30	176.47	176.78





## GROUND-WATER LEVELS

## AIKEN COUNTY

333230081290501. Local number, AK-826.

LOCATION.--Lat 33°32'32'', long 81°29'08'', Hydrologic Unit 03050204, Aiken State Park, approximately .25 mi east of County Highway 53.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Black Creek.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 473 ft, 4 in from 448 to 485 ft, 495 to 500 ft, depth 500 ft, cased to 500 ft, screened from 485 to 495 ft.

INSTRUMENTATION.--Data collection platform--60 minute punch interval.

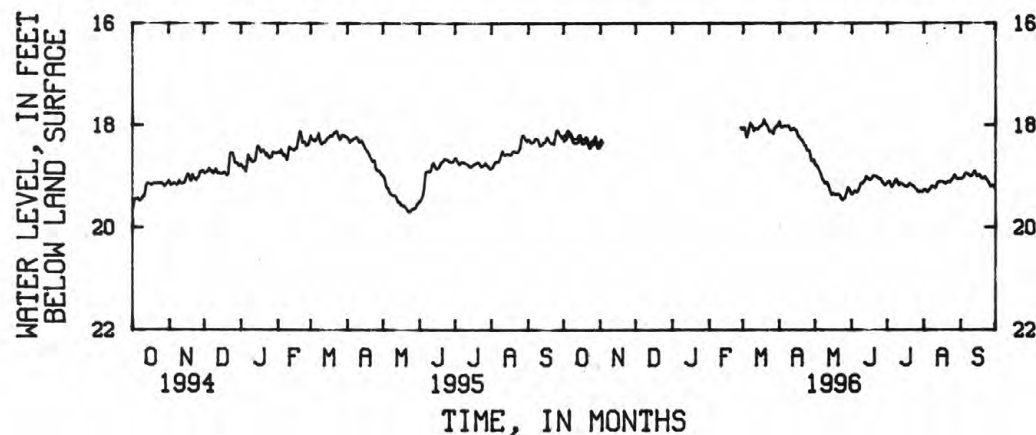
DATUM.--Land-surface datum is 300 ft above sea level. Measuring point: Opening in casing, 1.98 ft land-surface datum.

PERIOD OF RECORD.--February 1989 to June 1991, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 17.89 ft below land-surface datum, Mar. 19, 1996; lowest, 24.12 ft below land-surface datum, Oct. 7, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.31	18.41	---	---	---	18.06	17.93	18.79	19.36	19.14	19.28	19.05
2	18.29	18.37	---	---	---	18.04	18.03	18.79	19.35	19.11	19.27	19.05
3	18.27	18.33	---	---	---	18.16	18.05	18.83	19.30	19.10	19.29	19.04
4	18.20	---	---	---	---	18.24	18.02	18.87	19.29	19.18	19.32	19.01
5	18.18	---	---	---	---	18.18	18.03	18.93	19.31	19.22	19.29	18.95
6	18.22	---	---	---	---	18.07	18.01	19.00	19.31	19.17	19.27	18.94
7	18.23	---	---	---	---	17.95	18.02	19.07	19.26	19.14	19.22	18.96
8	18.30	---	---	---	---	18.01	18.03	19.10	19.18	19.08	19.20	18.97
9	18.35	---	---	---	---	18.01	18.01	19.14	19.14	19.07	19.21	19.00
10	18.35	---	---	---	---	18.11	18.09	19.16	19.15	19.14	19.22	19.01
11	18.35	---	---	---	---	18.09	18.11	19.13	19.10	19.18	19.24	18.98
12	18.35	---	---	---	---	18.06	18.09	19.18	19.10	19.14	19.17	18.93
13	18.34	---	---	---	---	18.08	18.06	19.27	19.01	19.15	19.13	18.90
14	18.28	---	---	---	---	18.08	18.10	19.33	19.02	19.17	19.11	18.97
15	18.27	---	---	---	---	18.03	18.10	19.37	19.04	19.18	19.11	19.01
16	18.34	---	---	---	---	18.02	18.16	19.35	19.07	19.19	19.11	18.99
17	18.37	---	---	---	---	18.01	18.23	19.35	19.07	19.21	19.11	18.98
18	18.36	---	---	---	---	17.96	18.26	19.37	19.03	19.21	19.13	19.03
19	18.35	---	---	---	---	17.89	18.28	19.37	19.00	19.18	19.15	19.04
20	18.31	---	---	---	---	17.96	18.30	19.36	19.00	19.15	19.14	19.05
21	18.33	---	---	---	---	17.99	18.36	19.37	19.00	19.16	19.12	19.03
22	18.42	---	---	---	---	18.03	18.40	19.38	19.01	19.18	19.11	19.02
23	18.46	---	---	---	---	18.11	18.41	19.45	19.03	19.19	19.12	19.08
24	18.42	---	---	---	---	18.14	18.50	19.48	19.04	19.22	19.10	19.10
25	18.40	---	---	---	---	18.12	18.51	19.47	19.04	19.24	19.05	19.14
26	18.39	---	---	---	---	18.15	18.50	19.44	19.09	19.27	19.01	19.20
27	18.35	---	---	---	---	18.18	18.63	19.38	19.12	19.30	18.98	19.21
28	18.30	---	---	---	18.05	18.06	18.72	19.29	19.15	19.32	19.02	19.18
29	18.41	---	---	---	18.09	18.02	18.71	19.23	19.18	19.30	19.05	19.21
30	18.46	---	---	---	---	18.03	18.69	19.26	19.17	19.31	19.05	19.24
31	18.42	---	---	---	---	17.97	---	19.33	---	19.31	19.05	---
MEAN	18.33	---	---	---	---	18.06	18.24	19.22	19.13	19.19	19.15	19.04
MAX	18.46	---	---	---	---	18.24	18.72	19.48	19.36	19.32	19.32	19.24
MIN	18.18	---	---	---	---	17.89	17.93	18.79	19.00	19.07	18.98	18.90



## GROUND-WATER LEVELS

## AIKEN COUNTY

333235081290801. Local number, AK-845.

LOCATION.--Lat 33°32'32'', long 81°29'08'', Hydrologic Unit 03050204, Aiken State Park, approximately .4 mi east of County Highway 53, north west of New Ellention.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Middendorf.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 330 ft, 4 in from 299 to 341 ft, 351 to 356 ft, depth 356 ft, cased to 356 ft, screened from 341 to 351 ft.

INSTRUMENTATION.--Data collection platform--60 minute punch interval.

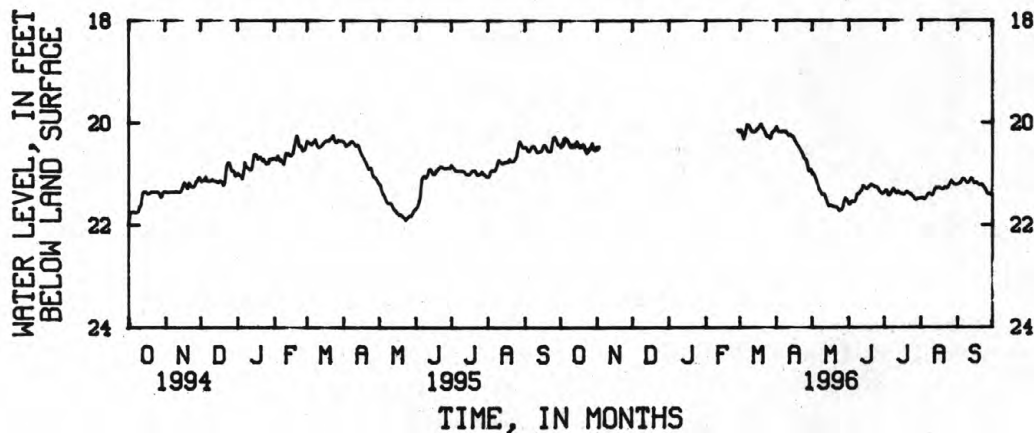
DATUM.--Land-surface datum is 295 ft above sea level. Measuring point: Opening in casing, 2.34 ft land-surface datum.

PERIOD OF RECORD.--May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 20.02 ft below land-surface datum, Mar. 19, 1996; lowest, 22.30 ft below land-surface datum, May 28 - 31, June 1, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.47	20.53	---	---	---	20.15	20.07	21.01	21.59	21.36	21.48	21.21
2	20.46	20.51	---	---	---	20.14	20.15	21.00	21.60	21.33	21.47	21.20
3	20.43	20.47	---	---	---	20.23	20.18	21.04	21.55	21.32	21.48	21.19
4	20.35	---	---	---	---	20.32	20.17	21.11	21.53	21.40	21.51	21.17
5	20.33	---	---	---	---	20.25	20.18	21.18	21.54	21.43	21.47	21.11
6	20.34	---	---	---	---	20.14	20.16	21.25	21.54	21.39	21.44	21.09
7	20.37	---	---	---	---	20.03	20.16	21.32	21.50	21.36	21.41	21.11
8	20.42	---	---	---	---	20.06	20.17	21.35	21.41	21.30	21.38	21.14
9	20.47	---	---	---	---	20.05	20.16	21.40	21.38	21.29	21.39	21.17
10	20.48	---	---	---	---	20.15	20.22	21.42	21.38	21.34	21.41	21.18
11	20.47	---	---	---	---	20.18	20.25	21.40	21.33	21.38	21.42	21.16
12	20.47	---	---	---	---	20.16	20.24	21.44	21.32	21.35	21.36	21.11
13	20.47	---	---	---	---	20.18	20.23	21.53	21.23	21.35	21.30	21.08
14	20.44	---	---	---	---	20.17	20.27	21.59	21.25	21.38	21.27	21.13
15	20.40	---	---	---	---	20.13	20.27	21.63	21.27	21.38	21.28	21.18
16	20.46	---	---	---	---	20.12	20.32	21.62	21.29	21.38	21.27	21.18
17	20.48	---	---	---	---	20.09	20.38	21.62	21.28	21.40	21.27	21.16
18	20.48	---	---	---	---	20.05	20.42	21.64	21.25	21.40	21.29	21.20
19	20.48	---	---	---	---	20.02	20.45	21.65	21.22	21.38	21.30	21.21
20	20.46	---	---	---	---	20.08	20.48	21.65	21.21	21.35	21.30	21.22
21	20.47	---	---	---	---	20.11	20.54	21.65	21.22	21.36	21.27	21.21
22	20.56	---	---	---	---	20.16	20.58	21.66	21.23	21.38	21.27	21.21
23	20.60	---	---	---	---	20.23	20.61	21.70	21.25	21.38	21.28	21.26
24	20.57	---	---	---	---	20.27	20.69	21.73	21.26	21.42	21.27	21.28
25	20.55	---	---	---	---	20.26	20.72	21.72	21.26	21.44	21.22	21.32
26	20.53	---	---	---	---	20.29	20.73	21.70	21.30	21.46	21.17	21.38
27	20.50	---	---	---	---	20.31	20.84	21.64	21.34	21.50	21.13	21.40
28	20.44	---	---	---	20.14	20.21	20.94	21.53	21.36	21.51	21.17	21.39
29	20.53	---	---	---	20.17	20.17	20.85	21.48	21.39	21.49	21.20	21.41
30	20.55	---	---	---	---	20.16	20.92	21.49	21.38	21.49	21.21	21.42
31	20.53	---	---	---	---	20.12	---	21.55	---	21.49	21.21	---
MEAN	20.47	---	---	---	---	20.16	20.41	21.47	21.36	21.39	21.32	21.22
MAX	20.60	---	---	---	---	20.32	20.95	21.73	21.60	21.51	21.51	21.42
MIN	20.33	---	---	---	---	20.02	20.07	21.00	21.21	21.29	21.13	21.08



## GROUND-WATER LEVELS

## AIKEN COUNTY

333233081290802. Local number, AK-846.

LOCATION.--Lat 33°32'32'', long 81°29'08'', Hydrologic Unit 03050204, Aiken State Park, approximately .4 mi east of County Highway 53, north west of New Ellenton.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Black Creek.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 223 ft, 4 in from 199 to 240 ft, 250 to 255 ft, depth 255 ft, cased to 255 ft, screened from 240 to 250 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

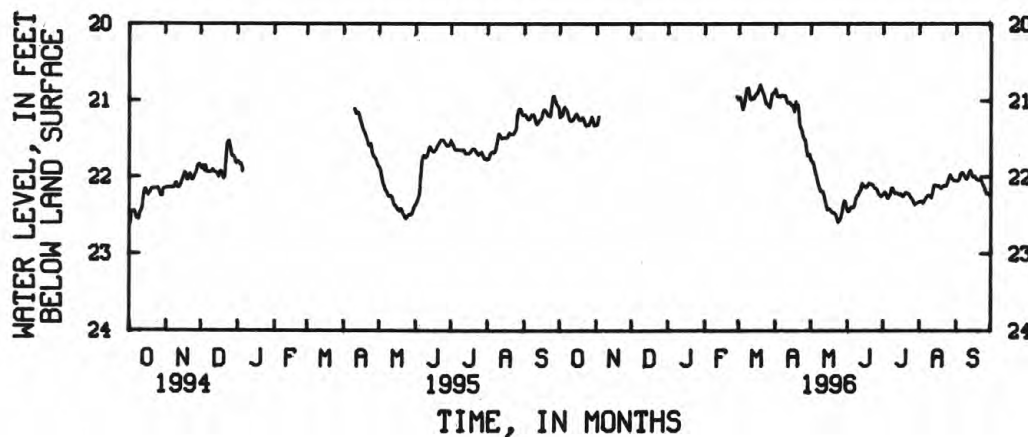
DATUM.--Land-surface datum is 297.80 ft above sea level. Measuring point: Opening in casing, 0.91 ft above land-surface datum.

PERIOD OF RECORD.--April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 20.79 ft below land-surface datum, Mar. 19, 1996; lowest, 23.21 ft below land-surface datum, May 30, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.23	21.33	---	---	---	20.97	20.85	21.80	22.45	22.23	22.33	22.05
2	21.21	21.28	---	---	---	20.95	20.93	21.80	22.46	22.20	22.32	22.05
3	21.20	21.22	---	---	---	21.04	20.95	21.83	22.42	22.20	22.33	22.05
4	21.12	---	---	---	---	21.12	20.94	21.91	22.39	22.26	22.35	22.02
5	21.09	---	---	---	---	21.08	20.95	21.97	22.40	22.29	22.31	21.96
6	21.12	---	---	---	---	20.97	20.93	22.03	22.40	22.25	22.29	21.94
7	21.13	---	---	---	---	20.84	20.94	22.10	22.36	22.22	22.26	21.95
8	21.21	---	---	---	---	20.86	20.94	22.14	22.28	22.15	22.24	21.99
9	21.26	---	---	---	---	20.83	20.93	22.19	22.24	22.14	22.24	22.02
10	21.27	---	---	---	---	20.98	21.00	22.20	22.24	22.19	22.25	22.03
11	21.27	---	---	---	---	20.99	21.04	22.19	22.18	22.22	22.28	22.00
12	21.26	---	---	---	---	20.96	21.03	22.24	22.18	22.21	22.21	21.93
13	21.24	---	---	---	---	20.98	21.03	22.32	22.08	22.21	22.12	21.91
14	21.19	---	---	---	---	20.97	21.06	22.40	22.10	22.23	22.10	21.96
15	21.18	---	---	---	---	20.92	21.07	22.44	22.12	22.24	22.11	22.00
16	21.21	---	---	---	---	20.92	21.10	22.43	22.14	22.22	22.12	22.00
17	21.26	---	---	---	---	20.89	21.16	22.43	22.14	22.25	22.11	21.99
18	21.26	---	---	---	---	20.84	21.01	22.45	22.10	22.26	22.13	22.03
19	21.26	---	---	---	---	20.79	21.09	22.47	22.08	22.24	22.15	22.04
20	21.23	---	---	---	---	20.85	21.06	22.47	22.09	22.20	22.14	22.05
21	21.24	---	---	---	---	20.88	21.31	22.48	22.09	22.20	22.12	22.04
22	21.31	---	---	---	---	20.93	21.37	22.50	22.10	22.22	22.11	22.03
23	21.34	---	---	---	---	21.00	21.39	22.55	22.13	22.22	22.12	22.08
24	21.33	---	---	---	---	21.05	21.47	22.60	22.15	22.26	22.11	22.11
25	21.33	---	---	---	---	21.05	21.51	22.57	22.15	22.28	22.06	22.15
26	21.30	---	---	---	---	21.08	21.52	22.55	22.18	22.30	22.00	22.21
27	21.27	---	---	---	---	21.10	21.63	22.49	22.22	22.34	21.97	22.23
28	21.22	---	---	---	20.95	21.00	21.73	22.39	22.24	22.37	22.00	22.21
29	21.29	---	---	---	20.98	20.91	21.74	22.31	22.26	22.35	22.04	22.24
30	21.34	---	---	---	---	20.91	21.71	22.32	22.25	22.34	22.05	22.26
31	21.33	---	---	---	---	20.89	---	22.40	---	22.34	22.05	---
MEAN	21.24	---	---	---	---	20.95	21.18	22.29	22.22	22.25	22.16	22.05
MAX	21.34	---	---	---	---	21.12	21.74	22.60	22.46	22.37	22.35	22.26
MIN	21.09	---	---	---	---	20.79	20.85	21.80	22.08	22.14	21.97	21.91



## GROUND-WATER LEVELS

## AIKEN COUNTY

333234081290703. Local number, AK-847.

LOCATION.--Lat 33°32'32'', long 81°29'08'', Hydrologic Unit 03050204, Aiken State Park, approximately .4 mi east of County Highway 53, north west of New Ellenton.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Black Creek.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 168 ft, 4 in from 135 to 178 ft, 188 to 193 ft, depth 193 ft, cased to 193 ft, screened from 178 to 188 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

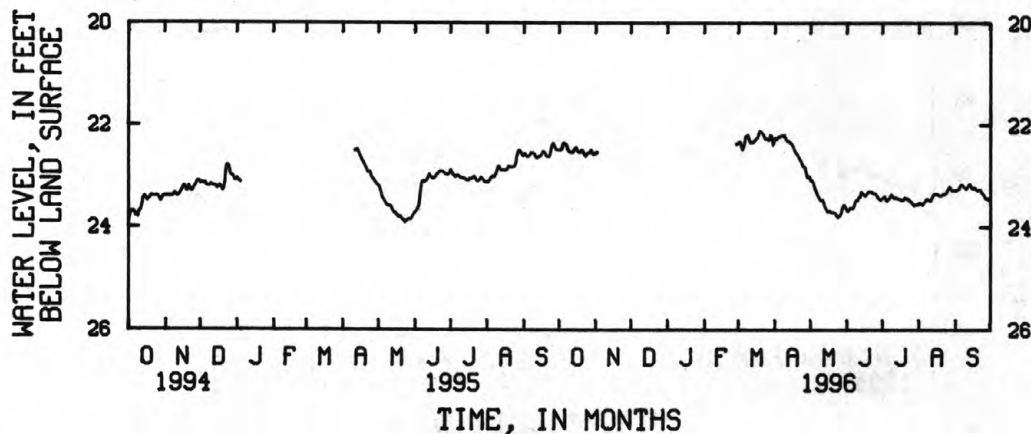
DATUM.--Land-surface datum is 295 ft above sea level. Measuring point: Opening in casing, 1.20 ft land-surface datum.

PERIOD OF RECORD.--May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 22.12 ft below land-surface datum, Mar. 19, 1996; lowest, 24.44 ft below land-surface datum, May 30, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.49	22.56	---	---	---	22.34	22.25	23.10	23.68	23.44	23.54	23.28
2	22.49	22.54	---	---	---	22.32	22.28	23.09	23.68	23.41	23.53	23.28
3	22.47	---	---	---	---	22.40	22.27	23.13	23.65	23.40	23.54	23.27
4	22.37	---	---	---	---	22.49	22.23	23.20	23.62	23.47	23.57	23.25
5	22.36	---	---	---	---	22.45	22.23	23.27	23.63	23.49	23.53	23.19
6	22.38	---	---	---	---	22.34	22.21	23.33	23.63	23.45	23.50	23.16
7	22.39	---	---	---	---	22.21	22.20	23.39	23.58	23.43	23.47	23.18
8	22.48	---	---	---	---	22.23	22.22	23.43	23.50	23.37	23.45	23.20
9	22.52	---	---	---	---	22.20	22.20	23.47	23.47	23.36	23.46	23.23
10	22.53	---	---	---	---	22.31	22.28	23.49	23.47	23.41	23.48	23.25
11	22.53	---	---	---	---	22.35	22.31	23.48	23.41	23.44	23.49	23.22
12	22.54	---	---	---	---	22.33	22.32	23.52	23.41	23.42	23.43	23.18
13	22.52	---	---	---	---	22.34	22.32	23.60	23.31	23.43	23.37	23.15
14	22.47	---	---	---	---	22.33	22.36	23.66	23.33	23.44	23.35	23.20
15	22.44	---	---	---	---	22.29	22.37	23.70	23.35	23.45	23.35	23.24
16	22.49	---	---	---	---	22.27	22.41	23.70	23.38	23.45	23.35	23.24
17	22.53	---	---	---	---	22.25	22.48	23.69	23.37	23.47	23.35	23.22
18	22.53	---	---	---	---	22.17	22.54	23.71	23.33	23.47	23.37	23.26
19	22.53	---	---	---	---	22.12	22.56	23.72	23.31	23.46	23.38	23.27
20	22.49	---	---	---	---	22.13	22.59	23.72	23.30	23.42	23.38	23.28
21	22.51	---	---	---	---	22.15	22.65	23.72	23.30	23.43	23.36	23.27
22	22.56	---	---	---	---	22.18	22.70	23.73	23.31	23.45	23.35	23.27
23	22.61	---	---	---	---	22.25	22.72	23.78	23.33	23.45	23.35	23.32
24	22.59	---	---	---	---	22.28	22.80	23.81	23.34	23.49	23.34	23.34
25	22.56	---	---	---	---	22.27	22.82	23.80	23.34	23.50	23.29	23.37
26	22.55	---	---	---	---	22.29	22.83	23.78	23.38	23.52	23.24	23.43
27	22.54	---	---	---	---	22.30	22.94	23.72	23.42	23.56	23.20	23.45
28	22.49	---	---	---	22.37	22.20	23.03	23.62	23.44	23.58	23.25	23.44
29	22.55	---	---	---	22.37	22.21	23.04	23.57	23.47	23.56	23.28	23.46
30	22.57	---	---	---	---	22.40	23.01	23.57	23.46	23.56	23.28	23.47
31	22.56	---	---	---	---	22.33	---	23.63	---	23.56	23.28	---
MEAN	22.50	---	---	---	---	22.28	22.51	23.55	23.44	23.46	23.39	23.28
MAX	22.61	---	---	---	---	22.49	23.04	23.81	23.68	23.58	23.57	23.47
MIN	22.36	---	---	---	---	22.12	22.20	23.09	23.30	23.36	23.20	23.15





## AIKEN COUNTY

333233081290704. Local number, AK-848.

LOCATION.--Lat 33°32'32'', long 81°29'08'', Hydrologic Unit 03050204, Aiken State Park, approximately .4 mi east of County Highway 53, north west of New Ellenton.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Black Creek.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 105 ft, 4 in from 75 to 116 ft, 126 to 131 ft, depth 131 ft, cased to 131 ft, screened from 116 to 126 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

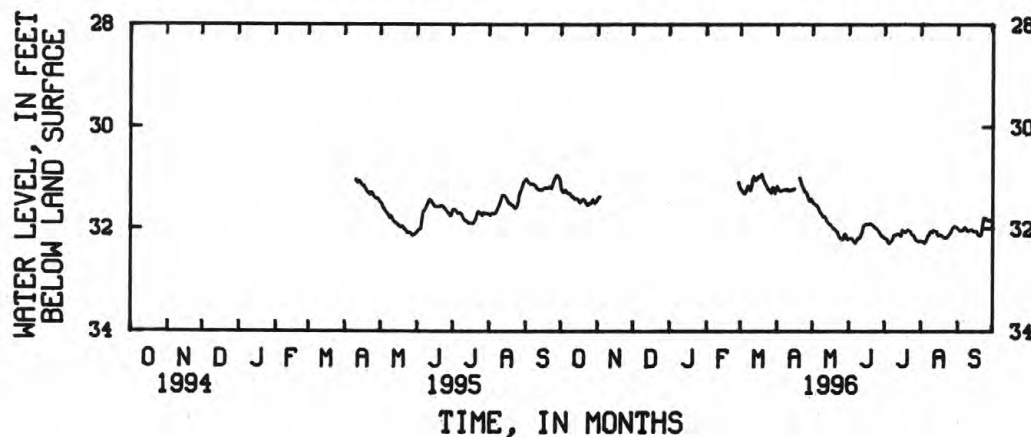
DATUM.--Land-surface datum is 299.70 ft above sea level. Measuring point: Opening in casing, 1.06 ft above land-surface datum.

PERIOD OF RECORD.--May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 30.87 ft below land-surface datum, Mar. 2, 1994; lowest, 42.25 ft below land-surface datum, June 26, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.24	31.43	---	---	---	31.24	31.17	31.49	32.20	32.19	32.25	32.00
2	31.27	31.39	---	---	---	31.25	31.24	31.52	32.20	32.20	32.26	32.02
3	31.30	31.38	---	---	---	31.30	31.27	31.53	32.19	32.21	32.26	32.04
4	31.26	---	---	---	---	31.32	31.27	31.55	32.22	32.28	32.29	32.05
5	31.26	---	---	---	---	31.30	31.27	31.58	32.26	32.30	32.27	32.02
6	31.31	---	---	---	---	31.24	31.25	31.62	32.29	32.27	32.20	32.03
7	31.31	---	---	---	---	31.16	31.24	31.68	32.27	32.25	32.14	31.97
8	31.31	---	---	---	---	31.21	31.25	31.70	32.21	32.19	32.12	32.00
9	31.35	---	---	---	---	31.26	31.23	31.75	32.18	32.13	32.07	32.04
10	31.38	---	---	---	---	31.18	31.26	31.78	32.19	32.12	32.05	32.05
11	31.38	---	---	---	---	31.03	31.26	31.77	32.12	32.13	32.07	32.04
12	31.42	---	---	---	---	30.97	31.26	31.80	32.09	32.10	32.04	32.03
13	31.44	---	---	---	---	31.04	31.24	31.86	31.95	32.11	---	32.02
14	31.42	---	---	---	---	31.06	31.25	31.89	31.93	32.13	32.06	32.05
15	31.43	---	---	---	---	31.01	31.23	31.92	31.91	32.15	32.12	32.05
16	31.47	---	---	---	---	30.98	31.23	31.93	31.91	32.03	32.14	32.05
17	31.51	---	---	---	---	30.99	---	31.95	31.92	32.04	32.12	32.05
18	31.47	---	---	---	---	30.97	---	31.99	31.91	32.07	32.13	32.11
19	31.44	---	---	---	---	30.93	---	32.01	31.90	32.07	32.15	32.13
20	31.44	---	---	---	---	31.03	31.01	32.02	31.91	32.04	32.17	32.14
21	31.45	---	---	---	---	31.09	31.09	32.05	31.94	32.03	32.18	32.13
22	31.51	---	---	---	---	31.13	31.17	32.07	31.95	32.04	32.18	31.93
23	31.54	---	---	---	---	31.18	31.21	32.15	31.98	32.06	32.18	31.79
24	31.55	---	---	---	---	31.22	31.27	32.20	32.00	32.11	32.15	31.79
25	31.51	---	---	---	---	31.26	31.29	32.20	32.02	32.13	32.11	31.80
26	31.52	---	---	---	---	31.29	31.31	32.22	32.06	32.14	32.09	31.83
27	31.49	---	---	---	---	31.31	31.39	32.21	32.09	32.19	32.03	31.84
28	31.43	---	---	---	31.10	31.19	31.46	32.12	32.13	32.23	31.99	31.83
29	31.51	---	---	---	31.19	31.20	31.47	32.11	32.15	32.25	31.96	31.85
30	31.51	---	---	---	---	31.32	31.42	32.21	32.17	32.26	31.96	31.86
31	31.47	---	---	---	---	31.23	---	32.22	---	32.25	31.97	---
MEAN	31.42	---	---	---	---	31.16	---	31.91	32.07	32.15	---	31.98
MAX	31.55	---	---	---	---	31.32	---	32.22	32.29	32.30	---	32.14
MIN	31.24	---	---	---	---	30.93	---	31.49	31.90	32.03	---	31.79





## GROUND-WATER LEVELS

## AIKEN COUNTY

333232081290605. Local number, AK-849.

LOCATION.--Lat 33°32'32'', long 81°29'08'', Hydrologic Unit 03050204, Aiken State Park, approximately .4 mi east of County Highway 53, north west of New Ellenton.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Ellenton.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 68 ft, 4 in from 41 to 82 ft, 92 to 97 ft, depth 97 ft, screened from 82 to 92 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

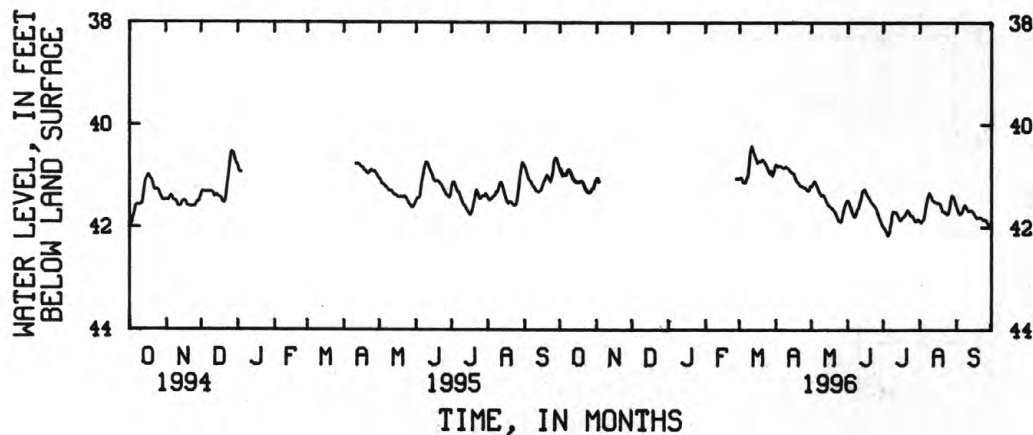
DATUM.--Land-surface datum is 295 ft above sea level. Measuring point: Opening in casing, 1.39 ft (revised) above land-surface datum.

PERIOD OF RECORD.--April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 40.41 ft below land-surface datum, Mar. 11, 1996; lowest, 42.25 ft below land-surface datum, June 26, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.86	41.06	---	---	---	41.05	40.77	41.20	41.47	42.00	41.89	41.61
2	40.92	41.06	---	---	---	41.03	40.80	41.17	41.52	42.03	41.91	41.68
3	40.98	41.11	---	---	---	41.07	40.81	41.11	41.59	42.07	41.86	41.73
4	40.96	---	---	---	---	41.12	40.80	41.11	41.67	42.14	41.85	41.75
5	40.97	---	---	---	---	41.14	40.81	41.16	41.74	42.17	41.75	41.73
6	40.97	---	---	---	---	41.12	40.82	41.23	41.79	42.10	41.57	41.69
7	40.89	---	---	---	---	41.04	40.84	41.30	41.79	41.97	41.47	41.61
8	40.86	---	---	---	---	41.00	40.85	41.33	41.73	41.81	41.38	41.56
9	40.88	---	---	---	---	40.79	40.82	41.38	41.65	41.68	41.32	41.60
10	40.94	---	---	---	---	40.50	40.83	41.39	41.61	41.68	41.36	41.65
11	41.00	---	---	---	---	40.41	40.85	41.37	41.51	41.70	41.44	41.68
12	41.06	---	---	---	---	40.46	40.87	41.41	41.45	41.70	41.48	41.68
13	41.08	---	---	---	---	40.56	40.90	41.47	41.31	41.76	41.50	41.67
14	41.10	---	---	---	---	40.62	40.94	41.53	41.27	41.82	41.50	41.67
15	41.11	---	---	---	---	40.69	40.94	41.57	41.25	41.86	41.52	41.70
16	41.12	---	---	---	---	40.76	40.95	41.59	41.29	41.85	41.52	41.75
17	41.12	---	---	---	---	40.71	41.03	41.61	41.36	41.81	41.52	41.79
18	41.11	---	---	---	---	40.72	41.10	41.63	41.40	41.79	41.55	41.83
19	41.10	---	---	---	---	40.72	41.12	41.65	41.43	41.77	41.62	41.82
20	41.12	---	---	---	---	40.69	41.15	41.67	41.48	41.73	41.68	41.81
21	41.17	---	---	---	---	40.69	41.19	41.71	41.52	41.66	41.69	41.81
22	41.25	---	---	---	---	40.72	41.20	41.76	41.54	41.67	41.70	41.82
23	41.27	---	---	---	---	40.78	41.20	41.82	41.57	41.71	41.73	41.86
24	41.31	---	---	---	---	40.82	41.23	41.87	41.60	41.77	41.75	41.85
25	41.32	---	---	---	---	40.88	41.23	41.89	41.65	41.77	41.74	41.85
26	41.32	---	---	---	---	40.94	41.24	41.90	41.73	41.79	41.63	41.88
27	41.31	---	---	---	41.06	40.97	41.28	41.84	41.80	41.85	41.47	41.92
28	41.25	---	---	---	41.05	40.90	41.30	41.71	41.85	41.88	41.37	41.96
29	41.25	---	---	---	41.06	41.01	41.27	41.61	41.92	41.88	41.38	41.98
30	41.17	---	---	---	---	40.93	41.19	41.53	41.97	41.84	41.45	41.96
31	41.09	---	---	---	---	40.83	---	41.48	---	41.85	41.53	---
MEAN	41.09	---	---	---	---	40.83	41.01	41.52	41.58	41.84	41.58	41.76
MAX	41.32	---	---	---	---	41.14	41.30	41.90	41.97	42.17	41.91	41.98
MIN	40.86	---	---	---	---	40.41	40.77	41.11	41.25	41.66	41.32	41.56



## ANDERSON COUNTY

343714082285600. Local number, AND-326.

LOCATION.--Lat 34°37'14'', long 82°28'56'', Hydrologic Unit 03060103, Williamston City water treatment plant at College and Minor Street, well 2.

Owner: City of Williamston.

AQUIFER.--Paleozoic Mica Gneiss/Precambrian Mica Gneiss

WELL CHARACTERISTICS.--Drilled observation well, diameter 8.25 in, depth 398 ft, cased to 75 ft, open hole from 75 to 398 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 785 ft above sea level. Measuring point: Top of casing at land-surface datum.

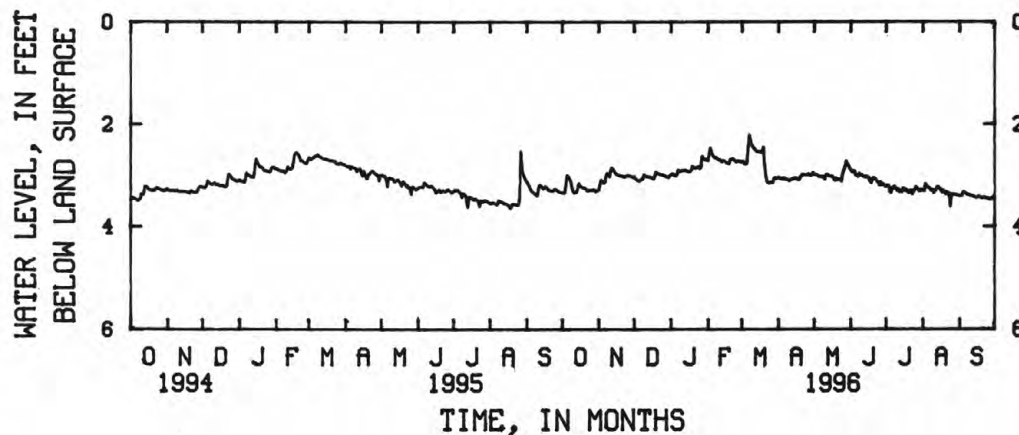
REMARKS.--Geophysical logs available in District files. Water level affected by nearby pumpage.

PERIOD OF RECORD.--October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 2.21 ft below land-surface datum, Mar. 7, 1996; lowest, 4.35 ft below land-surface datum, June 13, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.34	3.29	3.03	3.00	2.72	2.74	3.05	2.99	2.90	3.23	3.29	3.40
2	3.35	3.16	3.07	2.97	2.58	2.74	3.07	2.99	2.94	3.21	3.31	3.40
3	3.35	3.10	3.09	2.98	2.47	2.78	3.07	3.00	2.92	3.21	3.18	3.40
4	3.18	3.13	3.11	3.01	2.56	2.79	3.07	3.01	2.93	3.32	3.20	3.33
5	3.00	3.15	3.12	3.01	2.61	2.76	3.08	3.03	3.00	3.35	3.24	3.33
6	3.02	3.14	3.11	2.99	2.64	2.45	3.07	3.03	3.01	3.25	3.25	3.35
7	3.07	3.02	3.08	2.90	2.66	2.21	3.08	3.03	3.03	3.26	3.28	3.37
8	3.11	2.96	3.08	2.93	2.66	2.32	3.09	3.03	2.97	3.23	3.30	3.38
9	3.23	3.00	3.00	2.92	2.68	2.40	3.10	3.05	3.00	3.26	3.29	3.39
10	3.32	3.02	3.01	2.91	2.70	2.45	3.11	3.08	3.00	3.30	3.35	3.40
11	3.35	2.90	3.02	2.91	2.70	2.47	3.10	3.00	3.02	3.28	3.31	3.40
12	3.34	2.85	3.02	2.90	2.73	2.50	3.09	2.99	3.03	3.33	3.29	3.41
13	3.34	2.89	3.03	2.90	2.74	2.53	3.08	3.01	3.04	3.32	3.24	3.42
14	3.24	2.91	3.04	2.91	2.72	2.54	3.07	3.02	3.03	3.34	3.24	3.43
15	3.17	2.95	3.04	2.92	2.73	2.54	3.07	3.02	3.04	3.27	3.26	3.44
16	3.20	2.98	3.05	2.93	2.75	2.55	3.07	3.02	3.05	3.27	3.29	3.43
17	3.23	3.00	3.07	2.93	2.76	2.55	3.09	3.05	3.13	3.31	3.34	3.42
18	3.24	3.00	3.05	2.90	2.77	2.56	3.09	3.10	3.15	3.29	3.31	3.43
19	3.25	3.01	2.94	2.82	2.78	2.46	3.06	3.07	3.09	3.33	3.32	3.44
20	3.25	3.01	2.95	2.84	2.70	2.80	3.02	3.10	3.06	3.35	3.37	3.45
21	3.27	3.01	2.96	2.85	2.69	3.03	2.99	3.09	3.07	3.31	3.34	3.44
22	3.30	3.03	2.97	2.86	2.68	3.13	3.00	3.09	3.09	3.31	3.37	3.43
23	3.31	3.03	2.98	2.85	2.70	3.15	3.00	3.10	3.13	3.37	3.36	3.45
24	3.30	3.02	2.99	2.83	2.72	3.16	3.00	3.13	3.14	3.33	3.61	3.45
25	3.30	3.01	2.99	2.87	2.75	3.15	3.00	2.98	3.20	3.29	3.38	3.46
26	3.30	3.01	3.01	2.86	2.73	3.15	2.98	2.90	3.14	3.24	3.37	3.47
27	3.29	3.01	3.01	2.63	2.73	3.15	3.00	2.83	3.20	3.27	3.38	3.47
28	3.29	3.02	3.03	2.65	2.73	3.07	3.01	2.73	3.18	3.28	3.38	3.46
29	3.32	3.03	3.04	2.68	2.75	3.06	3.00	2.77	3.19	3.32	3.39	3.45
30	3.32	3.04	3.04	2.70	---	3.07	2.96	2.82	3.22	3.29	3.39	3.45
31	3.31	---	3.01	2.69	---	3.06	---	2.87	---	3.30	3.40	---
MEAN	3.25	3.02	3.03	2.87	2.69	2.75	3.05	3.00	3.06	3.29	3.32	3.42
MAX	3.35	3.29	3.12	3.01	2.78	3.16	3.11	3.13	3.22	3.37	3.61	3.47
MIN	3.00	2.85	2.94	2.63	2.47	2.21	2.96	2.73	2.90	3.21	3.18	3.33



## GROUND-WATER LEVELS

## BARNWELL COUNTY

331037081184301. Local number, BW-349.

LOCATION.--Lat 33°10'44'', long 81°18'51'', Hydrologic Unit 03050207, 245 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from 3 ft to 1030 ft, 4 in from 988 to 1045 ft., depth 1045 ft, cased to 1045 ft, screened interval 1030-1040 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

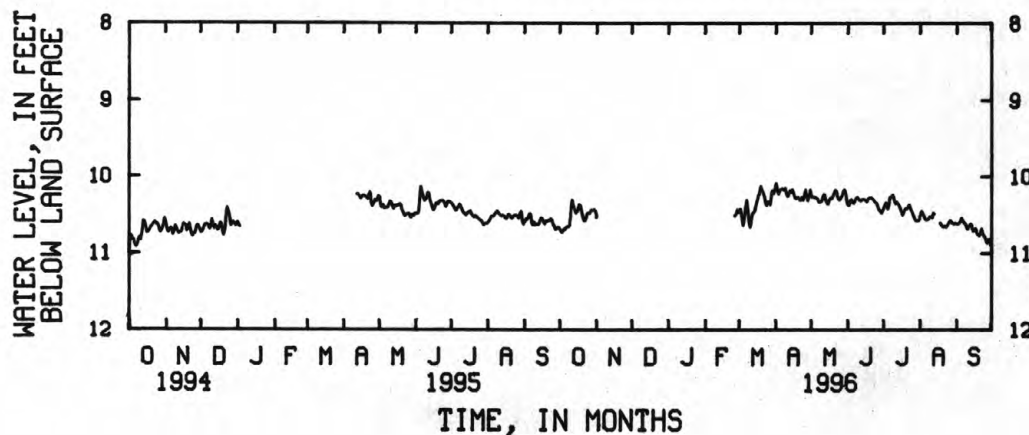
DATUM.--Land-surface datum is 208.64 ft above sea level. Measuring point: Opening in casing, 1.62 ft above land-surface datum.

PERIOD OF RECORD.--April 1988 to June 1991, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 9.91 ft below land-surface datum, Apr. 21, 1993; lowest, 15.19 ft below land-surface datum, Dec. 20, 26, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.70	10.53	---	---	---	10.44	10.08	10.27	10.38	10.41	10.51	10.62
2	10.73	---	---	---	---	10.42	10.19	10.26	10.37	10.37	10.45	10.62
3	10.73	---	---	---	---	10.55	10.23	10.27	10.31	10.34	10.48	10.61
4	10.69	---	---	---	---	10.65	10.18	10.27	10.30	10.42	10.52	10.59
5	10.70	---	---	---	---	10.56	10.17	10.28	10.34	10.41	10.56	10.54
6	10.67	---	---	---	---	10.40	10.15	10.29	10.35	10.27	10.57	10.57
7	10.66	---	---	---	---	10.30	10.16	10.33	10.31	10.27	10.56	10.61
8	10.66	---	---	---	---	10.45	10.18	10.34	10.28	10.24	10.56	10.61
9	10.65	---	---	---	---	10.61	10.15	10.33	10.27	10.24	10.53	10.66
10	10.46	---	---	---	---	10.67	10.24	10.32	10.30	10.31	10.53	10.69
11	10.30	---	---	---	---	10.56	10.26	10.24	10.31	10.36	10.54	10.66
12	10.38	---	---	---	---	10.48	10.22	10.23	10.32	10.33	10.48	10.64
13	10.42	---	---	---	---	10.47	10.18	10.31	10.30	10.35	10.49	10.62
14	10.48	---	---	---	---	10.44	10.20	10.35	10.30	10.38	---	10.69
15	10.47	---	---	---	---	10.36	10.17	10.36	10.30	10.42	---	10.72
16	10.43	---	---	---	---	10.30	10.21	10.31	10.32	10.47	---	10.70
17	10.36	---	---	---	---	10.24	10.28	10.28	10.33	10.51	---	10.68
18	10.37	---	---	---	---	10.21	10.29	10.29	10.29	10.47	10.61	10.75
19	10.47	---	---	---	---	10.12	10.28	10.26	10.28	10.43	10.64	10.76
20	10.52	---	---	---	---	10.18	10.27	10.22	10.28	10.41	10.66	10.78
21	10.58	---	---	---	---	10.20	10.31	10.18	10.28	10.42	10.66	10.74
22	10.58	---	---	---	---	10.26	10.31	10.18	10.30	10.38	10.65	10.68
23	10.54	---	---	---	---	10.35	10.27	10.27	10.32	10.37	10.67	10.76
24	10.48	---	---	---	---	10.38	10.31	10.30	10.34	10.43	10.64	10.78
25	10.48	---	---	---	---	10.33	10.26	10.30	10.35	10.47	10.61	10.80
26	10.48	---	---	---	10.51	10.34	10.17	10.28	10.40	10.50	10.58	10.86
27	10.44	---	---	---	10.50	10.37	10.25	10.24	10.44	10.55	10.58	10.87
28	10.44	---	---	---	10.43	10.22	10.32	10.19	10.45	10.58	10.61	10.82
29	10.44	---	---	---	10.47	10.18	10.26	10.17	10.48	10.58	10.61	10.86
30	10.43	---	---	---	---	10.22	10.17	10.23	10.45	10.58	10.62	10.90
31	10.46	---	---	---	---	10.15	---	10.34	---	10.57	10.61	---
MEAN	10.52	---	---	---	---	10.37	10.22	10.27	10.33	10.41	---	10.71
MAX	10.73	---	---	---	---	10.67	10.32	10.36	10.48	10.58	---	10.90
MIN	10.30	---	---	---	---	10.12	10.08	10.17	10.27	10.24	---	10.54



## GROUND-WATER LEVELS

## BARNWELL COUNTY

331039081184201. Local number, BW-350.

LOCATION.--Lat 33°10'44'', long 81°18'55'', Hydrologic Unit 03050207, 50 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Tertiary System.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from 3 ft to 150 ft, 4 in from 113 to 95 ft, depth 95 ft, cased to 95 ft, screened interval 80-90 ft.

INSTRUMENTATION.--Data collection platform--60 minute punch interval.

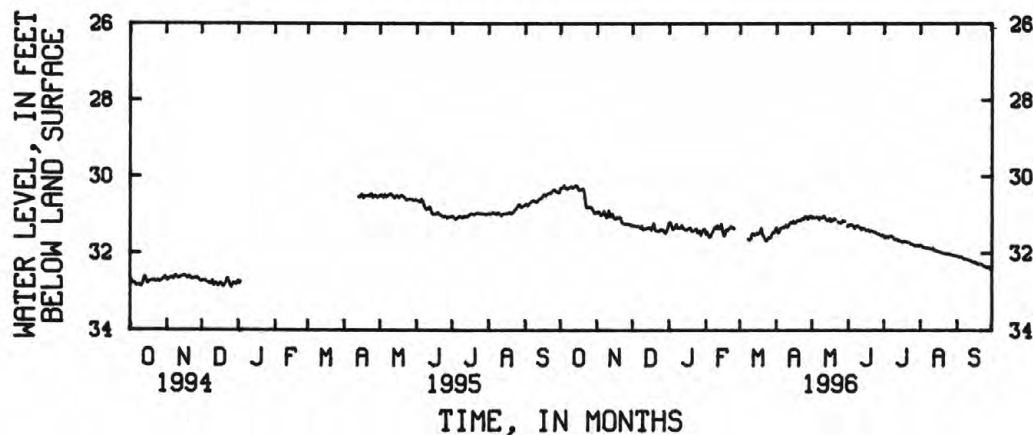
DATUM.--Land-surface datum is 208.02 ft above sea level. Measuring point: Opening in casing, 0.60 ft above land-surface datum.

PERIOD OF RECORD.--April 1988 to June 1991, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 24.56 ft below land-surface datum, May 3, 1993; lowest, 35.04 ft below land-surface datum, Apr. 1, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.29	30.97	31.28	31.21	31.52	---	31.33	31.09	31.27	31.59	31.80	32.10
2	30.31	30.93	31.30	31.20	31.45	---	31.49	31.06	31.29	31.61	31.83	32.10
3	30.29	30.94	31.30	31.28	31.52	---	31.46	31.08	31.26	31.57	31.85	32.11
4	30.23	31.03	31.30	31.39	31.61	---	31.36	31.07	31.28	31.61	31.87	32.11
5	30.30	31.02	31.32	31.38	31.59	---	31.36	31.06	31.29	31.60	31.88	32.11
6	30.32	30.99	31.31	31.34	31.50	---	31.32	31.07	31.36	31.56	31.88	32.15
7	30.33	30.91	31.33	31.25	31.46	---	31.33	31.13	31.32	31.57	31.88	32.16
8	30.29	31.02	31.36	31.35	31.36	31.64	31.32	31.07	31.30	31.57	31.89	32.16
9	30.28	31.09	31.30	31.34	31.32	31.68	31.27	31.08	31.29	31.61	31.89	32.18
10	30.27	31.03	31.40	31.35	31.36	31.65	31.33	31.08	31.33	31.65	31.91	32.19
11	30.30	30.90	31.38	31.34	31.28	31.51	31.29	31.02	31.34	31.65	31.91	32.19
12	30.29	31.06	31.38	31.28	31.37	31.49	31.23	31.08	31.40	31.64	31.89	32.21
13	30.27	31.02	31.37	31.37	31.37	31.53	31.19	31.12	31.35	31.69	31.94	32.21
14	30.23	30.98	31.34	31.38	31.24	31.53	31.22	31.16	31.36	31.68	31.95	32.24
15	30.26	31.09	31.35	31.40	31.40	31.48	31.17	31.13	31.39	31.69	31.96	32.26
16	30.34	31.10	31.34	31.40	31.55	31.51	31.21	31.09	31.42	31.71	31.97	32.24
17	30.37	31.12	31.42	31.38	31.56	31.50	31.21	31.18	31.40	31.72	31.98	32.25
18	30.35	31.07	31.35	31.35	31.39	31.46	31.18	31.12	31.40	31.70	31.99	32.30
19	30.35	31.09	31.22	31.35	31.42	31.35	31.15	31.14	31.45	31.70	32.01	32.28
20	30.31	31.09	31.40	31.44	31.38	31.54	31.14	31.10	31.42	31.71	32.01	32.30
21	30.41	31.07	31.44	31.43	31.37	31.57	31.15	31.12	31.43	31.73	32.01	32.28
22	30.72	31.23	31.43	31.43	31.31	31.64	31.12	---	31.44	31.72	32.02	32.30
23	30.83	31.24	31.43	31.39	31.32	31.70	31.09	31.19	31.46	31.75	32.04	32.34
24	30.82	31.25	31.44	31.37	31.34	31.68	31.12	31.20	31.47	31.78	32.02	32.34
25	30.81	31.25	31.39	31.49	31.36	31.60	31.06	31.22	31.50	31.78	32.03	32.36
26	30.82	31.25	31.41	31.44	---	31.60	31.03	31.21	31.51	31.80	32.03	32.39
27	30.81	31.25	31.40	31.43	---	31.61	31.11	31.15	31.51	31.81	32.05	32.38
28	30.87	31.26	31.46	31.55	---	31.49	31.11	31.16	31.55	31.82	32.07	32.37
29	30.96	31.26	31.50	31.42	---	31.46	31.04	31.17	31.53	31.81	32.07	32.42
30	30.98	31.31	31.42	31.40	---	31.47	31.03	---	31.53	31.82	32.08	32.43
31	30.93	---	31.34	31.37	---	31.37	---	31.30	---	31.83	32.08	---
MEAN	30.48	31.09	31.37	31.37	---	---	31.21	---	31.39	31.69	31.96	32.25
MAX	30.98	31.31	31.50	31.55	---	---	31.49	---	31.55	31.83	32.08	32.43
MIN	30.23	30.90	31.22	31.20	---	---	31.03	---	31.26	31.56	31.80	32.10





## GROUND-WATER LEVELS

## BARNWELL COUNTY

331038081184201. Local number, BW-351.

LOCATION.--Lat 33°10'44'', long 81°18'51'', Hydrologic Unit 03050207, 50 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Tertiary System.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from 3 ft to 80 ft, 4 in from 38 to 95 ft, depth 95 ft, cased to 95 ft, screened interval 80-90 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

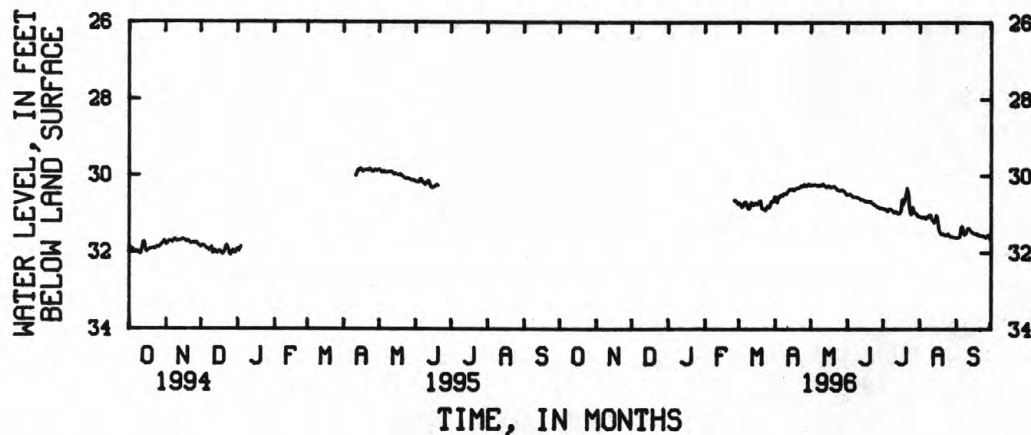
DATUM.--Land-surface datum is 208.27 ft above sea level. Measuring point: Opening in casing, .96 ft above land-surface datum.

PERIOD OF RECORD.--April 1988 to June 1991, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 23.93 ft below land-surface datum, May 12, 13, 1993; lowest, 34.32 ft below land-surface datum, Apr. 12, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	30.71	30.54	30.25	30.49	30.87	31.06	31.62
2	---	---	---	---	---	30.74	30.71	30.23	30.49	30.87	31.09	31.62
3	---	---	---	---	---	30.83	30.62	30.23	30.48	30.88	31.10	31.61
4	---	---	---	---	---	30.82	30.53	30.22	30.50	30.92	31.08	31.60
5	---	---	---	---	---	30.73	30.54	30.23	30.53	30.93	31.09	31.34
6	---	---	---	---	---	30.69	30.49	30.23	30.56	30.87	31.13	31.31
7	---	---	---	---	---	30.70	30.52	30.26	30.55	30.88	31.07	31.51
8	---	---	---	---	---	30.85	30.46	30.24	30.55	30.89	31.09	31.54
9	---	---	---	---	---	30.87	30.46	30.25	30.56	30.92	31.03	31.51
10	---	---	---	---	---	30.85	30.47	30.24	30.58	30.97	31.02	31.39
11	---	---	---	---	---	30.70	30.42	30.20	30.59	30.95	31.14	31.37
12	---	---	---	---	---	30.71	30.38	30.24	30.63	30.94	31.16	31.37
13	---	---	---	---	---	30.77	30.34	30.27	30.62	30.99	31.24	31.44
14	---	---	---	---	---	30.75	30.36	30.30	30.63	30.99	31.19	31.45
15	---	---	---	---	---	30.71	30.33	30.28	30.65	30.99	31.02	31.50
16	---	---	---	---	---	30.75	30.38	30.26	30.68	30.93	31.09	31.50
17	---	---	---	---	---	30.74	30.36	30.29	30.67	30.61	31.42	31.51
18	---	---	---	---	---	30.68	30.33	30.29	30.67	30.74	31.48	31.54
19	---	---	---	---	---	30.65	30.31	30.29	30.70	30.66	31.53	31.51
20	---	---	---	---	---	30.85	30.31	30.28	30.66	30.50	31.52	31.56
21	---	---	---	---	---	30.87	30.31	30.28	30.70	30.31	31.52	31.54
22	---	---	---	---	---	30.88	30.27	30.31	30.72	30.43	31.54	31.57
23	---	---	---	---	---	30.92	30.25	30.36	30.74	30.84	31.56	31.57
24	---	---	---	---	---	30.87	30.28	30.37	30.76	31.01	31.54	31.57
25	---	---	---	---	---	30.79	30.22	30.39	30.79	31.02	31.51	31.60
26	---	---	---	---	30.85	30.82	30.22	30.39	30.82	30.81	31.58	31.62
27	---	---	---	---	30.66	30.82	30.27	30.37	30.82	30.95	31.59	31.59
28	---	---	---	---	30.70	30.69	30.25	30.38	30.85	30.98	31.60	31.54
29	---	---	---	---	30.75	30.66	30.20	30.39	30.85	30.98	31.60	31.60
30	---	---	---	---	---	30.68	30.22	30.44	30.84	31.06	31.61	31.66
31	---	---	---	---	---	30.55	---	30.49	---	31.06	31.61	---
MEAN	---	---	---	---	---	30.76	30.38	30.30	30.66	30.86	31.32	31.52
MAX	---	---	---	---	---	30.92	30.71	30.49	30.85	31.06	31.61	31.66
MIN	---	---	---	---	---	30.55	30.20	30.20	30.48	30.31	31.02	31.31





## GROUND-WATER LEVELS

## BARNWELL COUNTY

331044081185301. Local number, BW-352.

LOCATION.--Lat 33°10'44'', long 81°18'51'', Hydrologic Unit 03050207, 100 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Lower Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 270 ft, 4 in 248 to 278 ft, depth 295 ft, cased to 293 ft, screened interval from 278 to 288 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

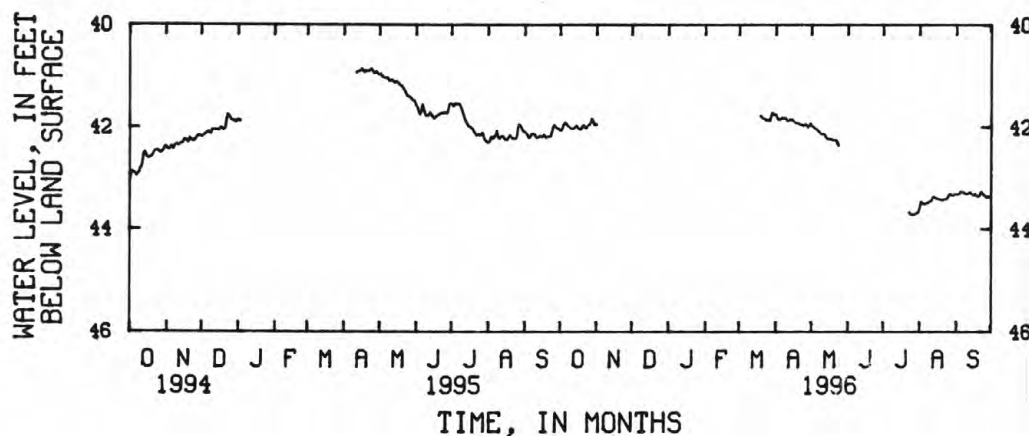
DATUM.--Land-surface datum is 205 ft above sea level. Measuring point: Opening in casing, 1.58 ft above land-surface datum.

PERIOD OF RECORD.--February 1989 to September 1990, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 38.63 ft below land-surface datum, Apr. 21, 1993; lowest, 46.03 ft below land-surface datum, July 17, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.06	41.95	---	---	---	---	41.75	41.97	---	---	43.59	43.32
2	42.06	---	---	---	---	---	41.83	41.99	---	---	43.46	43.32
3	42.01	---	---	---	---	---	41.86	42.01	---	---	43.49	43.32
4	41.93	---	---	---	---	---	41.84	42.02	---	---	43.50	43.30
5	41.90	---	---	---	---	---	41.85	42.04	---	---	43.51	43.26
6	41.94	---	---	---	---	---	41.81	42.06	---	---	43.51	43.27
7	41.97	---	---	---	---	---	41.82	42.09	---	---	43.49	43.28
8	41.98	---	---	---	---	---	41.83	42.11	---	---	43.49	43.29
9	42.01	---	---	---	---	---	41.82	42.13	---	---	43.47	43.31
10	42.03	---	---	---	---	---	41.87	42.15	---	---	43.46	43.32
11	42.03	---	---	---	---	---	41.88	42.13	---	---	43.45	43.31
12	42.03	---	---	---	---	---	41.87	42.15	---	---	43.38	43.29
13	42.02	---	---	---	---	---	41.85	42.20	---	---	43.37	43.28
14	41.98	---	---	---	---	---	41.87	42.23	---	---	43.38	43.32
15	41.97	---	---	---	---	---	41.85	42.25	---	---	43.40	43.34
16	42.02	---	---	---	---	---	41.88	42.24	---	---	43.40	43.33
17	42.04	---	---	---	---	---	41.91	42.24	---	---	43.41	43.31
18	42.04	---	---	---	---	---	41.92	42.25	---	---	43.42	43.35
19	42.04	---	---	---	---	41.78	41.92	42.26	---	---	43.43	43.35
20	41.97	---	---	---	---	41.81	41.92	42.26	---	---	43.43	43.36
21	41.96	---	---	---	---	41.83	41.95	42.26	---	---	43.43	43.33
22	42.00	---	---	---	---	41.83	41.96	42.27	---	---	43.42	43.25
23	42.02	---	---	---	---	41.85	41.95	42.33	---	43.68	43.42	43.30
24	41.99	---	---	---	---	41.87	41.98	42.36	---	43.72	43.41	43.32
25	41.96	---	---	---	---	41.85	41.97	---	---	43.72	43.37	43.34
26	41.95	---	---	---	---	41.87	41.93	---	---	43.72	43.32	43.37
27	41.91	---	---	---	---	41.87	41.97	---	---	43.73	43.31	43.38
28	41.83	---	---	---	---	41.74	42.01	---	---	43.72	43.33	43.36
29	41.89	---	---	---	---	41.71	41.99	---	---	43.70	43.33	43.37
30	41.95	---	---	---	---	41.76	41.92	---	---	43.69	43.33	43.38
31	41.95	---	---	---	---	41.75	---	---	---	43.67	43.32	---
MEAN	41.98	---	---	---	---	---	41.89	---	---	---	43.42	43.32
MAX	42.06	---	---	---	---	---	42.01	---	---	---	43.59	43.38
MIN	41.83	---	---	---	---	---	41.75	---	---	---	43.31	43.25



## GROUND-WATER LEVELS

## BARNWELL COUNTY

331043081185401. Local number, BW-353.

LOCATION.--Lat 33°10'44'', long 081°18'51'', Hydrologic Unit 03050207, 150 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Black Creek.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 565 ft, 4 in 543-573, 583-588 ft, depth 590 ft, cased to 588 ft, screened interval from 573 to 583 ft.

INSTRUMENTATION.--Data collection platform--60 minute punch interval.

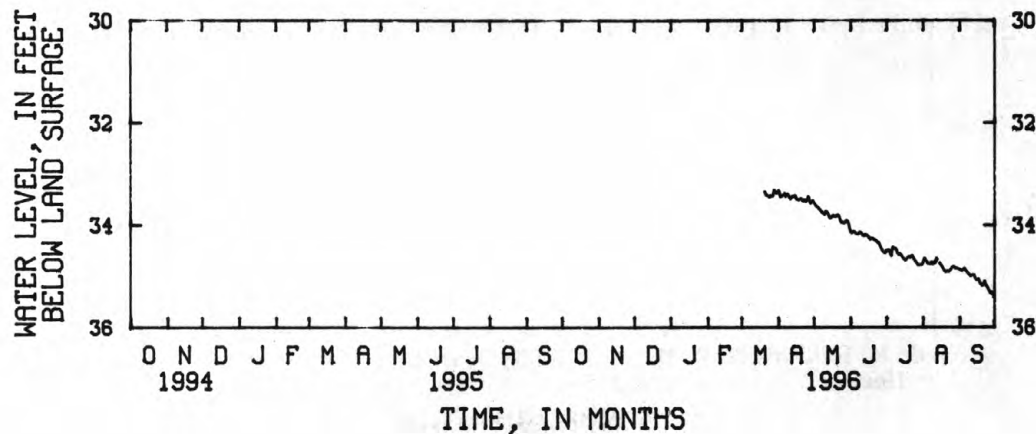
DATUM.--Land-surface datum is 205 ft above sea level. Measuring point: Opening in casing, 1.21 ft above land-surface datum.

PERIOD OF RECORD.--February 1989 to June 1991, April 1993 to June 1994, October 1995 to September 1996.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 31.48 ft below land-surface datum, Mar. 26, 1994; lowest, 36.94 ft below land-surface datum, Oct. 8, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	33.32	33.58	34.14	34.49	34.72	34.87
2	---	---	---	---	---	---	33.45	33.61	34.15	34.50	34.65	34.88
3	---	---	---	---	---	---	33.44	33.64	34.13	34.49	34.69	34.89
4	---	---	---	---	---	---	33.43	33.65	34.13	34.56	34.72	34.88
5	---	---	---	---	---	---	33.42	33.68	34.16	34.60	34.75	34.85
6	---	---	---	---	---	---	33.38	33.70	34.17	34.43	34.76	34.88
7	---	---	---	---	---	---	33.44	33.74	34.17	34.44	34.76	34.92
8	---	---	---	---	---	---	33.41	33.76	34.15	34.45	34.73	34.94
9	---	---	---	---	---	---	33.40	33.78	34.14	34.47	34.77	34.97
10	---	---	---	---	---	---	33.47	33.79	34.17	34.54	34.73	35.00
11	---	---	---	---	---	---	33.49	33.73	34.20	34.58	34.75	34.99
12	---	---	---	---	---	---	33.47	33.74	34.21	34.56	34.68	34.98
13	---	---	---	---	---	---	33.43	33.80	34.18	34.59	34.67	34.98
14	---	---	---	---	---	---	33.44	33.85	34.20	34.62	---	35.04
15	---	---	---	---	---	---	33.42	33.86	34.21	34.65	34.75	35.07
16	---	---	---	---	---	---	33.49	33.84	34.25	34.68	34.78	35.07
17	---	---	---	---	---	---	33.50	33.82	34.28	34.69	34.81	35.06
18	---	---	---	---	---	---	33.51	33.82	34.26	34.66	34.87	35.14
19	---	---	---	---	---	---	33.50	33.83	34.26	34.63	34.90	35.16
20	---	---	---	---	---	33.35	33.49	33.82	34.28	34.62	34.91	35.19
21	---	---	---	---	---	33.41	33.52	33.80	34.30	34.64	34.91	35.17
22	---	---	---	---	---	33.42	33.53	33.82	34.30	34.60	34.90	35.10
23	---	---	---	---	---	33.44	33.50	33.91	34.33	34.60	34.91	35.18
24	---	---	---	---	---	33.46	33.54	33.95	34.34	34.67	34.89	35.21
25	---	---	---	---	---	33.42	33.51	33.94	34.39	34.70	34.85	35.25
26	---	---	---	---	---	33.43	33.45	33.96	34.44	34.73	34.82	35.31
27	---	---	---	---	---	33.43	33.52	33.95	34.49	34.78	34.81	35.34
28	---	---	---	---	---	33.32	33.58	33.91	34.52	34.78	34.84	35.32
29	---	---	---	---	---	33.33	33.55	33.92	34.54	34.78	34.84	35.36
30	---	---	---	---	---	33.38	33.53	33.97	34.54	34.78	34.85	35.41
31	---	---	---	---	---	33.36	---	34.08	---	34.78	34.86	---
MEAN	---	---	---	---	---	---	33.47	33.81	34.27	34.62	---	35.08
MAX	---	---	---	---	---	---	33.58	34.08	34.54	34.78	---	35.41
MIN	---	---	---	---	---	---	33.32	33.58	34.13	34.43	---	34.85



## GROUND-WATER LEVELS

## BARNWELL COUNTY

331044081185401. Local number, BW-354.

LOCATION.--Lat 33°10'44'', long 81°18'51'', Hydrologic Unit 03050207, 100 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Lower Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 910 ft, 4 in from 878 to 914 ft, and 924 to 929 ft, depth 929 ft, cased to 929 ft, screened interval from 914 to 924 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

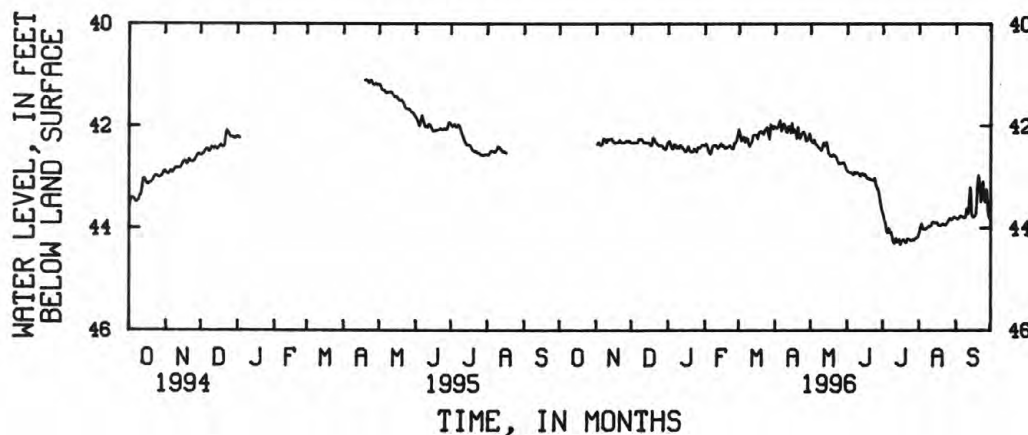
DATUM.--Land-surface datum is 207.63 ft above sea level. Measuring point: Opening in casing, 1.52 ft above land-surface datum.

PERIOD OF RECORD.--February 1989 to June 1991, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 38.95 ft below land-surface datum, Apr. 21, 22, 1993; lowest, 45.98 ft below land-surface datum, Aug. 20, 21, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	42.33	42.32	42.39	42.06	42.03	42.28	42.90	43.74	44.10	43.80
2	---	42.36	42.33	42.30	42.35	42.20	42.04	42.32	42.92	43.84	43.98	43.82
3	---	42.32	42.33	42.38	42.41	42.31	42.04	42.34	42.92	43.92	43.91	43.82
4	---	42.36	42.33	42.45	42.50	42.25	41.94	42.28	42.92	44.09	44.02	43.79
5	---	42.39	42.33	42.46	42.55	42.22	41.88	42.36	42.94	44.10	44.03	43.76
6	---	42.37	42.33	42.37	42.56	42.33	42.11	42.39	42.97	44.01	44.03	43.77
7	---	42.27	42.26	42.37	42.46	42.24	42.04	42.42	42.91	44.09	44.01	43.79
8	---	42.25	42.27	42.44	42.39	42.25	41.95	42.44	42.94	44.09	43.99	43.80
9	---	42.31	42.26	42.41	42.39	42.34	42.00	42.47	42.92	44.20	43.97	43.80
10	---	42.33	42.28	42.45	42.38	42.41	42.11	42.49	42.93	44.28	43.97	43.62
11	---	42.26	42.33	42.38	42.40	42.35	42.13	42.41	42.95	44.31	43.95	43.73
12	---	42.27	42.33	42.40	42.45	42.32	42.01	42.33	43.00	44.20	43.89	43.54
13	---	42.27	42.33	42.44	42.41	42.19	42.01	42.40	42.95	44.28	43.88	43.20
14	---	42.25	42.33	42.46	42.38	42.18	42.15	42.32	42.93	44.28	43.90	43.71
15	---	42.29	42.33	42.50	42.35	42.18	41.94	42.40	42.98	44.22	43.90	43.79
16	---	42.33	42.34	42.51	42.41	42.18	42.13	42.56	42.96	44.34	43.89	43.79
17	---	42.34	42.39	42.47	42.39	42.26	42.07	42.58	43.02	44.28	43.94	43.78
18	---	42.33	42.39	42.40	42.45	42.12	42.12	42.60	43.04	44.23	43.95	43.71
19	---	42.33	42.23	42.49	42.43	42.12	42.26	42.61	43.03	44.23	43.95	43.23
20	---	42.33	42.25	42.51	42.43	42.10	42.02	42.57	43.07	44.28	43.94	42.97
21	---	42.28	42.32	42.52	42.41	42.15	42.25	42.60	43.06	44.30	43.91	43.15
22	---	42.33	42.34	42.51	42.39	42.17	42.25	42.60	43.07	44.21	43.94	43.50
23	---	42.33	42.38	42.45	42.41	42.07	42.17	42.67	43.07	44.21	43.94	43.21
24	---	42.33	42.39	42.48	42.46	42.08	42.13	42.72	43.03	44.23	43.92	43.09
25	---	42.33	42.39	42.52	42.46	42.02	42.11	42.76	43.18	44.25	43.89	43.48
26	---	42.32	42.39	42.43	42.33	42.16	42.17	42.74	43.24	44.25	43.83	43.51
27	---	42.29	42.39	42.43	42.34	42.27	42.31	42.75	43.26	44.22	43.81	43.25
28	---	42.32	42.44	42.43	42.28	41.97	42.29	42.73	43.41	44.24	43.83	43.69
29	---	42.29	42.47	42.40	42.19	42.00	42.25	42.73	43.55	44.20	43.83	43.81
30	---	42.33	42.46	42.37	---	42.06	42.15	42.78	43.66	44.20	43.79	43.83
31	---	---	42.38	42.38	---	42.00	---	42.87	---	44.17	43.79	---
MEAN	---	---	42.34	42.43	42.41	42.18	42.10	42.53	43.06	44.18	43.93	43.59
MAX	---	---	42.47	42.52	42.56	42.41	42.31	42.87	43.66	44.34	44.10	43.83
MIN	---	---	42.23	42.30	42.19	41.97	41.88	42.28	42.90	43.74	43.79	42.97



## GROUND-WATER LEVELS

## BARNWELL COUNTY

331044081185501. Local number, BW-355.

LOCATION.--Lat 33°10'44'', long 81°18'55'', Hydrologic Unit 03050207, 150 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Lower Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 670 ft, 4 in 654 - 686 ft, 696 - 701 ft, depth 701 ft, screened interval from 686 to 696 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

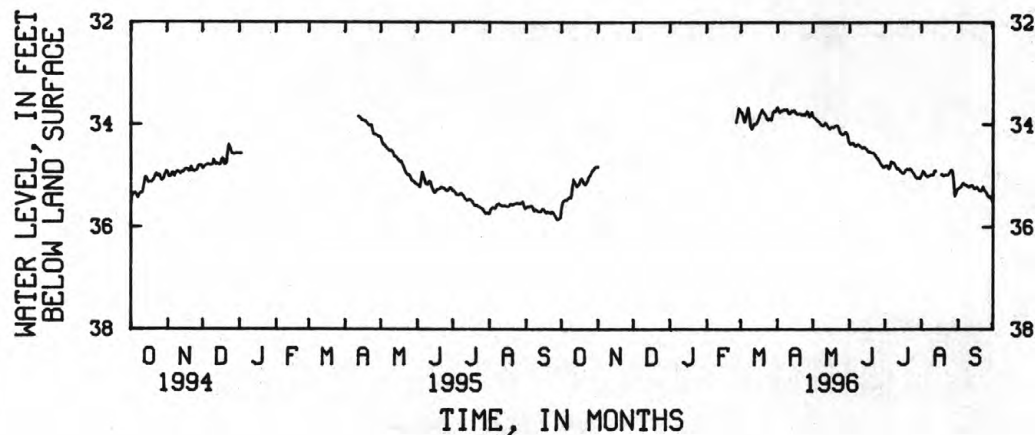
DATUM.--Land-surface datum is 210.05 ft above sea level. Measuring point: Opening in casing, 2.05 ft (revised) above land-surface datum.

PERIOD OF RECORD.--February 1989 to June 1991, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 32.54 ft below land-surface datum, Apr. 21, 22, 1993; lowest, 37.31 ft below land-surface datum, Oct. 8, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.62	34.82	---	---	---	33.75	33.65	33.84	34.38	34.82	35.00	35.25
2	35.51	---	---	---	---	33.77	33.74	33.86	34.39	34.81	34.91	35.24
3	35.49	---	---	---	---	33.88	33.77	33.89	34.36	34.81	34.94	35.22
4	35.46	---	---	---	---	33.96	33.73	33.91	34.37	34.88	34.98	35.19
5	35.47	---	---	---	---	33.89	33.73	33.93	34.41	34.85	35.01	35.14
6	35.46	---	---	---	---	33.76	33.71	33.95	34.43	34.72	35.03	35.16
7	35.43	---	---	---	---	33.66	33.71	33.99	34.41	34.74	35.01	35.18
8	35.42	---	---	---	---	33.83	33.72	34.01	34.39	34.75	35.01	35.18
9	35.43	---	---	---	---	34.04	33.70	34.02	34.40	34.77	34.99	35.21
10	35.24	---	---	---	---	34.10	33.77	34.03	34.43	34.83	34.99	35.23
11	35.06	---	---	---	---	34.05	33.79	33.97	34.45	34.88	34.99	35.21
12	35.12	---	---	---	---	33.99	33.76	33.97	34.47	34.86	34.91	35.19
13	35.17	---	---	---	---	33.99	33.73	34.03	34.44	34.89	34.91	35.19
14	35.22	---	---	---	---	33.99	33.74	34.07	34.46	34.92	---	35.24
15	35.18	---	---	---	---	33.94	33.72	34.09	34.48	34.95	---	35.26
16	35.17	---	---	---	---	33.88	33.75	34.06	34.52	34.96	---	35.24
17	35.07	---	---	---	---	33.80	33.79	34.05	34.55	34.96	---	35.22
18	35.05	---	---	---	---	33.75	33.80	34.06	34.54	34.92	34.98	35.27
19	35.11	---	---	---	---	33.70	33.79	34.05	34.55	34.88	35.00	35.29
20	35.15	---	---	---	---	33.76	33.78	34.03	34.56	34.87	35.01	35.31
21	35.18	---	---	---	---	33.78	33.81	34.02	34.56	34.89	35.00	35.28
22	35.15	---	---	---	---	33.82	33.81	34.03	34.58	34.87	34.99	35.21
23	35.09	---	---	---	---	33.89	33.79	34.11	34.63	34.88	35.00	35.28
24	35.02	---	---	---	---	33.92	33.82	34.17	34.66	34.93	34.97	35.31
25	34.99	---	---	---	---	33.89	33.79	34.20	34.68	34.96	34.94	35.34
26	34.96	---	---	---	33.95	33.90	33.73	34.20	34.73	35.00	34.89	35.40
27	34.90	---	---	---	33.84	33.91	33.79	34.20	34.77	35.04	34.90	35.43
28	34.88	---	---	---	33.67	33.77	33.85	34.16	34.80	35.06	35.06	35.41
29	34.84	---	---	---	33.72	33.73	33.82	34.15	34.84	35.05	35.41	35.45
30	34.83	---	---	---	---	33.75	33.75	34.20	34.84	35.06	35.35	35.50
31	34.83	---	---	---	---	33.71	---	34.33	---	35.06	35.28	---
MEAN	35.18	---	---	---	---	33.86	33.76	34.05	34.54	34.90	---	35.27
MAX	35.62	---	---	---	---	34.10	33.85	34.33	34.84	35.06	---	35.50
MIN	34.83	---	---	---	---	33.66	33.65	33.84	34.36	34.72	---	35.14





## GROUND-WATER LEVELS

## BARNWELL COUNTY

331043081185601. Local number, BW-356.

LOCATION.--Lat 33°10'44'', long 81°18'51'', Hydrologic Unit 03050207, 200 ft west of SC Highway 300, 2.95 mi southeast of junction with U.S. Highway 278.

Owner: South Caroling Department of Natural Resources.

AQUIFER.--Lower Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 910 ft, 4 in from 878 to 914 ft, and 924 to 929 ft, depth 929 ft, cased to 929 ft, screened interval from 914 to 924 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

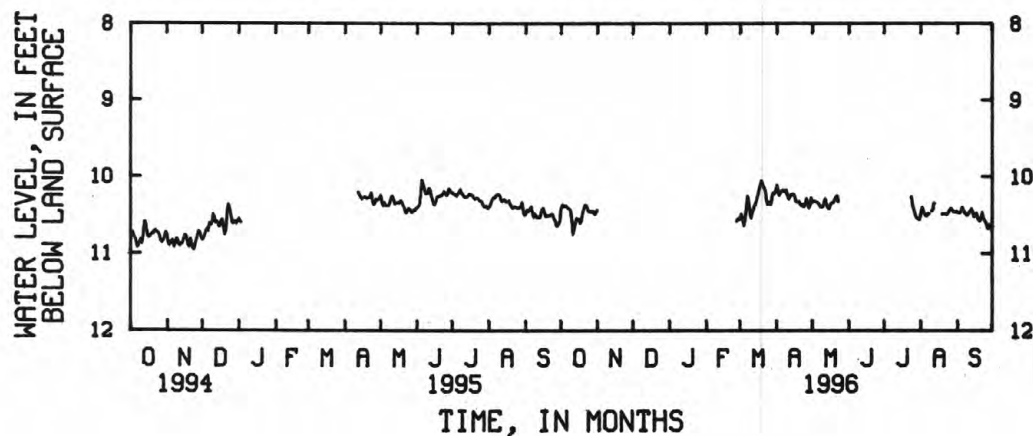
DATUM.--Land-surface datum is 210.04 ft above sea level. Measuring point: Opening in casing, 1.47 ft above land-surface datum.

PERIOD OF RECORD.--February 1989 to June 1991, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 9.76 ft below land-surface datum, May 13, 14, 1993; lowest, 14.80 ft below land-surface datum, Feb. 17, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.42	10.44	---	---	---	10.54	10.11	10.34	---	---	10.49	10.47
2	10.37	---	---	---	---	10.49	10.20	10.33	---	---	10.40	10.48
3	10.37	---	---	---	---	10.57	10.25	10.33	---	---	10.44	10.48
4	10.39	---	---	---	---	10.65	10.21	10.33	---	---	10.49	10.46
5	10.38	---	---	---	---	10.57	10.19	10.34	---	---	10.51	10.40
6	10.40	---	---	---	---	10.40	10.18	10.35	---	---	10.52	10.43
7	10.41	---	---	---	---	10.25	10.18	10.38	---	---	10.49	10.48
8	10.42	---	---	---	---	10.33	10.20	10.40	---	---	10.49	10.49
9	10.44	---	---	---	---	10.46	10.18	10.40	---	---	---	10.51
10	10.59	---	---	---	---	10.55	10.27	10.40	---	---	10.45	10.50
11	10.76	---	---	---	---	10.47	10.30	10.32	---	---	10.44	10.47
12	10.68	---	---	---	---	10.43	10.27	10.29	---	---	10.35	10.45
13	10.62	---	---	---	---	10.38	10.24	10.37	---	---	10.35	10.42
14	10.54	---	---	---	---	10.36	10.24	10.41	---	---	---	10.48
15	10.55	---	---	---	---	10.29	10.23	10.43	---	---	---	10.53
16	10.55	---	---	---	---	10.23	10.25	10.40	---	---	---	10.52
17	10.61	---	---	---	---	10.16	10.33	10.35	---	---	---	10.48
18	10.59	---	---	---	---	10.11	10.34	10.35	---	---	---	10.55
19	10.49	---	---	---	---	10.05	10.34	10.34	---	---	10.49	10.57
20	10.43	---	---	---	---	10.10	10.33	10.30	---	---	10.49	10.59
21	10.37	---	---	---	---	10.14	10.37	10.27	---	---	10.49	10.56
22	10.37	---	---	---	---	10.18	10.39	10.25	---	---	10.49	10.47
23	10.39	---	---	---	---	10.31	10.37	10.33	---	---	10.50	10.55
24	10.45	---	---	---	---	10.37	10.40	---	---	10.27	10.48	10.58
25	10.46	---	---	---	---	10.36	10.37	---	---	10.38	10.45	10.60
26	10.45	---	---	---	---	10.34	10.29	---	---	10.43	10.42	10.66
27	10.47	---	---	---	10.58	10.37	10.35	---	---	10.50	10.42	10.69
28	10.45	---	---	---	10.55	10.25	10.42	---	---	10.54	10.45	10.63
29	10.47	---	---	---	10.56	10.21	10.38	---	---	10.55	10.46	10.65
30	10.50	---	---	---	---	10.23	10.28	---	---	10.56	10.47	10.70
31	10.46	---	---	---	---	10.19	---	---	---	10.57	10.46	---
MEAN	10.48	---	---	---	---	10.33	10.28	---	---	---	---	10.53
MAX	10.76	---	---	---	---	10.65	10.42	---	---	---	---	10.70
MIN	10.37	---	---	---	---	10.05	10.11	---	---	---	---	10.40





## GROUND-WATER LEVELS

## BARNWELL COUNTY

331914081242801. Local number, BW-358.

LOCATION.--Lat 33°19'16'', long 81°24'24'', Hydrologic Unit 03050207, on loggin road approximately 0.5 mi off Cedar Tree Road and approximately 1.5 mi west of U.S. Highway 278.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Middendorf.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 825 ft, 4 in from 800 to 831, 841-847 ft, depth 847 ft, cased to 847 ft, screened interval 831-841 ft.

INSTRUMENTATION.--Data collection platform--60 minute punch interval.

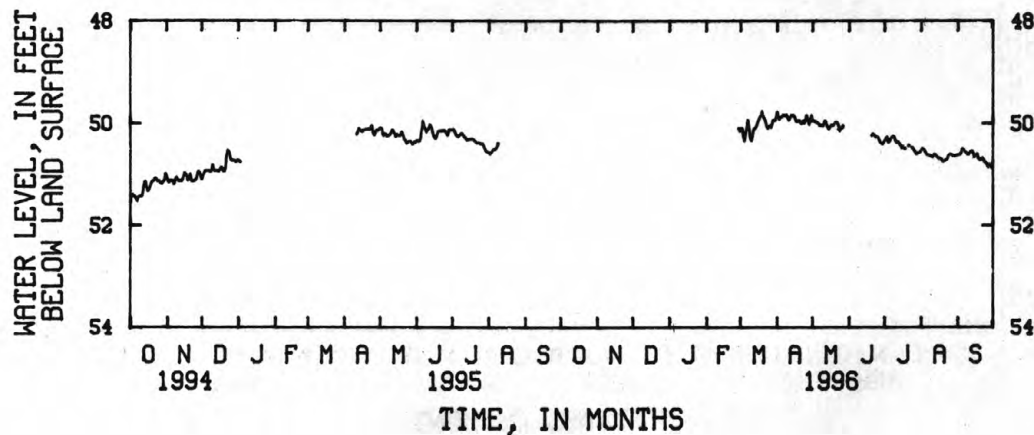
DATUM.--Land-surface datum is 270 ft above sea level. Measuring point: Opening in casing, 1.45 ft above land-surface datum.

PERIOD OF RECORD.--February 1989 to June 1991, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 49.76 ft below land-surface datum, Mar. 19, 1996; lowest, 54.04 ft below land-surface datum, several days in Oct. and Nov. 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	50.11	49.77	49.95	---	50.34	50.53	50.63
2	---	---	---	---	---	50.09	49.90	49.95	---	50.30	50.50	50.62
3	---	---	---	---	---	50.24	49.93	49.97	---	50.27	50.52	50.61
4	---	---	---	---	---	50.35	49.88	49.97	---	50.37	50.55	50.58
5	---	---	---	---	---	50.24	49.87	49.99	---	50.37	50.59	50.50
6	---	---	---	---	---	50.06	49.83	50.00	---	50.30	50.62	50.53
7	---	---	---	---	---	49.93	49.84	50.05	---	50.29	50.63	50.56
8	---	---	---	---	---	50.10	49.85	50.04	---	50.25	50.65	50.58
9	---	---	---	---	---	50.28	49.82	50.05	---	50.26	50.64	50.60
10	---	---	---	---	---	50.35	49.91	50.05	---	50.33	50.66	50.62
11	---	---	---	---	---	50.23	49.94	49.96	---	50.39	50.67	50.59
12	---	---	---	---	---	50.11	49.89	49.96	---	50.36	50.61	50.56
13	---	---	---	---	---	50.10	49.84	50.04	---	50.38	50.62	50.54
14	---	---	---	---	---	50.07	49.86	50.10	---	50.43	50.66	50.61
15	---	---	---	---	---	49.98	49.83	50.12	---	50.45	50.68	50.66
16	---	---	---	---	---	49.93	49.88	50.07	---	50.48	50.70	---
17	---	---	---	---	---	49.89	49.95	50.04	---	---	50.69	50.61
18	---	---	---	---	---	49.84	49.97	50.05	---	50.50	50.72	50.69
19	---	---	---	---	---	49.76	49.95	50.02	---	---	50.75	50.71
20	---	---	---	---	---	49.86	49.95	49.99	50.24	---	50.76	50.73
21	---	---	---	---	---	49.90	50.00	49.98	50.21	50.44	50.74	50.70
22	---	---	---	---	---	49.96	50.00	49.98	50.23	50.44	50.73	50.69
23	---	---	---	---	---	50.06	49.95	50.09	50.26	---	50.71	50.75
24	---	---	---	---	---	50.11	50.00	50.15	50.27	50.48	50.64	50.77
25	---	---	---	---	---	50.05	49.94	50.08	50.27	50.51	50.62	50.79
26	---	---	---	---	---	50.06	49.84	50.09	50.32	50.54	50.61	50.86
27	---	---	---	---	---	50.09	49.94	50.05	50.37	50.58	50.62	50.87
28	---	---	---	---	50.10	49.95	50.02	---	50.39	50.61	50.64	50.81
29	---	---	---	---	50.15	49.92	49.96	---	50.41	50.59	50.64	50.84
30	---	---	---	---	---	49.94	49.84	---	50.39	50.58	50.64	50.88
31	---	---	---	---	---	49.86	---	---	---	50.58	50.63	---
MEAN	---	---	---	---	---	50.05	49.90	---	---	---	50.64	---
MAX	---	---	---	---	---	50.35	50.02	---	---	---	50.76	---
MIN	---	---	---	---	---	49.76	49.77	---	---	---	50.50	---



## GROUND-WATER LEVELS

## BARNWELL COUNTY

331916081242801. Local number, BW-359.

LOCATION.--Lat 33°19'16'', long 81°24'24'', Hydrologic Unit 03050207, on logging road approximately 0.5 mi off Cedar Tree Road and approximately 1.5 mi west of U.S. Highway 278.

Owner: South Carolina. Department of Natural Resources.

AQUIFER.--Congaree Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 190 ft, 4 in 169-199, 209-214 ft, depth 214 ft, cased to 214 ft, screened interval 199-209 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

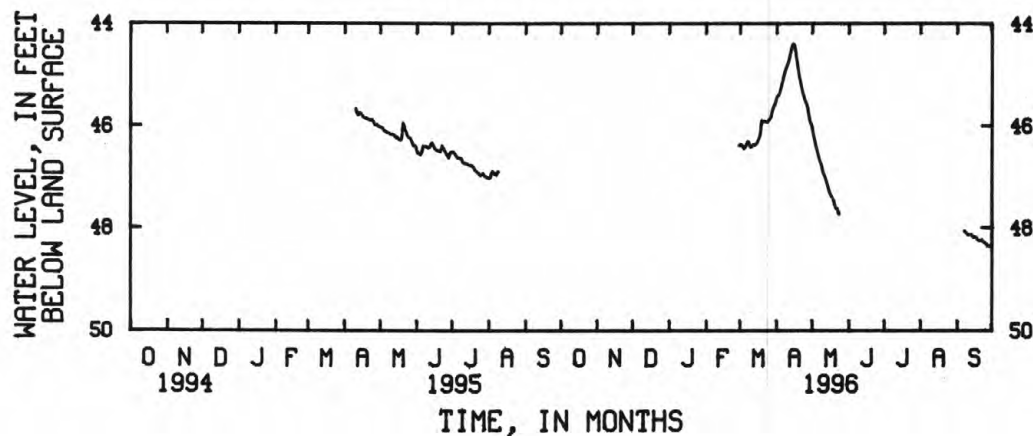
DATUM.--Land-surface datum is 270 ft above sea level. Measuring point: Opening in casing, 1.34 ft above land-surface datum.

PERIOD OF RECORD.--February 1989 to June 1991, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 44.39 ft below land-surface datum, Apr. 15, 1996; lowest, 52.54 ft below land-surface datum, Oct. 9, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	46.38	45.43	46.10	---	---	---	---
2	---	---	---	---	---	46.36	45.41	46.22	---	---	---	---
3	---	---	---	---	---	46.40	45.38	46.31	---	---	---	---
4	---	---	---	---	---	46.45	45.31	46.43	---	---	---	---
5	---	---	---	---	---	46.44	45.21	46.50	---	---	---	---
6	---	---	---	---	---	46.38	45.09	46.59	---	---	---	---
7	---	---	---	---	---	46.30	44.99	46.70	---	---	---	48.07
8	---	---	---	---	---	46.31	44.92	46.74	---	---	---	48.10
9	---	---	---	---	---	46.39	44.84	46.82	---	---	---	48.12
10	---	---	---	---	---	46.42	44.80	46.92	---	---	---	48.14
11	---	---	---	---	---	46.40	44.74	46.98	---	---	---	48.14
12	---	---	---	---	---	46.37	44.62	47.03	---	---	---	48.14
13	---	---	---	---	---	46.37	44.52	47.13	---	---	---	48.14
14	---	---	---	---	---	46.37	44.42	47.21	---	---	---	48.18
15	---	---	---	---	---	46.34	44.39	47.29	---	---	---	48.20
16	---	---	---	---	---	46.29	44.42	47.34	---	---	---	48.19
17	---	---	---	---	---	46.25	44.58	47.39	---	---	---	48.19
18	---	---	---	---	---	46.13	44.78	47.44	---	---	---	48.23
19	---	---	---	---	---	45.89	44.94	47.48	---	---	---	48.25
20	---	---	---	---	---	45.91	45.07	47.58	---	---	---	48.26
21	---	---	---	---	---	45.91	45.19	47.63	---	---	---	48.26
22	---	---	---	---	---	45.91	45.30	47.63	---	---	---	48.24
23	---	---	---	---	---	45.92	45.38	47.74	---	---	---	48.28
24	---	---	---	---	---	45.92	45.47	47.73	---	---	---	48.29
25	---	---	---	---	---	45.89	45.54	---	---	---	---	48.31
26	---	---	---	---	---	45.86	45.58	---	---	---	---	48.34
27	---	---	---	---	---	45.83	45.69	---	---	---	---	48.36
28	---	---	---	---	---	45.72	45.83	---	---	---	---	48.36
29	---	---	---	---	46.38	45.64	45.95	---	---	---	---	48.37
30	---	---	---	---	---	45.60	45.97	---	---	---	---	48.38
31	---	---	---	---	---	45.53	---	---	---	---	---	---
MEAN	---	---	---	---	---	46.13	45.13	---	---	---	---	---
MAX	---	---	---	---	---	46.45	45.97	---	---	---	---	---
MIN	---	---	---	---	---	45.53	44.39	---	---	---	---	---



## GROUND-WATER LEVELS

## BARNWELL COUNTY

3319159081242801. Local number, BW-360.

LOCATION.--Lat 33°19'16'', long 81°24'24'', Hydrologic Unit 03050207, on loggin road approximately 0.5 mi off Cedar Tree Road and approximately 1.5 mi west of U.S. Highway 278.

Owner: South Carolina. Department of Natural Resources.

AQUIFER.--Barnwell.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 115 ft, 4 in 92-125, 134-140, depth 140 ft, cased to 140 ft, screened interval 125-134 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

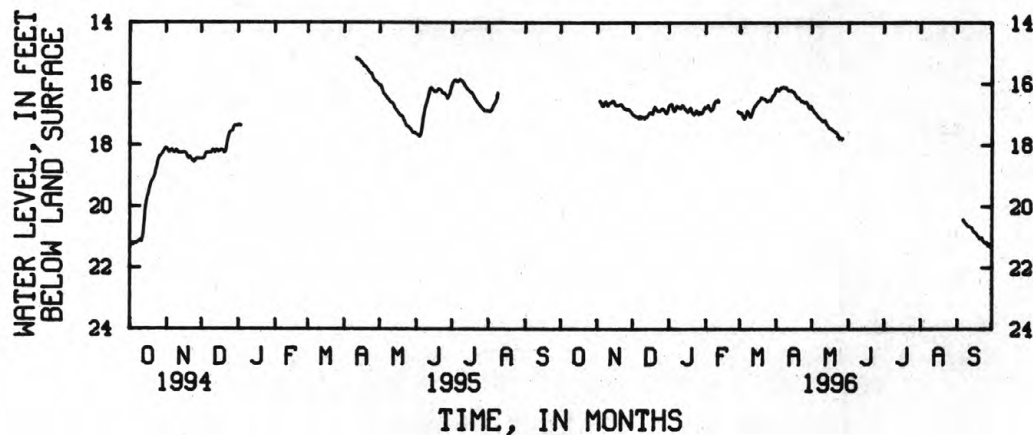
DATUM.--Land-surface datum is 270 ft above sea level. Measuring point: Opening in casing, 1.29 ft above land-surface datum.

PERIOD OF RECORD.--February 1989 to June 1991. May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 14.15 ft below land-surface datum, May 22, 1993; lowest, 26.92 ft below land-surface datum, Feb. 19, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	17.02	16.71	16.79	16.97	16.15	16.82	---	---	---	---
2	---	---	17.02	16.67	16.76	16.95	16.20	16.89	---	---	---	---
3	---	16.56	17.07	16.65	16.69	17.03	16.22	16.94	---	---	---	---
4	---	16.61	17.07	16.79	16.80	17.14	16.17	16.98	---	---	---	---
5	---	16.72	17.09	16.89	16.89	17.14	16.12	17.03	---	---	---	---
6	---	16.72	17.15	16.88	16.86	17.01	16.12	17.08	---	---	---	20.43
7	---	16.62	17.05	16.73	16.80	16.88	16.09	17.13	---	---	---	20.50
8	---	16.58	17.14	16.72	16.67	16.93	16.13	17.15	---	---	---	20.55
9	---	16.69	17.08	16.79	16.56	17.06	16.11	17.20	---	---	---	20.59
10	---	16.72	17.09	16.76	16.57	17.09	16.19	17.24	---	---	---	20.64
11	---	16.63	17.15	16.81	16.52	17.00	16.22	17.22	---	---	---	20.65
12	---	16.61	17.08	16.70	16.57	16.84	16.23	17.21	---	---	---	20.66
13	---	16.62	17.08	16.72	---	16.75	16.21	17.31	---	---	---	20.68
14	---	16.55	17.02	16.80	---	16.71	16.23	17.37	---	---	---	20.76
15	---	16.57	16.96	16.85	---	16.64	16.25	17.45	---	---	---	20.83
16	---	16.67	16.92	16.90	---	16.59	16.29	17.46	---	---	---	20.85
17	---	16.71	16.97	16.92	---	16.56	16.37	17.47	---	---	---	20.88
18	---	16.71	16.99	16.86	---	16.52	16.43	17.51	---	---	---	20.95
19	---	16.70	16.79	16.77	---	16.43	16.47	17.54	---	---	---	21.00
20	---	16.70	16.74	16.90	---	16.46	16.46	17.56	---	---	---	21.05
21	---	16.66	16.85	16.96	---	16.47	16.53	17.59	---	---	---	21.07
22	---	16.72	16.88	17.02	---	16.49	16.57	17.63	---	---	---	21.02
23	---	16.78	16.89	16.97	---	16.53	16.56	17.72	---	---	---	21.14
24	---	16.82	16.89	16.86	---	16.57	16.60	17.81	---	---	---	21.18
25	---	16.82	16.86	16.95	---	16.55	16.62	17.77	---	---	---	21.21
26	---	16.86	16.82	17.01	---	16.52	16.59	17.81	---	---	---	21.17
27	---	16.83	16.82	16.91	---	16.55	16.64	17.80	---	---	---	21.30
28	---	16.87	16.87	16.98	16.90	16.45	16.75	---	---	---	---	21.24
29	---	16.89	16.94	16.95	16.94	16.37	16.81	---	---	---	---	21.33
30	---	16.96	16.96	16.86	---	16.35	16.72	---	---	---	---	21.35
31	---	---	16.87	16.75	---	16.28	---	---	---	---	---	---
MEAN	---	---	16.97	16.84	---	16.70	16.37	---	---	---	---	---
MAX	---	---	17.15	17.02	---	17.14	16.81	---	---	---	---	---
MIN	---	---	16.74	16.65	---	16.28	16.09	---	---	---	---	---



## GROUND-WATER LEVELS

## BARNWELL COUNTY

331903081242702. Local number, BW-365.

LOCATION.--Lat 33°19'16'', long 81°24'24'', Hydrologic Unit 03050207, on loggin road approximately 0.5 mi off Cedar Tree Road and approximately 1.5 mi west of U.S. Highway 278.

Owner: South Carolina. Department of Natural Resources.

AQUIFER.--Black Creek.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 505 ft, 4 in from 482 to 539 ft, depth 539 ft, cased 539 ft, screened interval from 524 to 534 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

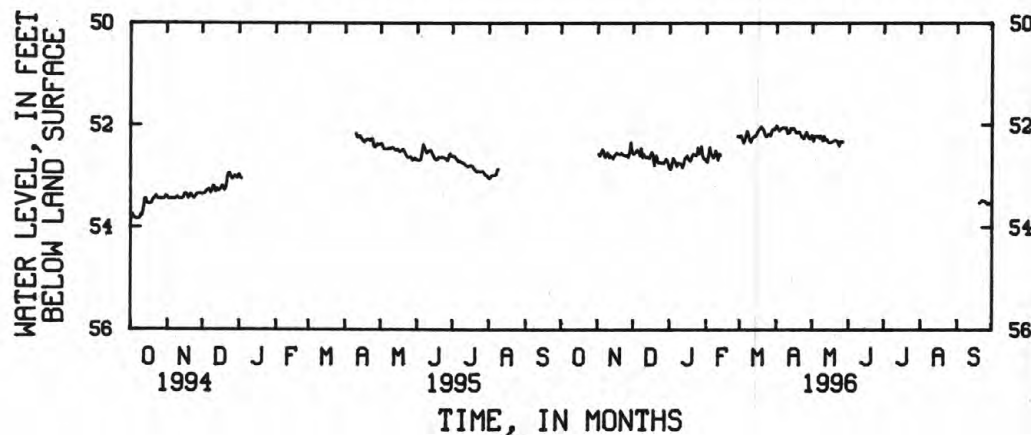
DATUM.--Land-surface datum is 263.52 ft above sea level. Measuring point: Opening in casing, 2.41 ft above land-surface datum.

PERIOD OF RECORD.--May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 51.57 ft below land-surface datum, May 22, 1993; lowest, 53.95 ft below land-surface datum, Sept. 23, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	52.58	52.87	52.72	52.22	52.01	52.20	---	---	---	---
2	---	52.57	52.57	52.88	52.74	52.21	52.08	52.33	---	---	---	---
3	---	52.61	52.55	52.78	52.62	52.30	52.12	52.24	---	---	---	---
4	---	52.55	52.50	52.64	52.43	52.36	52.09	52.21	---	---	---	---
5	---	52.48	52.49	52.68	52.56	52.31	52.08	52.24	---	---	---	---
6	---	52.53	52.56	52.73	52.60	52.21	52.05	52.22	---	---	---	---
7	---	52.64	52.61	52.82	52.66	52.11	52.05	52.27	---	---	---	---
8	---	52.63	52.45	52.75	52.61	52.20	52.06	52.21	---	---	---	---
9	---	52.55	52.65	52.77	52.50	52.31	52.05	52.25	---	---	---	---
10	---	52.56	52.57	52.76	52.56	52.34	52.18	52.32	---	---	---	---
11	---	52.65	52.62	52.77	52.70	52.28	52.12	52.22	---	---	---	---
12	---	52.61	52.65	52.85	52.56	52.24	52.16	52.29	---	---	---	---
13	---	52.62	52.63	52.75	52.60	52.23	52.06	52.28	---	---	---	---
14	---	52.67	52.65	52.65	---	52.22	52.08	52.33	---	---	---	---
15	---	52.62	52.66	52.65	---	52.17	52.06	52.34	---	---	---	---
16	---	52.58	52.59	52.60	---	52.13	52.09	52.34	---	---	---	---
17	---	52.55	52.53	52.66	---	52.09	52.14	52.35	---	---	---	---
18	---	52.56	52.58	52.71	---	52.06	52.16	52.33	---	---	---	---
19	---	52.57	52.81	52.71	---	52.03	52.15	52.32	---	---	---	---
20	---	52.58	52.63	52.62	---	52.07	52.14	52.31	---	---	---	53.53
21	---	52.55	52.60	52.56	---	52.11	52.18	52.30	---	---	---	53.52
22	---	52.58	52.75	52.58	---	52.21	52.24	52.31	---	---	---	53.48
23	---	52.59	52.74	52.59	---	52.23	52.25	52.38	---	---	---	53.49
24	---	52.60	52.74	52.60	---	52.21	52.28	52.42	---	---	---	53.50
25	---	52.61	52.76	52.44	---	52.18	52.20	52.32	---	---	---	53.50
26	---	52.60	52.74	52.57	---	52.20	52.14	52.34	---	---	---	53.55
27	---	52.64	52.76	52.54	---	52.21	52.20	52.33	---	---	---	53.56
28	---	52.53	52.73	52.41	52.22	52.10	52.26	---	---	---	---	53.53
29	---	52.33	52.67	52.62	52.24	52.08	52.28	---	---	---	---	53.55
30	---	52.51	52.69	52.67	---	52.10	52.22	---	---	---	---	53.56
31	---	---	52.77	52.67	---	52.06	---	---	---	---	---	---
MEAN	---	---	52.64	52.67	---	52.19	52.14	---	---	---	---	---
MAX	---	---	52.81	52.88	---	52.36	52.28	---	---	---	---	---
MIN	---	---	52.45	52.41	---	52.03	52.01	---	---	---	---	---



## GROUND-WATER LEVELS

## BARNWELL COUNTY

331901081242801. Local number, BW-366.

LOCATION.--Lat 33°19'16'', long 81°24'24'', Hydrologic Unit 03050207, on loggin road approximately 0.5 mi off Cedar Tree Road and approximately 1.5 mi west of U.S. Highway 278.

Owner: South Carolina. Department of Natural Resources.

AQUIFER.--Middendorf.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 688 ft, 4 in from 658 to 715, depth 715 ft, cased to 715 ft, screened interval 700-710 ft.

INSTRUMENTATION.--Data collection platform--60 minute punch interval.

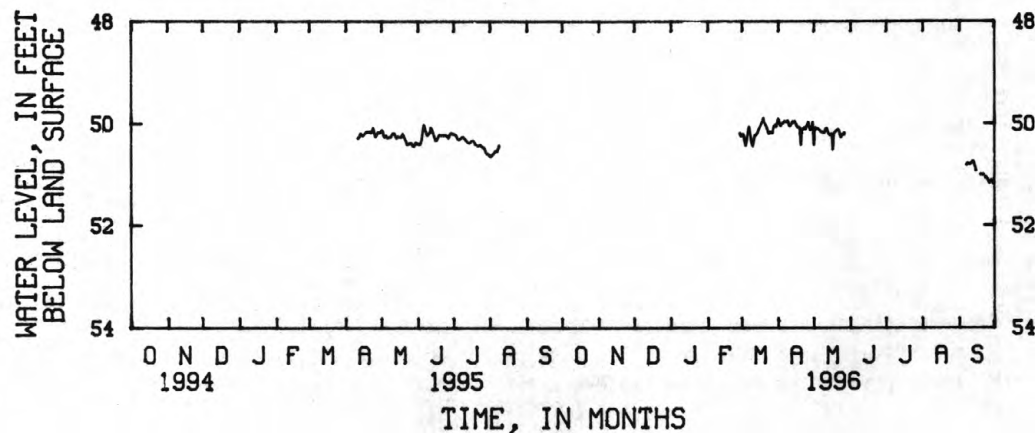
DATUM.--Land-surface datum is 265 ft above sea level. Measuring point: Opening in casing, 2.32 ft above land-surface datum.

PERIOD OF RECORD.--May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 49.89 ft below land-surface datum, Mar. 19, 1996; lowest, 51.67 ft below land-surface datum, Sept. 13, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	50.23	49.90	50.43	---	---	---	---
2	---	---	---	---	---	50.21	50.01	50.07	---	---	---	---
3	---	---	---	---	---	50.34	50.05	50.09	---	---	---	---
4	---	---	---	---	---	50.44	49.99	50.09	---	---	---	---
5	---	---	---	---	---	50.34	49.99	50.11	---	---	---	---
6	---	---	---	---	---	50.18	49.95	50.13	---	---	---	---
7	---	---	---	---	---	50.06	49.96	50.16	---	---	---	50.82
8	---	---	---	---	---	50.22	49.96	50.16	---	---	---	50.79
9	---	---	---	---	---	50.38	49.94	50.17	---	---	---	50.80
10	---	---	---	---	---	50.45	50.03	50.18	---	---	---	50.81
11	---	---	---	---	---	50.33	50.05	50.10	---	---	---	50.78
12	---	---	---	---	---	50.23	50.01	50.09	---	---	---	50.76
13	---	---	---	---	---	50.22	49.96	50.17	---	---	---	50.76
14	---	---	---	---	---	50.19	49.98	50.22	---	---	---	50.86
15	---	---	---	---	---	50.11	49.95	50.24	---	---	---	50.93
16	---	---	---	---	---	50.07	50.00	50.20	---	---	---	---
17	---	---	---	---	---	50.03	50.06	50.53	---	---	---	---
18	---	---	---	---	---	49.97	50.08	50.18	---	---	---	---
19	---	---	---	---	---	49.89	50.07	50.16	---	---	---	51.01
20	---	---	---	---	---	49.98	50.43	50.13	---	---	---	---
21	---	---	---	---	---	50.02	50.11	50.11	---	---	---	51.01
22	---	---	---	---	---	50.08	50.11	50.12	---	---	---	---
23	---	---	---	---	---	50.17	50.07	50.22	---	---	---	51.07
24	---	---	---	---	---	50.21	50.11	50.28	---	---	---	51.08
25	---	---	---	---	---	50.16	50.06	50.21	---	---	---	51.11
26	---	---	---	---	---	50.17	49.96	50.22	---	---	---	51.17
27	---	---	---	---	---	50.20	50.06	50.19	---	---	---	51.18
28	---	---	---	---	50.20	50.06	50.13	---	---	---	---	51.12
29	---	---	---	---	50.25	50.03	50.07	---	---	---	---	51.16
30	---	---	---	---	---	50.06	49.96	---	---	---	---	51.19
31	---	---	---	---	---	49.98	---	---	---	---	---	---
MEAN	---	---	---	---	---	50.16	50.03	---	---	---	---	---
MAX	---	---	---	---	---	50.45	50.43	---	---	---	---	---
MIN	---	---	---	---	---	49.89	49.90	---	---	---	---	---





## GROUND-WATER LEVELS

## BARNWELL COUNTY

331902081242804. Local number, BW-367.

LOCATION.--Lat 33°19'02'', long 81°24'28'', Hydrologic Unit 03050207, on logging road approximately 0.5 mi off Cedar Tree Road and approximately 1.5 mi west of U.S. Highway 278.

Owner: South Carolina. Department of Natural Resources.

AQUIFER.--Congaree Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 255 ft, 4 in from 206 to 285, depth 285 ft, cased to 285 ft, screened interval 270-280 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

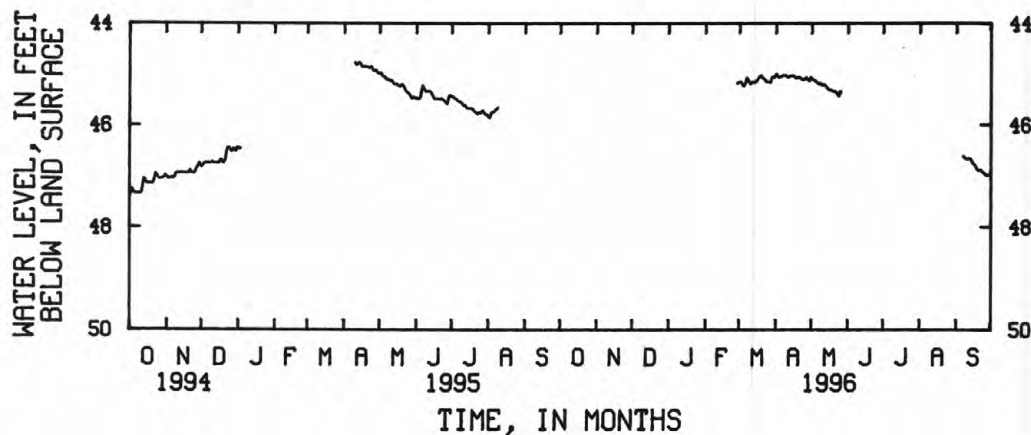
DATUM.--Land-surface datum is 265 ft above sea level. Measuring point: Opening in casing, 1.94 ft above land-surface datum.

PERIOD OF RECORD.--May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 43.64 ft below land-surface datum, May 21 - 24, 1993; lowest, 47.44 ft below land-surface datum, Oct. 1, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	45.15	44.99	45.09	---	---	---	---
2	---	---	---	---	---	45.15	45.04	45.10	---	---	---	---
3	---	---	---	---	---	45.19	45.06	45.12	---	---	---	---
4	---	---	---	---	---	45.24	45.05	45.14	---	---	---	---
5	---	---	---	---	---	45.22	45.05	45.16	---	---	---	---
6	---	---	---	---	---	45.15	45.03	45.18	---	---	---	---
7	---	---	---	---	---	45.06	45.02	45.20	---	---	---	46.63
8	---	---	---	---	---	45.10	45.03	45.18	---	---	---	46.65
9	---	---	---	---	---	45.16	45.02	45.20	---	---	---	46.67
10	---	---	---	---	---	45.20	45.05	45.22	---	---	---	46.68
11	---	---	---	---	---	45.17	45.06	45.21	---	---	---	46.67
12	---	---	---	---	---	45.15	45.05	45.22	---	---	---	46.67
13	---	---	---	---	---	45.16	45.03	45.25	---	---	---	46.67
14	---	---	---	---	---	45.16	45.04	45.28	---	---	---	46.72
15	---	---	---	---	---	45.14	45.03	45.30	---	---	---	46.76
16	---	---	---	---	---	45.11	45.04	45.31	---	---	---	46.78
17	---	---	---	---	---	45.07	45.07	45.31	---	---	---	46.80
18	---	---	---	---	---	45.04	45.08	45.33	---	---	---	46.86
19	---	---	---	---	---	45.02	45.07	45.34	---	---	---	46.88
20	---	---	---	---	---	45.06	45.06	45.34	---	---	---	46.90
21	---	---	---	---	---	45.08	45.08	45.35	---	---	---	46.89
22	---	---	---	---	---	45.10	45.10	45.37	---	---	---	46.89
23	---	---	---	---	---	45.14	45.10	45.42	---	---	---	46.92
24	---	---	---	---	---	45.16	45.11	45.44	---	---	---	46.94
25	---	---	---	---	---	45.15	45.10	45.34	---	---	---	46.96
26	---	---	---	---	---	45.16	45.07	45.36	---	---	---	46.99
27	---	---	---	---	---	45.16	45.09	---	---	---	---	47.00
28	---	---	---	---	45.17	45.06	45.12	---	---	---	---	46.99
29	---	---	---	---	45.16	45.05	45.13	---	---	---	---	47.00
30	---	---	---	---	---	45.06	45.06	---	---	---	---	47.00
31	---	---	---	---	---	45.03	---	---	---	---	---	---
MEAN	---	---	---	---	---	45.12	45.06	---	---	---	---	---
MAX	---	---	---	---	---	45.24	45.13	---	---	---	---	---
MIN	---	---	---	---	---	45.02	44.99	---	---	---	---	---



## GROUND-WATER LEVELS

## BARNWELL COUNTY

331901081242703. Local number, BW-368.

LOCATION.--Lat 33°19'16'', long 81°24'24'', Hydrologic Unit 03050207, on logging road approximately 0.5 mi off Cedar Tree Road and approximately 1.5 mi west of U.S. Highway 278.

Owner: South Carolina. Department of Natural Resources.

AQUIFER.--Black Creek.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in from surface to 414 ft, 4 in from 385 to 443, depth 443 ft, cased to 443 ft, screened interval 428-438 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

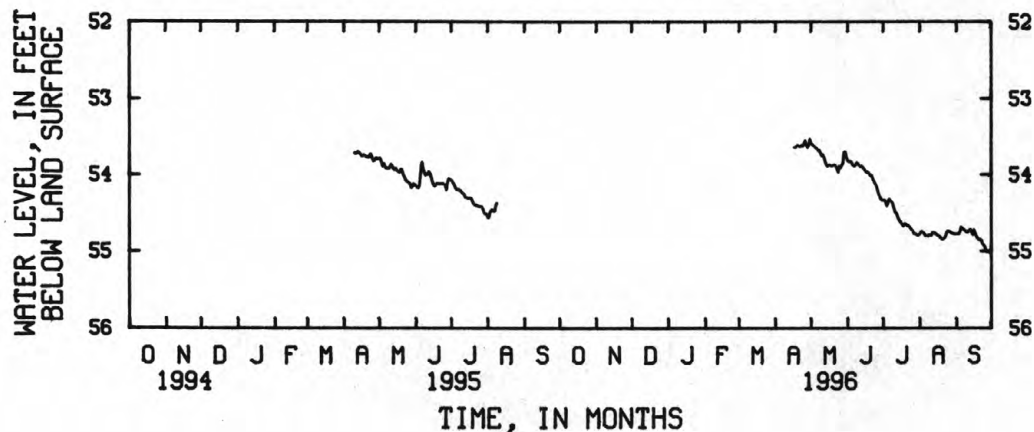
DATUM.--Land-surface datum is 264.88 ft above sea level. Measuring point: Opening in casing, 2.17 ft above land-surface datum.

PERIOD OF RECORD.--May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 53.13 ft below land-surface datum, May 21, 1993; lowest, 55.53 ft below land-surface datum, several days in Sept. 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	53.59	53.82	54.34	54.78	54.78
2	---	---	---	---	---	---	---	53.60	53.84	54.34	54.75	54.78
3	---	---	---	---	---	---	---	53.62	53.83	54.35	54.75	54.78
4	---	---	---	---	---	---	---	53.63	53.83	54.42	54.76	54.75
5	---	---	---	---	---	---	---	53.65	53.87	54.38	54.79	54.69
6	---	---	---	---	---	---	---	53.66	53.89	54.32	54.81	54.70
7	---	---	---	---	---	---	---	53.69	53.89	54.34	54.80	54.72
8	---	---	---	---	---	---	---	53.68	53.87	54.35	54.81	54.73
9	---	---	---	---	---	---	---	53.72	53.84	54.37	54.79	54.75
10	---	---	---	---	---	---	---	53.76	53.87	54.44	54.80	54.76
11	---	---	---	---	---	---	---	53.74	53.89	54.50	54.80	54.75
12	---	---	---	---	---	---	---	53.78	53.90	54.50	54.76	54.73
13	---	---	---	---	---	---	---	53.84	53.89	54.55	54.76	54.72
14	---	---	---	---	---	---	---	53.88	53.91	54.59	54.77	54.77
15	---	---	---	---	---	---	---	53.90	53.93	54.62	54.79	54.80
16	---	---	---	---	---	---	---	53.88	53.96	54.63	54.80	54.72
17	---	---	---	---	---	---	---	53.64	53.88	53.98	54.66	54.78
18	---	---	---	---	---	---	---	53.64	53.89	53.97	54.68	54.82
19	---	---	---	---	---	---	---	53.62	53.89	53.99	54.65	54.84
20	---	---	---	---	---	---	---	53.61	53.88	54.02	54.65	54.86
21	---	---	---	---	---	---	---	53.63	53.88	54.01	54.67	54.85
22	---	---	---	---	---	---	---	53.63	53.89	54.05	54.67	54.86
23	---	---	---	---	---	---	---	53.61	53.94	54.09	54.68	54.81
24	---	---	---	---	---	---	---	53.63	53.98	54.12	54.71	54.93
25	---	---	---	---	---	---	---	53.60	53.89	54.15	54.72	54.95
26	---	---	---	---	---	---	---	53.55	53.91	54.20	54.74	55.00
27	---	---	---	---	---	---	---	53.60	53.88	54.25	54.78	55.02
28	---	---	---	---	---	---	---	53.65	53.85	54.29	54.78	55.00
29	---	---	---	---	---	---	---	53.62	53.71	54.33	54.79	55.02
30	---	---	---	---	---	---	---	53.53	53.70	54.34	54.80	55.03
31	---	---	---	---	---	---	---	53.79	---	54.80	54.78	---
MEAN	---	---	---	---	---	---	---	53.79	53.99	54.57	54.79	54.83
MAX	---	---	---	---	---	---	---	53.98	54.34	54.80	54.85	55.03
MIN	---	---	---	---	---	---	---	53.59	53.82	54.32	54.74	54.69



## GROUND-WATER LEVELS

## BEAUFORT COUNTY

321005080442705. Local number, BFT-101.

LOCATION.--Lat 32°10'05'', long 80°44'27'', Hydrologic Unit 03050208, 300 ft west of U.S. Highway 278, approximately 1.5 mi northeast of Sea Pines Circle, Hilton Head.

OWNER.--U.S. Geological Survey.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in, depth 470 ft, cased to 129 ft, open hole 129 to 470 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 13.80 ft above sea level. Measuring point: Top of casing, 1.8 ft above land-surface datum.

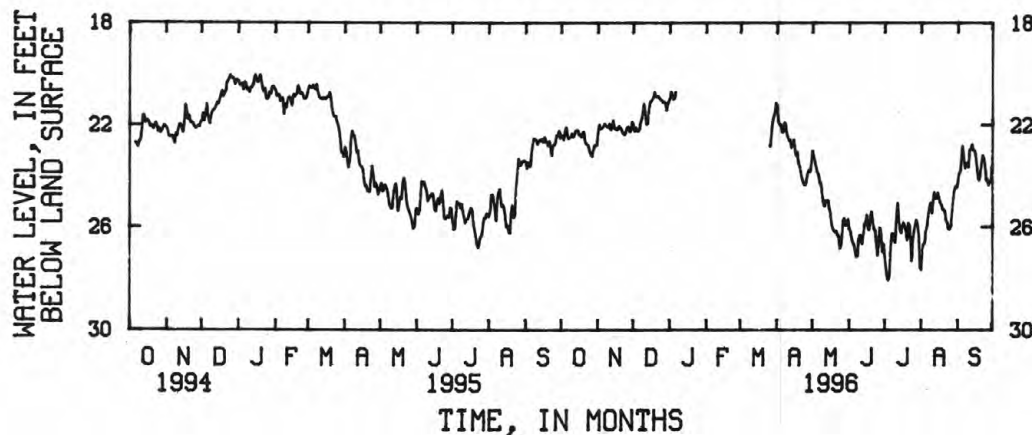
REMARKS.--Also known as TW2 PT4. Geophysical logs available in District files.

PERIOD OF RECORD.--October 1983 to current year. Records from Jan. 1955 to Sept. 1983 are unpublished but are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 19.22 ft below land-surface datum, Feb. 22, 1984; lowest, 30.42 ft below land-surface datum, July 11, 12, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.39	22.28	21.96	20.99	---	---	21.22	23.01	26.07	27.14	27.69	24.29
2	22.47	21.99	22.24	20.72	---	---	21.90	23.27	26.18	27.60	26.89	23.89
3	22.57	22.14	22.11	20.85	---	---	21.97	23.42	26.45	27.96	26.67	23.86
4	22.26	22.13	22.21	21.00	---	---	21.99	23.68	26.63	28.09	26.64	23.39
5	22.09	22.10	22.25	20.97	---	---	22.28	23.86	26.71	27.90	26.14	22.83
6	22.39	22.03	22.19	20.74	---	---	22.29	23.96	26.99	26.92	26.01	23.21
7	22.54	21.96	21.91	---	---	---	21.94	24.32	27.17	26.27	25.45	23.71
8	22.51	22.03	21.78	---	---	---	21.93	24.28	27.15	26.24	25.22	23.56
9	22.48	22.06	21.49	---	---	---	22.39	24.60	26.43	26.49	25.05	23.50
10	22.35	22.10	21.18	---	---	---	22.51	25.04	26.31	26.61	25.46	23.67
11	22.47	21.96	21.46	---	---	---	22.62	25.20	26.55	25.57	24.97	23.00
12	22.42	22.19	21.96	---	---	---	22.60	24.98	26.65	25.06	24.64	22.89
13	22.25	22.06	21.96	---	---	---	22.89	24.97	26.41	25.73	24.87	22.78
14	22.22	21.84	21.48	---	---	---	22.79	24.96	25.88	26.14	24.88	22.99
15	22.21	22.12	21.12	---	---	---	22.59	25.25	25.79	26.25	24.66	23.00
16	22.39	22.14	21.06	---	---	---	22.96	25.43	25.53	25.98	24.84	23.13
17	22.38	22.21	21.00	---	---	---	23.20	25.84	26.08	25.84	25.06	23.63
18	22.48	22.15	20.92	---	---	---	23.08	26.08	26.13	25.93	25.12	24.04
19	22.32	22.06	20.73	---	---	---	23.52	26.16	25.62	26.11	25.30	24.20
20	22.27	22.11	20.88	---	---	---	23.60	26.20	25.40	26.51	25.33	23.92
21	22.61	22.19	20.90	---	---	---	23.84	26.17	25.80	25.85	25.38	23.53
22	22.75	22.30	20.89	---	---	---	24.15	26.32	26.10	25.93	25.75	23.20
23	22.77	22.37	20.94	---	---	---	24.25	26.36	26.15	26.46	25.82	23.28
24	22.86	22.39	21.00	---	---	---	24.36	26.85	26.72	27.34	26.08	23.56
25	23.07	22.22	21.04	---	---	---	24.37	26.77	27.13	26.63	26.10	24.20
26	23.17	22.11	21.12	---	---	22.84	24.20	26.34	26.48	26.12	26.01	24.16
27	23.24	22.06	21.12	---	---	22.52	23.90	25.71	26.04	25.89	25.49	24.36
28	23.00	22.27	21.13	---	---	21.87	23.76	25.65	26.17	25.72	25.00	24.26
29	22.82	22.20	21.44	---	---	21.68	23.84	25.93	26.99	25.93	24.51	24.26
30	22.80	21.89	21.18	---	---	21.54	23.43	25.90	26.68	26.35	24.40	23.67
31	22.81	---	21.10	---	---	21.15	---	25.69	---	27.59	24.46	---
MEAN	22.56	22.12	21.41	---	---	---	23.01	25.23	26.35	26.46	25.48	23.60
MAX	23.24	22.39	22.25	---	---	---	24.37	26.85	27.17	28.09	27.69	24.36
MIN	22.09	21.84	20.73	---	---	---	21.22	23.01	25.40	25.06	24.40	22.78



## GROUND-WATER LEVELS

## BEAUFORT COUNTY

322745080435800. Local number, BFT-121.

LOCATION.--Lat 32°27'48'', long 80°44'05'', Hydrologic Unit 03050208, Military reservation, 100 ft east of U.S. 21, 100 ft north of locked entrance, 2,000 ft north of main entrance to the U.S. Marine Corps Air Station, 4.0 mi northwest of Beaufort on U.S. Highway 21.

Owner: U.S. Marine Corp.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 10 in, depth 105 ft, cased to 85 ft, open hole from 85 to 105 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 31.25 ft above sea level. Measuring point: Top of casing, at land-surface.

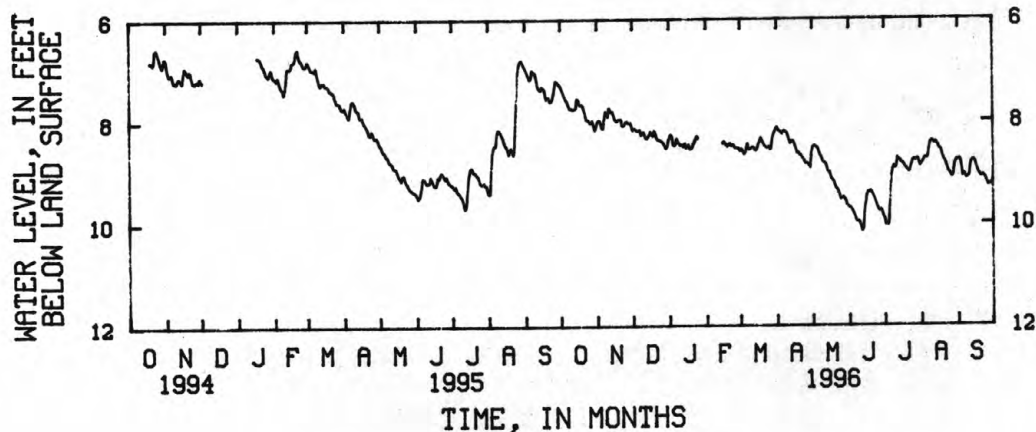
REMARKS.--Water-quality data available in District files.

PERIOD OF RECORD.--July 1975 to September 1996 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 5.84 ft below land-surface datum, April 5, 1980; lowest, 11.83 ft below land-surface datum June 6, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.29	8.01	8.17	8.32	---	8.59	8.12	8.51	9.70	9.92	8.86	8.78
2	7.36	7.98	8.15	8.26	---	8.55	8.18	8.49	9.71	10.04	8.81	8.76
3	7.41	7.98	8.15	8.29	---	8.59	8.20	8.49	9.74	10.03	8.78	8.78
4	7.47	8.01	8.18	8.44	---	8.65	8.21	8.51	9.77	10.05	8.73	8.89
5	7.54	8.11	8.18	8.48	---	8.63	8.25	8.52	9.83	9.89	8.73	9.09
6	7.58	8.14	8.18	8.45	---	8.51	8.21	8.60	9.89	9.34	8.73	9.06
7	7.62	7.99	8.17	8.34	---	8.45	8.20	8.67	9.95	9.03	8.60	9.10
8	7.70	7.80	8.26	8.40	---	8.55	8.21	8.70	9.98	8.93	8.48	9.13
9	7.74	7.84	8.23	8.43	---	8.55	8.22	8.77	9.97	8.89	8.42	9.12
10	7.74	7.89	8.21	8.47	---	8.53	8.30	8.81	10.01	8.93	8.39	9.11
11	7.76	7.73	8.28	8.46	---	8.51	8.36	8.82	10.07	8.89	8.41	8.95
12	7.76	7.77	8.32	8.48	---	8.52	8.43	8.84	10.16	8.73	8.44	8.82
13	7.75	7.81	8.33	8.50	---	8.55	8.41	8.92	10.12	8.77	8.42	8.78
14	7.74	7.80	8.30	8.44	---	8.58	8.39	8.99	9.78	8.77	8.45	8.78
15	7.55	7.87	8.26	8.52	8.43	8.55	8.42	9.01	9.57	8.82	8.48	8.80
16	7.56	7.95	8.21	8.50	8.40	8.47	8.47	9.06	9.44	8.83	8.54	8.86
17	7.65	7.98	8.25	8.46	8.44	8.43	8.56	9.14	9.39	8.85	8.56	8.94
18	7.66	7.98	8.28	8.53	8.45	8.33	8.63	9.17	9.39	8.90	8.61	9.03
19	7.67	7.96	8.19	8.54	8.50	8.37	8.62	9.20	9.37	8.92	8.70	9.05
20	7.69	7.96	8.23	8.53	8.46	8.42	8.67	9.28	9.41	8.95	8.77	9.10
21	7.78	7.95	8.32	8.45	8.44	8.46	8.67	9.32	9.45	8.99	8.80	9.10
22	7.88	8.06	8.36	8.42	8.48	8.49	8.72	9.35	9.49	9.00	8.86	9.08
23	7.96	8.09	8.36	8.35	8.48	8.52	8.75	9.41	9.55	8.93	8.95	9.11
24	7.96	8.05	8.37	8.30	8.47	8.52	8.79	9.47	9.63	8.85	9.01	9.13
25	7.98	8.01	8.39	8.33	8.51	8.50	8.83	9.53	9.70	8.78	9.03	9.21
26	8.02	8.00	8.40	---	8.53	8.55	8.83	9.52	9.75	8.76	9.09	9.26
27	8.02	8.02	8.44	---	8.53	8.54	8.84	9.50	9.77	8.78	9.11	9.27
28	7.98	8.03	8.48	---	8.53	8.35	8.88	9.53	9.75	8.76	9.08	9.25
29	8.07	8.02	8.53	---	8.56	8.26	8.92	9.56	9.80	8.75	8.86	9.27
30	8.16	8.11	8.50	---	---	8.21	8.61	9.65	9.88	8.81	8.80	9.23
31	8.12	---	8.38	---	---	8.14	---	9.67	---	8.88	8.77	---
MEAN	7.75	7.96	8.29	8.43	---	8.48	8.50	9.06	9.73	9.06	8.72	9.03
MAX	8.16	8.14	8.53	8.54	---	8.65	8.92	9.67	10.16	10.05	9.11	9.27
MIN	7.29	7.73	8.15	8.26	---	8.14	8.12	8.49	9.37	8.73	8.39	8.76





## GROUND-WATER LEVELS

445

## BEAUFORT COUNTY

321551080491003. Local number, BFT-429.

LOCATION.--Lat 32°15'51'', long 80°49'10'', Hydrologic Unit 03050208, 1.6 mi northwest on County Road 744, 2 mi southwest of Foot Point Plantation at Victoria Bluff, and 7.7 mi southeast on U.S. Highway 278 from intersection with State Highway 170.

Owner: South Carolina Wildlife and Marine Resources Department.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 300 ft, cased to 100 ft, open hole from 100 to 300 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 22.0 ft above sea level. Measuring point: Top of casing, 1.85 ft above land-surface datum.

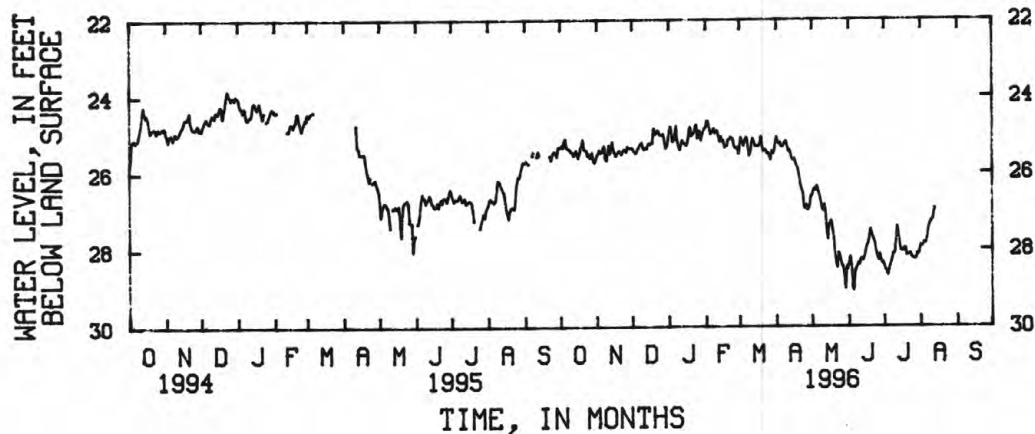
REMARKS.--Water-quality data available in District files. Electric and Gamma logs available in District files.

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, 29.56 ft below land-surface datum, July 9, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.31	25.54	25.35	24.95	24.81	25.37	25.07	26.60	28.32	28.47	27.91	---
2	25.28	25.49	25.42	24.79	24.65	25.09	25.21	26.47	28.21	28.52	27.92	---
3	25.33	25.41	25.44	24.90	24.64	25.21	25.25	26.41	28.40	28.61	27.87	---
4	25.17	25.47	25.49	25.18	24.82	25.30	25.21	26.46	29.01	28.67	27.83	---
5	25.11	25.46	25.42	25.16	24.99	25.22	25.32	26.36	29.08	28.52	27.84	---
6	25.32	25.36	25.36	25.05	24.97	25.10	25.33	26.50	28.57	28.43	27.74	---
7	25.36	25.29	25.31	24.78	24.90	25.09	25.28	26.58	28.50	28.31	27.56	---
8	25.38	25.61	25.25	25.18	24.84	25.33	25.21	26.72	28.44	28.21	27.38	---
9	25.39	25.68	25.21	25.33	24.96	25.57	25.18	26.90	28.36	28.11	27.32	---
10	25.45	25.51	25.33	25.40	24.91	25.48	25.33	27.00	28.40	28.10	27.25	---
11	25.45	25.28	25.39	25.29	24.91	25.26	25.45	26.85	28.27	27.74	27.23	---
12	25.55	25.49	25.35	25.16	25.04	25.11	25.43	26.98	28.24	27.42	27.06	---
13	25.51	25.35	25.37	25.20	25.20	25.18	25.52	27.48	28.29	27.62	26.95	---
14	25.42	25.18	25.28	25.22	25.07	25.31	25.66	27.74	28.21	27.82	---	---
15	25.49	25.39	25.23	25.27	25.18	25.31	25.68	27.38	28.05	28.03	---	---
16	25.60	25.47	25.25	25.28	25.16	25.31	25.66	27.31	27.91	28.05	---	---
17	25.51	25.55	25.22	25.16	25.35	25.31	25.77	27.26	27.86	28.05	---	---
18	25.33	25.51	25.22	24.89	25.31	25.25	25.85	27.44	27.67	27.99	---	---
19	25.27	25.46	24.83	24.80	25.31	25.05	25.90	27.64	27.49	27.99	---	---
20	25.13	25.43	24.99	25.03	25.14	25.31	26.12	28.11	27.56	28.17	---	---
21	25.38	25.47	24.97	25.00	25.14	25.45	26.32	28.33	27.70	28.14	---	---
22	25.39	25.51	24.90	24.95	25.08	25.42	26.43	28.48	27.76	28.15	---	---
23	25.41	25.44	24.89	24.84	25.11	25.42	26.51	28.11	27.92	28.11	---	---
24	25.55	25.40	25.00	24.74	25.11	25.51	26.85	28.12	28.08	28.20	---	---
25	25.50	25.39	25.01	25.10	25.31	25.50	26.95	28.30	28.18	28.23	---	---
26	25.60	25.45	25.01	25.01	25.36	25.60	26.86	28.42	28.29	28.26	---	---
27	25.59	25.31	24.99	24.91	25.37	25.67	26.98	28.46	28.14	28.27	---	---
28	25.47	25.35	25.13	25.15	25.35	25.44	26.97	28.70	28.28	28.24	---	---
29	25.69	25.35	25.35	25.02	25.52	25.50	26.84	29.03	28.38	28.12	---	---
30	25.74	25.35	25.34	24.93	---	25.44	26.62	28.45	28.35	28.13	---	---
31	25.65	---	25.14	24.84	---	25.19	---	28.51	---	28.01	---	---
MEAN	25.43	25.43	25.21	25.05	25.09	25.33	25.89	27.52	28.20	28.15	---	---
MAX	25.74	25.68	25.49	25.40	25.52	25.67	26.98	29.03	29.08	28.67	---	---
MIN	25.11	25.18	24.83	24.74	24.64	25.05	25.07	26.36	27.49	27.42	---	---





## GROUND-WATER LEVELS

## BEAUFORT COUNTY

321603080432202. Local number, BFT-1810.

LOCATION.--Lat 32°16'03'', long 80°43'22'', Hydrologic Unit 03050208, at Dolphin Head Recreation Park, on Hilton Head Plantation on Hilton Head Island.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Floridan Aquifer System.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 202 ft, cased to 105 ft, open hole from 105 to 202 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval and USGS mini-monitor.

DATUM.--Land-surface datum is 14 ft above sea level. Measuring point: Top of casing, .80 ft above land-surface datum.

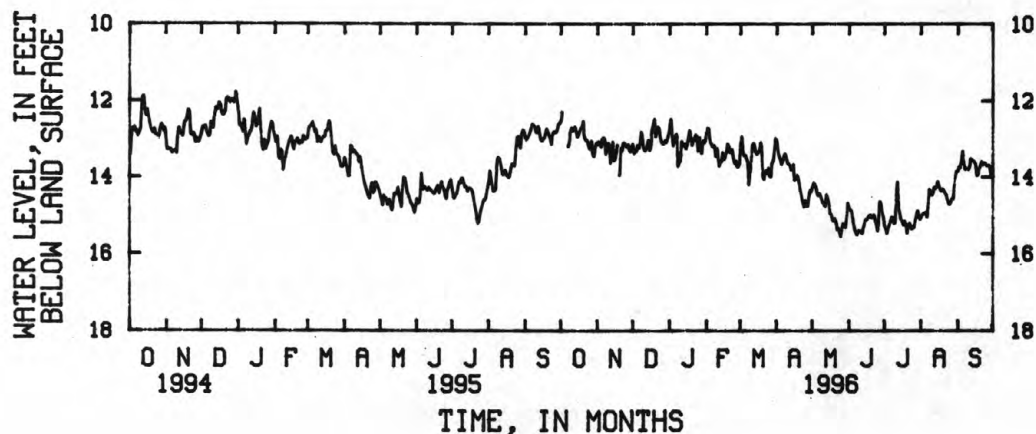
REMARKS.--Water level affected by tidal fluctuations. Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 11.41 ft below land-surface datum, June 6, 1991; lowest, 16.54 ft below land-surface datum, July 4, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.55	13.14	13.13	12.73	12.88	13.21	13.04	14.29	14.79	15.28	15.06	13.84
2	12.31	13.07	13.38	12.48	12.72	12.94	13.34	14.16	14.86	15.34	14.98	13.73
3	---	13.11	13.29	12.90	12.72	13.36	13.46	14.17	14.88	15.48	14.96	13.75
4	---	13.20	13.31	13.18	13.00	13.44	13.53	14.25	15.05	15.34	14.94	13.54
5	---	13.02	13.16	13.00	13.13	13.43	13.68	14.41	15.25	15.25	14.93	13.32
6	---	12.96	13.22	12.90	13.19	13.55	13.60	14.49	15.42	15.17	15.04	13.65
7	13.19	13.00	13.13	12.87	13.17	13.61	13.45	14.43	15.50	15.05	14.73	13.81
8	13.14	13.40	12.81	13.73	13.18	14.21	13.39	14.48	15.51	15.07	14.33	13.79
9	12.82	13.20	12.93	13.60	13.47	13.95	13.48	14.56	15.40	15.20	14.37	13.79
10	12.71	13.11	13.25	13.60	13.26	13.59	13.63	14.68	15.42	15.20	14.47	13.81
11	12.78	13.17	13.31	13.06	13.42	13.15	13.66	14.72	15.41	14.43	14.43	13.75
12	12.73	13.65	13.28	13.12	13.72	13.11	13.70	14.77	15.48	14.13	14.27	13.52
13	12.69	13.21	13.14	13.17	13.61	13.23	13.82	14.46	15.33	14.78	14.30	13.57
14	12.78	13.07	13.04	13.12	13.59	13.36	13.82	14.53	15.23	15.01	14.26	13.57
15	12.95	13.58	13.30	13.25	13.37	13.41	13.69	14.67	15.11	15.11	14.12	13.61
16	12.87	13.54	13.19	13.13	13.54	13.34	14.09	14.96	15.11	15.17	14.22	13.65
17	12.80	13.38	12.74	12.93	13.46	13.32	14.05	14.98	15.05	15.25	14.31	13.97
18	12.71	13.16	12.63	12.78	13.36	13.10	13.97	15.12	15.01	15.16	14.36	13.97
19	12.68	---	12.48	12.99	13.13	13.23	14.00	15.15	14.99	15.24	14.32	13.79
20	12.54	13.95	12.93	13.16	13.18	14.01	14.15	15.09	15.05	15.47	14.34	13.73
21	12.95	13.23	12.73	12.99	13.35	14.07	14.40	15.17	15.02	15.29	14.40	13.60
22	13.04	13.30	12.68	13.02	13.29	13.89	14.53	15.38	14.99	15.21	14.45	13.68
23	13.03	13.10	12.74	12.90	13.29	13.83	14.66	15.35	15.11	15.28	14.56	13.65
24	13.11	13.10	12.98	12.93	13.53	13.90	14.79	15.44	15.20	15.35	14.69	13.64
25	13.24	13.17	13.09	13.32	13.64	13.78	14.62	15.56	15.41	15.30	14.72	13.71
26	13.27	13.20	13.12	12.96	13.59	13.99	14.75	15.33	15.17	15.33	14.67	13.71
27	13.06	13.14	13.13	13.23	13.73	14.00	14.77	15.22	14.64	15.14	14.58	13.70
28	13.38	13.29	13.05	13.38	13.74	13.63	14.60	15.26	14.67	15.00	14.59	13.74
29	13.47	13.33	13.09	13.05	13.68	13.58	14.36	15.31	14.93	14.89	14.24	13.96
30	13.22	13.20	13.00	13.10	---	13.29	14.38	15.05	15.02	15.02	13.86	13.80
31	13.11	---	12.91	13.07	---	12.98	---	14.68	---	15.10	13.84	---
MEAN	---	---	13.04	13.09	13.34	13.53	13.98	14.84	15.13	15.13	14.50	13.71
MAX	---	---	13.38	13.73	13.74	14.21	14.79	15.56	15.51	15.48	15.06	13.97
MIN	---	---	12.48	12.48	12.72	12.94	13.04	14.16	14.64	14.13	13.84	13.32



## QUALITY OF GROUND WATER

## BEAUFORT COUNTY

321603080432202. Local number, BFT-1810.

PERIOD OF RECORD.--Water years 1987 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE AT 170 FEET: February 1987 to September 1994 (discontinued).

SPECIFIC CONDUCTANCE AT 190 FEET: February 1987 to September 1994 (discontinued).

SPECIFIC CONDUCTANCE AT 200 FEET: February 1987 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE AT 170 FEET: Maximum, 920 microsiemens, Apr. 14, 1988; minimum, 330 microsiemens, Aug. 9, 1990.

SPECIFIC CONDUCTANCE AT 190 FEET: Maximum, 5,720 microsiemens, June 25, 1994; minimum, 440 microsiemens, Dec. 11, 1987.

SPECIFIC CONDUCTANCE AT 200 FEET: Maximum, 9,630 microsiemens, Dec. 23, 1988; minimum, 1590 microsiemens, Feb. 27, 1987.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE AT 200 FEET: Maximum, 8,420 microsiemens, Sept. 29; minimum, 7,700 microsiemens, Jan. 23.

SPECIFIC CONDUCTANCE AT 200 FEET (MICROSIEMENS/CM AT 25°C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	7940	7840	7890	8000	7840	7900	7950	7770	7850
2	---	---	---	7950	7830	7890	8010	7830	7900	7950	7760	7850
3	---	---	---	7950	7840	7890	8010	7830	7900	7950	7780	7870
4	---	---	---	7950	7840	7900	8000	7820	7910	7970	7780	7860
5	---	---	---	7950	7840	7890	8000	7810	7900	7950	7760	7850
6	---	---	---	7950	7840	7890	8000	7810	7900	7950	7750	7850
7	---	---	---	7950	7840	7890	8010	7810	7910	7960	7760	7860
8	---	---	---	7960	7850	7900	7990	7800	7900	7960	7790	7870
9	---	---	---	7950	7850	7900	8000	7820	7910	7940	7760	7850
10	---	---	---	7950	7850	7900	8000	7820	7910	7940	7760	7850
11	---	---	---	7940	7840	7900	8000	7820	7910	7920	7760	7830
12	---	---	---	7950	7860	7910	7990	7810	7900	7940	7760	7850
13	---	---	---	7940	7850	7900	7970	7820	7890	7930	7760	7840
14	---	---	---	7950	7860	7910	7970	7820	7890	7920	7770	7840
15	---	---	---	7960	7870	7920	7970	7810	7890	7940	7760	7840
16	7950	7860	7910	7950	7860	7910	7970	7810	7880	7930	7750	7830
17	7950	7850	7900	7960	7860	7910	7970	7800	7870	7930	7730	7820
18	7940	7850	7890	7960	7860	7910	7990	7790	7880	7930	7720	7820
19	7930	7840	7890	7960	7850	7910	8000	7790	7890	7960	7720	7830
20	7940	7840	7890	7970	7850	7900	8010	7800	7900	7940	7710	7820
21	7950	7840	7900	7960	7850	7900	7990	7770	7880	7920	7710	7810
22	7960	7840	7890	7970	7850	7910	7990	7770	7880	7920	7710	7810
23	7950	7830	7890	7970	7850	7910	7990	7770	7880	7910	7700	7810
24	7940	7830	7880	7980	7850	7910	7990	7770	7880	7920	7720	7810
25	7940	7830	7880	7980	7860	7920	7980	7770	7880	7920	7720	7820
26	7940	7830	7880	7970	7860	7920	7980	7770	7870	7900	7730	7810
27	7930	7820	7880	7980	7850	7920	7970	7780	7870	7920	7730	7820
28	7940	7830	7890	7970	7850	7920	7960	7790	7870	---	---	---
29	7950	7840	7890	7980	7870	7920	7950	7790	7860	---	---	---
30	7940	7830	7890	7970	7830	7910	7950	7780	7860	7860	7810	7830
31	7940	7840	7890	---	---	---	7950	7770	7850	7860	7790	7830
MONTH	7960	7820	7890	7980	7830	7910	8010	7770	7890	7970	7700	7840

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7860	7780	7820	7830	7770	7800	7800	7740	7770	7800	7720	7760
2	7860	7770	7820	7840	7770	7800	7820	7740	7770	7800	7720	7750
3	7860	7790	7820	7850	7770	7810	7810	7740	7760	7800	7720	7750
4	7860	7780	7820	7850	7760	7800	7810	7730	7760	7790	7720	7740
5	7860	7770	7820	7840	7750	7800	7810	7730	7760	7790	7720	7740
6	7860	7770	7820	7850	7750	7800	7800	7730	7760	7790	7720	7740
7	7860	7780	7820	7850	7760	7800	7800	7740	7760	7780	7710	7740
8	7870	7780	7820	7870	7760	7810	7800	7730	7770	7780	7720	7740
9	7870	7780	7830	7830	7750	7800	7800	7740	7760	7780	7710	7740
10	7860	7780	7820	7830	7750	7790	7790	7740	7760	7780	7710	7740
11	7850	7780	7820	7820	7750	7790	7800	7730	7760	7770	7710	7740
12	---	---	---	7830	7750	7790	7790	7730	7760	7770	7720	7740
13	---	---	---	7830	7750	7790	7790	7720	7750	7780	7730	7750
14	---	---	---	7830	7750	7790	7790	7720	7750	7790	7730	7750
15	---	---	---	7830	7740	7780	7790	7730	7750	7780	7720	7750
16	7870	7760	7820	7830	7740	7780	7800	7730	7760	7780	7720	7750
17	7870	7740	7810	7830	7730	7780	7800	7730	7760	7780	7720	7740
18	7870	7750	7810	7840	7730	7780	7790	7730	7750	7790	7730	7740
19	7860	7750	7810	7860	7740	7790	7790	7730	7750	7770	7720	7740
20	7860	7750	7810	7860	7750	7800	7790	7730	7750	7770	7720	7740
21	7870	7750	7810	7850	7740	7790	7780	7720	7750	7770	7720	7740
22	7860	7760	7810	7830	7740	7790	7780	7720	7750	7770	7710	7740
23	7850	7760	7810	7820	7740	7780	7780	7720	7750	7750	7730	7740
24	7850	7770	7800	7810	7740	7780	7780	7730	7750	7760	7730	7740
25	7840	7760	7800	7810	7740	7780	7780	7720	7750	7760	7720	7740
26	7830	7770	7800	7800	7740	7770	7770	7720	7740	7760	7720	7750
27	7830	7770	7800	7780	7740	7760	7770	7720	7750	7770	7730	7750
28	7840	7770	7800	7790	7740	7760	7770	7710	7740	7780	7730	7750
29	7830	7780	7810	7800	7750	7770	7780	7720	7740	7780	7730	7750
30	---	---	---	7790	7750	7760	7800	7730	7760	7780	7750	7760
31	---	---	---	7790	7740	7760	---	---	---	7780	7740	7760
MONTH	7870	7740	7810	7870	7730	7790	7820	7710	7750	7800	7710	7750
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7800	7740	7760	7920	7870	7890	8080	8010	8040	8230	8160	8190
2	7800	7740	7760	7930	7870	7890	8090	8020	8050	8230	8170	8190
3	7800	7750	7770	7940	7870	7900	8090	8030	8050	8230	8170	8200
4	7800	7740	7760	7940	7880	7900	8090	8030	8050	8240	8170	8200
5	7800	7720	7760	7960	7890	7920	8100	8040	8060	8270	8170	8210
6	7790	7730	7760	7980	7920	7950	8090	8030	8060	8290	8190	8230
7	7790	7740	7760	7970	7910	7950	8100	8030	8070	8280	8190	8230
8	7800	7740	7770	8000	7920	7950	8100	8050	8070	8300	8200	8240
9	7810	7760	7780	7980	7910	7940	8100	8050	8080	8310	8210	8250
10	7810	7760	7780	7960	7910	7940	8110	8060	8080	8310	8200	8250
11	7820	7760	7790	7960	7930	7940	8110	8060	8080	8320	8210	8260
12	7820	7780	7790	7980	7930	7950	8110	8080	8090	8330	8210	8270
13	7820	7790	7800	7990	7940	7950	8130	8070	8100	8340	8210	8260
14	7830	7790	7810	7980	7940	7960	8120	8080	8100	8340	8220	8270
15	7840	7790	7810	7990	7940	7960	8130	8090	8110	8340	8230	8270
16	7840	7800	7820	8000	7950	7970	8140	8090	8110	8330	8230	8270
17	7850	7810	7820	7990	7950	7970	8150	8090	8110	8360	8240	8280
18	7850	7810	7830	8010	7960	7980	8140	8100	8120	8340	8230	8280
19	7850	7810	7830	8020	7970	7980	8150	8100	8120	8330	8240	8280
20	7860	7820	7840	8010	7960	7990	8150	8100	8120	8340	8240	8280
21	7870	7810	7840	8020	7970	7990	8160	8110	8130	8360	8240	8290
22	7880	7820	7840	8020	7980	8000	8150	8110	8130	8390	8250	8310
23	7870	7820	7850	8040	7980	8000	8160	8110	8140	8400	8250	8310
24	7870	7820	7850	8040	7990	8010	8170	8120	8140	8400	8250	8310
25	7890	7830	7860	8050	8000	8020	8190	8130	8150	8390	8260	8310
26	7890	7840	7860	8060	8010	8030	8190	8130	8160	8390	8260	8310
27	7900	7850	7870	8070	8000	8030	8200	8140	8160	8410	8260	8320
28	7900	7860	7880	8080	8010	8040	8210	8140	8170	8400	8270	8330
29	7910	7860	7880	8090	8010	8040	8220	8150	8180	8420	8270	8330
30	7920	7860	7890	8090	8020	8040	8220	8150	8180	8410	8290	8340
31	---	---	---	8090	8000	8040	8240	8150	8180	---	---	---
MONTH	7920	7720	7810	8090	7870	7970	8240	8010	8110	8420	8160	8270
YEAR	8420	7700	7900									

## GROUND-WATER LEVELS

## BEAUFORT COUNTY

321358080403802. Local number, BFT-1814.

LOCATION.--Lat 32°13'58'', long 80°40'38'', Hydrologic Unit 03050208, at Ft. Walker, Port Royal Plantation, on Hilton Head Island.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Floridan Aquifer System.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 210 ft, cased to 120 ft, open hole from 120 to 210 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 12 ft above sea level. Measuring point: Top of casing, 1.20 ft above land-surface datum.

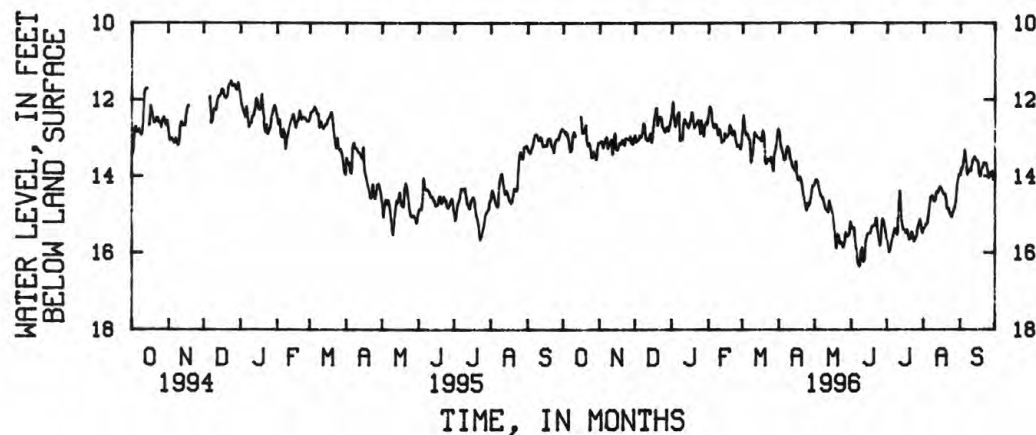
REMARKS.--Water level affected by pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 11.21 ft below land-surface datum, Feb. 7, 1993; lowest, 16.73 ft below land-surface datum, July 12, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.80	13.11	12.94	12.41	12.37	12.75	12.82	14.15	15.30	15.67	15.39	13.98
2	12.81	13.09	13.09	12.06	12.18	12.41	13.16	14.09	15.37	15.79	15.35	13.80
3	12.91	13.09	13.06	12.49	12.22	12.83	13.30	14.10	15.36	16.00	15.27	13.81
4	12.86	13.25	13.05	12.71	12.57	12.92	13.40	14.26	15.65	15.93	15.26	13.60
5	12.98	13.11	12.95	12.58	12.71	12.89	13.58	14.43	15.93	15.72	15.12	13.32
6	13.18	13.03	12.97	12.39	12.74	13.02	13.56	14.53	16.24	15.62	14.80	13.64
7	13.36	12.98	12.91	12.33	12.65	13.07	13.31	14.55	16.33	15.45	14.55	13.98
8	13.31	13.27	12.63	13.08	12.69	13.65	13.22	14.65	16.36	15.37	14.51	13.89
9	13.01	13.17	12.67	13.02	12.92	13.55	13.29	14.74	15.99	15.48	14.53	13.82
10	12.85	13.10	13.02	13.05	12.78	13.24	13.54	14.87	15.88	15.53	14.66	13.87
11	12.94	13.05	13.04	12.61	12.85	12.86	13.59	14.89	16.24	14.84	14.65	13.70
12	---	13.43	13.07	12.52	13.11	12.89	13.75	14.96	16.22	14.38	14.40	13.55
13	---	13.01	12.97	12.62	13.10	12.94	13.80	14.66	15.77	15.04	14.43	13.49
14	---	12.88	12.88	12.63	13.06	12.99	13.86	14.77	15.57	15.29	14.35	13.53
15	---	13.28	13.11	12.74	12.89	12.99	13.61	14.88	15.50	15.41	14.28	13.61
16	12.46	13.31	12.94	12.67	12.98	13.02	14.00	15.07	15.50	15.43	14.31	13.60
17	12.88	13.24	12.55	12.53	12.94	13.08	14.11	15.27	15.49	15.49	14.39	13.94
18	12.86	13.12	12.34	12.34	12.92	12.81	14.03	15.64	15.34	15.41	14.47	14.02
19	12.79	13.15	12.22	12.51	12.67	12.92	14.06	15.89	15.31	15.51	14.47	13.82
20	12.68	13.07	12.67	12.75	12.74	13.62	14.26	15.53	15.31	15.66	14.56	13.77
21	13.06	13.06	12.47	12.65	12.92	13.68	14.51	15.55	15.25	15.64	14.85	13.66
22	13.20	13.18	12.46	12.64	12.84	13.56	14.64	15.76	15.09	15.48	14.84	13.69
23	13.14	13.01	12.48	12.56	12.82	13.56	14.76	15.72	15.44	15.55	14.92	13.67
24	13.24	13.01	12.71	12.54	13.09	13.60	14.91	15.77	15.57	15.72	15.04	13.77
25	13.51	13.02	12.77	12.90	13.22	13.50	14.71	15.87	15.83	15.65	15.08	14.06
26	13.51	13.04	12.85	12.56	13.19	13.75	14.77	15.76	15.62	15.60	14.96	13.99
27	13.36	12.96	12.82	12.76	13.20	13.87	14.69	15.48	15.12	15.36	14.89	13.91
28	13.48	13.13	12.73	12.95	13.29	13.39	14.49	15.57	15.16	15.27	14.77	13.88
29	13.57	13.15	12.82	12.65	13.19	13.30	14.25	15.57	15.36	15.14	14.42	14.10
30	13.28	13.02	12.73	12.59	---	13.07	14.24	15.53	15.51	15.29	14.12	13.95
31	13.13	---	12.60	12.64	---	12.77	---	15.20	---	15.49	13.96	---
MEAN	13.08	13.11	12.79	12.63	12.86	13.18	13.94	15.09	15.62	15.46	14.70	13.78
MAX	13.57	13.43	13.11	13.08	13.29	13.87	14.91	15.89	16.36	16.00	15.39	14.10
MIN	12.46	12.88	12.22	12.06	12.18	12.41	12.82	14.09	15.09	14.38	13.96	13.32





## GROUND-WATER LEVELS

## BERKELEY COUNTY

331022080021801. Local number, BRK-431.

LOCATION.--Lat 33 10'22'', long 80 02'18'', Hydrologic Unit 03050201, Near Moncks Corner, S C. in Conifer Hall Subdivision at the end of Resinwood Dr, approximately 100 yds from Hwy 17A, and 100 ft from well number BRK-190.

OWNER: Berkeley County Water and Sewer Authority.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation test well, diameter 5 inches from the surface to 1419 ft, 3 inches from 1419 to 1704 ft, depth 1704 ft, screened intervals 1602 to 1607 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 67 ft above sea level. Measuring point: Top of casing, 3.80 ft above land-surface datum.

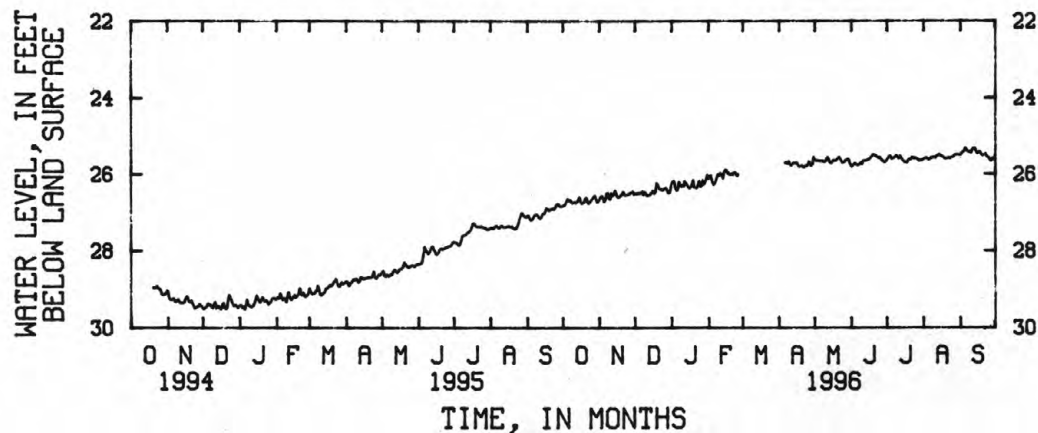
REMARKS.--Flowing well in 1982. Geophysical logs available in District files.

PERIOD OF RECORDS.--September 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.03 ft below land-surface datum, Sept. 15, 1989; lowest 29.52 ft below land-surface datum, Jan. 5, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.82	26.65	26.51	26.24	26.11	---	---	25.62	25.80	25.63	25.61	25.50
2	26.81	26.60	26.50	26.18	26.06	---	---	25.64	25.79	25.59	25.59	25.46
3	26.78	26.57	26.52	26.18	26.04	---	---	25.65	25.74	25.54	25.59	25.43
4	26.70	26.63	26.48	26.36	26.18	---	---	25.65	25.73	25.54	25.59	25.42
5	26.65	26.71	26.50	26.42	26.28	---	---	25.65	25.75	25.61	25.62	25.33
6	26.69	26.66	26.48	26.41	26.26	---	25.70	25.66	25.77	25.59	25.62	25.35
7	26.67	26.51	26.44	26.21	26.21	---	25.70	25.66	25.76	25.58	25.58	25.41
8	26.71	26.49	26.54	26.27	26.11	---	25.72	25.67	25.74	25.54	25.58	25.42
9	26.74	26.63	26.46	26.32	26.01	---	25.67	25.68	25.71	25.52	25.56	25.42
10	26.74	26.65	26.50	26.28	26.04	---	25.75	25.67	25.74	25.55	25.56	25.45
11	26.73	26.50	26.56	26.32	25.97	---	25.78	25.60	25.66	25.60	25.58	25.37
12	26.74	26.55	26.55	26.18	26.03	---	25.75	25.57	25.65	25.53	25.53	25.34
13	26.73	26.54	26.56	26.24	26.10	---	25.71	25.65	25.65	25.58	25.53	25.33
14	26.66	26.43	26.51	26.29	25.96	---	25.71	25.70	25.64	25.62	25.48	25.40
15	26.61	26.49	26.48	26.33	25.89	---	25.70	25.72	25.63	25.66	25.51	25.45
16	26.70	26.58	26.43	26.37	25.89	---	25.70	25.68	25.62	25.69	25.53	25.45
17	26.76	26.61	26.50	26.34	25.98	---	25.78	25.64	25.57	25.70	25.54	25.42
18	26.75	26.59	26.47	26.25	25.97	---	25.80	25.65	25.54	25.70	25.57	25.47
19	26.72	26.55	26.24	26.17	26.02	---	25.79	25.64	25.50	25.65	25.60	25.50
20	26.63	26.54	26.27	26.34	26.00	---	25.78	25.61	25.50	25.62	25.60	25.52
21	26.62	26.45	26.37	26.35	26.01	---	25.81	25.58	25.51	25.62	25.59	25.50
22	26.73	26.53	26.39	26.37	25.99	---	25.82	25.57	25.53	25.57	25.58	25.47
23	26.76	26.55	26.39	26.30	25.96	---	25.78	25.65	25.55	25.57	25.59	25.53
24	26.72	26.54	26.42	26.19	25.98	---	25.79	25.70	25.58	25.60	25.58	25.56
25	26.68	26.54	26.39	26.31	26.05	---	25.78	25.70	25.57	25.58	25.56	25.58
26	26.64	26.52	26.38	26.32	26.02	---	25.68	25.69	25.61	25.59	25.55	25.64
27	26.59	26.48	26.37	26.17	---	---	25.71	25.65	25.65	25.62	25.51	25.66
28	26.56	26.48	26.42	26.26	---	---	25.79	25.63	25.67	25.65	25.50	25.61
29	26.66	26.45	26.49	26.21	---	---	25.75	25.61	25.70	25.64	25.49	25.61
30	26.73	26.52	26.48	26.14	---	---	25.56	25.64	25.67	25.65	25.49	25.63
31	26.71	---	26.34	26.04	---	---	---	25.75	---	25.64	25.49	---
MEAN	26.70	26.55	26.45	26.27	---	---	---	25.65	25.65	25.61	25.56	25.47
MAX	26.82	26.71	26.56	26.42	---	---	---	25.75	25.80	25.70	25.62	25.66
MIN	26.56	26.43	26.24	26.04	---	---	---	25.57	25.50	25.52	25.48	25.33





## GROUND-WATER LEVELS

## CHARLESTON COUNTY

324729079472001. Local number, CHN-14.

LOCATION.--Lat 32°47'29'', long 79°55'43'', Hydrologic Unit 03050202, Charleston, S C, 100 ft west of Concord St. and 50 ft south of Charlotte St.

OWNER: City of Charleston, SC.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled production well, diameter 6 inches, cased to 1887 ft, total depth 2007 ft, cased to 1887 ft, open hole from 1887 to 2007 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval.

DATUM.--Land-surface datum is 7.5 ft above sea level. Measuring point: Top of casing, 2.00 ft above land-surface datum.

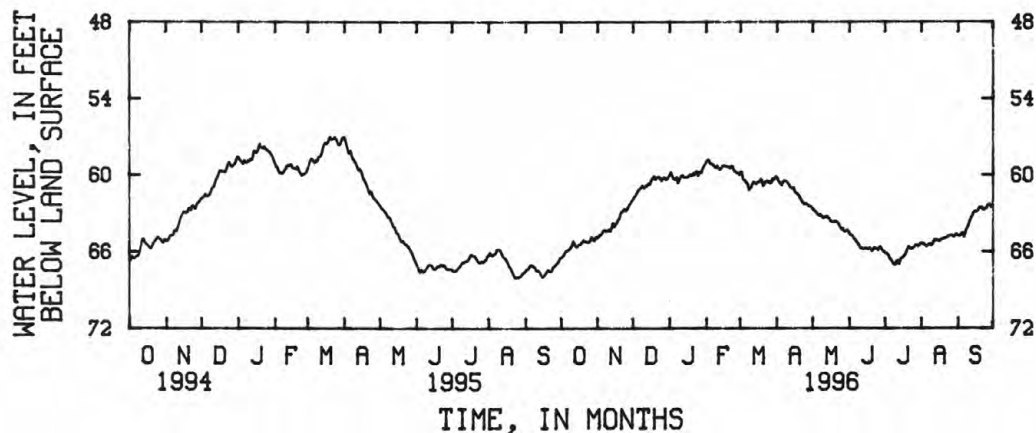
REMARKS.--Geophysical logs available in District files. Well logged to 1866 ft Jan 1990.

PERIOD OF RECORDS.--April 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.81 ft below land-surface datum, June 5, 1991; lowest 68.05 ft below land-surface datum, Aug. 23, 24, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66.45	64.92	61.87	59.98	58.93	59.80	60.24	62.72	64.67	66.17	65.34	64.74
2	66.39	64.82	61.77	59.79	58.81	59.81	60.48	62.79	64.74	66.18	65.35	64.75
3	66.25	64.69	61.61	59.98	58.81	60.30	60.60	62.90	64.80	66.25	65.44	64.74
4	66.14	64.69	61.47	60.26	59.05	60.44	60.73	62.97	64.90	66.35	65.53	64.58
5	65.98	64.52	61.24	60.36	59.14	60.47	60.83	63.12	65.03	66.55	65.60	64.54
6	65.92	64.39	61.15	60.36	59.19	60.64	60.54	63.22	65.18	66.69	65.56	64.86
7	65.86	64.32	61.05	60.17	59.25	60.77	60.46	63.14	65.30	66.83	65.48	64.60
8	65.80	64.39	60.96	60.65	59.35	61.21	60.49	63.22	65.43	66.93	65.45	64.28
9	65.67	64.35	60.86	60.46	59.44	61.12	60.53	63.34	65.55	67.06	65.54	64.12
10	65.55	64.37	61.00	60.30	59.28	61.01	60.68	63.39	65.75	67.05	65.43	63.86
11	65.18	64.25	60.99	60.05	59.40	60.77	60.81	63.34	65.77	66.75	65.25	63.62
12	65.38	64.41	60.86	60.02	59.55	60.59	60.99	63.32	65.82	66.71	65.07	63.38
13	65.53	63.99	60.80	60.18	59.56	60.63	61.05	63.26	65.85	66.99	65.13	63.19
14	65.65	63.78	60.67	60.18	59.44	60.72	61.08	63.40	65.81	66.67	65.08	62.97
15	65.56	64.05	60.73	60.20	59.29	60.64	61.03	63.48	65.80	66.56	65.13	62.88
16	65.49	63.91	60.55	60.16	59.30	60.58	61.36	63.65	65.81	66.50	65.20	62.84
17	65.49	63.80	60.33	60.15	59.29	60.55	61.44	63.69	65.85	66.41	65.11	62.86
18	65.35	63.56	60.19	59.99	59.34	60.38	61.52	63.71	65.78	66.27	65.03	62.72
19	65.29	63.46	60.08	60.01	59.35	60.42	61.64	63.69	65.84	66.08	65.01	62.54
20	65.09	63.16	60.38	60.05	59.39	60.88	61.78	63.67	66.00	65.88	64.98	62.55
21	65.18	62.93	60.21	59.88	59.49	60.79	61.98	63.71	65.87	65.65	64.95	62.54
22	65.20	62.87	60.17	59.98	59.33	60.59	62.14	63.79	65.76	65.72	64.93	62.68
23	65.22	62.71	60.16	59.81	59.33	60.50	62.22	63.89	65.77	65.82	64.84	62.72
24	65.29	62.69	60.32	59.72	59.61	60.57	62.33	64.13	65.82	65.80	64.78	62.62
25	65.23	62.80	60.47	60.07	59.76	60.51	62.28	64.28	65.90	65.70	64.74	62.60
26	65.10	62.68	60.37	59.80	59.79	60.66	62.30	64.25	65.79	65.65	64.72	62.41
27	64.86	62.46	60.22	59.81	59.86	60.63	62.43	64.40	65.67	65.52	64.75	62.30
28	65.04	62.31	60.25	59.82	59.91	60.37	62.48	64.45	65.81	65.52	64.82	62.30
29	65.18	62.19	60.40	59.44	59.98	60.39	62.50	64.43	65.98	65.59	64.81	62.50
30	64.99	62.06	60.27	59.29	---	60.27	62.56	64.38	66.02	65.53	64.68	62.46
31	64.87	---	60.13	59.16	---	60.16	---	64.45	---	65.40	64.66	---
MEAN	65.49	63.65	60.69	60.00	59.39	60.55	61.38	63.62	65.60	66.22	65.11	63.32
MAX	66.45	64.92	61.87	60.65	59.98	61.21	62.56	64.45	66.02	67.06	65.60	64.86
MIN	64.86	62.06	60.08	59.16	58.81	59.80	60.24	62.72	64.67	65.40	64.66	62.30



## 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. Highway 17 at elevated water tank, 0.6 mi west of Branch Creek, southwest of North Charleston.

Owner: U.S. Department of Agriculture.

AQUIFER.--Santee Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in, depth 434 ft. Open hole. Casing interval unknown.

INSTRUMENTATION.--Data collection platform--60 minute punch interval.

DATUM.--Land-surface datum is 9.4 ft above sea level. Measuring point: Top of casing, 0.65 ft above land-surface datum.

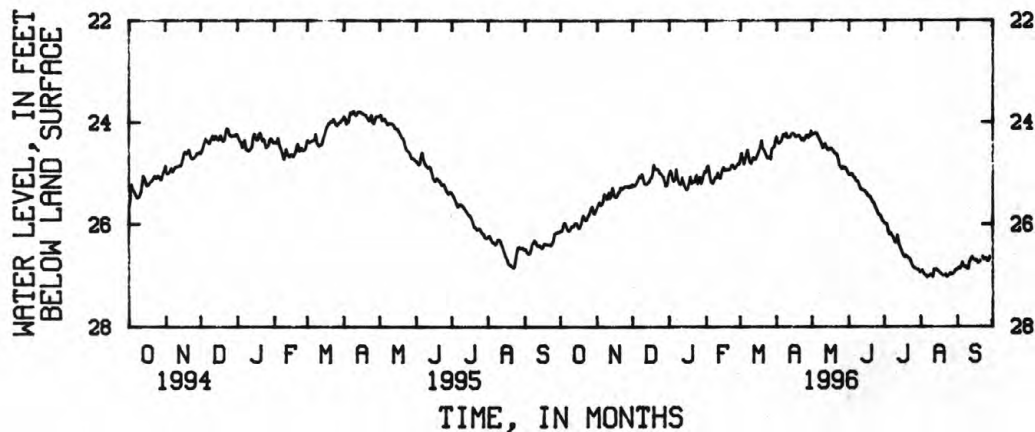
REMARKS.--Pump test data on file in District office. Electric and caliper logged Nov. 27, 1979, depth 428 ft.

PERIOD OF RECORD.--October 1980 to April 1981, February 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 13.54 ft below land-surface datum, Mar. 18, 1983; lowest, 27.04 ft below land-surface datum, Aug. 6, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.13	25.68	25.22	25.03	24.98	24.72	24.29	24.24	25.04	25.98	26.93	26.88
2	26.13	25.62	25.25	24.95	24.88	24.61	24.39	24.23	25.04	25.99	26.91	26.85
3	26.08	25.56	25.24	24.98	24.86	24.73	24.42	24.22	25.02	26.01	26.95	26.86
4	25.99	25.61	25.21	25.13	25.01	24.82	24.39	24.21	25.03	26.13	26.99	26.83
5	25.97	25.62	25.17	25.16	25.17	24.74	24.37	24.22	25.08	26.20	27.00	26.75
6	26.04	25.56	25.12	25.12	25.20	24.63	24.28	24.28	25.10	26.17	27.04	26.81
7	26.10	25.41	25.06	24.92	25.20	24.55	24.24	24.33	25.15	26.21	27.02	26.84
8	26.13	25.42	25.08	25.10	25.14	24.65	24.28	24.37	25.16	26.24	27.01	26.83
9	26.11	25.50	25.02	25.18	25.09	24.79	24.22	24.44	25.19	26.29	26.99	26.87
10	26.06	25.49	25.10	25.23	25.09	24.82	24.30	24.51	25.27	26.36	27.00	26.87
11	26.04	25.38	25.20	25.22	25.00	24.75	24.29	24.44	25.31	26.34	27.03	26.73
12	26.04	25.49	25.21	25.10	25.06	24.70	24.30	24.43	25.33	26.22	26.88	26.69
13	26.00	25.41	25.23	25.20	25.11	24.73	24.26	24.50	25.34	26.38	26.88	26.64
14	25.98	25.29	25.19	25.26	24.99	24.73	24.23	24.54	25.35	26.45	26.88	26.68
15	25.99	25.39	25.18	25.31	24.92	24.67	24.22	24.55	25.37	26.51	26.91	26.70
16	26.06	25.45	25.11	25.34	24.89	24.61	24.24	24.52	25.40	26.56	26.93	26.70
17	26.08	25.47	25.10	25.27	24.95	24.56	24.29	24.52	25.45	26.62	26.95	26.70
18	26.02	25.45	25.02	25.15	24.92	24.47	24.28	24.55	25.45	26.65	26.97	26.75
19	25.96	25.38	24.83	25.07	24.94	24.36	24.27	24.57	25.47	26.62	27.00	26.74
20	25.83	25.37	24.91	25.20	24.92	24.51	24.26	24.61	25.52	26.64	27.00	26.72
21	25.84	25.28	24.92	25.16	24.93	24.54	24.30	24.62	25.57	26.66	27.00	---
22	25.91	25.31	24.92	25.18	24.88	24.60	24.35	24.65	25.59	26.68	26.99	26.64
23	25.92	25.28	24.93	25.13	24.84	24.65	24.32	24.74	25.65	26.72	27.03	26.69
24	25.86	25.28	24.99	25.04	24.85	24.70	24.36	24.86	25.70	26.78	27.02	26.67
25	25.82	25.25	25.02	25.21	24.91	24.70	24.32	24.88	25.75	26.83	26.99	26.67
26	25.76	25.26	25.04	25.15	24.89	24.68	24.27	24.92	25.81	26.86	26.96	26.72
27	25.69	25.25	25.07	25.08	24.86	24.73	24.26	24.89	25.82	26.86	26.98	26.71
28	25.65	25.28	25.16	25.21	24.82	24.53	24.30	24.91	25.85	26.88	26.97	26.65
29	25.77	25.24	25.26	25.12	24.82	24.51	24.28	24.90	25.93	26.88	26.95	---
30	25.80	25.27	25.26	25.06	---	24.48	24.18	24.94	25.94	26.90	26.91	---
31	25.72	---	25.14	24.96	---	24.35	---	24.99	---	26.94	26.88	---
MEAN	25.95	25.41	25.10	25.14	24.97	24.63	24.29	24.57	25.42	26.50	26.97	26.75
MAX	26.13	25.68	25.26	25.34	25.20	24.82	24.42	24.99	25.94	26.94	27.04	26.88
MIN	25.65	25.24	24.83	24.92	24.82	24.35	24.18	24.21	25.02	25.98	26.88	26.64



## GROUND-WATER LEVELS

## 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 State Highway 913 and U.S. Highway junction, 200 ft south of U.S. 17, near McClellanville.

Owner: U.S. Forest Service.

AQUIFER.--Santee Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation, diameter 4 in, depth 91 ft, cased to 82 ft. Open hole from 82 to 91 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 22 ft above sea level. Measuring point: Top of casing, 0.40 ft above land-surface datum.

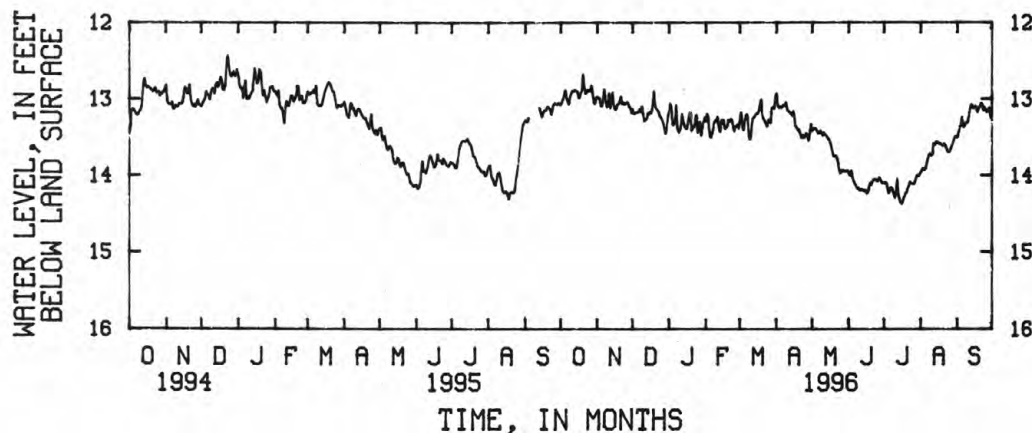
REMARKS.--Water-quality data available in District files. Gamma logged Feb. 15, 1980 to 91 ft. Gamma logged Dec. 18, 1979 to 90 ft.

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

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 12.34 ft below land-surface datum, Mar. 18, 1983; lowest, 18.97 ft below land-surface datum, June 13, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.07	12.97	13.14	13.16	13.29	13.28	12.93	13.42	13.98	14.11	13.97	13.51
2	13.04	12.99	13.19	13.06	13.20	13.18	13.08	13.40	14.01	14.10	13.93	13.44
3	13.00	12.99	13.19	13.12	13.23	13.35	13.12	13.39	13.95	14.11	13.91	13.40
4	12.93	13.09	13.18	13.34	13.43	13.41	13.10	13.39	14.03	14.19	13.93	13.34
5	12.89	13.10	13.18	13.34	13.51	13.29	13.12	13.42	14.08	14.24	13.92	13.24
6	12.99	13.02	13.17	13.28	13.48	13.22	13.10	13.45	14.12	14.18	13.86	13.37
7	13.03	12.88	13.14	13.09	13.42	13.20	13.08	13.45	14.14	14.17	13.79	13.37
8	13.07	13.00	13.17	13.38	13.31	13.37	13.09	13.42	14.18	14.19	13.74	13.32
9	12.97	13.11	13.10	13.44	13.28	13.53	13.05	13.45	14.17	14.24	13.72	13.32
10	12.92	13.09	13.22	13.42	13.29	13.53	13.15	13.48	14.20	14.30	13.74	13.31
11	12.89	12.93	13.29	13.35	13.24	13.35	13.16	13.45	14.19	14.24	13.73	13.19
12	12.90	13.12	13.28	13.20	13.37	13.25	13.18	13.47	14.19	14.05	13.59	13.12
13	12.88	13.04	13.26	13.31	13.43	13.24	13.20	13.48	14.20	14.26	13.60	13.07
14	12.89	12.92	13.19	13.35	13.29	13.22	13.22	13.52	14.21	14.32	13.57	13.11
15	12.90	13.08	13.20	13.39	13.27	13.19	13.17	13.53	14.20	14.37	13.57	13.12
16	12.97	13.13	13.17	13.39	13.28	13.19	13.24	13.56	14.24	14.38	13.58	13.10
17	12.98	13.14	13.18	13.31	13.39	13.16	13.36	13.60	14.23	14.33	13.58	13.10
18	12.92	13.08	13.08	13.21	13.38	13.09	13.38	13.71	14.16	14.30	13.59	13.17
19	12.89	13.07	12.90	13.18	13.37	13.01	13.42	13.75	14.11	14.24	13.60	13.13
20	12.68	13.05	13.08	13.42	13.28	13.21	13.41	13.76	14.13	14.23	13.62	13.11
21	12.81	12.97	13.13	13.38	13.30	13.27	13.48	13.75	14.08	14.16	13.59	13.06
22	12.93	13.06	13.15	13.37	13.27	13.29	13.52	13.78	14.06	14.13	13.61	13.06
23	12.92	13.05	13.16	13.29	13.27	13.34	13.48	13.85	14.06	14.09	13.66	13.15
24	12.89	13.07	13.22	13.21	13.34	13.37	13.52	13.95	14.06	14.11	13.69	13.11
25	12.89	13.06	13.24	13.44	13.43	13.28	13.50	13.98	14.08	14.11	13.70	13.14
26	12.90	13.05	13.27	13.38	13.37	13.29	13.45	13.94	14.07	14.12	13.68	13.17
27	12.83	13.05	13.31	13.30	13.36	13.32	13.48	13.94	14.03	14.09	13.63	13.15
28	12.88	13.11	13.40	13.48	13.34	13.12	13.55	13.95	14.06	14.05	13.60	13.12
29	13.05	13.11	13.46	13.37	13.39	13.11	13.45	13.95	14.10	14.00	13.56	13.21
30	13.07	13.18	13.39	13.30	---	13.13	13.33	13.95	14.10	14.01	13.51	13.25
31	12.99	---	13.23	13.24	---	12.99	---	13.94	---	13.99	13.49	---
MEAN	12.93	13.05	13.20	13.31	13.34	13.25	13.28	13.65	14.11	14.17	13.69	13.21
MAX	13.07	13.18	13.46	13.48	13.51	13.53	13.55	13.98	14.24	14.38	13.97	13.51
MIN	12.68	12.88	12.90	13.06	13.20	12.99	12.93	13.39	13.95	13.99	13.49	13.06



## GROUND-WATER LEVELS

## CHEROKEE COUNTY

350927081270100. Local number, CRK-67.

LOCATION.--Lat 35°09'27'', long 81°27'01'', Hydrologic Unit 03050105, Northeast of Blacksburg, 2400 East Cherokee St., in front of lot.

Owner: Calvin Tessner.

AQUIFER.--Paleozoic Schist.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in, depth 405 ft, cased to 66 ft, open hole from 66 to 405 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 805 ft above sea level. Measuring point: Top of casing, 2.04 ft above land-surface datum.

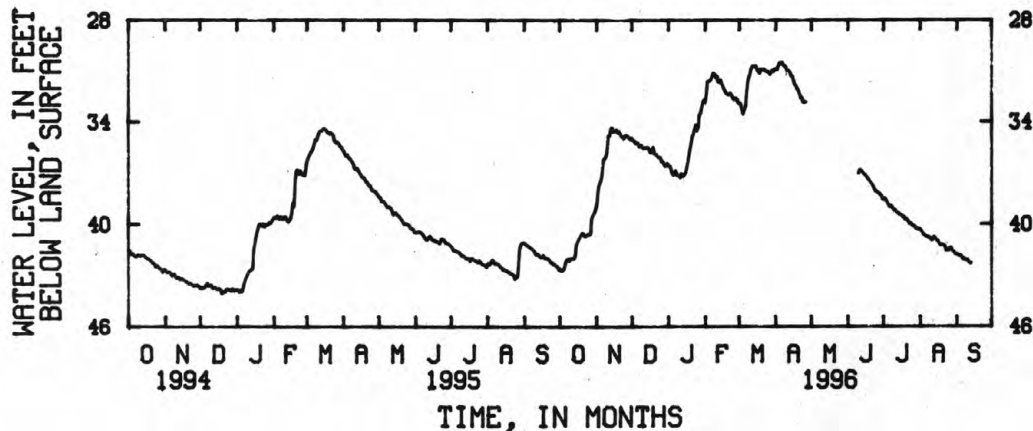
REMARKS.--Geophysical logs available in District files.

PERIOD OF RECORD.--October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 30.50 ft below land-surface datum, Apr. 6, 1996; lowest, 45.37 ft below land-surface datum, Dec. 30, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.63	38.94	34.95	36.57	32.86	32.91	30.88	---	---	38.59	40.33	41.82
2	42.77	38.15	35.09	36.59	32.38	32.93	30.91	---	---	38.51	40.47	41.84
3	42.71	37.71	35.11	36.74	31.63	32.23	30.72	---	---	38.61	40.55	41.89
4	42.71	37.56	35.26	37.02	31.60	33.54	30.53	---	---	38.74	40.65	41.88
5	42.50	37.36	35.23	37.12	31.57	33.34	30.56	---	---	38.87	40.68	41.93
6	42.24	36.95	35.24	37.06	31.45	33.13	30.50	---	---	39.00	40.75	42.09
7	42.09	36.20	35.43	36.88	31.31	32.27	30.59	---	---	38.93	40.76	42.06
8	42.06	36.15	35.45	37.13	31.12	31.68	30.69	---	---	39.04	40.82	42.14
9	42.15	36.00	35.37	37.14	31.16	31.36	30.72	---	---	39.12	40.84	42.15
10	42.03	35.64	35.51	37.23	31.36	31.16	30.91	---	37.02	39.19	40.92	42.14
11	42.01	34.82	35.56	37.29	31.28	30.87	30.97	---	36.83	39.21	40.98	42.26
12	42.01	34.79	35.53	37.04	31.64	30.73	30.98	---	36.89	39.33	40.80	42.28
13	42.00	34.42	35.54	37.17	31.69	30.73	31.08	---	36.94	39.34	40.80	42.32
14	41.84	34.33	35.51	37.14	31.54	30.73	31.30	---	37.03	39.46	40.87	---
15	41.18	34.55	35.53	37.06	31.71	30.71	31.32	---	37.12	39.47	40.99	---
16	41.02	34.55	35.65	36.81	31.90	30.90	31.59	---	37.17	39.50	41.04	---
17	40.88	34.52	35.82	36.51	32.09	31.01	31.80	---	37.28	39.60	41.19	---
18	40.73	34.48	35.76	36.19	32.18	31.13	31.90	---	37.40	39.57	41.27	---
19	40.63	34.64	35.50	35.65	32.36	30.91	32.08	---	37.47	39.76	41.25	---
20	40.52	34.57	35.87	35.30	32.37	30.93	32.16	---	37.55	39.72	41.25	---
21	40.52	34.69	35.90	34.88	32.41	30.90	32.39	---	37.66	39.80	41.30	---
22	40.68	34.83	35.98	34.75	32.35	30.91	32.60	---	37.77	39.89	41.34	---
23	40.68	34.87	36.04	34.40	32.37	30.99	32.61	---	37.89	40.01	41.59	---
24	40.62	34.97	36.12	34.18	32.57	31.01	32.83	---	38.07	39.99	41.51	---
25	40.57	34.87	36.10	34.51	32.68	31.04	32.87	---	38.10	40.07	41.60	---
26	40.58	34.79	36.34	34.36	32.65	31.08	32.86	---	38.17	40.14	41.42	---
27	40.54	34.80	36.32	33.60	32.64	31.20	---	---	38.21	40.14	41.40	---
28	39.63	34.87	36.48	33.47	32.67	31.09	---	---	38.27	40.29	41.55	---
29	39.42	34.98	36.60	33.20	32.91	30.97	---	---	38.36	40.27	41.61	---
30	39.33	35.02	36.57	32.88	---	31.02	---	---	38.53	40.34	41.73	---
31	39.14	---	36.47	32.71	---	30.89	---	---	---	40.32	41.79	---
MEAN	41.24	35.50	35.74	35.76	32.02	31.46	---	---	---	39.51	41.10	---
MAX	42.77	38.94	36.60	37.29	32.91	33.54	---	---	---	40.34	41.79	---
MIN	39.14	34.33	34.95	32.71	31.12	30.71	---	---	---	38.51	40.33	---





## GROUND-WATER LEVELS

## CHESTER COUNTY

344000081250011. Local number, CTR-21.

LOCATION.--Lat 34°40'27'', long 81°24'55'', Hydrologic Unit 03050106, Northeast of Leeds, Leeds Fire Tower, 85 ft from center of fire tower.

Owner: U.S. Forest Service.

AQUIFER.--Paleozoic Metaigneous Rocks.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in, depth 93 ft, cased to 40 ft, open hole from 40 to 93 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 665 ft above sea level. Measuring point: Top of casing, 0.63 ft above land-surface datum.

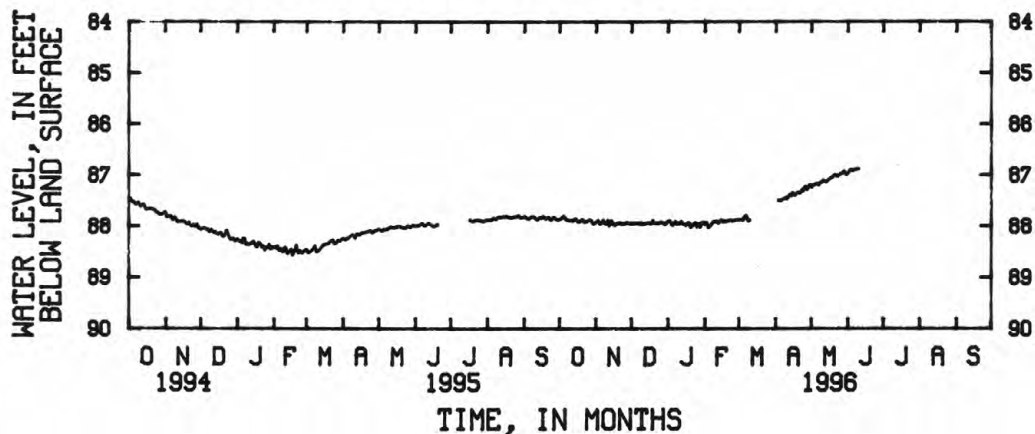
REMARKS.--Geophysical logs available in District files.

PERIOD OF RECORD.--January 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 85.24 ft below land-surface datum, Jan. 5, 1994; lowest, 88.57 ft below land-surface datum, Feb. 17, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87.87	87.93	87.94	87.91	87.97	87.88	---	87.24	86.97	---	---	---
2	87.86	87.91	87.95	87.90	87.93	87.88	---	87.20	86.93	---	---	---
3	87.84	87.90	87.95	87.92	87.97	87.87	87.49	87.20	86.90	---	---	---
4	87.81	87.95	87.94	87.97	88.02	87.89	87.49	87.18	86.90	---	---	---
5	87.81	87.95	87.95	87.98	88.01	87.86	87.50	87.18	86.91	---	---	---
6	87.86	87.93	87.94	87.96	87.99	87.81	87.48	87.17	86.90	---	---	---
7	87.87	87.88	87.95	87.91	87.96	87.79	87.47	87.19	86.89	---	---	---
8	87.88	87.94	87.96	87.96	87.92	87.87	87.46	87.16	86.89	---	---	---
9	87.89	87.96	87.94	87.94	87.92	87.90	87.44	87.15	86.88	---	---	---
10	87.89	87.95	87.97	87.96	87.92	87.89	87.46	87.14	86.88	---	---	---
11	87.89	87.89	87.96	87.95	87.90	---	87.44	87.10	---	---	---	---
12	87.90	87.99	87.96	87.91	87.94	---	87.40	87.11	---	---	---	---
13	87.89	87.94	87.96	87.95	87.93	---	87.38	87.13	---	---	---	---
14	87.85	87.90	87.94	87.96	87.89	---	87.40	87.13	---	---	---	---
15	87.87	87.95	87.94	87.97	87.89	---	87.35	87.10	---	---	---	---
16	87.90	87.97	87.94	87.98	87.91	---	87.38	87.08	---	---	---	---
17	87.92	87.98	87.96	87.97	87.91	---	87.39	87.07	---	---	---	---
18	87.91	87.96	87.94	87.93	87.90	---	87.37	87.06	---	---	---	---
19	87.90	87.95	87.89	87.96	87.91	---	87.35	87.04	---	---	---	---
20	87.87	87.95	87.94	88.02	87.90	---	87.34	87.01	---	---	---	---
21	87.88	87.93	87.94	88.00	87.90	---	87.35	87.00	---	---	---	---
22	87.92	87.96	87.94	87.99	87.89	---	87.33	87.00	---	---	---	---
23	87.92	87.95	87.94	87.95	87.89	---	87.29	87.02	---	---	---	---
24	87.91	87.96	87.95	87.94	87.90	---	87.31	87.01	---	---	---	---
25	87.90	87.96	87.93	88.01	87.90	---	87.25	86.99	---	---	---	---
26	87.89	87.94	87.93	87.97	87.89	---	87.22	86.98	---	---	---	---
27	87.88	87.93	87.93	87.96	87.89	---	87.28	86.96	---	---	---	---
28	87.89	87.94	87.95	88.02	87.88	---	87.27	86.94	---	---	---	---
29	87.94	87.94	87.97	87.96	87.88	---	87.20	86.93	---	---	---	---
30	87.95	87.96	87.96	87.93	---	---	87.19	86.98	---	---	---	---
31	87.94	---	87.92	87.93	---	---	---	86.99	---	---	---	---
MEAN	87.89	87.94	87.94	87.96	87.92	---	---	87.08	---	---	---	---
MAX	87.95	87.99	87.97	88.02	88.02	---	---	87.24	---	---	---	---
MIN	87.81	87.88	87.89	87.90	87.88	---	---	86.93	---	---	---	---





## GROUND-WATER LEVELS

## COLLETON COUNTY

330256080354500. Local number, COL-97.

LOCATION.--Lat 33°02'51'', long 80°35'52'', Hydrologic Unit 03050208, 1.6 mi southeast of Canadys, at intersection of State Highway 61 and State Road 45.

Owner: South Carolina Department of Natural Resources.

AQUIFER.--Santee Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 342 ft, cased to 134.4 ft, open hole from 134.4 to 342 ft.

INSTRUMENTATION.--Water stage recorder--60 minute collection interval.

DATUM.--Land-surface datum is 84 ft above sea level. Measuring point: Top of platform, 1.70 ft (revised) above land-surface datum.

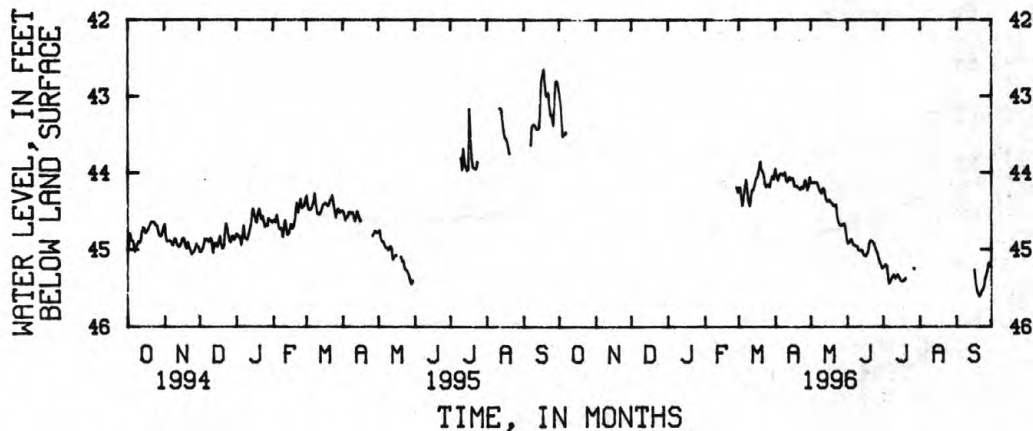
REMARKS.--Original depth, 500 ft. Caliper log, December 1993, depth 343 ft. Measured Jan. 17, 1979, depth 356 ft. Caliper, electric, and gamma logs available in District files.

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 45.61 ft below land-surface datum, Sept. 20, 1996.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.92	---	---	---	---	44.21	43.95	44.13	44.92	45.24	---	---
2	43.05	---	---	---	---	44.19	44.06	44.13	44.92	45.22	---	---
3	43.25	---	---	---	---	44.31	44.10	44.13	44.89	45.20	---	---
4	43.53	---	---	---	---	44.43	44.05	44.13	44.87	45.21	---	---
5	43.50	---	---	---	---	44.33	44.02	44.13	44.91	45.37	---	---
6	43.50	---	---	---	---	44.18	44.01	44.13	44.95	45.44	---	---
7	43.48	---	---	---	---	44.09	44.02	44.17	44.95	45.41	---	---
8	---	---	---	---	---	44.19	44.04	44.22	44.96	45.38	---	---
9	---	---	---	---	---	44.37	44.00	44.25	44.96	45.35	---	---
10	---	---	---	---	---	44.43	44.10	44.27	45.01	45.33	---	---
11	---	---	---	---	---	44.33	44.12	44.21	45.01	45.37	---	---
12	---	---	---	---	---	44.23	44.10	44.21	45.02	45.36	---	---
13	---	---	---	---	---	44.22	44.06	44.30	45.01	45.33	---	---
14	---	---	---	---	---	44.18	44.09	44.36	45.06	45.35	---	---
15	---	---	---	---	---	44.10	44.07	44.38	45.08	45.38	---	---
16	---	---	---	---	---	44.06	44.09	44.36	45.09	45.41	---	45.27
17	---	---	---	---	---	44.04	44.17	44.36	45.07	45.41	---	45.43
18	---	---	---	44.68	---	43.93	44.18	44.39	45.04	45.41	---	45.53
19	---	---	---	---	---	43.86	44.18	44.40	44.94	45.40	---	45.57
20	---	---	---	---	---	43.95	44.19	44.43	44.89	45.38	---	45.61
21	---	---	---	---	---	43.98	44.21	44.43	44.89	---	---	45.60
22	---	---	---	---	---	44.04	44.22	44.42	44.90	---	---	45.55
23	---	---	---	---	---	44.15	44.19	44.54	44.92	---	---	45.53
24	---	---	---	---	---	44.19	44.21	44.63	44.96	---	---	45.49
25	---	---	---	---	---	44.16	44.19	44.67	45.02	---	---	45.38
26	---	---	---	---	---	44.16	44.10	44.69	45.05	---	---	45.34
27	---	---	---	---	---	44.19	44.13	44.69	45.12	45.25	---	45.26
28	---	---	---	---	44.19	44.10	44.23	44.68	45.17	---	---	45.18
29	---	---	---	---	44.25	44.05	44.19	44.67	45.20	---	---	45.18
30	---	---	---	---	---	44.08	44.06	44.72	45.25	---	---	45.22
31	---	---	---	---	---	44.02	---	44.85	---	---	---	---
MEAN	---	---	---	---	---	44.15	44.11	44.39	45.00	---	---	---
MAX	---	---	---	---	---	44.43	44.23	44.85	45.25	---	---	---
MIN	---	---	---	---	---	43.86	43.95	44.13	44.87	---	---	---



## GROUND-WATER LEVELS

457

## 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 well, diameter 8 in, depth 535 ft, screened intervals 235-240, 260-270, 410-415, 480-485, 505-515 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 145 ft above sea level. Measuring point: Top of casing, 0.71 ft above land-surface datum.

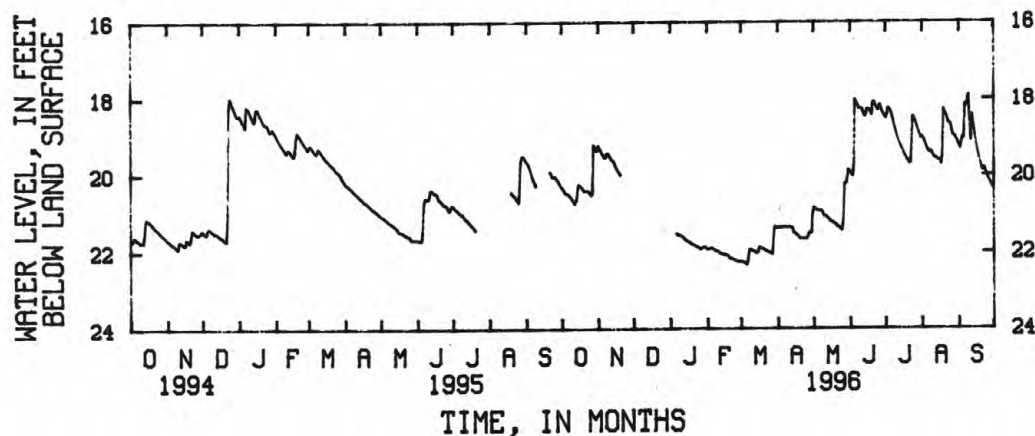
REMARKS.--Geophysical logs available in District files. Water-quality data on file in District office.

PERIOD OF RECORD.--June 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 13.14 ft below land-surface datum, Apr. 10, 1983; lowest, 24.78 ft below land-surface datum, June 5, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.32	19.22	---	---	21.92	22.26	21.37	20.85	19.94	18.52	19.02	19.25
2	20.38	19.30	---	---	21.94	22.27	21.36	20.86	19.98	18.46	19.06	19.31
3	20.43	19.36	---	---	21.92	22.28	21.37	20.91	20.03	18.26	19.13	19.18
4	20.47	19.41	---	---	21.91	22.29	21.36	20.93	19.70	18.28	19.22	19.03
5	20.48	19.46	---	---	21.91	22.32	21.36	20.93	18.03	18.34	19.31	19.05
6	20.49	19.52	---	21.53	21.93	22.32	21.36	20.94	18.08	18.42	19.39	18.15
7	20.53	19.53	---	21.56	21.94	22.10	21.36	20.94	18.15	18.53	19.42	18.20
8	20.56	19.44	---	21.56	21.97	21.94	21.36	20.94	18.25	18.69	19.38	18.10
9	20.61	19.43	---	21.57	21.98	21.94	21.36	21.02	18.26	18.80	19.44	17.90
10	20.66	19.46	---	21.59	21.99	21.96	21.36	21.07	18.26	18.92	19.49	18.63
11	20.69	19.53	---	21.61	22.02	21.98	21.36	21.07	18.28	19.03	19.54	19.10
12	20.74	19.58	---	21.64	22.04	21.99	21.37	21.10	18.39	19.11	19.57	18.43
13	20.69	19.60	---	21.67	22.05	22.02	21.38	21.14	18.47	19.18	19.57	18.61
14	20.49	19.64	---	21.70	22.06	22.03	21.51	21.16	18.43	19.27	19.61	18.86
15	20.26	19.73	---	21.72	22.07	22.00	21.52	21.21	18.29	19.34	19.62	19.07
16	20.26	19.80	---	21.73	22.07	21.89	21.55	21.23	18.29	19.40	19.62	19.30
17	20.28	19.85	---	21.75	22.08	21.89	21.57	21.24	18.30	19.48	19.72	19.47
18	20.32	19.90	---	21.79	22.09	21.91	21.62	21.27	18.37	19.54	19.47	19.59
19	20.36	19.95	---	21.80	22.11	21.92	21.65	21.29	18.42	19.61	18.28	19.69
20	20.40	19.99	---	21.81	22.17	21.93	21.66	21.30	18.11	19.65	18.35	19.80
21	20.40	---	---	21.83	22.17	21.95	21.66	21.36	18.09	19.70	18.43	19.89
22	20.40	---	---	21.85	22.19	21.97	21.66	21.36	18.19	19.70	18.52	19.82
23	20.41	---	---	21.86	22.20	21.99	21.66	21.40	18.23	19.22	18.62	19.88
24	20.42	---	---	21.88	22.22	22.01	21.66	21.43	18.30	18.47	18.66	19.97
25	20.48	---	---	21.90	22.23	22.02	21.66	21.45	18.28	18.50	18.67	20.07
26	20.52	---	---	21.92	22.24	22.04	21.62	21.19	18.17	18.62	18.87	20.14
27	20.47	---	---	21.92	22.25	22.06	21.52	20.22	18.22	18.70	18.96	20.20
28	19.20	---	---	21.90	22.26	21.59	21.52	20.22	18.34	18.79	18.98	20.25
29	19.26	---	---	21.89	22.26	21.34	21.52	20.17	18.41	18.87	19.03	20.31
30	19.34	---	---	21.89	---	21.35	20.98	19.87	18.46	18.96	19.09	20.37
31	19.35	---	---	21.90	---	21.38	---	19.90	---	19.04	19.18	---
MEAN	20.31	---	---	21.76	22.08	21.97	21.48	20.97	18.49	18.95	19.14	19.32
MAX	20.74	---	---	21.92	22.26	22.32	21.66	21.45	20.03	19.70	19.72	20.37
MIN	19.20	---	---	21.53	21.91	21.34	20.98	19.87	18.03	18.26	18.28	17.90



## GROUND-WATER LEVELS

## FLORENCE COUNTY

341200079444100. Local number, FLO-99.

LOCATION.--Lat 34°12'00'', long 79°44'41'', Hydrologic Unit 03040201, located near the railroad tracks off East Day Street at the old ice plant site, in Florence.

Owner: R. L. Sheppard, Sr.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation, diameter 8 in, depth 216 ft, casing depth and screened intervals unknown.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 145 ft above sea level. 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.

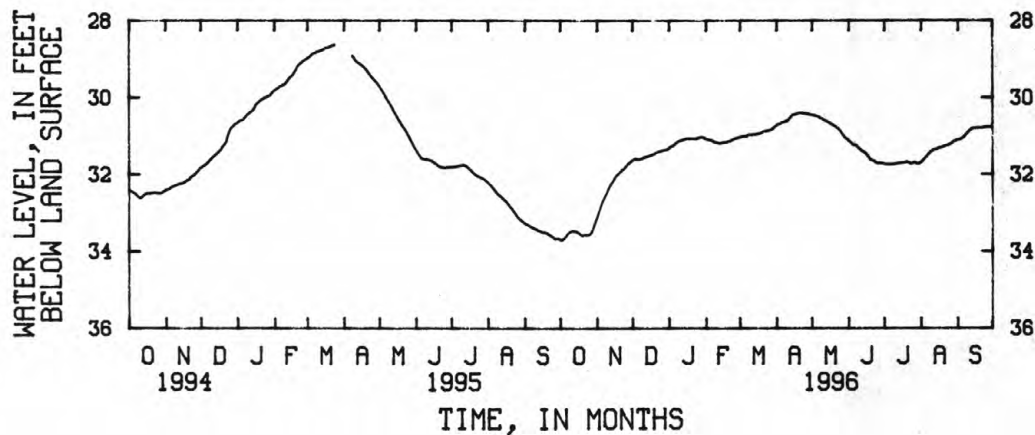
Obstruction between 30 to 40 ft. Water-quality data available in District files.

PERIOD OF RECORD.--June 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 27.26 ft below land-surface datum, May 4, 1983; lowest, 35.02 ft below land-surface datum, Sept. 13, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.71	33.11	31.63	31.30	31.07	31.03	30.73	30.45	31.14	31.74	31.70	31.10
2	33.71	33.02	31.61	31.27	31.08	31.02	30.70	30.45	31.16	31.75	31.67	31.10
3	33.70	32.92	31.59	31.26	31.09	31.01	30.69	30.46	31.19	31.75	31.63	31.09
4	33.68	32.83	31.60	31.25	31.09	31.01	30.68	30.47	31.22	31.75	31.59	31.08
5	33.65	32.75	31.60	31.22	31.10	31.01	30.66	30.48	31.25	31.75	31.56	31.06
6	33.60	32.68	31.60	31.19	31.11	31.01	30.65	30.49	31.24	31.75	31.53	31.03
7	33.55	32.62	31.60	31.17	31.13	30.99	30.64	30.51	31.25	31.75	31.49	31.00
8	33.52	32.54	31.59	31.15	31.15	30.97	30.63	30.53	31.28	31.75	31.46	30.96
9	33.50	32.47	31.59	31.14	31.16	30.97	30.61	30.54	31.32	31.75	31.43	30.93
10	33.49	32.41	31.56	31.12	31.16	30.97	30.60	30.56	31.35	31.74	31.40	30.89
11	33.47	32.35	31.55	31.11	31.17	30.97	30.57	30.58	31.38	31.74	31.38	30.86
12	33.47	32.28	31.54	31.10	31.18	30.96	30.54	30.60	31.40	31.73	31.36	30.84
13	33.48	32.23	31.53	31.09	31.18	30.96	30.50	30.61	31.42	31.72	31.36	30.81
14	33.48	32.19	31.52	31.08	31.19	30.96	30.47	30.62	31.44	31.72	31.35	30.80
15	33.49	32.14	31.51	31.07	31.17	30.95	30.45	30.65	31.46	31.72	31.34	30.80
16	33.51	32.09	31.50	31.07	31.17	30.94	30.44	30.66	31.49	31.72	31.32	30.80
17	33.54	32.05	31.49	31.07	31.16	30.94	30.43	30.69	31.54	31.71	31.31	30.80
18	33.56	32.01	31.48	31.07	31.16	30.93	30.42	30.71	31.58	31.71	31.31	30.79
19	33.58	31.98	31.47	31.07	31.16	30.92	30.41	30.72	31.62	31.70	31.29	30.79
20	33.59	31.95	31.45	31.07	31.15	30.90	30.40	30.74	31.64	31.69	31.28	30.79
21	33.58	31.92	31.43	31.07	31.14	30.88	30.40	30.77	31.65	31.70	31.27	30.79
22	33.57	31.88	31.42	31.07	31.13	30.87	30.40	30.79	31.66	31.71	31.26	30.79
23	33.58	31.86	31.41	31.07	31.11	30.87	30.40	30.81	31.68	31.73	31.25	30.78
24	33.58	31.83	31.40	31.07	31.09	30.86	30.41	30.84	31.71	31.73	31.25	30.78
25	33.57	31.80	31.39	31.05	31.08	30.86	30.41	30.88	31.72	31.72	31.22	30.77
26	33.55	31.76	31.38	31.05	31.07	30.85	30.41	30.92	31.72	31.71	31.21	30.77
27	33.52	31.73	31.37	31.04	31.06	30.84	30.42	30.97	31.72	31.71	31.19	30.77
28	33.44	31.71	31.36	31.03	31.05	30.83	30.42	31.02	31.72	31.73	31.16	30.77
29	33.35	31.67	31.36	31.03	31.04	30.79	30.44	31.06	31.72	31.73	31.14	30.77
30	33.28	31.65	31.35	31.04	---	30.77	30.45	31.08	31.73	31.73	31.13	30.78
31	33.20	---	31.34	31.05	---	30.75	---	31.10	---	31.72	31.11	---
MEAN	33.53	32.21	31.49	31.11	31.12	30.92	30.51	30.70	31.48	31.73	31.35	30.87
MAX	33.71	33.11	31.63	31.30	31.19	31.03	30.73	31.10	31.73	31.75	31.70	31.10
MIN	33.20	31.65	31.34	31.03	31.04	30.75	30.40	30.45	31.14	31.69	31.11	30.77



## GROUND-WATER LEVELS

## 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 State Hwy. 76.

Owner: E. I. DuPont, de Nemours Co.

AQUIFER.--Middendorf and Cape Fear Formations.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 695 ft cased to 690 ft, screened intervals 265-270, 275-290, 328-333, 376-381, 460-470, 680-690 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 96 ft above sea level. Measuring point: Top of casing, 2.60 ft above land-surface datum.

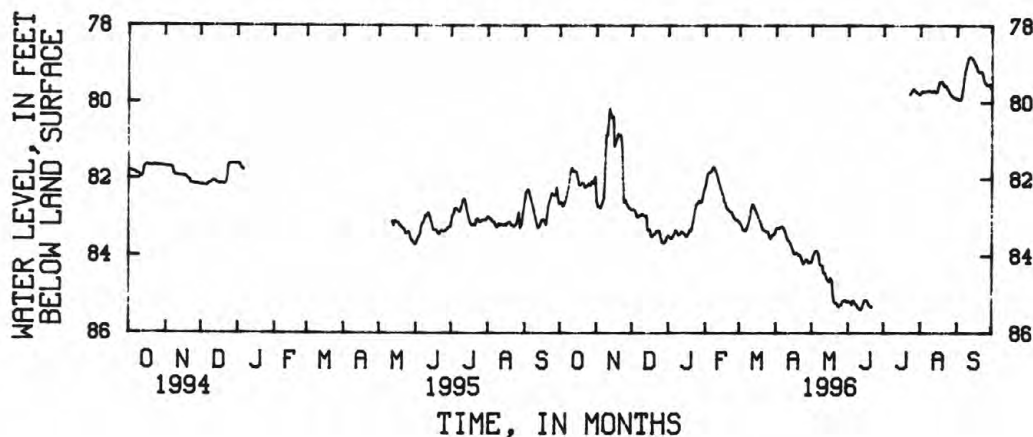
REMARKS.--1959 water-quality data on file in District office. Geophysical logged March 1959 to 800 ft, geophysical logged May 1982 to 695 ft. Water level affected by nearby pumpage.

PERIOD OF RECORD.--January 1982 to July 1986. June 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 54.28 ft below land-surface datum, Jan. 10, 1982; lowest, 91.12 ft below land-surface datum, Aug. 25, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82.65	82.60	82.81	83.49	82.20	83.14	83.31	84.17	85.19	---	79.78	79.89
2	82.62	82.73	82.81	83.52	82.02	83.18	83.28	84.02	85.20	---	79.71	79.93
3	82.71	82.74	82.83	83.55	81.87	83.25	83.29	83.95	85.20	---	79.71	79.92
4	82.70	82.77	82.88	83.54	81.83	83.33	83.28	83.89	85.27	---	79.72	79.93
5	82.63	82.72	82.99	83.50	81.83	83.34	83.26	83.88	85.18	---	79.71	79.82
6	82.52	82.62	83.01	83.43	81.79	83.36	83.25	83.89	85.18	---	79.71	79.55
7	82.36	82.54	82.96	83.34	81.73	83.31	83.28	84.04	85.25	---	79.70	79.37
8	82.22	81.96	82.97	83.38	81.69	83.24	83.34	84.22	85.27	---	79.69	79.13
9	82.03	80.85	82.94	83.46	81.75	83.14	83.41	84.26	85.34	---	79.70	79.02
10	81.79	80.89	82.94	83.45	81.82	82.96	83.53	84.26	85.36	---	79.70	78.90
11	81.72	80.52	82.96	83.43	81.90	82.76	83.60	84.45	85.41	---	79.72	78.83
12	81.80	80.18	82.98	83.38	82.04	82.67	83.63	84.44	85.41	---	79.70	78.81
13	81.80	80.33	82.97	83.40	82.17	82.69	83.69	84.51	85.32	---	79.70	78.82
14	81.81	80.40	83.32	83.42	82.25	82.76	83.76	84.62	85.24	---	79.74	78.86
15	81.84	80.38	83.35	83.46	82.34	82.86	83.85	84.66	85.16	---	79.72	78.91
16	82.01	81.16	83.34	83.50	82.47	82.94	83.95	84.67	85.15	---	79.58	78.99
17	82.14	81.04	83.47	83.47	82.60	83.00	83.96	84.60	85.17	---	79.46	79.04
18	82.18	80.98	83.52	83.40	82.65	83.07	83.94	84.65	85.25	---	79.47	79.16
19	82.14	80.83	83.46	83.34	82.77	83.15	83.95	85.07	85.30	---	79.45	79.20
20	82.12	80.87	83.45	83.35	82.79	83.26	83.98	85.21	85.32	---	79.51	79.21
21	82.13	80.85	83.41	83.24	82.83	83.33	84.00	85.24	85.33	---	79.57	79.20
22	82.23	81.00	83.36	83.07	82.86	83.34	84.05	85.23	---	---	79.55	79.21
23	82.22	81.58	83.37	82.88	82.86	83.36	84.16	85.31	---	79.78	79.59	79.35
24	82.20	82.63	83.35	82.69	82.92	83.38	84.22	85.33	---	79.74	79.64	79.45
25	82.13	82.55	83.49	82.64	83.01	83.38	84.16	85.30	---	79.69	79.71	79.51
26	82.17	82.64	83.62	82.62	83.04	83.45	84.11	85.28	---	79.65	79.77	79.54
27	82.17	82.69	83.67	82.57	83.07	83.55	84.11	85.21	---	79.69	79.81	79.56
28	82.07	82.75	83.68	82.62	83.08	83.52	84.17	85.18	---	79.71	79.84	79.54
29	82.12	82.77	83.65	82.59	83.10	83.47	84.18	85.16	---	79.74	79.87	79.57
30	82.04	82.81	83.59	82.46	---	83.45	84.17	85.16	---	79.77	79.88	79.63
31	81.96	---	83.51	82.29	---	83.42	---	85.21	---	79.79	79.91	---
MEAN	82.17	81.71	83.25	83.18	82.39	83.20	83.76	84.68	---	---	79.69	79.33
MAX	82.71	82.81	83.68	83.55	83.10	83.55	84.22	85.33	---	---	79.91	79.93
MIN	81.72	80.18	82.81	82.29	81.69	82.67	83.25	83.88	---	---	79.45	78.81





## 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.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 10 in from surface to 445 ft, 8 in from 445 ft to 748 ft, depth 748 ft, screened intervals 490-520, 580-660, 720-740 ft, gravel packed.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 22 ft above sea level. Measuring point: Top of casing, 2.10 ft above land-surface datum.

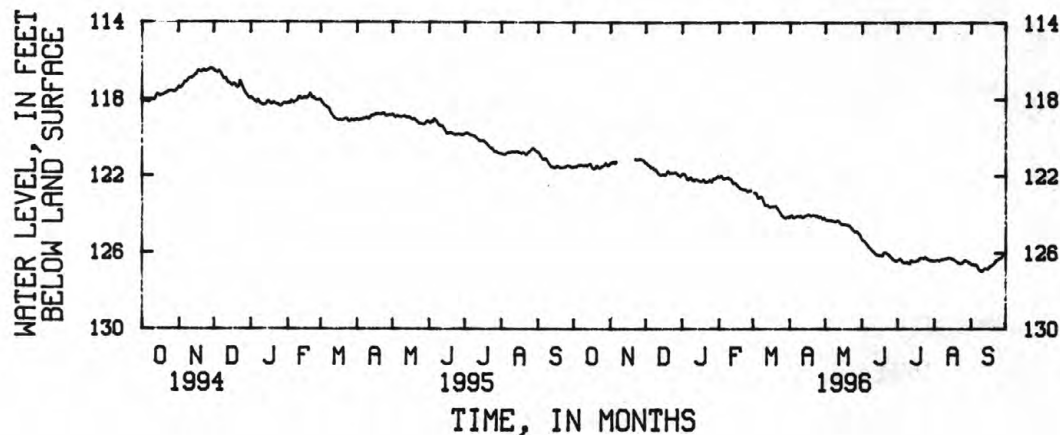
REMARKS.--Driller's log and geophysical logs available in District files.

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, 126.99 ft below land-surface datum, Sept. 10, 1996.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121.56	121.35	121.32	121.92	122.08	---	124.13	124.27	125.31	126.42	126.42	126.60
2	121.55	121.32	121.38	121.92	122.04	122.89	124.06	124.30	125.37	126.39	126.41	126.62
3	121.54	121.27	121.44	121.92	122.01	122.89	124.13	124.32	125.41	126.33	126.41	126.61
4	121.51	121.30	121.47	122.06	122.10	123.02	124.19	124.32	125.48	126.40	126.40	126.65
5	121.46	121.33	121.55	122.18	122.16	123.16	124.16	124.32	125.58	126.49	126.42	126.63
6	121.47	121.27	121.59	122.22	122.15	123.15	124.14	124.33	125.66	126.52	126.40	126.66
7	121.45	---	121.58	122.11	122.15	123.10	124.12	124.36	125.73	126.53	126.36	126.83
8	121.46	---	121.68	122.09	122.11	123.11	124.10	124.38	125.80	126.52	126.36	126.90
9	121.48	---	121.67	122.21	122.09	123.22	124.12	124.39	125.85	126.51	126.34	126.95
10	121.48	---	121.74	122.20	122.17	123.42	124.08	124.40	125.92	126.55	126.32	126.99
11	121.46	---	121.85	122.28	122.18	123.54	124.15	124.35	125.99	126.58	126.32	126.92
12	121.49	---	121.91	122.20	122.29	123.54	124.17	124.35	126.05	126.43	126.28	126.88
13	121.47	---	121.96	122.20	122.41	123.54	124.14	124.43	126.09	126.43	126.26	126.84
14	121.42	---	121.98	122.23	122.38	123.62	124.09	124.49	126.13	126.46	126.27	126.85
15	121.39	---	121.97	122.25	122.40	123.65	124.07	124.53	126.14	126.46	126.29	126.85
16	121.52	---	121.93	122.28	122.45	123.63	124.05	124.53	126.16	126.45	126.31	126.81
17	121.61	---	121.96	122.29	122.56	123.63	124.03	124.53	126.17	126.44	126.34	126.71
18	121.64	---	121.96	122.27	122.60	123.63	124.08	124.55	126.17	126.41	126.38	126.69
19	121.64	---	121.82	122.19	122.68	123.61	124.09	124.56	126.02	126.35	126.44	126.65
20	121.52	---	121.75	122.29	122.68	123.59	124.07	124.57	125.99	126.29	126.49	126.60
21	121.50	---	121.85	122.32	122.72	123.69	124.05	124.59	126.00	126.26	126.52	126.53
22	121.58	121.14	121.85	122.32	122.73	123.76	124.06	124.63	126.04	126.28	126.54	126.42
23	121.60	121.16	121.85	122.30	122.73	123.86	124.09	124.73	126.10	126.29	126.56	126.40
24	121.56	121.15	121.85	122.22	122.76	123.98	124.08	124.80	126.16	126.22	126.56	126.36
25	121.53	121.14	121.85	122.26	122.83	124.08	124.13	124.85	126.21	126.28	126.52	126.30
26	121.48	121.14	121.83	122.31	122.79	124.11	124.17	124.91	126.28	126.33	126.44	126.28
27	121.44	121.14	121.85	122.18	122.79	124.16	124.13	124.90	126.36	126.36	126.40	126.23
28	121.34	121.17	121.91	122.17	122.79	124.24	124.18	124.95	126.40	126.39	126.43	126.12
29	121.43	121.19	121.99	122.14	---	124.16	124.25	125.00	126.44	126.40	126.45	126.01
30	121.47	121.29	122.04	122.08	---	124.14	124.19	125.05	126.44	126.41	126.50	125.99
31	121.43	---	121.98	122.02	---	124.18	---	125.21	---	126.43	126.54	---
MEAN	121.50	---	121.79	122.18	---	---	124.12	124.58	125.98	126.41	126.41	126.60
MAX	121.64	---	122.04	122.32	---	---	124.25	125.21	126.44	126.58	126.56	126.99
MIN	121.34	---	121.32	121.92	---	---	124.03	124.27	125.31	126.22	126.26	125.99





## GROUND-WATER LEVELS

## GREENVILLE COUNTY

345335082185800. Local number, GRV-709.

LOCATION.--Lat 34°53'32'', long 82°17'47'', Hydrologic Unit 03050109, at Brushy Creek Elementary School northeast of Greenville.

Owner: School District of Greenville County.

AQUIFER.--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 from 6 to 80 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 948 ft above sea level. Measuring point: Top of casing, 1.73 ft above land-surface datum.

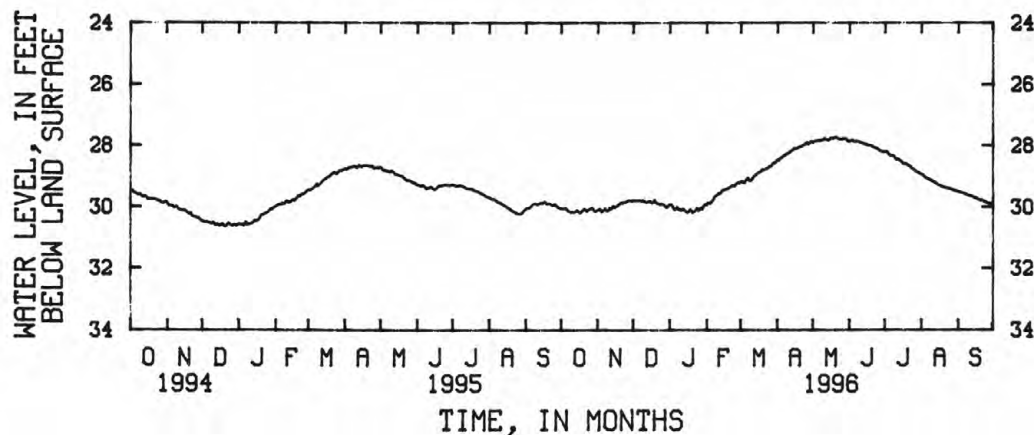
REMARKS.--Geophysical logs available in District files.

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, 35.62 ft below land-surface datum, Feb. 22 - 24, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.05	30.13	29.78	29.94	29.94	29.18	28.47	27.90	27.87	28.21	28.94	29.51
2	30.06	30.10	29.80	29.93	29.88	29.16	28.49	27.88	27.86	28.21	28.97	29.53
3	30.07	30.09	29.79	29.97	29.88	29.20	28.44	27.86	27.83	28.22	29.01	29.53
4	30.06	30.16	29.79	30.06	29.89	29.21	28.40	27.85	27.84	28.28	29.04	29.55
5	30.06	30.17	29.80	30.09	29.85	29.14	28.39	27.84	27.87	28.32	29.07	29.56
6	30.12	30.13	29.79	30.08	29.80	29.09	28.34	27.84	27.88	28.34	29.09	29.57
7	30.14	30.06	29.80	30.01	29.74	29.06	28.32	27.85	27.86	28.34	29.11	29.59
8	30.16	30.12	29.82	30.09	29.66	29.13	28.30	27.83	27.87	28.34	29.13	29.61
9	30.18	30.15	29.80	30.08	29.63	29.14	28.27	27.82	27.87	28.37	29.14	29.63
10	30.18	30.14	29.84	30.12	29.60	29.13	28.26	27.81	27.90	28.43	29.17	29.64
11	30.18	30.04	29.85	30.12	29.56	29.05	28.23	27.77	27.91	28.47	29.19	29.65
12	30.18	30.09	29.85	30.07	29.57	29.00	28.19	27.79	27.92	28.45	29.19	29.65
13	30.17	30.04	29.85	30.12	29.53	28.97	28.16	27.81	27.94	28.47	29.23	29.67
14	30.13	29.99	29.84	30.15	29.46	28.94	28.15	27.82	27.95	28.51	29.26	29.70
15	30.15	30.01	29.83	30.17	29.44	28.90	28.10	27.81	27.97	28.54	29.29	29.72
16	30.18	30.01	29.84	30.19	29.44	28.88	28.11	27.77	27.99	28.58	29.30	29.71
17	30.20	30.00	29.88	30.16	29.42	28.86	28.11	27.76	28.00	28.61	29.32	29.74
18	30.17	29.95	29.86	30.10	29.41	28.84	28.08	27.77	28.00	28.61	29.34	29.77
19	30.15	29.92	29.78	30.11	29.40	28.78	28.06	27.75	28.01	28.61	29.36	29.78
20	30.09	29.90	29.86	30.19	29.37	28.79	28.04	27.74	28.03	28.64	29.37	29.80
21	30.09	29.86	29.88	30.17	29.35	28.78	28.04	27.73	28.05	28.67	29.38	29.79
22	30.14	29.88	29.90	30.16	29.32	28.76	28.01	27.76	28.07	28.68	29.39	29.81
23	30.15	29.85	29.91	30.10	29.29	28.76	27.98	27.79	28.09	28.71	29.40	29.84
24	30.11	29.86	29.93	30.05	29.31	28.73	27.98	27.80	28.10	28.76	29.41	29.85
25	30.09	29.84	29.91	30.13	29.30	28.68	27.93	27.80	28.12	28.78	29.42	29.87
26	30.07	29.82	29.92	30.09	29.25	28.67	27.90	27.80	28.16	28.81	29.43	29.89
27	30.04	29.79	29.94	30.05	29.22	28.66	27.95	27.78	28.18	28.85	29.44	29.90
28	30.07	29.80	29.99	30.08	29.21	28.59	27.94	27.78	28.19	28.87	29.46	29.89
29	30.14	29.80	30.02	30.02	29.22	28.57	27.88	27.78	28.21	28.89	29.48	29.94
30	30.16	29.81	30.01	29.96	---	28.56	27.87	27.83	28.21	28.91	29.49	29.97
31	30.15	---	29.95	29.92	---	28.50	---	27.87	---	28.93	29.50	---
MEAN	30.13	29.98	29.86	30.08	29.52	28.89	28.15	27.81	27.99	28.56	29.27	29.72
MAX	30.20	30.17	30.02	30.19	29.94	29.21	28.49	27.90	28.21	28.93	29.50	29.97
MIN	30.04	29.79	29.78	29.92	29.21	28.50	27.87	27.73	27.83	28.21	28.94	29.51



## GROUND-WATER LEVELS

## GREENVILLE COUNTY

350622082373608. Local number, GRV-712.

LOCATION.--Lat 35°06'22'', long 82°37'36'', Hydrologic Unit 03050109, at Caesars Head State Park, near weather station.

Owner: South Carolina Department of Parks, Recreation, and Tourism.

AQUIFER.--Paleozoic Granite.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 450 ft, cased to 28 ft, open hole from 28 to 450 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 3150 ft above sea level. Measuring point: Top of casing, 0.46 ft above land-surface datum.

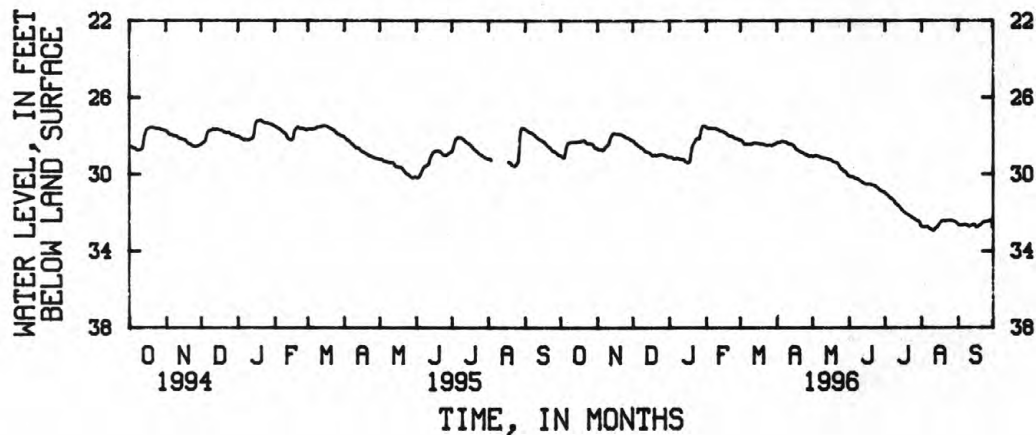
REMARKS.--Geophysical logs available in District files.

PERIOD OF RECORD.--October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 26.58 ft below land-surface datum, Aug. 18 - 19, 1994; lowest, 36.05 ft below land-surface datum, Nov. 23, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.04	28.70	28.25	29.10	27.54	28.22	28.35	29.10	30.12	30.98	32.73	32.61
2	29.11	28.72	28.29	29.11	27.58	28.25	28.35	29.09	30.14	31.03	32.76	32.66
3	29.15	28.72	28.39	29.13	27.58	28.34	28.35	29.07	30.15	31.08	32.76	32.67
4	29.16	28.72	28.41	29.19	27.58	28.42	28.32	29.05	30.16	31.14	32.76	32.67
5	28.88	28.76	28.48	29.20	27.59	28.43	28.29	29.06	30.20	31.22	32.75	32.67
6	28.53	28.73	28.53	29.20	27.59	28.43	28.30	29.08	30.23	31.27	32.75	32.65
7	28.39	28.63	28.55	29.16	27.59	28.43	28.30	29.11	30.23	31.31	32.79	32.65
8	28.35	28.57	28.63	29.17	27.59	28.43	28.32	29.13	30.26	31.36	32.86	32.66
9	28.33	28.52	28.65	29.20	27.60	28.44	28.33	29.15	30.30	31.43	32.89	32.68
10	28.32	28.47	28.74	29.21	27.66	28.44	28.39	29.17	30.36	31.53	32.92	32.73
11	28.32	28.29	28.80	29.24	27.66	28.41	28.42	29.17	30.39	31.57	32.95	32.72
12	28.32	28.09	28.83	29.24	27.70	28.38	28.43	29.18	30.44	31.64	32.89	32.69
13	28.32	27.97	28.87	29.25	27.73	28.38	28.44	29.21	30.49	31.71	32.81	32.66
14	28.32	27.88	28.87	29.34	27.73	28.38	28.48	29.23	30.52	31.79	32.78	32.64
15	28.31	27.86	28.91	29.36	27.75	28.38	28.52	29.25	30.52	31.84	32.66	32.64
16	28.30	27.87	28.94	29.40	27.78	28.39	28.62	29.26	30.52	31.93	32.59	32.76
17	28.30	27.89	29.02	29.40	27.83	28.39	28.70	29.28	30.52	31.99	32.51	32.76
18	28.28	27.89	29.05	29.37	27.86	28.44	28.75	29.35	30.53	32.03	32.45	32.73
19	28.27	27.89	29.02	28.92	27.94	28.43	28.78	29.38	30.55	32.04	32.42	32.68
20	28.26	27.91	29.02	28.56	27.98	28.45	28.81	29.39	30.57	32.08	32.42	32.64
21	28.26	27.91	29.05	28.39	28.00	28.46	28.86	29.41	30.58	32.13	32.43	32.59
22	28.31	27.95	29.03	28.29	28.00	28.50	28.89	29.44	30.60	32.17	32.42	32.52
23	28.36	27.99	29.00	28.21	28.02	28.51	28.90	29.56	30.63	32.22	32.41	32.50
24	28.38	28.03	28.99	28.13	28.06	28.51	28.95	29.64	30.70	32.27	32.41	32.50
25	28.39	28.06	28.99	28.14	28.13	28.50	28.99	29.72	30.74	32.30	32.41	32.48
26	28.40	28.10	28.99	28.14	28.14	28.50	28.99	29.75	30.79	32.33	32.41	32.47
27	28.41	28.11	28.99	27.87	28.16	28.52	29.03	29.86	30.86	32.37	32.42	32.45
28	28.44	28.16	29.03	27.59	28.17	28.51	29.09	29.87	30.88	32.42	32.44	32.40
29	28.56	28.19	29.08	27.49	28.21	28.47	29.10	29.90	30.90	32.44	32.47	32.40
30	28.62	28.23	29.10	27.48	---	28.45	29.06	30.02	30.93	32.49	32.51	32.77
31	28.64	---	29.10	27.49	---	28.40	---	30.09	---	32.68	32.56	---
MEAN	28.48	28.23	28.83	28.74	27.82	28.43	28.64	29.39	30.49	31.83	32.62	32.62
MAX	29.16	28.76	29.10	29.40	28.21	28.52	29.10	30.09	30.93	32.68	32.95	32.77
MIN	28.26	27.86	28.25	27.48	27.54	28.22	28.29	29.05	30.12	30.98	32.41	32.40



## 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. Highway 17A-21, in Yemassee.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 190 ft, cased to 85.5 ft, open hole from 85.5 to 190 ft.

INSTRUMENTATION.--Data collection platform--60 minute punch interval.

DATUM.--Land-surface datum is 45 ft above sea level. Measuring point: Top of casing, 0.70 ft above land-surface datum.

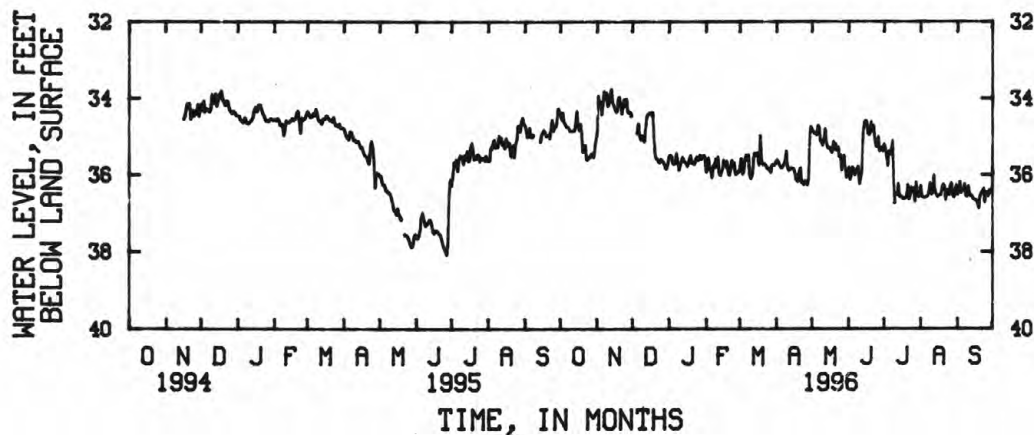
REMARKS.--1976 Caliper, electric, and gamma logs available in District files.

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, 38.09 ft below land-surface datum, June 27, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.37	34.95	---	35.52	35.94	35.77	35.62	34.82	35.82	35.22	36.29	36.52
2	34.55	33.94	---	35.49	35.85	35.58	35.64	34.85	36.14	35.29	36.57	36.42
3	34.38	34.15	---	35.53	35.56	35.98	35.74	34.92	36.05	35.56	36.59	36.18
4	34.62	34.09	---	35.70	35.86	35.92	35.78	34.92	35.81	35.77	36.60	36.47
5	34.67	34.42	34.92	35.74	35.86	35.61	35.83	34.97	35.86	35.39	36.59	36.43
6	34.75	34.14	34.66	35.68	36.07	35.49	35.79	34.71	36.02	35.47	36.58	36.38
7	34.75	33.83	34.99	35.45	35.78	35.61	35.74	34.74	35.88	35.35	36.57	36.25
8	34.78	34.02	35.09	35.63	35.82	35.48	35.67	35.13	35.92	35.12	36.38	36.56
9	34.86	33.86	34.99	35.88	35.59	36.01	35.39	35.15	35.79	36.01	36.23	36.58
10	34.86	34.21	35.08	35.77	35.79	36.10	35.81	35.24	36.26	36.74	36.51	36.31
11	34.86	34.15	35.14	35.69	35.54	36.05	35.89	35.07	36.10	---	36.47	36.47
12	34.85	34.02	34.75	35.55	35.94	35.85	35.88	34.81	35.95	36.53	36.02	36.57
13	34.86	33.76	34.47	35.62	36.02	35.44	35.83	35.15	34.94	36.24	36.42	36.55
14	34.63	34.08	34.41	35.67	35.96	35.50	35.84	35.29	34.63	36.57	36.52	36.63
15	34.34	34.19	34.39	35.69	35.89	35.44	35.84	35.33	34.58	36.59	36.58	36.65
16	34.74	34.26	34.37	35.78	35.62	35.44	35.90	35.30	34.60	36.58	36.57	36.67
17	34.84	34.36	34.43	35.72	35.74	35.75	36.11	35.40	34.92	36.64	36.54	36.68
18	34.68	34.35	34.36	35.58	35.79	34.98	36.17	35.43	34.97	36.63	36.54	36.78
19	34.86	34.00	34.94	35.51	35.66	35.62	36.19	35.14	34.90	36.63	36.34	36.87
20	35.42	33.97	35.48	35.69	35.96	35.75	35.94	35.35	34.62	36.57	36.26	36.57
21	35.27	34.24	35.59	35.70	36.02	35.74	35.83	35.20	34.86	36.27	36.29	36.46
22	35.23	34.40	35.60	35.74	35.87	35.74	36.20	35.37	34.73	36.65	36.66	36.47
23	35.60	34.22	35.67	35.61	35.63	35.78	36.22	35.29	35.07	36.54	36.46	36.36
24	35.62	34.04	35.69	35.54	35.80	35.85	36.27	35.54	35.26	36.34	36.39	36.71
25	35.54	34.21	35.61	35.62	35.70	35.84	36.17	35.49	35.27	36.44	36.53	36.48
26	35.55	34.03	35.64	35.59	35.98	35.89	36.18	35.89	35.03	36.36	36.27	36.45
27	35.48	34.35	35.67	35.49	35.89	35.95	36.27	35.65	35.39	36.70	36.22	36.56
28	35.45	34.39	35.74	35.59	35.94	35.76	36.13	35.50	35.34	36.20	36.55	36.41
29	35.55	34.37	35.84	35.54	35.94	35.74	34.99	35.88	35.30	36.47	36.60	36.47
30	35.43	34.46	35.85	35.51	---	35.76	34.74	36.08	35.40	36.59	36.41	36.37
31	35.09	---	35.67	35.52	---	35.70	---	36.06	---	36.54	36.27	---
MEAN	34.98	34.18	35.15	35.62	35.83	35.71	35.85	35.28	35.38	36.20	36.45	36.51
MAX	35.62	34.95	35.85	35.88	36.07	36.10	36.27	36.08	36.26	36.74	36.66	36.87
MIN	34.34	33.76	34.36	35.45	35.54	34.98	34.74	34.71	34.58	35.12	36.02	36.18



## GROUND-WATER LEVELS

## KERSHAW COUNTY

343330080263700. Local number, KER-263.

LOCATION.--Lat 34°33'30'', long 80°26'37'', Hydrologic Unit 03040202, Northwest of Bethune, at Mt. Pisgah School, across from office.

Owner: Bethune Rural Water Company.

AQUIFER.--Paleozoic Argillite.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6.25 in, depth 455 ft, cased to 103 ft, open hole from 103 to 455 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 470 ft above sea level. Measuring point: Top of casing, 1.45 ft above land-surface datum.

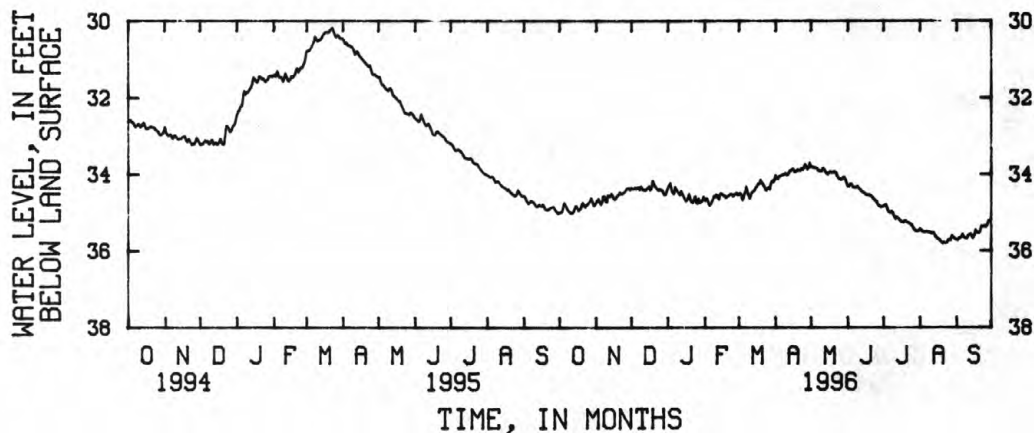
REMARKS.--Geophysical logs available in District files.

PERIOD OF RECORD.--October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 30.18 ft below land-surface datum, Mar. 23, 1995; lowest, 36.77 ft below land-surface datum, Jan. 10, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.01	34.74	34.36	34.36	34.69	34.53	34.03	33.79	34.31	34.84	35.44	35.71
2	35.00	34.68	34.37	34.28	34.65	34.49	34.10	33.80	34.31	34.82	35.46	35.72
3	34.99	34.64	34.37	34.23	34.64	34.56	34.11	33.82	34.27	34.79	35.50	35.68
4	34.85	34.72	34.35	34.41	34.74	34.68	34.05	33.82	34.27	34.88	35.51	35.68
5	34.74	34.78	34.37	34.49	34.81	34.60	34.05	33.83	34.33	34.97	35.52	35.64
6	34.81	34.73	34.35	34.50	34.79	34.47	34.02	33.85	34.35	35.00	35.51	35.58
7	34.86	34.57	34.33	34.34	34.74	34.33	34.01	33.90	34.35	35.00	35.51	35.65
8	34.92	34.57	34.39	34.40	34.65	34.41	34.01	33.91	34.35	34.98	35.52	35.67
9	34.97	34.69	34.32	34.45	34.56	34.55	33.97	33.91	34.33	35.01	35.52	35.68
10	35.01	34.71	34.37	34.48	34.59	34.63	34.01	33.91	34.37	35.10	35.53	35.68
11	35.01	34.55	34.40	34.54	34.53	34.56	34.01	33.85	34.39	35.17	35.56	35.61
12	35.01	34.56	34.40	34.45	34.59	34.47	33.96	33.86	34.43	35.13	35.54	35.59
13	34.97	34.57	34.41	34.50	34.65	34.45	33.91	33.93	34.46	35.14	35.56	35.57
14	34.87	34.50	34.37	34.56	34.52	34.42	33.89	33.98	34.48	35.17	35.63	35.63
15	34.82	34.55	34.34	34.62	34.50	34.35	33.86	34.00	34.50	35.21	35.67	35.67
16	34.88	34.62	34.32	34.69	34.51	34.32	33.86	33.96	34.53	35.25	35.69	35.62
17	34.94	34.65	34.40	34.68	34.56	34.25	33.93	33.94	34.55	35.25	35.71	35.47
18	34.92	34.61	34.36	34.60	34.56	34.25	33.93	33.95	34.55	35.26	35.74	35.52
19	34.88	34.56	34.17	34.52	34.61	34.16	33.91	33.95	34.55	35.23	35.78	35.53
20	34.77	34.53	34.23	34.68	34.58	34.21	33.87	33.94	34.56	35.23	35.81	35.53
21	34.74	34.46	34.32	34.72	34.57	34.25	33.89	33.94	34.59	35.26	35.80	35.50
22	34.82	34.50	34.35	34.74	34.54	34.32	33.89	33.96	34.63	35.27	35.80	35.36
23	34.85	34.49	34.38	34.68	34.52	34.39	33.85	34.05	34.66	35.29	35.80	35.38
24	34.80	34.48	34.41	34.58	34.53	34.41	33.87	34.10	34.69	35.31	35.79	35.37
25	34.77	34.46	34.39	34.74	34.58	34.37	33.83	34.12	34.71	35.34	35.73	35.36
26	34.73	34.42	34.41	34.76	34.54	34.36	33.74	34.14	34.78	35.40	35.71	35.37
27	34.67	34.37	34.41	34.64	34.51	34.38	33.79	34.13	34.82	35.45	35.72	35.33
28	34.62	34.37	34.48	34.74	34.48	34.24	33.86	34.09	34.84	35.48	35.61	35.24
29	34.74	34.35	34.54	34.72	34.54	34.17	33.82	34.09	34.86	35.49	35.65	35.22
30	34.81	34.40	34.53	34.67	---	34.19	33.71	34.15	34.85	35.49	35.68	35.21
31	34.79	---	34.42	34.59	---	34.13	---	34.26	---	35.48	35.70	---
MEAN	34.86	34.56	34.37	34.56	34.60	34.38	33.92	33.97	34.52	35.18	35.64	35.53
MAX	35.01	34.78	34.54	34.76	34.81	34.68	34.11	34.26	34.86	35.49	35.81	35.72
MIN	34.62	34.35	34.17	34.23	34.48	34.13	33.71	33.79	34.27	34.79	35.44	35.21





## GROUND-WATER LEVELS

## LAURENS COUNTY

342948081451001. Local number, LAU-52.

LOCATION.--Lat 34°29'48'', long 81°45'10'', Hydrologic Unit 03050108, Indian Creek Station, 70 meter southeast, of Tip Top Fire Tower, near Whitmire.

Owner: U.S. Forest Service.

AQUIFER.--Paleozoic Granite Gneiss/Precambrian Granite Gneiss.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 194 ft, cased depth 16 ft. Screened interval 16 to 194 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 575 ft above sea level. Measuring point: Top of casing, 0.30 ft above land-surface datum.

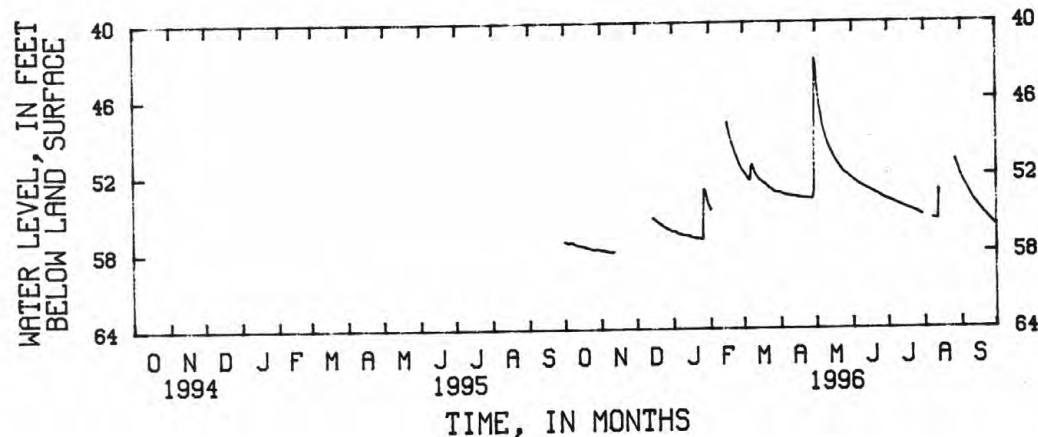
REMARKS.--Geophysical logs available in District files.

PERIOD OF RECORD.--October 1995 to September 1996.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 42.89 ft below land-surface datum, Apr. 30, 1995; lowest, 57.97 ft below land-surface datum, Nov. 10, 11, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57.12	57.79	---	56.35	54.50	51.79	53.43	43.46	52.39	54.02	---	52.21
2	57.16	57.80	---	56.36	54.67	51.93	53.51	44.92	52.48	54.05	---	52.44
3	57.21	57.80	---	56.37	---	52.07	53.55	45.89	52.54	54.07	---	52.60
4	57.23	57.84	---	56.46	---	52.24	53.56	46.67	52.60	54.11	---	52.77
5	57.21	57.89	---	56.51	---	52.36	53.59	47.23	52.66	54.15	---	52.97
6	57.20	57.91	---	56.55	---	52.42	53.62	47.78	52.75	54.20	---	53.16
7	57.20	57.92	---	56.58	---	51.40	53.64	48.24	52.79	54.23	---	53.33
8	57.24	57.92	---	56.58	---	51.23	53.66	48.66	52.87	54.30	55.47	53.50
9	57.28	57.93	---	56.62	---	51.56	53.67	49.02	52.93	54.34	55.49	53.68
10	57.32	57.97	---	56.63	---	51.81	53.69	49.29	52.98	54.36	55.50	53.85
11	57.39	57.97	---	56.65	---	52.00	53.72	49.57	53.01	54.40	55.53	53.99
12	57.41	57.94	---	56.67	---	52.14	53.73	49.81	53.07	54.45	55.56	54.12
13	57.43	---	---	56.67	---	52.26	53.74	50.04	53.12	54.49	53.24	54.25
14	57.45	---	---	56.70	---	52.36	53.74	50.21	53.17	54.53	---	54.35
15	57.44	---	55.34	56.74	---	52.45	53.77	50.40	53.20	54.56	---	54.52
16	57.46	---	55.36	56.80	47.90	52.54	53.79	50.62	53.28	54.59	---	54.62
17	57.50	---	55.46	56.86	48.38	52.62	53.80	50.80	53.32	54.65	---	54.72
18	57.54	---	55.54	56.89	48.83	52.68	53.82	50.94	53.35	54.71	---	54.84
19	57.59	---	55.61	56.89	49.21	52.77	53.84	51.09	53.38	54.73	---	54.92
20	57.61	---	55.67	56.89	49.56	52.84	53.84	51.23	53.47	54.75	---	55.06
21	57.62	---	55.74	56.91	49.83	52.94	53.85	51.38	53.51	54.78	---	55.15
22	57.65	---	55.83	56.92	50.13	53.01	53.86	51.52	53.56	54.86	---	55.27
23	57.68	---	55.90	56.93	50.37	53.08	53.87	51.65	53.62	54.89	---	55.36
24	57.71	---	55.97	56.93	50.61	53.17	53.87	51.76	53.67	54.92	---	55.47
25	57.73	---	56.04	56.94	50.91	53.23	53.88	51.86	53.72	54.95	---	55.57
26	57.75	---	56.09	56.98	51.11	53.29	53.88	51.94	53.78	54.98	---	55.67
27	57.76	---	56.12	53.12	51.32	53.35	53.88	51.99	53.84	55.07	50.90	55.77
28	57.73	---	56.18	53.11	51.53	53.38	53.89	52.09	53.87	55.12	51.12	55.86
29	57.73	---	56.25	53.64	51.69	53.40	53.43	52.16	53.91	55.15	51.42	55.93
30	57.76	---	56.29	54.01	---	53.42	42.89	52.23	53.96	55.19	51.74	55.99
31	57.78	---	56.33	54.26	---	53.43	---	52.32	---	---	51.98	---
MEAN	57.48	---	---	56.21	---	52.55	53.37	49.90	53.23	---	---	54.40
MAX	57.78	---	---	56.98	---	53.43	53.89	52.32	53.96	---	---	55.99
MIN	57.12	---	---	53.11	---	51.23	42.89	43.46	52.39	---	---	52.21





## GROUND-WATER LEVELS

## MARION COUNTY

335143079195000. Local number, MN-77.

LOCATION.--Lat 33°51'43'', long 79°19'50'', Hydrologic Unit 03040201, approximately 500 ft south of Britton Neck fire tower, near the intersection of county road 908 and U.S. 378, and 16.2 mi west of Conway.

Owner: U.S. Geological Survey; on property owned by South Carolina Forestry Commission.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, from surface to 322 ft, 3 in, from 322 to 356 ft, depth 356 ft, screened intervals 325-335, 345-355 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 30 ft above sea level. Measuring point: Top of casing, 2.15 ft above land-surface datum.

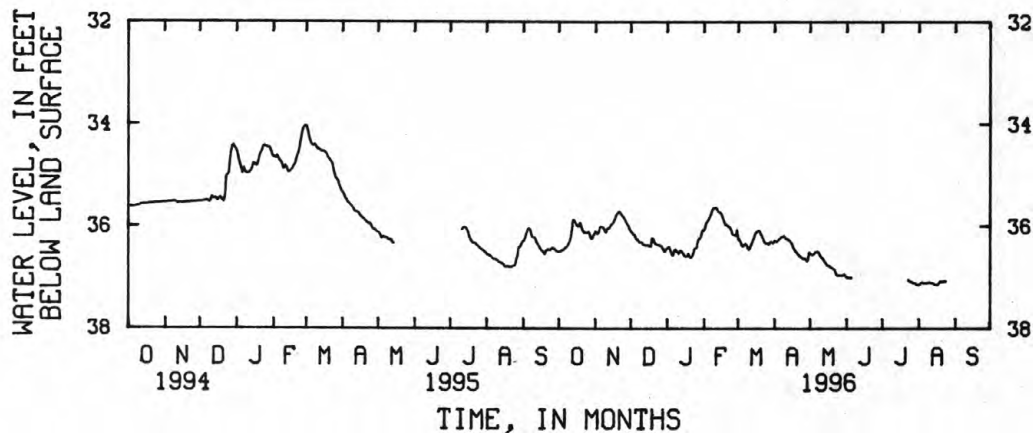
REMARKS.--Water-quality data available in District files.

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

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 10.88 ft below land-surface datum, Mar. 28, 1983; lowest, 37.15 ft below land-surface datum, July 31, Aug. 1, 15, 16, 17, 1996.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36.50	36.10	36.10	36.43	36.08	36.28	36.28	36.52	37.01	---	37.15	---
2	36.50	36.14	36.12	36.42	36.03	36.26	36.29	36.55	37.01	---	37.14	---
3	36.49	36.15	36.16	36.41	35.93	36.32	36.31	36.56	37.01	---	37.11	---
4	36.46	36.11	36.17	36.50	35.90	36.39	36.28	36.55	37.01	---	37.11	---
5	36.47	36.01	36.23	36.56	35.86	36.40	36.26	36.52	37.01	---	37.12	---
6	36.43	36.01	36.27	36.58	35.81	36.38	36.24	36.50	---	---	37.12	---
7	36.42	36.01	36.27	36.47	35.77	36.35	36.21	36.50	---	---	37.12	---
8	36.39	36.04	36.32	36.45	35.69	36.37	36.21	36.50	---	---	37.12	---
9	36.36	36.10	36.32	36.50	35.64	36.44	36.19	36.55	---	---	37.11	---
10	36.30	36.12	36.32	36.50	35.64	36.47	36.23	36.60	---	---	37.11	---
11	36.21	36.05	36.36	36.55	35.63	36.43	36.25	36.62	---	---	37.12	---
12	36.07	36.04	36.37	36.48	35.64	36.36	36.26	36.64	---	---	37.12	---
13	35.87	36.03	36.38	36.49	35.71	36.32	36.27	36.69	---	---	37.12	---
14	35.88	35.97	36.38	36.52	35.72	36.25	36.29	36.72	---	---	37.14	---
15	35.94	35.95	36.38	36.56	35.73	36.17	36.33	36.76	---	---	37.15	---
16	35.98	35.93	36.38	36.59	35.76	36.13	36.36	36.78	---	---	37.15	---
17	36.00	35.88	36.40	36.60	35.85	36.11	36.44	36.78	---	---	37.15	---
18	36.00	35.82	36.41	36.59	35.90	36.09	36.48	36.80	---	---	37.12	---
19	35.92	35.76	36.23	36.53	35.96	36.08	36.51	36.82	---	---	37.09	---
20	36.01	35.73	36.24	36.61	35.98	36.14	36.53	36.83	---	---	37.09	---
21	36.08	35.70	36.33	36.62	35.99	36.19	36.56	36.84	---	---	37.09	---
22	36.12	35.73	36.35	36.61	36.01	36.25	36.59	36.87	---	---	37.08	---
23	36.12	35.77	36.36	36.53	36.02	36.31	36.60	36.95	---	37.06	37.08	---
24	36.13	35.80	36.37	36.44	36.08	36.33	36.62	36.97	---	37.08	37.08	---
25	36.13	35.83	36.38	36.43	36.16	36.34	36.64	36.97	---	37.09	---	---
26	36.11	35.88	36.38	36.42	36.17	36.34	36.64	36.97	---	37.10	---	---
27	36.15	35.92	36.39	36.28	36.18	36.37	36.64	36.97	---	37.12	---	---
28	36.23	35.97	36.43	36.25	36.19	36.32	36.68	36.97	---	37.12	---	---
29	36.25	35.99	36.49	36.22	36.07	36.30	36.69	36.97	---	37.13	---	---
30	36.20	36.07	36.51	36.16	---	36.33	36.51	36.95	---	37.14	---	---
31	36.16	---	36.46	36.07	---	36.33	---	36.99	---	37.15	---	---
MEAN	36.19	35.95	36.33	36.46	35.90	36.30	36.41	36.75	---	---	---	---
MAX	36.50	36.15	36.51	36.62	36.19	36.47	36.69	36.99	---	---	---	---
MIN	35.87	35.70	36.10	36.07	35.63	36.08	36.19	36.50	---	---	---	---



## GROUND-WATER LEVELS

## 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 well, diameter 10 in, depth 115 ft, screened interval 75-115 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 95 ft above sea level. Measuring point: Top of casing, 0.50 ft above land-surface datum.

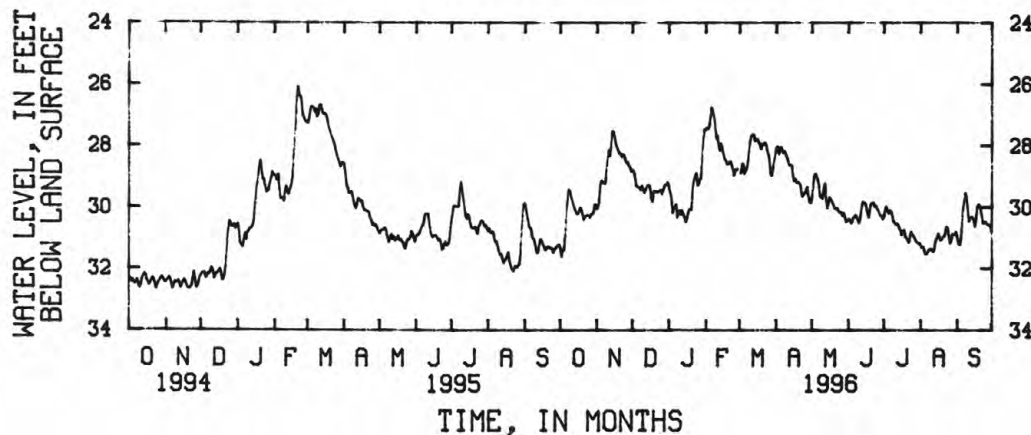
REMARKS.--1957 water-quality data on file in District office.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 22.67 ft below land-surface datum, Apr. 18, 1983; lowest, 33.77 ft below land-surface datum, Nov. 9, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.33	30.06	28.80	29.35	27.49	---	28.09	29.72	30.39	30.33	31.26	31.00
2	31.62	30.00	28.84	29.55	27.42	28.89	28.02	29.38	30.41	30.12	31.32	31.18
3	31.39	29.69	29.01	29.68	27.44	28.61	28.28	28.94	30.53	29.97	31.31	31.24
4	31.41	29.23	29.30	30.19	27.38	28.59	28.16	28.91	30.51	30.08	31.43	31.09
5	31.07	29.13	29.34	30.10	27.03	28.92	28.05	28.99	30.36	30.19	31.53	30.65
6	30.28	29.20	29.37	29.97	26.76	28.83	28.17	29.12	30.32	30.12	31.53	30.02
7	29.74	29.20	29.39	29.91	26.92	28.73	28.25	29.39	30.26	30.13	31.47	29.81
8	29.43	29.23	29.45	30.34	27.04	28.51	28.20	29.67	30.35	30.29	31.39	29.54
9	29.45	28.77	29.32	30.17	27.32	28.14	28.32	29.69	30.43	30.47	31.40	29.73
10	29.68	28.38	29.41	30.11	27.79	27.78	28.39	29.73	30.53	30.51	31.37	30.14
11	29.81	28.15	29.53	30.24	27.67	27.68	28.54	29.40	30.33	30.57	31.42	30.47
12	29.94	28.32	29.47	30.11	28.00	27.63	28.64	29.22	30.04	30.55	31.45	30.37
13	30.03	27.92	29.35	30.25	28.17	27.64	28.64	29.77	29.83	30.59	31.30	30.33
14	30.13	27.53	29.29	30.32	27.94	27.84	28.64	30.04	29.84	30.69	31.08	30.34
15	30.23	27.54	29.29	30.49	28.11	27.83	29.02	29.85	29.86	30.82	31.01	30.41
16	30.21	27.77	29.40	30.41	28.24	27.79	29.16	29.68	29.96	30.92	30.86	30.63
17	30.13	27.99	29.73	30.20	28.45	27.89	29.09	29.76	30.23	30.78	30.98	30.41
18	30.01	28.06	29.83	30.10	28.50	27.96	29.22	29.82	30.33	30.75	31.08	29.99
19	30.10	28.17	29.47	30.05	28.62	28.12	29.20	29.90	30.15	30.99	31.04	29.91
20	30.24	28.28	29.50	30.08	28.56	27.96	29.23	30.03	29.88	30.99	30.98	29.94
21	30.42	28.27	29.49	29.36	28.60	27.98	29.27	30.07	29.88	31.11	30.95	30.07
22	30.32	28.38	29.51	29.13	28.52	27.91	29.54	30.04	29.84	31.16	30.78	30.29
23	30.29	28.29	29.50	29.01	28.61	27.94	29.66	30.08	29.97	30.98	30.64	30.53
24	30.26	28.34	29.47	28.89	28.78	28.14	29.58	30.18	29.96	30.81	30.72	30.53
25	30.30	28.50	29.45	29.28	28.97	28.26	29.55	30.17	30.03	30.89	30.97	30.49
26	30.34	28.56	29.57	29.25	28.78	28.47	29.47	30.20	30.10	30.94	31.19	30.54
27	30.25	28.55	29.48	29.10	28.79	28.93	29.35	30.30	30.17	31.00	31.10	30.56
28	30.24	28.68	29.32	29.06	28.77	29.00	29.66	30.20	30.26	31.12	30.89	30.59
29	30.18	28.72	29.25	28.32	---	28.75	29.85	30.30	30.29	31.15	30.89	30.61
30	29.93	28.85	29.26	27.81	---	28.50	29.88	30.49	30.39	31.18	30.89	30.77
31	29.91	---	29.19	27.46	---	28.31	---	30.45	---	31.19	30.81	---
MEAN	30.28	28.59	29.37	29.62	---	---	28.90	29.79	30.18	30.69	31.13	30.41
MAX	31.62	30.06	29.83	30.49	---	---	29.88	30.49	30.53	31.19	31.53	31.24
MIN	29.43	27.53	28.80	27.46	---	---	28.02	28.91	29.83	29.97	30.64	29.54



## GROUND-WATER LEVELS

## MARLBORO COUNTY

343715079411500. Local number, MLB-112.

LOCATION.--Lat 34°37'15'', long 79°41'15'', Hydrologic Unit 03040201, Marlboro County Recreation Department Building, in Bennettsville.

Owner: Town of Bennettsville.

AQUIFER.--Middenforf and Cape Fear Formations.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in, depth 345 ft, perforated 220-320 ft, screened interval 320-335 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 135 ft above sea level. Measuring point: Top of casing, 1.20 ft above land-surface datum.

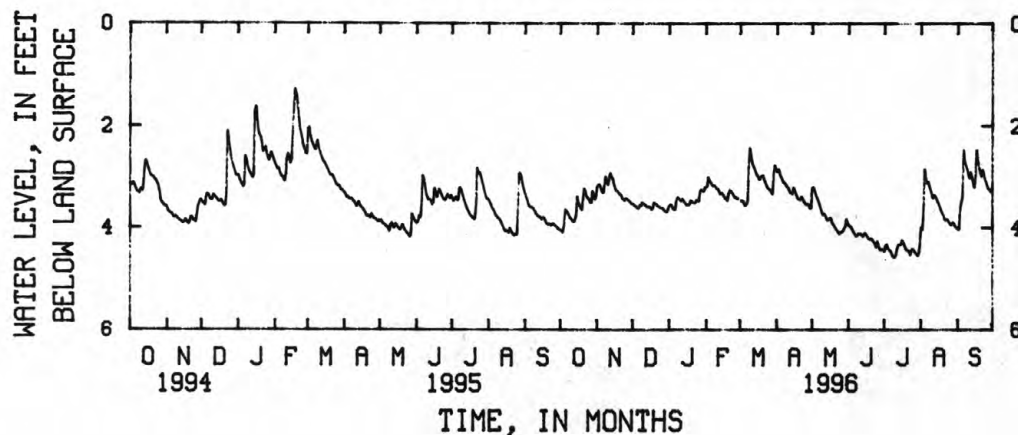
REMARKS.--1971 Gamma and Caliper logged to 297 ft.

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, 5.40 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.05	3.19	3.53	3.58	3.20	---	2.90	3.22	3.95	4.47	4.00	4.04
2	4.07	3.15	3.56	3.55	3.17	3.47	2.85	3.20	3.97	4.37	4.04	4.04
3	4.09	3.15	3.58	3.56	3.01	3.48	2.91	3.27	3.99	4.33	3.75	3.64
4	3.95	3.22	3.59	3.62	3.06	3.53	2.98	3.35	4.05	4.41	2.85	3.49
5	3.64	3.28	3.62	3.64	3.12	3.57	3.03	3.41	4.09	4.44	3.04	3.42
6	3.66	3.31	3.62	3.64	3.15	3.55	3.09	3.47	4.12	4.45	3.13	2.48
7	3.71	3.20	3.56	3.46	3.17	3.48	3.12	3.55	4.17	4.50	3.11	2.71
8	3.76	2.99	3.57	3.41	3.17	2.76	3.14	3.62	4.16	4.56	3.19	2.78
9	3.80	3.10	3.51	3.42	3.19	2.44	3.19	3.69	4.12	4.58	3.26	2.85
10	3.83	3.15	3.53	3.45	3.23	2.63	3.21	3.75	4.13	4.58	3.35	2.96
11	3.85	3.05	3.54	3.47	3.23	2.74	3.26	3.73	4.12	4.53	3.42	3.03
12	3.88	2.93	3.56	3.44	3.29	2.79	3.30	3.76	4.15	4.39	3.37	2.93
13	3.87	2.99	3.59	3.47	3.33	2.86	3.32	3.82	4.17	4.34	3.39	3.00
14	3.75	3.03	3.59	3.50	3.32	2.92	3.34	3.85	4.12	4.34	3.45	3.13
15	3.38	3.13	3.60	3.53	3.35	2.97	3.23	3.84	4.12	4.32	3.50	3.21
16	3.49	3.21	3.60	3.55	3.38	3.00	3.26	3.81	4.16	4.25	3.56	3.07
17	3.57	3.26	3.64	3.55	3.42	3.06	3.32	3.83	4.19	4.28	3.62	2.48
18	3.61	3.28	3.63	3.54	3.44	3.01	3.39	3.91	4.22	4.33	3.68	2.68
19	3.65	3.31	3.52	3.47	3.47	3.00	3.43	3.94	4.22	4.42	3.72	2.82
20	3.44	3.34	3.52	3.49	3.34	2.98	3.45	3.98	4.22	4.44	3.78	2.93
21	3.22	3.35	3.55	3.50	3.27	3.06	3.45	4.02	4.25	4.45	3.83	3.00
22	3.32	3.42	3.57	3.51	3.28	3.12	3.40	4.05	4.29	4.49	3.85	2.87
23	3.39	3.44	3.59	3.51	3.31	3.17	3.45	4.09	4.32	4.53	3.84	2.94
24	3.41	3.47	3.60	3.46	3.35	3.22	3.48	4.12	4.38	4.44	3.88	3.04
25	3.46	3.43	3.61	3.46	3.40	3.25	3.53	4.10	4.28	4.42	3.91	3.12
26	3.50	3.44	3.62	3.47	3.40	3.27	3.55	4.09	4.34	4.45	3.94	3.19
27	3.51	3.46	3.64	3.29	3.43	3.30	3.54	4.07	4.42	4.49	3.93	3.24
28	3.28	3.48	3.67	3.25	3.43	3.34	3.56	4.02	4.45	4.51	3.90	3.26
29	3.37	3.50	3.69	3.26	---	2.97	3.62	3.98	4.43	4.55	3.94	3.30
30	3.44	3.53	3.69	3.28	---	2.77	3.62	3.83	4.44	4.52	3.98	3.28
31	3.41	---	3.64	3.21	---	2.86	---	3.91	---	4.38	4.00	---
MEAN	3.62	3.26	3.59	3.47	---	---	3.30	3.78	4.20	4.44	3.62	3.10
MAX	4.09	3.53	3.69	3.64	---	---	3.62	4.12	4.45	4.58	4.04	4.04
MIN	3.22	2.93	3.51	3.21	---	---	2.85	3.20	3.95	4.25	2.85	2.48



## GROUND-WATER LEVELS

## McCORMICK COUNTY

335336082214600. Local number, MCK-52.

LOCATION.--Lat 33°53'36'', long 82°21'46'', Hydrologic Unit 03060103, Baker Creek State Park, at ranger's residence.

Owner: S.C. Department of Parks, Recreation, and Tourism.

AQUIFER.--Paleozoic Argillite.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 202 ft, cased to 54 ft, open hole from 54 to 202 ft.

INSTRUMENTATION.--Data collection platform--60 minute punch interval.

DATUM.--Land-surface datum is 400 ft above sea level. Measuring point: Top of casing, 0.91 ft above land-surface datum.

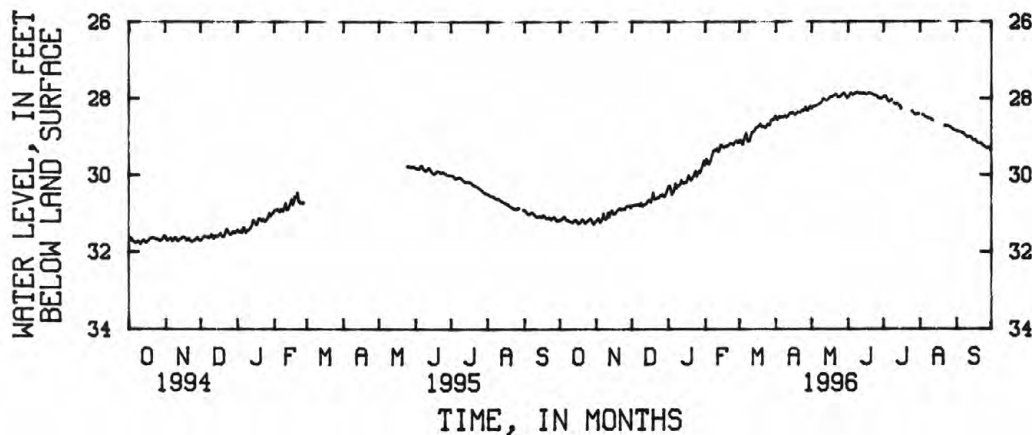
REMARKS.--Geophysical logs available in District files.

PERIOD OF RECORD.--October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 27.84 ft below land-surface datum, June 9, 1996; lowest, 33.13 ft below land-surface datum, Jan. 9, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.17	31.21	30.80	30.31	29.74	29.11	28.46	28.27	27.97	27.96	---	28.85
2	31.16	31.15	30.80	30.28	29.58	29.09	28.57	28.23	27.93	27.94	---	28.87
3	31.14	31.14	30.79	30.39	29.62	29.18	28.53	28.21	27.87	27.94	28.43	28.87
4	31.10	31.23	30.77	30.50	29.73	29.20	28.47	28.20	27.87	28.02	28.45	28.88
5	31.10	31.23	30.78	30.47	29.69	29.07	28.52	28.19	27.90	28.07	28.48	28.89
6	31.16	31.15	30.75	30.37	29.57	28.97	28.48	28.17	27.89	28.08	28.50	28.90
7	31.17	31.01	30.76	30.22	29.48	28.90	28.49	28.16	27.86	28.06	28.51	28.94
8	31.19	31.13	30.80	30.34	29.38	29.11	28.48	28.14	27.85	28.04	28.52	28.96
9	31.21	31.17	30.73	30.28	29.34	29.14	28.45	28.12	27.84	---	28.53	28.99
10	31.22	31.12	30.81	30.28	29.37	29.10	28.50	28.08	27.87	28.13	28.54	29.02
11	31.23	30.98	30.78	30.24	29.31	28.96	28.48	28.00	27.86	28.17	28.57	29.01
12	31.24	31.09	30.76	30.13	29.39	28.88	28.42	28.01	27.87	28.15	28.58	29.01
13	31.21	31.01	30.75	30.20	29.37	28.87	28.38	28.04	27.88	28.15	---	29.02
14	31.17	30.93	30.70	30.21	29.22	28.84	28.40	28.05	27.87	28.18	---	29.07
15	31.19	30.99	30.66	30.20	29.21	28.77	28.36	28.03	27.87	28.21	---	29.10
16	31.25	31.02	30.64	30.20	29.27	28.76	28.40	27.98	27.89	28.27	---	29.09
17	31.27	31.01	30.70	30.12	29.28	28.74	28.43	27.95	27.89	---	---	29.09
18	31.25	30.95	30.63	30.01	29.25	28.71	28.40	27.96	27.87	---	---	29.15
19	31.22	30.92	30.45	30.05	29.26	28.66	28.37	27.93	27.86	---	---	29.17
20	31.15	30.90	30.62	30.14	29.23	28.74	28.35	27.91	27.87	---	---	29.18
21	31.18	30.86	30.63	30.09	29.23	28.73	28.38	27.90	27.88	---	---	29.17
22	31.25	30.91	30.61	30.06	29.18	28.74	28.35	27.90	27.89	---	28.72	29.18
23	31.26	30.89	30.59	29.95	29.17	28.77	28.31	27.95	27.91	---	28.73	29.23
24	31.22	30.88	30.59	29.89	29.19	28.74	28.34	27.97	27.92	---	28.73	29.25
25	31.19	30.89	30.53	30.04	29.22	28.67	28.28	27.95	27.92	28.34	28.73	29.27
26	31.17	30.84	30.53	29.93	29.15	28.68	28.22	27.92	27.97	28.38	28.75	29.30
27	31.13	30.81	30.50	29.89	29.12	28.69	28.31	27.90	27.99	28.41	28.77	29.31
28	31.17	30.81	30.55	29.94	29.10	28.57	28.33	27.88	27.99	28.43	28.80	29.28
29	31.26	30.80	30.56	29.82	29.16	28.55	28.24	27.87	28.01	28.42	28.82	29.33
30	31.28	30.85	30.50	29.73	---	28.57	28.20	27.92	27.98	28.42	28.83	29.37
31	31.24	---	30.37	29.64	---	28.49	---	27.98	---	28.42	28.84	---
MEAN	31.20	31.00	30.66	30.13	29.34	28.84	28.40	28.02	27.90	---	---	29.09
MAX	31.28	31.23	30.81	30.50	29.74	29.20	28.57	28.27	28.01	---	---	29.37
MIN	31.10	30.80	30.37	29.64	29.10	28.49	28.20	27.87	27.84	---	---	28.85





## GROUND-WATER LEVELS

## OCONEE COUNTY

345051083041800. Local number, OC-233.

LOCATION.--Lat 34°50'51'', long 83°04'18'', Hydrologic Unit 03060101, Oconee Station, 60 ft north of gravel road to parking lot.

Owner: S.C. Department of Parks, Recreation, and Tourism.

AQUIFER.--Paleozoic Amphibolite/Precambrian Amphibolite.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 445 ft, cased to 24 ft, screen information unknown.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 1080 ft above sea level. Measuring point: Top of casing, 1.22 ft above land-surface datum.

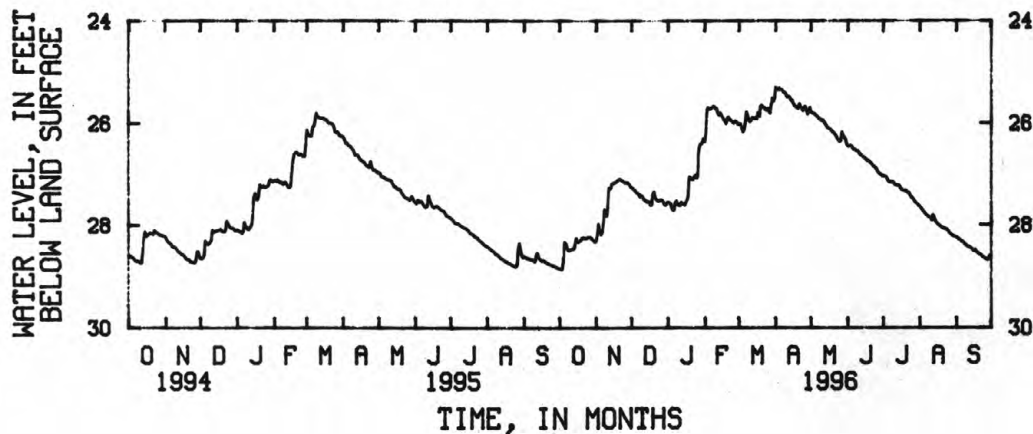
REMARKS.--Geophysical logs available in District files.

PERIOD OF RECORD.--October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 25.30 ft below land-surface datum, Apr. 1, 1996; lowest, 29.41 ft below land-surface datum, July 12, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.86	28.32	27.26	27.56	26.36	26.02	25.30	25.78	26.45	27.04	27.65	28.25
2	28.86	28.15	27.28	27.57	26.18	26.02	25.34	25.80	26.45	27.05	27.68	28.26
3	28.87	27.97	27.31	27.58	25.73	26.08	25.34	25.81	26.44	27.06	27.71	28.29
4	28.73	28.12	27.32	27.67	25.69	26.17	25.32	25.83	26.45	27.09	27.74	28.30
5	28.33	28.18	27.36	27.71	25.72	26.14	25.34	25.85	26.50	27.14	27.77	28.32
6	28.35	28.17	27.38	27.71	25.71	26.01	25.34	25.87	26.52	27.16	27.80	28.33
7	28.44	27.99	27.39	27.55	25.70	25.79	25.37	25.90	26.52	27.16	27.82	28.35
8	28.49	27.69	27.45	27.53	25.67	25.83	25.40	25.92	26.54	27.16	27.84	28.38
9	28.49	27.82	27.42	27.60	25.67	25.94	25.41	25.93	26.55	27.16	27.85	28.40
10	28.49	27.82	27.44	27.61	25.71	25.97	25.46	25.95	26.58	27.19	27.87	28.42
11	28.48	27.59	27.49	27.62	25.71	25.94	25.48	25.95	26.61	27.22	27.91	28.43
12	28.47	27.26	27.51	27.56	25.80	25.90	25.48	25.98	26.63	27.22	27.81	28.44
13	28.47	27.28	27.54	27.58	25.84	25.90	25.50	26.03	26.65	27.22	27.85	28.45
14	28.38	27.21	27.54	27.59	25.80	25.91	25.55	26.06	26.67	27.23	27.93	28.47
15	28.26	27.18	27.55	27.60	25.84	25.90	25.55	26.10	26.69	27.26	27.96	28.50
16	28.32	27.17	27.55	27.56	25.89	25.91	25.61	26.11	26.71	27.30	27.99	28.51
17	28.33	27.16	27.61	27.52	25.93	25.80	25.66	26.12	26.74	27.32	28.01	28.49
18	28.31	27.14	27.61	27.44	25.95	25.86	25.68	26.15	26.74	27.33	28.03	28.53
19	28.29	27.12	27.39	27.05	26.01	25.67	25.70	26.18	26.76	27.33	28.05	28.55
20	28.25	27.11	27.35	27.07	25.91	25.65	25.71	26.19	26.78	27.33	28.06	28.57
21	28.23	27.10	27.47	27.10	25.88	25.68	25.63	26.22	26.81	27.36	28.07	28.58
22	28.25	27.11	27.51	27.10	25.93	25.69	25.69	26.26	26.84	27.37	28.08	28.60
23	28.26	27.12	27.52	27.07	25.94	25.73	25.70	26.30	26.86	27.39	28.09	28.63
24	28.25	27.14	27.53	27.02	25.97	25.74	25.75	26.34	26.88	27.44	28.10	28.64
25	28.24	27.16	27.52	27.07	26.00	25.72	25.73	26.36	26.90	27.47	28.12	28.66
26	28.24	27.16	27.52	27.04	25.98	25.75	25.68	26.34	26.95	27.49	28.16	28.67
27	28.23	27.16	27.52	26.49	25.97	25.80	25.75	26.18	26.98	27.53	28.18	28.69
28	28.25	27.18	27.56	26.42	25.98	25.64	25.82	26.25	27.00	27.56	28.20	28.68
29	28.29	27.20	27.60	26.41	26.03	25.51	25.78	26.28	27.02	27.58	28.22	28.61
30	28.31	27.25	27.61	26.35	---	25.56	25.70	26.33	27.04	27.60	28.23	28.68
31	28.32	---	27.57	26.31	---	25.51	---	26.42	---	27.63	28.24	---
MEAN	28.40	27.47	27.47	27.26	25.88	25.83	25.56	26.09	26.71	27.30	27.97	28.49
MAX	28.87	28.32	27.61	27.71	26.36	26.17	25.82	26.42	27.04	27.63	28.24	28.69
MIN	28.23	27.10	27.26	26.31	25.67	25.51	25.30	25.78	26.44	27.04	27.65	28.25





## 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.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 300 ft, cased to 90 ft, open hole from 90 to 300 ft.

INSTRUMENTATION.--Water stage recorder--60 minute collection interval.

DATUM.--Land-surface datum is 260 ft above sea level. Measuring point: Top of casing, 0.57 ft above land-surface datum.

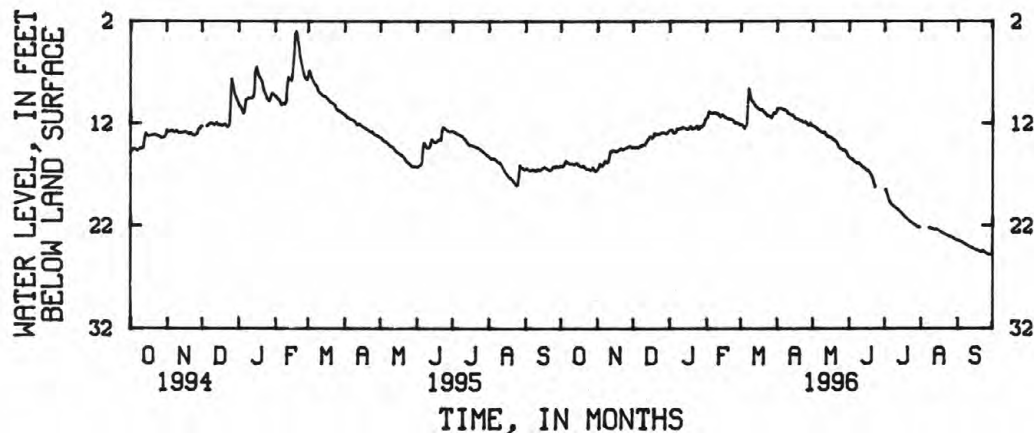
REMARKS.--Water-level affected by nearby pumping.

PERIOD OF RECORD.--September 1971 to June 1975, September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level recorded, 2.95 ft below land-surface datum, Feb. 19, 1995; lowest, 44.83 ft below land-surface datum, Dec. 30, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.14	16.52	14.33	12.65	11.47	12.14	10.55	12.28	15.39	---	---	23.48
2	16.18	16.37	14.36	12.61	11.35	12.13	10.55	12.35	15.48	18.49	---	23.52
3	16.19	15.99	14.38	12.64	10.85	12.35	10.55	12.42	15.51	19.01	---	23.52
4	15.95	16.10	14.32	12.92	10.84	12.52	10.50	12.50	15.61	19.30	---	23.60
5	15.69	16.19	14.38	12.97	10.98	12.38	10.57	12.58	15.72	19.63	---	23.65
6	15.81	16.07	14.34	12.89	10.97	12.20	10.63	12.72	15.83	19.85	---	23.73
7	15.87	15.76	14.17	12.52	10.98	10.11	10.64	12.79	15.91	19.96	---	23.82
8	15.96	15.67	14.27	12.57	10.93	8.56	10.76	12.84	15.94	20.07	22.24	23.88
9	15.99	15.83	14.06	12.51	10.92	9.31	10.79	12.93	15.92	20.17	22.26	23.95
10	15.96	15.80	14.11	12.48	11.09	9.75	11.07	12.94	16.05	20.26	22.31	24.02
11	15.98	15.28	14.11	12.51	11.02	9.86	11.07	12.92	16.14	20.34	22.37	24.07
12	16.05	14.75	13.88	12.30	11.25	9.98	11.10	13.13	16.27	20.41	22.39	24.13
13	16.02	14.77	13.68	12.41	11.35	10.23	11.22	13.25	16.34	20.53	22.42	24.18
14	15.93	14.61	13.48	12.48	11.14	10.40	11.21	13.36	16.43	20.65	22.37	24.26
15	15.95	14.66	13.32	12.53	11.16	10.47	11.38	13.37	16.52	20.75	22.45	24.33
16	16.13	14.73	13.29	12.60	11.29	10.58	11.52	13.39	16.65	20.87	22.51	24.37
17	16.20	14.75	13.46	12.51	11.45	10.67	11.57	13.49	16.67	21.01	22.57	24.37
18	16.24	14.68	13.38	12.35	11.45	10.72	11.60	13.59	16.83	21.12	22.65	24.47
19	16.25	14.57	12.98	12.27	11.56	10.63	11.63	13.67	16.97	21.23	22.72	24.52
20	16.16	14.53	13.02	12.55	11.54	10.83	11.73	13.77	17.20	21.36	22.79	24.58
21	16.26	14.44	13.09	12.51	11.59	10.93	11.78	13.87	17.54	21.46	22.85	24.60
22	16.47	14.56	13.07	12.47	11.58	11.06	11.81	14.08	17.92	21.54	22.91	24.43
23	16.49	14.54	13.04	12.36	11.65	11.24	11.96	14.31	18.25	21.64	22.97	24.56
24	16.47	14.49	13.04	12.24	11.81	11.31	11.94	14.45	---	21.72	23.02	24.65
25	16.53	14.42	12.94	12.57	11.99	11.28	11.87	14.54	---	21.79	23.08	24.71
26	16.58	14.37	12.92	12.54	11.95	11.36	12.05	14.62	---	21.87	23.11	24.78
27	16.56	14.31	12.91	12.27	11.98	11.49	12.22	14.68	---	21.96	23.16	24.82
28	16.31	14.20	13.00	12.36	11.98	11.20	12.20	14.64	---	22.07	23.23	24.84
29	16.58	14.23	13.05	12.21	12.14	11.00	12.01	14.74	---	22.15	23.29	24.86
30	16.72	14.39	12.95	12.08	---	11.04	12.23	14.99	---	22.14	23.35	24.81
31	16.67	---	12.74	11.64	---	10.94	---	15.28	---	22.18	23.41	---
MEAN	16.20	15.05	13.55	12.47	11.39	10.92	11.36	13.56	---	---	---	24.25
MAX	16.72	16.52	14.38	12.97	12.14	12.52	12.23	15.28	---	---	---	24.86
MIN	15.69	14.20	12.74	11.64	10.84	8.56	10.50	12.28	---	---	---	23.48



## GROUND-WATER LEVELS

## SALUDA COUNTY

340517081401300. Local number, SAL-69.

LOCATION.--Lat 34°05'17'', long 81°40'13'', Hydrologic Unit 03050109, Northeast of Saluda, Hollywood Elementary School, along tree line of playground.

Owner: Saluda County School District One.

AQUIFER.--Paleozoic Argillite.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 480 ft, cased depth 92 ft, open hole from 92 to 480 ft.

INSTRUMENTATION.--Data collection platform--60 minute punch interval.

DATUM.--Land-surface datum is 445 ft above sea level. Measuring point: Top of casing, 2.30 ft above land-surface datum.

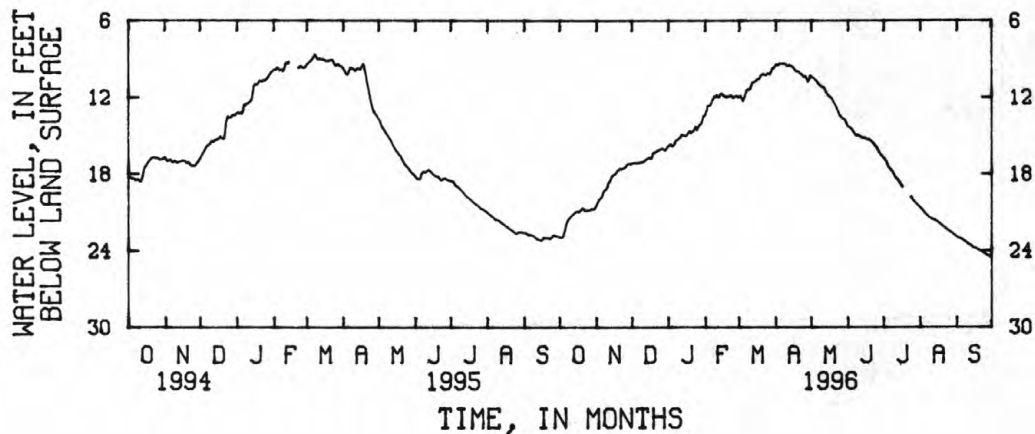
REMARKS.--Geophysical logs available in District files.

PERIOD OF RECORD.--October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 8.60 ft below land-surface datum, Mar. 8, 1995; lowest, 25.89 ft below land-surface datum, Oct. 30, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.92	20.43	17.17	15.82	13.41	11.95	9.40	10.41	14.30	16.79	20.64	22.93
2	22.94	20.21	17.15	15.70	13.12	11.88	9.50	10.43	14.36	16.91	20.73	23.00
3	22.98	19.99	17.15	15.66	12.68	12.09	9.47	10.51	14.40	17.03	20.86	23.03
4	22.89	19.92	17.12	15.81	12.68	12.28	9.35	10.59	14.51	17.28	20.99	23.06
5	22.46	19.83	17.14	15.79	12.67	12.12	9.36	10.70	14.69	17.49	21.09	23.10
6	22.06	19.64	17.13	15.69	12.47	11.85	9.35	10.82	14.83	17.61	21.19	23.15
7	21.78	19.36	17.10	15.37	12.31	11.47	9.34	10.99	14.92	17.70	21.27	23.24
8	21.58	19.24	17.16	15.35	12.08	11.37	9.37	11.06	15.02	17.80	21.35	23.29
9	21.44	19.17	17.04	15.26	11.91	11.42	9.34	11.13	14.99	17.92	21.41	23.39
10	21.33	19.03	17.05	15.18	11.96	11.35	9.50	11.22	15.03	18.12	21.46	23.47
11	21.24	18.68	17.02	15.16	11.82	11.10	9.53	11.22	15.07	18.30	21.54	23.51
12	21.17	18.59	16.93	14.93	11.95	10.86	9.50	11.30	15.15	18.39	21.56	23.56
13	21.08	18.38	16.88	14.96	12.01	10.82	9.47	11.56	15.19	18.49	21.59	23.61
14	20.96	18.14	16.80	14.97	11.76	10.79	9.56	11.73	15.21	18.64	21.67	23.71
15	20.91	18.07	16.74	14.97	11.72	10.67	9.58	11.88	15.19	18.78	21.73	23.79
16	20.91	18.03	16.69	15.00	11.80	10.60	9.68	11.92	15.24	18.92	21.79	23.82
17	20.92	17.97	16.80	14.90	11.93	10.56	9.86	12.01	15.29	19.03	21.85	23.82
18	20.86	17.84	16.74	14.73	11.88	10.54	9.93	12.17	15.31	---	21.92	23.90
19	20.79	17.72	16.39	14.63	11.99	10.27	9.97	12.29	15.35	---	22.02	23.94
20	20.68	17.66	16.34	14.81	11.94	10.23	9.99	12.43	15.41	---	22.08	24.00
21	20.67	17.54	16.31	14.71	11.97	10.18	10.12	12.58	15.49	---	22.14	24.03
22	20.80	17.60	16.23	14.64	11.89	10.19	10.19	12.78	15.61	---	22.23	24.07
23	20.86	17.57	16.18	14.46	11.86	10.26	10.20	13.06	15.73	---	22.32	24.16
24	20.82	17.53	16.15	14.28	11.93	10.25	10.37	13.29	15.84	19.82	22.39	24.22
25	20.80	17.49	16.06	14.54	12.07	10.14	10.40	13.44	15.96	19.96	22.45	24.27
26	20.80	17.36	16.03	14.43	11.96	10.14	10.36	13.56	16.14	20.08	22.51	24.33
27	20.76	17.24	15.99	14.16	11.92	10.20	10.59	13.65	16.32	20.20	22.57	24.41
28	20.71	17.20	16.08	14.14	11.88	10.00	10.80	13.70	16.45	20.29	22.65	24.43
29	20.73	17.17	16.16	13.92	12.01	9.76	10.65	13.74	16.60	20.37	22.72	24.49
30	20.72	17.24	16.11	13.71	---	9.72	10.28	13.93	16.68	20.46	22.79	24.55
31	20.63	---	15.91	13.46	---	9.59	---	14.17	---	20.57	22.86	---
MEAN	21.30	18.39	16.64	14.88	12.12	10.80	9.83	12.07	15.34	---	21.82	23.74
MAX	22.98	20.43	17.17	15.82	13.41	12.28	10.80	14.17	16.68	---	22.86	24.55
MIN	20.63	17.17	15.91	13.46	11.72	9.59	9.34	10.41	14.30	---	20.64	22.93



## GROUND-WATER LEVELS

## SPARTANBURG COUNTY

345145081502900. Local number, SP-1581.

LOCATION.--Lat 34°51'45'', long 81°50'19'', Hydrologic Unit 03050107, Croft State Park, at campground pumphouse.

Owner: S.C. Department of Parks, Recreation, and Tourism.

AQUIFER.--Precambrian Mica Schist.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 225 ft, cased depth 54 ft, open hole from 54 to 225 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 605 ft above sea level. Measuring point: Top of casing, 0.55 ft above land-surface datum.

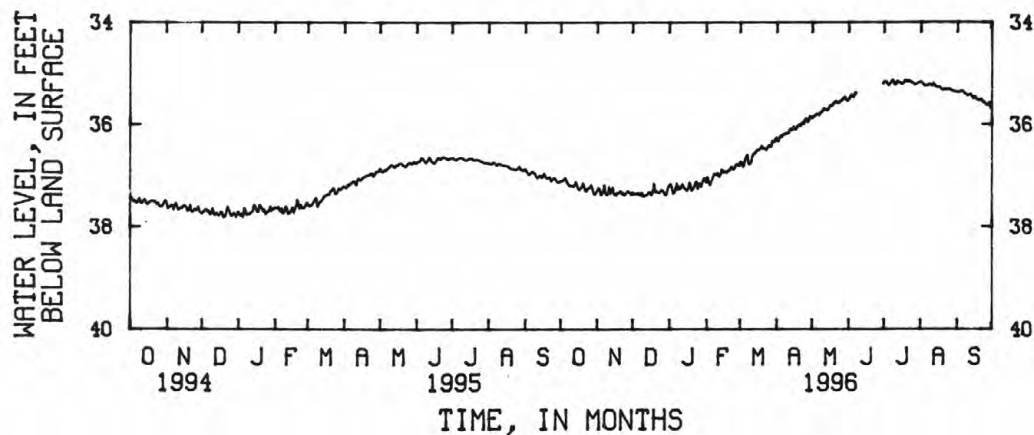
REMARKS.--Geophysical logs available in District files.

PERIOD OF RECORD.--October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 34.71 ft below land-surface datum, Oct. 2, 1993; lowest, 37.82 ft below land-surface datum, Dec. 20, 30, 1994, Jan. 5, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.11	37.31	37.32	37.20	37.14	36.75	36.26	35.88	35.51	35.17	35.17	35.37
2	37.11	37.24	37.38	37.16	37.03	36.73	36.34	35.85	35.47	35.16	35.18	35.38
3	37.10	37.25	37.36	37.22	37.10	36.83	36.27	35.83	35.42	35.16	35.21	35.36
4	37.07	37.39	37.35	37.35	37.19	36.82	36.22	35.81	35.44	35.21	35.23	35.36
5	37.06	37.37	37.38	37.35	37.15	36.69	36.25	35.80	35.45	35.23	35.24	35.35
6	37.13	37.31	37.34	37.29	37.10	36.62	36.20	35.80	35.42	35.19	35.24	35.36
7	37.16	37.18	37.37	37.15	37.04	36.59	36.20	35.82	35.38	35.16	35.23	35.40
8	37.19	37.35	37.40	37.28	36.95	36.79	36.18	35.76	---	35.13	35.23	35.40
9	37.20	37.39	37.33	37.21	36.98	36.78	36.18	35.76	---	35.16	35.21	35.43
10	37.20	37.36	37.42	37.27	36.98	36.77	36.18	35.73	---	35.22	35.23	35.44
11	37.21	37.21	37.40	37.24	36.94	36.63	36.16	35.68	---	35.22	35.24	35.43
12	37.22	37.36	37.39	37.16	37.03	36.58	36.10	35.72	---	35.15	35.19	35.42
13	37.19	37.29	37.39	37.23	36.99	36.58	36.09	35.72	---	35.16	35.24	35.43
14	37.13	37.23	37.34	37.25	36.88	36.55	36.11	35.72	---	35.17	35.27	35.48
15	37.20	37.35	37.32	37.28	36.90	36.50	36.04	35.69	---	35.19	35.27	35.50
16	37.26	37.37	37.33	37.30	36.95	36.51	36.09	35.64	---	35.21	35.27	35.46
17	37.29	37.40	37.39	37.24	36.92	36.50	36.10	35.63	---	35.20	35.27	35.48
18	37.25	37.34	37.32	37.13	36.94	36.48	36.05	35.63	---	35.17	35.30	35.54
19	37.23	37.34	37.14	37.19	36.94	36.41	36.03	35.59	---	35.13	35.32	35.53
20	37.15	37.33	37.32	37.30	36.90	36.47	36.01	35.57	---	35.15	35.33	35.54
21	37.22	37.29	37.31	37.26	36.90	36.48	36.03	35.55	---	35.16	35.31	35.51
22	37.31	37.37	37.33	37.23	36.85	36.48	35.98	35.57	---	35.14	35.31	35.53
23	37.31	37.34	37.33	37.14	36.83	36.51	35.96	35.59	---	35.15	35.32	35.58
24	37.25	37.39	37.33	37.11	36.89	36.47	35.98	35.57	---	35.18	35.31	35.57
25	37.25	37.37	37.28	37.27	36.87	36.41	35.90	35.54	---	35.18	35.31	35.61
26	37.23	37.32	37.29	37.16	36.80	36.43	35.88	35.53	---	35.20	35.32	35.64
27	37.18	37.30	37.30	37.15	36.78	36.44	35.96	35.50	---	35.22	35.33	35.63
28	37.26	37.32	37.36	37.22	36.78	36.33	35.93	35.48	---	35.21	35.35	35.58
29	37.36	37.34	37.39	37.12	36.82	36.33	35.84	35.46	---	35.20	35.35	35.67
30	37.37	37.39	37.33	37.06	---	36.35	35.85	35.53	35.19	35.19	35.36	35.70
31	37.34	---	37.22	37.06	---	36.27	---	35.54	---	35.18	35.36	---
MEAN	37.21	37.33	37.34	37.21	36.95	36.55	36.08	35.66	---	35.18	35.27	35.49
MAX	37.37	37.40	37.42	37.35	37.19	36.83	36.34	35.88	---	35.23	35.36	35.70
MIN	37.06	37.18	37.14	37.06	36.78	36.27	35.84	35.46	---	35.13	35.17	35.35



## GROUND-WATER LEVELS

## YORK COUNTY

350150081012500. Local number, YK-147.

LOCATION.--Lat 35°01'37'', long 81°01'59'', Hydrologic Unit 03050101, near Fort Mill on Lake Wylie.

Owner: Tega Cay Development.

AQUIFER.--Rocks of Paleozoic to Precambrian age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in, depth 700 ft, cased to 50 ft, open hole from 50 to 700 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute punch interval.

DATUM.--Land-surface datum is 600 ft above sea level. Measuring point: Top of platform, 0.75 ft above land-surface datum.

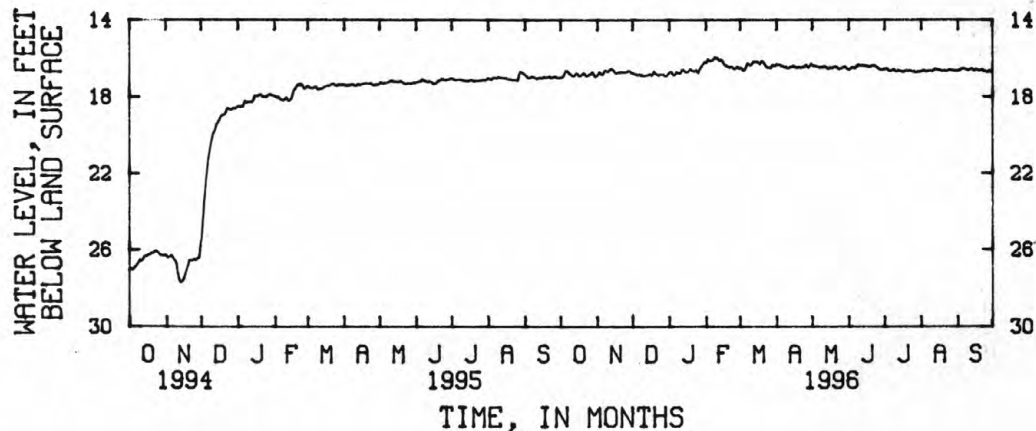
REMARKS.--Water-level affected by stage of Lake Wylie. Geophysical logs available in District files.

PERIOD OF RECORD.--October 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 15.92 ft below land-surface datum, Feb. 9, 1996; lowest, 31.67 ft below land-surface datum, July 24, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.00	16.88	16.75	16.74	16.23	16.52	16.30	16.35	16.59	16.56	16.68	16.64
2	17.00	16.78	16.79	16.69	16.16	16.50	16.34	16.39	16.56	16.56	16.68	16.65
3	16.96	16.70	16.80	16.71	16.02	16.59	16.33	16.40	16.50	16.53	16.65	16.62
4	16.86	16.79	16.83	16.84	16.11	16.66	16.35	16.41	16.48	16.60	16.64	16.56
5	16.68	16.84	16.87	16.88	16.14	16.59	16.39	16.42	16.49	16.65	16.67	16.55
6	16.64	16.81	16.85	16.86	16.11	16.43	16.41	16.44	16.51	16.65	16.68	16.53
7	16.65	16.66	16.84	16.69	16.07	16.26	16.44	16.48	16.47	16.64	16.67	16.57
8	16.74	16.63	16.91	16.75	16.01	16.28	16.48	16.47	16.41	16.61	16.67	16.58
9	16.82	16.65	16.84	16.74	15.92	16.35	16.45	16.46	16.34	16.59	16.65	16.60
10	16.87	16.68	16.91	16.78	15.99	16.37	16.51	16.47	16.36	16.64	16.66	16.62
11	16.90	16.60	16.92	16.73	15.98	16.29	16.51	16.43	16.37	16.69	16.68	16.60
12	16.93	16.57	16.90	16.57	16.09	16.19	16.49	16.43	16.36	16.67	16.61	16.58
13	16.89	16.53	16.90	16.60	16.13	16.18	16.46	16.49	16.37	16.64	16.56	16.55
14	16.79	16.56	16.86	16.65	16.05	16.18	16.46	16.52	16.37	16.66	16.57	16.61
15	16.77	16.65	16.84	16.68	16.13	16.16	16.42	16.55	16.38	16.66	16.60	16.64
16	16.87	16.71	16.84	16.73	16.25	16.20	16.41	16.50	16.40	16.70	16.61	16.61
17	16.93	16.78	16.89	16.69	16.36	16.26	16.47	16.48	16.43	16.71	16.60	16.56
18	16.90	16.74	16.84	16.64	16.37	16.30	16.48	16.50	16.44	16.69	16.63	16.62
19	16.86	16.72	16.67	16.53	16.43	16.17	16.48	16.48	16.44	16.65	16.67	16.63
20	16.79	16.74	16.75	16.61	16.45	16.16	16.46	16.46	16.40	16.63	16.66	16.65
21	16.78	16.68	16.82	16.63	16.48	16.23	16.48	16.44	16.38	16.66	16.64	16.62
22	16.89	16.73	16.85	16.66	16.46	16.35	16.48	16.46	16.36	16.65	16.65	16.61
23	16.93	16.72	16.88	16.65	16.45	16.44	16.45	16.53	16.39	16.65	16.67	16.67
24	16.89	16.72	16.85	16.57	16.51	16.49	16.47	16.57	16.45	16.68	16.64	16.67
25	16.85	16.72	16.83	16.73	16.56	16.48	16.42	16.55	16.48	16.70	16.60	16.69
26	16.84	16.71	16.83	16.76	16.51	16.48	16.35	16.52	16.54	16.69	16.61	16.72
27	16.78	16.67	16.84	16.54	16.48	16.50	16.41	16.49	16.56	16.72	16.61	16.71
28	16.70	16.65	16.90	16.46	16.44	16.39	16.48	16.46	16.58	16.73	16.63	16.65
29	16.85	16.67	16.94	16.35	16.54	16.35	16.41	16.44	16.59	16.72	16.66	16.69
30	16.95	16.76	16.91	16.25	---	16.40	16.27	16.50	16.57	16.72	16.65	16.72
31	16.94	---	16.80	16.18	---	16.38	---	16.58	---	16.71	16.66	---
MEAN	16.85	16.70	16.85	16.64	16.26	16.36	16.43	16.47	16.45	16.66	16.64	16.62
MAX	17.00	16.88	16.94	16.88	16.56	16.66	16.51	16.58	16.59	16.73	16.68	16.72
MIN	16.64	16.53	16.67	16.18	15.92	16.16	16.27	16.35	16.34	16.53	16.56	16.53





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## CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
<i>Length</i>		
inch (in.)	$2.54 \times 10^1$	millimeter
	$2.54 \times 10^{-2}$	meter
foot (ft)	$3.048 \times 10^{-1}$	meter
mile (mi)	$1.609 \times 10^0$	kilometer
<i>Area</i>		
acre	$4.047 \times 10^3$	square meter
	$4.047 \times 10^{-1}$	square hectometer
	$4.047 \times 10^{-3}$	square kilometer
square mile (mi <sup>2</sup> )	$2.590 \times 10^0$	square kilometer
<i>Volume</i>		
gallon (gal)	$3.785 \times 10^0$	liter
	$3.785 \times 10^0$	cubic decimeter
	$3.785 \times 10^{-3}$	cubic meter
million gallons (Mgal)	$3.785 \times 10^3$	cubic meter
	$3.785 \times 10^{-3}$	cubic hectometer
cubic foot (ft <sup>3</sup> )	$2.832 \times 10^1$	cubic decimeter
	$2.832 \times 10^{-2}$	cubic meter
cubic-foot-per-second day [(ft <sup>3</sup> /s) d]	$2.447 \times 10^3$	cubic meter
	$2.447 \times 10^{-3}$	cubic hectometer
acre-foot (acre-ft)	$1.233 \times 10^3$	cubic meter
	$1.233 \times 10^{-3}$	cubic hectometer
	$1.233 \times 10^{-6}$	cubic kilometer
<i>Flow</i>		
cubic foot per second (ft <sup>3</sup> /s)	$2.832 \times 10^1$	liter per second
	$2.832 \times 10^1$	cubic decimeter per second
	$2.832 \times 10^{-2}$	cubic meter per second
gallon per minute (gal/min)	$6.309 \times 10^{-2}$	liter per second
	$6.309 \times 10^{-2}$	cubic decimeter per second
	$6.309 \times 10^{-5}$	cubic meter per second
million gallons per day (Mgal/d)	$4.381 \times 10^1$	cubic decimeter per second
	$4.381 \times 10^{-2}$	cubic meter per second
<i>Mass</i>		
ton (short)	$9.072 \times 10^{-1}$	megagram or metric ton

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



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