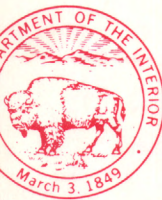
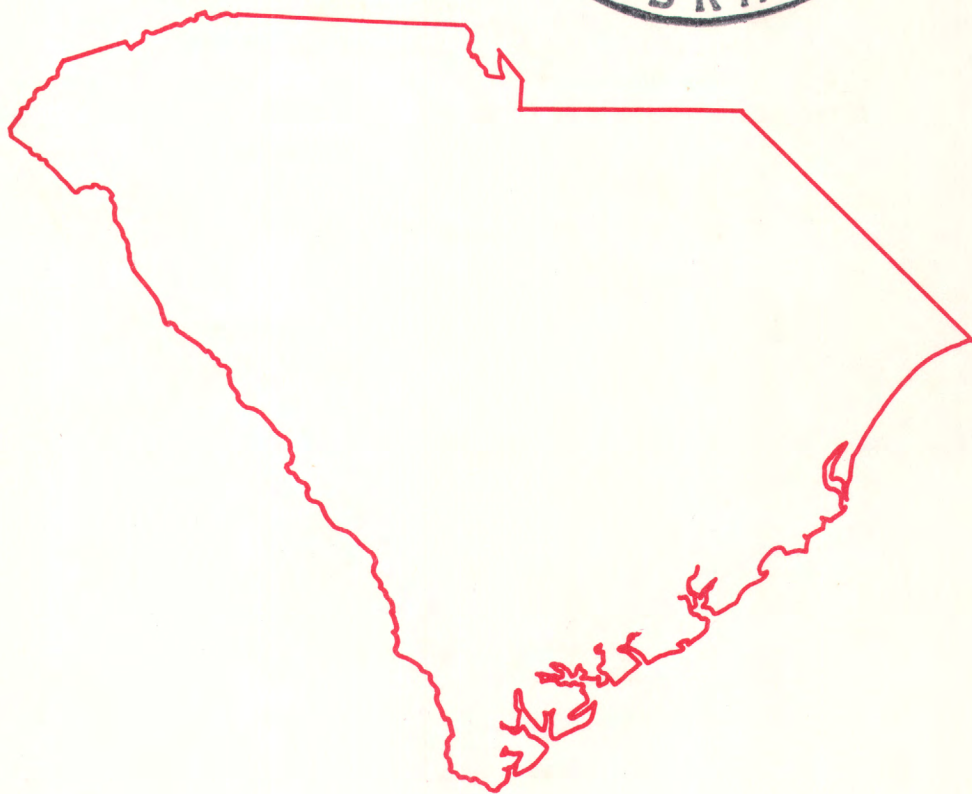
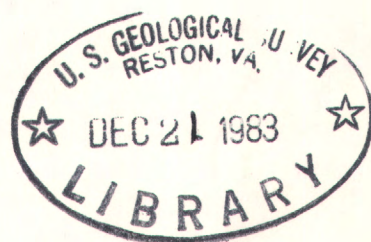


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Water Resources Data South Carolina Water Year 1982



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-82-1
Prepared in cooperation with the State of South Carolina
and with other local and Federal agencies

CALENDAR FOR WATER YEAR 1982

1981

OCTOBER

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Water Resources Data South Carolina Water Year 1982

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



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-82-1
Prepared in cooperation with the State of South Carolina
and with other local and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

JAMES G. WATT, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

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

1983

PREFACE

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

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

REPORT DOCUMENTATION PAGE	1. REPORT NO. USGS/WRD/HD-82-078	2.	3. Recipient's Accession No.
4. Title and Subtitle Water Resources Data South Carolina Water Year 1982	5. Report Date September 1983		6.
7. Author(s)	8. Performing Organization Rept. No. USGS-WRD-SC-82-1		9. Performing Organization Name and Address U.S. Geological Survey, Water Resources Division 1835 Assembly Street, Room 658 Columbia, South Carolina 29201
10. Project/Task/Work Unit No.		11. Contract(C) or Grant(G) No. (C) (G)	
12. Sponsoring Organization Name and Address U.S. Geological Survey, Water Resources Division 1835 Assembly Street, Room 658 Columbia, South Carolina 29201		13. Type of Report & Period Covered Annual - Oct. 1, 1981, to Sept. 30, 1982	
14.		15. Supplementary Notes Prepared in cooperation with the State of South Carolina and with other agencies.	
16. Abstract (Limit: 200 words) Water resources data for the 1982 water year for South Carolina consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. This volume contains records for water discharge at 78 gaging stations, stage only at 5 gaging stations, stage and contents at 11 lakes and reservoirs, water quality at 37 gaging stations, and water levels at 57 observation wells. Also included are data for 42 crest-stage partial-record stations. Locations of these sites are shown on figures 3, 4, and 5. 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 cooperating State and Federal agencies in South Carolina.			
17. Document Analysis a. Descriptors *South Carolina, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses. b. Identifiers/Open-Ended Terms c. COSATI Field/Group			
18. Availability Statement: No restriction on distribution. This report may be purchased: National Technical Information Service Springfield, VA 22161		19. Security Class (This Report) Unclassified	21. No. of Pages 330
		20. Security Class (This Page) Unclassified	22. Price

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

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

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WATER RESOURCES DATA FOR SOUTH CAROLINA, 1982

INTRODUCTION

Water resources data for the 1982 water year for South Carolina consist of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and water levels of ground water. This report contains discharge records for 78 gaging stations; stage-only records for 5 gaging stations; stage and contents for 11 lakes and reservoirs; water quality for 37 gaging stations; and water levels for 57 observation wells. Also included are data for 42 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous investigations of water quality. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in South Carolina.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 604 South Pickett Street, Arlington, VA 22304.

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

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two letter State Abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report SC-82-1." For archiving and general distribution, the reports for water years 1971-74 are also identified as water-data reports. These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

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

COOPERATION

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

South Carolina Water Resources Commission, A. H. Vang, Executive Director
South Carolina Public Service Authority, W. C. Mescher, General Manager
South Carolina Department of Highways and Public Transportation,
P. W. Cobb, Chief Highway Commissioner
South Carolina Department of Health and Environmental Control,
R. S. Jackson, Commissioner
City of Charleston, J. R. Bettis, Manager of Commission of Public Works
City of Spartanburg, L. D. Cantrell, Chairman of Commissioners of Public
Works

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

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

The following organizations aided in collecting records:

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

ACKNOWLEDGEMENT

South Carolina District personnel who contributed significantly to the collection and preparation of the data in this report were: C. S. Bennett, J. W. Gissendanner, H. E. Herlong, R. D. Hayes, F. A. Johnson, W. M. Bloxham, J. M. Barton, D. L. Belval, B. W. Church, T. W. Cooney, J. M. Hall, K. H. Jones, D. E. Leary, R. L. Lofton, R. E. McGonigle, Frank Melendez, W. L. Morris, G. L. Murray, and J. D. Scerra.

SUMMARY OF HYDROLOGIC CONDITIONS

Although total rainfall throughout South Carolina for the 1982 water year was about normal, the distribution of rainfall produced below normal streamflow during some periods of the year. Below normal streamflow was most evident in the Piedmont physiographic province during the month of October. The Piedmont province, which covers the upper 35 percent of the State above the "Fall Line" is very sensitive to precipitation due to the geology and topography of the area. Deficient rainfall in October and prior months produced streamflow below the computed 7-day, 10-year minimum discharge in the Piedmont as shown in the following table:

Station	Drainage area (square mile)	Minimum mean daily discharge (cubic foot per second)	7Q ₁₀ discharge (cubic foot per second)
<u>Piedmont</u>			
02155500 Pacolet River near Fingerville	212	58	61
02163500 Saluda River near Ware Shoals	581	48	190
<u>Inner Coastal Plain</u>			
02135300 Scape Ore Swamp near Bishopville	96.0	9.8	6.7
<u>Lower Coastal Plain</u>			
02136000 Black River at Kingstree	1,252	9.8	5.7
02176500 Coosawhatchie River near Hampton	203	0	.03

Low-flow conditions in the Inner and Lower Coastal Plain provinces were less severe due to higher sustained flows as shown by the preceding table. Rainfall in these provinces ranged from 20 percent above normal at Columbia to 6 percent below normal in Charleston. Figure 1 on page 4 shows a comparison of monthly and yearly mean discharges during water year 1982 with the median of monthly and yearly discharges for the periods listed for two index stations in these areas.

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

Ground-water levels, like streamflow, strongly reflected climatic conditions. In the Piedmont, ground water occurs in the fault and fracture system of the crystalline rock and in places in the shallow material overlying the hard rock. Water levels in the area quickly reflect the amount of precipitation received. The water level in well GRV-709 near Greenville, an 80-foot deep water-table well, fell 5.23 feet during the 1981 water year due to lack of rainfall. The water level fell an additional 0.37 foot during October of the 1982 water year. After the low in October, increased rainfall produced a steady rise of 3.38 feet by July 1. Water levels in this well remained relatively constant throughout the remainder of the water year.

In the Coastal Plain the ground water occurs in multiple aquifer systems, mostly under artesian or confined conditions. Ground water is used extensively in this portion of the State and in areas of heavy withdrawals of ground water by pumping from the artesian aquifers, a reduction of the pressure head has caused the water level to

HYDROLOGIC CONDITIONS

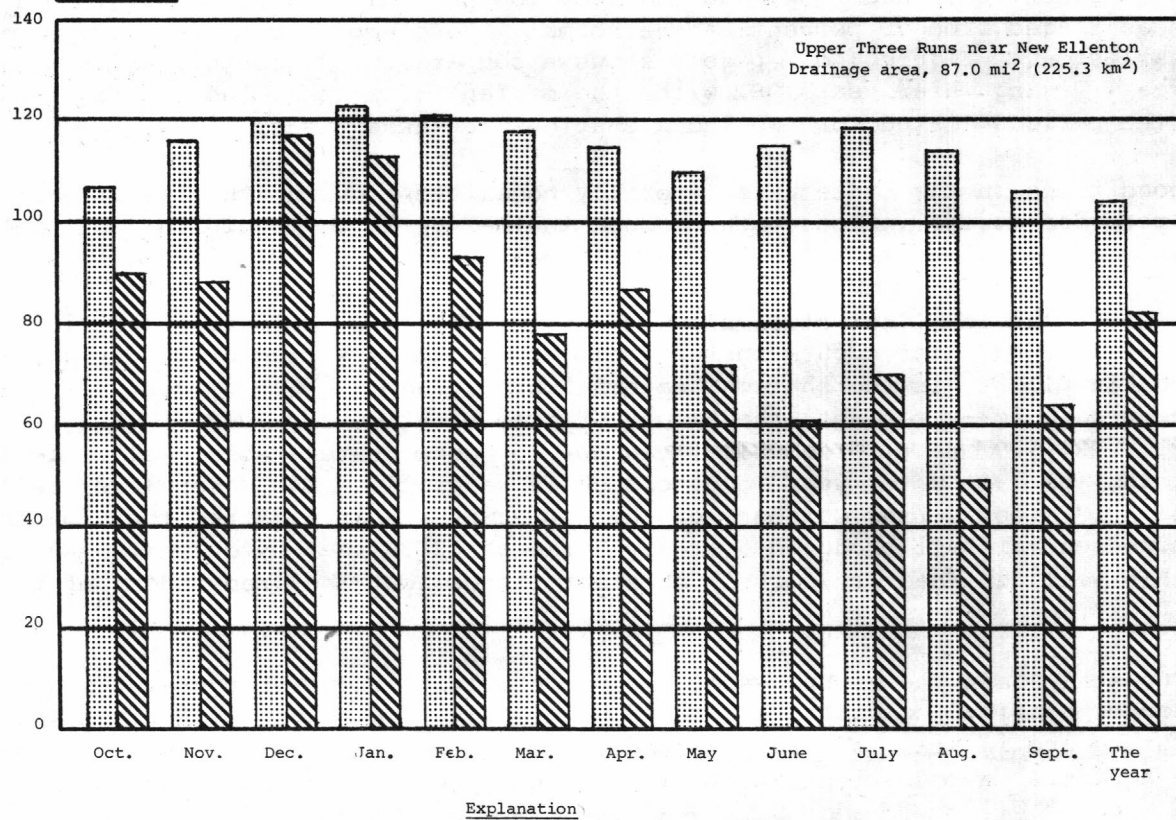
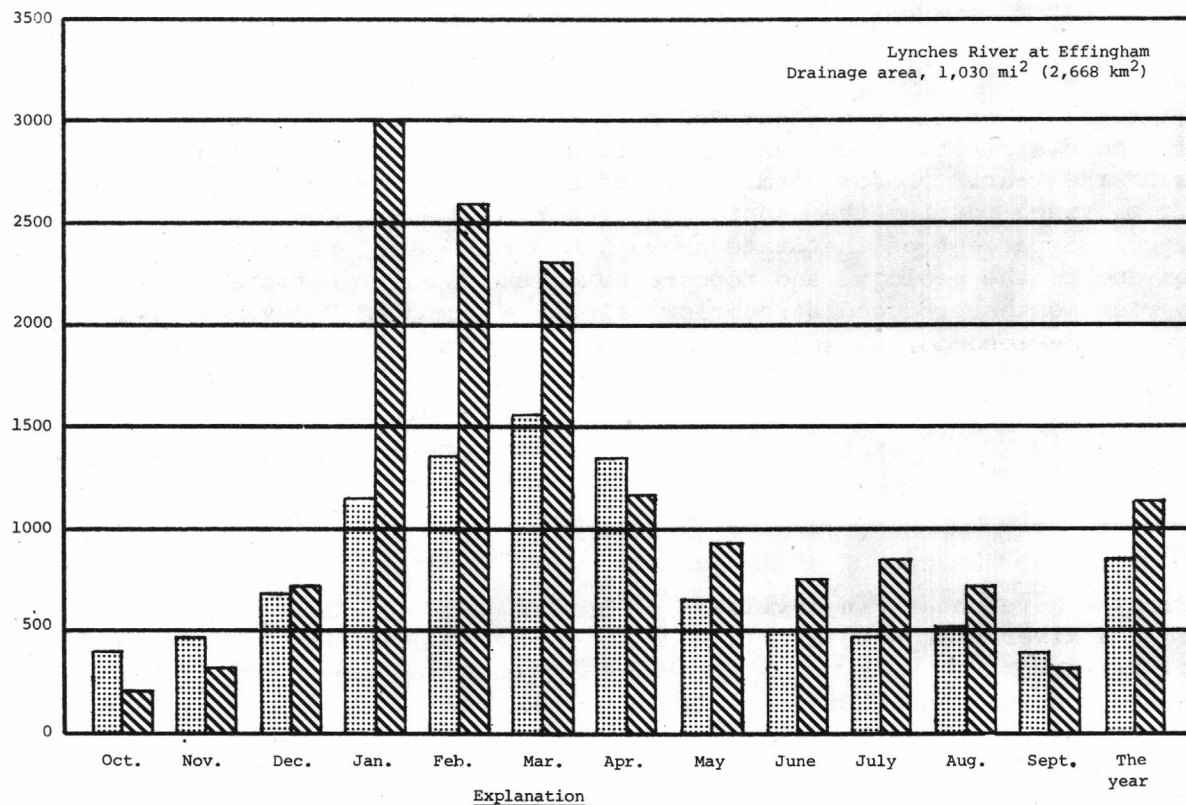


Figure 1.--Comparison of discharge of two long-term representative gaging stations during 1982 water year with median discharges.

decline. This decline persists in areas where continual heavy pumping on a year-round basis exists. In areas where heavy pumping is subject to seasonal or peak demands, water levels will fluctuate upward during periods of lighter pumping. The nonartesian or water-table aquifers used mostly for domestic water supplies affected more by recharge from precipitation than pumping showed a general decline in levels due to below normal precipitation. Variations in water levels for wells included in this report are illustrated by hydrographs below the tables in the ground-water section.

Water-quality data were collected at 37 surface-water sites during this water year. Comparison of this data with previous years showed little change in the chemical quality occurred this year.

NOTICE

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

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

DEFINITION OF TERMS

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

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

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

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

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

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

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

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

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

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

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

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

Dry mass refers to the mass of residue present after drying in an oven at 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 multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate (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 (m^2), acres, or hectares. Periphyton benthic organisms, and macrophytes are expressed in these terms.

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

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

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

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

The classification is as follows:

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

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

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

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

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

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

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

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

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

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

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

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

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

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

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

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

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

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

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

Substrate is the physical surface upon which an organism lived.

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

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

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

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

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

Tons per day is the quantity of substance in solution of 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, 1982, is called the "1982 water year."

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

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

DOWNSTREAM ORDER AND STATION NUMBERS

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

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 02175000, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6-digit downstream order number 175000.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

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

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

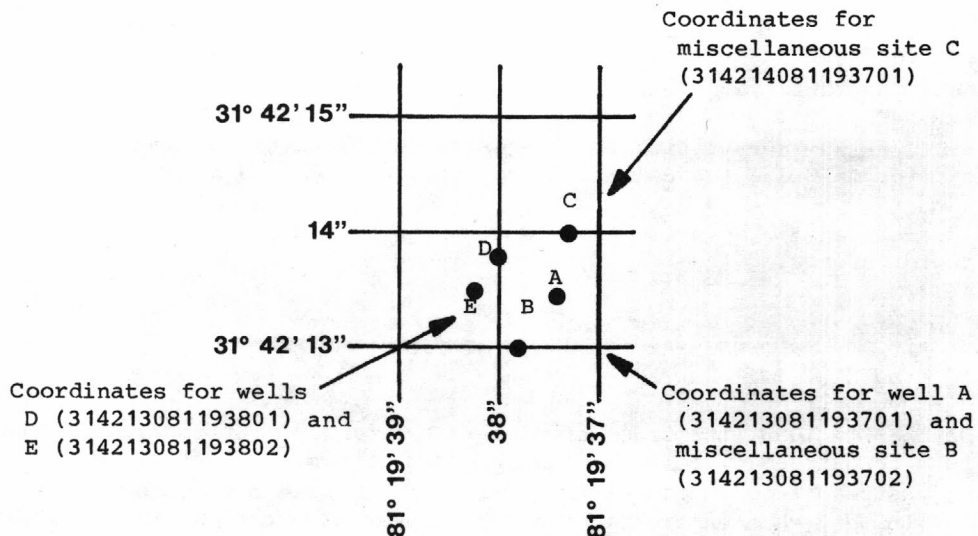


Figure 2.--System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORKS AND PROGRAMS

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

National stream-quality accounting network (NASQAN) is a data collection network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

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

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

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

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

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

Geological Survey. These methods are described in standard text-books, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

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

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

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

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents

or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964 to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revision, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figures was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

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

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

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under

"EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with EXTREMES FOR THE CURRENT YEAR; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large non-contributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

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

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

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

Accuracy of field data and computed results

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

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

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

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

Other data available

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

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

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

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

The descriptive heading for water-quality records gives periods of record for the various types of water-quality data (chemical, specific conductance, biological

determination, water temperatures, sediment discharge), period of record and, extremes of pertinent data, and general remarks.

Water analysis

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

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

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

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

Water temperature

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

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

Sediment

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

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

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

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

The ground-water level data published in this report is from a basic network of observation wells located across the State (fig. 5). These wells penetrate and receive water from various aquifers and supply the most significant data on the regional ground-water conditions of the State.

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

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

The hydrographs were plotted using the measurement of the mean value for each day.

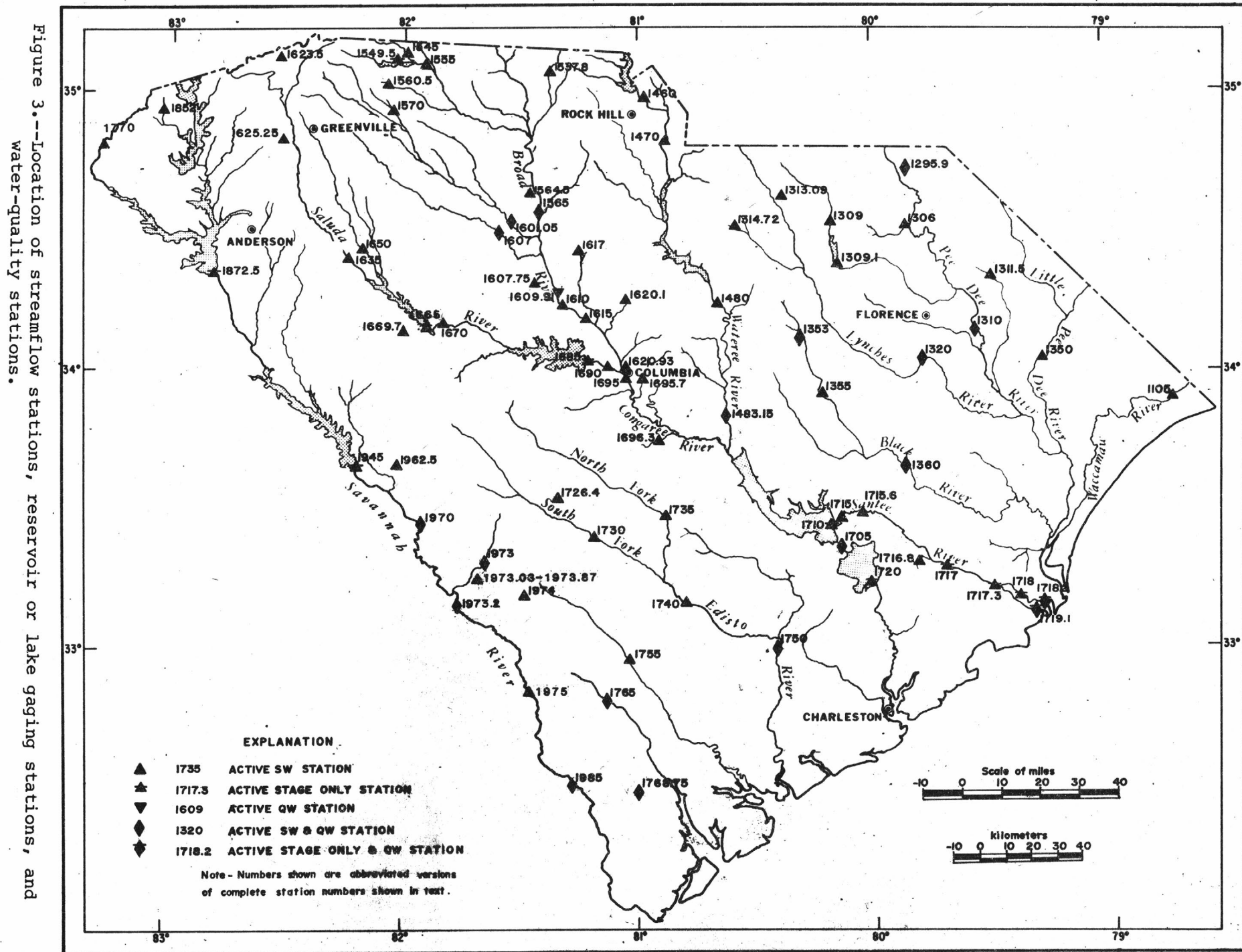
Water-level measurements in this report are given in feet with reference to either National Geodetic Vertical Datum (NGVD) or land-surface datum (lsd). National Geodetic Vertical Datum of 1929 is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane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

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

Thirty-seven manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 604 South Pickett St., Alexandria, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office).

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

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.
- 3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehle, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.



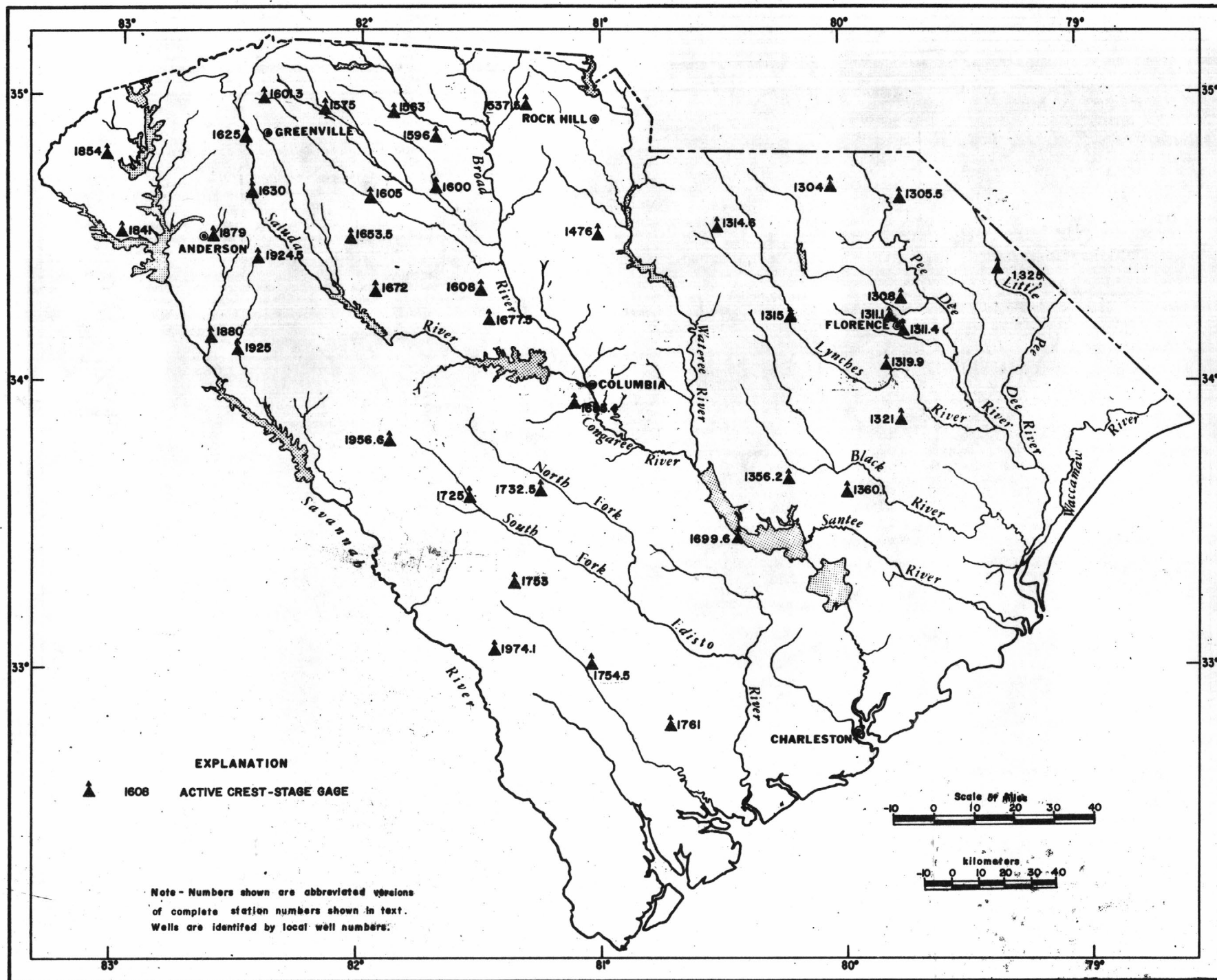
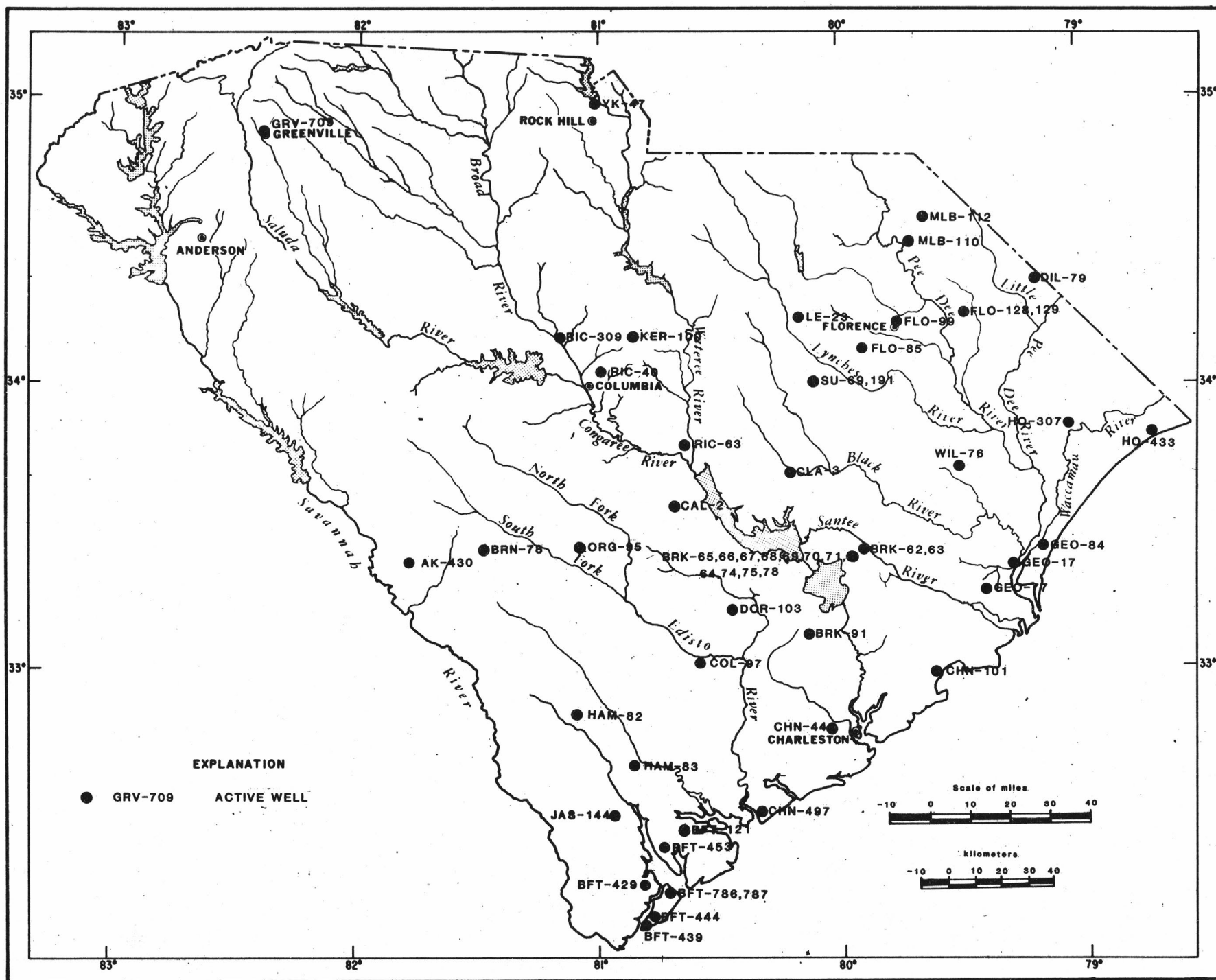


Figure 4.--Location of crest-stage stations.

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



SURFACE WATER RECORDS

GAGING-STATION RECORDS

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WACCAMAW RIVER BASIN

02110500 WACCAMAW RIVER NEAR LONGS, S.C.

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

DRAINAGE AREA.--1,110 mi² (2,875 km²), approximately.

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

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

REMARKS.--Records fair.

AVERAGE DISCHARGE.--32 years, 1,217 ft³/s (34.47 m³/s), 14.89 in/yr (378 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,200 ft³/s (459 m³/s) Aug. 23, 1981, gage height, 14.87 ft (4.532 m); minimum, 1 ft³/s (0.03 m³/s) Oct. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,780 ft³/s (164 m³/s) Feb. 22, gage height, 11.93 ft (3.636 m); minimum, 30 ft³/s (0.85 m³/s) Sept. 20, gage height, 0.89 ft (0.271 m).

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	593	72	42	1480	2540	4320	788	1360	246	3890	1120	113
2	521	72	48	1730	2710	4040	728	1480	242	3600	1200	108
3	447	72	57	2120	3370	3770	669	1560	249	3270	1260	102
4	381	72	62	3270	3680	3470	608	1570	255	2990	1250	92
5	326	71	65	3990	3700	3180	550	1520	258	2710	1190	81
6	278	69	69	4360	3790	2960	504	1430	264	2810	1100	73
7	244	67	72	4570	3870	2810	454	1330	282	2730	993	68
8	213	64	73	4880	4000	2620	410	1250	305	2560	883	63
9	186	62	74	5230	4060	2430	384	1180	339	2350	770	58
10	164	60	73	5490	4130	2250	358	1100	389	2140	654	55
11	150	58	74	5600	4040	2110	334	1010	480	1950	536	51
12	136	56	74	5560	3940	2010	313	919	577	1740	444	48
13	124	55	72	5510	4300	1930	295	832	683	1520	407	45
14	114	54	80	5470	4420	1860	281	745	779	1350	434	42
15	109	52	150	5400	4300	1790	268	654	848	1280	450	40
16	105	53	206	5170	4420	1730	256	566	892	1240	434	38
17	101	50	247	4880	5020	1660	241	483	911	1160	430	36
18	96	48	293	4580	5420	1610	228	404	990	1080	421	34
19	89	46	348	4270	5470	1540	214	335	1320	1020	399	31
20	82	45	384	4000	5530	1470	206	278	1800	975	367	31
21	78	44	417	3750	5670	1400	287	243	2100	967	330	46
22	73	43	450	3490	5760	1340	308	215	2600	953	298	58
23	69	42	477	3270	5740	1300	326	200	3000	958	273	58
24	65	41	502	3140	5580	1250	336	217	3400	1120	255	62
25	61	41	555	2970	5360	1210	345	259	3850	1160	234	74
26	58	41	654	2780	5080	1150	608	250	4000	1150	214	124
27	57	41	713	2630	4860	1080	1030	238	4160	1130	198	199
28	65	41	767	2550	4600	1020	1150	237	4290	1100	187	210
29	68	41	865	2480	---	961	1220	247	4300	1050	169	228
30	68	41	987	2480	---	903	1280	257	4140	1160	139	251
31	70	---	1110	2480	---	846	---	255	---	1110	121	---
TOTAL	5191	1614	10060	119580	125360	62020	14979	22624	47949	54223	17160	2519
MEAN	167	53.8	325	3857	4477	2001	499	730	1598	1749	554	84.0
MAX	593	72	1110	5600	5760	4320	1280	1570	4300	3890	1260	251
MIN	57	41	42	1480	2540	846	206	200	242	953	121	31
CFSM	.15	.05	.29	3.48	4.03	1.80	.45	.66	1.44	1.58	.50	.08
IN.	.17	.05	.34	4.01	4.20	2.08	.50	.76	1.61	1.82	.58	.08

CAL YR 1981 TOTAL 346473 MEAN 949 MAX 16000 MIN 41 CFSM .86 IN 11.61
WTR YR 1982 TOTAL 483279 MEAN 1324 MAX 5760 MIN 31 CFSM 1.19 IN 16.20

PEE DEE RIVER BASIN

02129590 WHITES CREEK NEAR WALLACE, S.C.

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

DRAINAGE AREA.--26.4 mi² (68.4 km²).

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 278 ft³/s (7.87 m³/s) Mar. 29, 1980, gage height, 4.94 ft (1.506 m); minimum, 0.11 ft³/s (0.003 m³/s) June 29, 30, July 1, 2, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 248 ft³/s (7.02 m³/s) Jan. 5, gage height, 4.65 ft (1.417 m); minimum, 0.28 ft³/s (0.008 m³/s) Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.66	17	13	94	42	149	23	47	15	12	30	7.6
2	.73	11	17	116	44	108	22	36	12	9.7	36	7.0
3	.39	8.2	17	139	59	78	21	31	15	7.8	52	8.5
4	.35	8.0	19	200	83	60	20	28	22	7.2	36	7.4
5	.39	13	20	227	101	51	19	24	77	7.4	15	6.8
6	.49	12	16	155	88	46	19	22	123	7.0	12	6.4
7	.80	8.5	16	99	68	58	19	20	109	6.6	9.7	6.0
8	.60	6.6	14	70	61	83	22	18	46	5.8	9.4	5.8
9	.66	6.0	11	56	52	94	38	17	20	5.1	10	5.4
10	.80	7.2	9.4	48	48	76	41	16	22	4.8	11	5.4
11	1.2	7.6	8.5	41	43	56	51	15	70	6.6	19	5.4
12	1.1	7.8	8.7	35	43	48	40	13	112	30	21	5.6
13	1.2	8.0	8.9	35	49	43	29	12	119	51	18	5.8
14	.96	8.5	11	44	49	41	23	11	84	51	21	6.0
15	2.2	8.5	24	49	51	45	21	10	52	34	21	6.2
16	4.9	8.5	32	53	49	51	20	9.2	50	30	14	5.8
17	3.6	8.9	34	59	61	53	23	41	68	30	11	5.6
18	2.4	8.5	47	52	67	51	47	106	73	28	14	5.4
19	1.7	8.9	38	52	73	43	49	6.0	74	19	43	6.4
20	.87	8.9	25	49	61	39	65	6.0	55	14	39	6.8
21	.80	8.5	19	52	49	35	58	6.2	29	12	47	8.0
22	.80	8.2	19	64	40	34	47	6.4	28	13	32	10
23	2.0	8.0	18	79	35	37	45	6.4	41	22	18	11
24	6.8	11	18	105	33	33	35	6.6	41	21	12	11
25	10	11	45	103	31	30	29	29	68	17	9.7	10
26	14	12	62	84	29	28	39	24	51	23	8.2	11
27	21	14	94	61	58	26	65	15	25	24	7.4	12
28	29	13	79	49	114	24	109	14	24	16	6.8	13
29	48	12	58	43	---	23	91	13	20	11	6.4	17
30	51	11	43	39	---	23	66	17	15	8.0	5.8	14
31	32	---	49	39	---	23	---	21	---	9.7	7.4	---
TOTAL	241.40	290.3	893.5	2391	1581	1589	1196	646.8	1560	543.7	602.8	242.3
MEAN	7.79	9.68	28.8	77.1	56.5	51.3	39.9	20.9	52.0	17.5	19.4	8.08
MAX	51	17	94	227	114	149	109	106	123	51	52	17
MIN	.35	6.0	8.5	35	29	23	19	6.0	12	4.8	5.8	5.4
CAL YR 1981	TOTAL	4724.29	MEAN	12.9	MAX	94	MIN	.11				
WTR YR 1982	TOTAL	11777.80	MEAN	32.3	MAX	227	MIN	.35				

02130900 BLACK CREEK NEAR MCBEE, S.C.

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

DRAINAGE AREA.--108 mi² (280 km²).

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--23 years, 165 ft³/s (4.673 m³/s), 20.75 in/yr (527 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,770 ft³/s (50.1 m³/s) July 16, 1975, gage height, 11.29 ft (3.441 m); minimum 17 ft³/s (0.48 m³/s) June 29, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 683 ft³/s (19.3 m³/s) Jan. 6, gage height, 9.51 ft (2.899 m), no other peak above base of 500 ft³/s (14.2 m³/s); minimum, 30 ft³/s (0.85 m³/s) Sept. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	58	73	303	174	263	137	237	90	107	147	30
2	39	56	102	293	174	348	135	188	75	73	185	30
3	37	55	110	462	211	356	135	154	67	54	194	34
4	36	53	107	615	279	299	133	140	88	47	169	51
5	37	53	84	561	324	253	130	130	158	52	108	52
6	39	57	73	654	454	221	131	120	184	58	84	48
7	38	58	67	532	376	218	133	107	203	58	70	44
8	37	55	64	366	282	240	135	97	216	58	61	41
9	37	54	62	271	238	258	164	95	145	64	55	38
10	36	60	61	228	225	325	171	88	87	62	56	36
11	38	69	59	212	210	286	178	80	88	50	53	35
12	40	66	59	212	202	235	186	73	117	47	53	34
13	41	62	59	212	215	204	163	67	138	61	54	33
14	41	59	66	183	217	187	143	62	140	74	50	33
15	41	57	123	178	207	181	135	58	122	91	48	32
16	40	55	168	182	211	184	130	55	118	104	46	32
17	40	59	172	198	236	186	138	61	116	98	41	31
18	39	62	187	203	241	206	181	91	110	94	41	31
19	39	61	227	210	235	223	175	83	102	114	60	30
20	39	59	210	222	252	203	178	70	83	170	72	44
21	39	57	150	231	250	182	179	84	68	139	67	80
22	39	55	115	242	224	175	165	119	74	105	55	121
23	40	55	110	252	198	168	166	104	119	75	46	125
24	41	59	111	293	182	162	156	86	149	73	41	123
25	63	65	180	295	169	160	142	89	120	133	40	108
26	136	67	224	279	160	155	163	116	77	136	38	85
27	141	67	225	258	187	151	199	117	68	110	35	80
28	136	66	266	226	235	147	223	121	144	77	33	80
29	113	65	292	198	---	144	243	134	162	62	32	78
30	83	64	251	177	---	142	261	132	146	56	32	74
31	64	---	229	169	---	139	---	120	---	61	31	---
TOTAL	1668	1788	4286	8917	6568	6601	4908	3278	3574	2563	2097	1693
MEAN	53.8	59.6	138	288	235	213	164	106	119	82.7	67.6	56.4
MAX	141	69	292	654	454	356	261	237	216	170	194	125
MIN	36	53	59	169	160	139	130	55	67	47	31	30
CFSM	.50	.55	1.28	2.67	2.18	1.97	1.52	.98	1.10	.77	.63	.52
IN.	.57	.62	1.48	3.07	2.26	2.27	1.69	1.13	1.23	.88	.72	.58

CAL YR 1981 TOTAL 33618 MEAN 92.1 MAX 552 MIN 17 CFSM .85 IN 11.58
WTR YR 1982 TOTAL 47941 MEAN 131 MAX 654 MIN 30 CFSM 1.21 IN 16.51

02130910 BLACK CREEK NEAR HARTSVILLE, S.C.

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

DRAINAGE AREA.--173 mi² (448 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 177.48 ft (54.096 m) National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--22 years, 235 ft³/s (6.655 m³/s), 18.45 in/yr (469 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,010 ft³/s (56.9 m³/s), Aug. 18, 1971, gage height, 10.08 ft (3.072 m); minimum, 32 ft³/s (0.91 m³/s) July 2, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,360 ft³/s (38.5 m³/s) Jan. 7, gage height, 8.94 ft (2.725 m); minimum, 66 ft³/s (1.87 m³/s) Oct. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	104	118	475	292	289	208	293	171	307	192	78
2	78	104	128	533	289	319	204	294	166	179	169	78
3	72	104	132	580	379	401	191	293	160	135	177	80
4	69	104	135	896	427	419	170	282	163	107	180	87
5	69	106	134	999	425	409	170	268	185	116	262	86
6	69	108	130	977	433	399	175	226	236	114	278	86
7	72	106	128	1120	446	396	172	210	245	114	219	85
8	69	105	127	823	443	389	173	207	245	114	251	80
9	68	104	125	412	433	379	183	205	246	114	246	83
10	68	106	122	339	422	374	186	194	236	114	155	107
11	72	106	118	301	401	379	189	171	228	112	133	107
12	72	108	116	268	386	376	194	155	212	110	142	107
13	72	106	115	268	355	367	196	100	178	151	165	106
14	70	106	117	272	259	357	199	87	181	178	158	105
15	70	104	134	270	227	307	200	90	179	195	154	103
16	70	104	146	267	268	243	198	93	180	201	125	102
17	69	107	153	268	313	228	196	104	177	211	119	100
18	70	106	166	267	335	224	212	144	158	202	134	97
19	72	105	175	271	329	238	213	145	142	199	132	102
20	69	104	184	276	327	246	223	143	140	209	131	104
21	70	104	192	290	327	250	234	143	137	231	131	108
22	71	105	193	300	317	276	239	144	139	223	129	117
23	72	105	189	309	287	276	233	146	146	213	128	122
24	77	109	190	319	266	271	228	147	160	222	124	113
25	90	110	270	329	267	267	228	148	180	222	121	114
26	102	111	327	401	263	264	241	155	175	180	118	121
27	81	112	321	396	276	257	262	163	204	175	114	118
28	92	114	339	386	285	226	285	163	371	163	106	120
29	98	113	391	307	---	216	285	167	359	169	84	121
30	103	114	384	294	---	211	287	169	343	163	78	121
31	104	---	401	287	---	209	---	174	---	171	78	---
TOTAL	2376	3204	5900	13500	9477	9462	6374	5423	6042	5314	4733	3058
MEAN	76.6	107	190	435	338	305	212	175	201	171	153	102
MAX	104	114	401	1120	446	419	287	294	371	307	278	122
MIN	68	104	115	267	227	209	170	87	137	107	78	78
CFSM	.44	.62	1.10	2.51	1.95	1.76	1.23	1.01	1.16	.99	.88	.59
IN.	.51	.69	1.27	2.90	2.04	2.03	1.37	1.17	1.30	1.14	1.02	.66

CAL YR 1981 TOTAL 51551 MEAN 141 MAX 495 MIN 39 CFSM .82 IN 11.08
WTR YR 1982 TOTAL 74863 MEAN 205 MAX 1120 MIN 68 CFSM 1.19 IN 16.10

PEE DEE RIVER BASIN

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

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

DRAINAGE AREA.--8,830 mi² (22,870 km²), approximately.

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records poor. Flow regulated by six powerplants above station. Combined usable capacity of reservoirs, 30,819,624,000 ft³ (872,811,800 m³).

AVERAGE DISCHARGE.--44 years, 9,948 ft³/s (281.7 m³/s), 15.00 in/yr (381 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 220,000 ft³/s (6,230 m³/s) Sept. 22, 1945, gage height, 33.30 ft (10.150 m) (site and datum then in use) from rating curve extended above 76,000 ft³/s (2,150 m³/s) on basis of discharge measurement of 221,000 ft³/s (6,260 m³/s) at Cheraw; minimum, 700 ft³/s (19.8 m³/s) Sept. 29, 1954, gage height, 0.60 ft (0.18 m) (from graph based on gage readings).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 34,100 ft³/s (966 m³/s) Jan. 9, gage height, 22.75 ft (6.934 m); minimum daily, 900 ft³/s (25.5 m³/s) Nov. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4050	7240	2460	13100	9850	19600	7890	19100	17200	7800	8710	1200
2	4230	6710	3200	16900	9380	21700	7990	18900	15800	8340	8470	2200
3	3790	4160	3840	20100	11300	23600	8010	17800	14600	7850	6680	2890
4	3700	4010	2900	21800	13900	25300	7420	16300	14900	7210	6890	3540
5	2300	4590	3470	24000	18500	25800	6180	13500	16100	5250	6560	3280
6	2200	4690	3420	26700	21100	24800	5610	12200	18700	3230	7220	1800
7	2830	4300	2700	29300	23600	23300	7350	11700	20600	2620	8280	1200
8	3320	3300	2100	31900	25900	22200	7970	11000	21600	5510	7310	1100
9	3840	2000	3000	33800	26900	22300	6120	8560	21600	6740	4610	3300
10	2800	1900	3830	33400	26100	23000	6290	5440	20100	6920	3420	3100
11	2560	1800	3220	30600	24200	23300	5310	5970	18000	5550	4590	3080
12	3400	3600	2950	27200	22500	22500	4030	6760	18800	3580	6870	3460
13	3910	3810	2840	23800	21600	21300	4270	6220	20600	3450	8500	2900
14	3710	4190	2100	21100	20500	19800	5030	5840	21600	6910	9260	1700
15	2950	4630	2000	19000	19700	17900	6020	4730	21800	8450	9240	4510
16	4050	4180	4160	17600	18900	15200	5980	3800	22100	9360	7620	3340
17	4590	3230	6730	16700	18300	14500	6480	3200	22500	9880	5130	2810
18	3600	3290	8910	15900	19300	14500	6640	3090	22200	9380	4390	3080
19	1700	4160	8600	15200	21400	14200	6170	4920	20800	8720	5380	2930
20	2700	4050	8100	14500	23200	13500	4990	5230	20600	7140	5440	1600
21	2600	1700	5540	14100	24600	10600	7080	4930	21300	7760	5350	2100
22	1900	1500	3900	14400	25000	7710	7570	4350	21700	8350	5570	1700
23	1700	1700	6370	16700	24200	7300	8410	5180	21100	7650	3710	4780
24	1600	2000	5580	19000	22700	7340	7840	4840	19200	7420	2780	4100
25	2800	2100	5480	20600	21100	8320	5900	4380	16700	7070	3910	3010
26	2500	1700	6870	22000	19500	9240	4890	9910	14400	5840	4330	3470
27	3300	950	10000	22700	18100	8770	5850	14800	11900	4800	4690	2820
28	5920	900	11900	22200	17700	7910	9880	15300	8250	6510	4030	1900
29	7920	1500	12800	20700	---	6620	14600	16200	6830	7850	2900	4200
30	6980	2000	12900	18600	---	4700	18200	17600	7010	8690	1200	5210
31	7450	---	12600	14500	---	6550	---	18100	---	8700	1000	---
TOTAL	110900	95890	174470	658100	569030	493360	215970	299850	538590	214530	174040	86310
MEAN	3577	3196	5628	21230	20320	15910	7199	9673	17950	6920	5614	2877
MAX	7920	7240	12900	33800	26900	25800	18200	19100	22500	9880	9260	5210
MIN	1600	900	2000	13100	9380	4700	4030	3090	6830	2620	1000	1100
CFSM	.41	.36	.64	2.40	2.30	1.80	.82	1.10	2.03	.78	.64	.33
IN.	.47	.40	.74	2.77	2.40	2.08	.91	1.26	2.27	.90	.73	.36
CAL YR 1981 TOTAL	1877960			MEAN 5145	MAX 18800	MIN 900	CFSM .58	IN 7.91				
WTR YR 1982 TOTAL	3631040			MEAN 9948	MAX 33800	MIN 900	CFSM 1.13	IN 15.30				

PEE DEE RIVER BASIN

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

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM- FLOW- INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)
NOV 10...	1200	1460	108	6.8	15.5	3.9	8.1	20	48	21
JAN 19...	1130	15200	82	7.0	5.0	24	12.4	92	122	19
MAR 16...	1300	14900	72	6.6	13.0	25	8.8	K21	K50	19
MAY 25...	1330	4560	92	6.9	26.0	16	6.8	55	247	20
JUL 09...	1200	6800	74	7.0	29.0	74	6.9	55	423	22
SEP 08...	1215	1250	91	6.8	25.0	14	6.9	340	55	19

DATE	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 10...	.00	4.8	2.1	14	56	1.3	2.6	34	10	9.0
JAN 19...	1.0	4.3	1.9	7.8	44	.9	2.2	18	9.2	8.0
MAR 16...	5.0	4.4	1.9	6.4	40	.7	1.7	14	8.4	6.6
MAY 25...	.00	4.6	2.1	8.4	45	.9	1.7	24	9.0	7.9
JUL 09...	3.0	5.3	2.2	8.1	42	.8	2.0	19	8.0	5.6
SEP 08...	.00	4.6	1.9	10	50	1.1	2.2	23	10	6.6

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)
NOV 10...	.1	9.7	78	73	.11	350	.33	.020	.03
JAN 19...	<.1	9.5	68	54	.09	2790	.59	.050	.06
MAR 16...	<.1	9.8	62	48	.08	2490	.51	.010	.01
MAY 25...	.1	8.9	70	58	.10	862	.41	.040	.05
JUL 09...	.1	12	68	55	.09	1250	.75	.060	.08
SEP 08...	.2	10	60	59	.08	202	.29	<.010	.01

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DATE	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, DIS- SOLVED (MG/L AS P04)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 10...	.28	.330	1.0	.050	.040	.12	3	13	75
JAN 19...	.41	.060	.18	.030	.020	.06	15	616	94
MAR 16...	.57	.090	.28	.050	.050	.15	46	1850	96
MAY 25...	.40	.070	.21	.040	.030	.09	26	320	84
JUL 09...	.50	.130	.40	.030	.030	.09	52	955	99
SEP 08...	.60	.070	.21	.030	.020	.06	9	30	97

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
JAN 19...	1130	1	0	1	100	10	87	1	<1	20
MAR 16...	1300	1	--	<1	100	0	120	<1	<1	10
MAY 25...	1330	1	0	1	<100	--	73	<1	1	10
JUL 09...	1200	1	--	<1	<100	--	120	<1	<1	20

DATE	TIME	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)
JAN 19...	10	10	10	2	1	1	60	36	24	900	600
MAR 16...	--	<10	<10	<1	--	<1	5	2	3	980	570
MAY 25...	--	<10	<10	3	1	2	6	0	6	1000	800
JUL 09...	10	10	10	<1	--	3	10	6	4	4800	4700

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)
JAN 19...	300	4	1	3	40	20	19	<.1	<.1	<.1	5
MAR 16...	410	2	--	<1	60	10	46	.1	<.1	<.1	5
MAY 25...	200	3	0	4	80	70	12	<.1	<.1	<.1	7
JUL 09...	140	<1	--	6	110	100	7	.1	<.1	<.1	2

PEE DEE RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DATE	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
JAN 19...	0	18	<1	<1	<1	<1	50	0	160
MAR 16...	3	2	<1	<1	<1	<1	40	0	40
MAY 25...	2	5	<1	<1	<1	<1	70	30	37
JUL 09...	0	3	<1	<1	<1	<1	30	0	39

DATE	TIME	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRACTION (UG/L)
MAY 25...	1330	.8	<1.2	1.2	2.8	<.8	2.7	<.8	.07	.06
SEP 08...	1215	--	<1.3	<.8	2.9	<.8	2.8	<.8	.12	.04

02131150 CATFISH CANAL AT SELLERS, S.C.

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

DRAINAGE AREA.--27.4 mi² (71.0 km²).

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

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

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

REMARKS.--Records good, except those for periods of no gage-height record Feb. 17 to Mar. 31, which are poor.

AVERAGE DISCHARGE.--15 years (water years 1968-82), 27.0 ft³/s (0.765 m³/s), 13.38 in/yr (340 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 890 ft³/s (25.2 m³/s), Mar. 4, 1971, gage height, 9.15 ft (2.789 m); no flow September 27-30, 1978, Oct. 5 to Nov. 7, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharge above a base of 150 ft³/s (4.25 m³/s) and maximum (*).

Date	Time	Discharge		Gage height		Date	Time	Discharge		Gage height	
		(ft ³ /s)	(m ³ /s)	(ft)	(m)			(ft ³ /s)	(m ³ /s)	(ft)	(m)
Jan. 1	0700	159	4.50	3.91	1.192	Feb. 16	--	230	6.51	5.20	1.585
Jan. 4	1900	189	5.35	4.41	1.344	*June 5	0600	*269	7.62	*5.96	1.817

Minimum daily, 1.4 ft³/s (0.040 m³/s) Sept. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	10	7.1	150	32	180	18	55	23	18	82	2.2
2	2.1	9.8	13	114	30	100	17	50	18	13	90	2.1
3	2.0	10	16	115	111	60	15	30	17	11	56	2.0
4	2.0	8.1	13	176	119	46	15	24	114	9.1	35	2.2
5	1.9	8.3	12	156	86	40	15	18	252	8.3	25	2.1
6	1.9	12	10	114	66	38	17	16	175	10	22	1.8
7	1.8	8.6	9.6	77	53	36	18	14	105	8.3	19	1.7
8	1.8	7.5	9.1	62	44	70	20	12	65	7.1	15	1.6
9	1.6	7.3	8.1	51	42	110	40	11	46	6.3	14	1.5
10	1.6	7.1	7.7	43	81	56	70	9.8	43	7.1	13	1.5
11	1.9	7.1	7.3	36	73	44	50	7.9	122	6.3	10	1.7
12	1.8	6.7	8.1	31	57	38	28	6.9	81	5.3	9.1	1.8
13	1.7	6.3	6.9	30	99	34	21	5.9	56	4.7	9.1	1.7
14	1.7	6.1	6.9	44	93	32	18	5.6	56	6.3	9.1	1.6
15	1.7	6.1	13	59	77	30	17	5.3	41	9.1	7.5	1.5
16	2.0	5.9	23	52	210	50	16	5.3	32	11	6.3	1.6
17	2.1	6.1	20	45	110	60	15	14	26	16	5.6	1.5
18	1.8	5.9	20	37	70	44	22	28	27	31	5.4	1.4
19	1.7	5.7	20	36	50	36	50	16	37	48	5.4	1.5
20	1.7	5.9	18	42	42	32	80	11	28	99	4.8	1.7
21	1.7	6.9	17	62	36	28	70	9.3	24	43	4.4	1.9
22	1.8	6.7	15	83	32	27	50	7.9	23	26	4.4	2.0
23	1.9	6.5	15	81	28	40	36	7.1	24	19	3.9	1.8
24	2.0	7.7	14	138	26	26	25	7.7	20	20	3.6	1.6
25	2.8	8.6	63	102	24	22	21	11	16	46	3.4	1.5
26	3.7	7.5	112	67	23	21	20	31	13	28	3.1	5.7
27	18	7.1	79	51	22	20	60	78	12	19	3.1	5.7
28	31	9.1	62	43	50	20	130	50	18	14	2.8	4.5
29	18	6.3	70	37	---	19	100	62	37	11	2.7	4.1
30	14	6.1	66	34	---	19	75	46	25	31	2.6	3.2
31	12	---	73	31	---	18	---	31	---	48	2.3	---
TOTAL	144.1	223.0	834.8	2199	1786	1396	1149	686.7	1576	639.9	479.6	66.7
MEAN	4.65	7.43	26.9	70.9	63.8	45.0	38.3	22.2	52.5	20.6	15.5	2.22
MAX	31	12	112	176	210	180	130	78	252	99	90	5.7
MIN	1.6	5.7	6.9	30	22	18	15	5.3	12	4.7	2.3	1.4
CFSM	.17	.27	.98	2.59	2.33	1.64	1.40	.81	1.92	.75	.57	.08
IN.	.20	.30	1.13	2.99	2.42	1.90	1.56	.93	2.14	.87	.65	.09

CAL YR 1981 TOTAL 5932.5 MEAN 16.3 MAX 300 MIN 1.4 CFSM .60 IN 8.05
WTR YR 1982 TOTAL 11180.8 MEAN 30.6 MAX 252 MIN 1.4 CFSM 1.12 IN 15.18

02131309 FORK CREEK AT JEFFERSON, S.C.

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

DRAINAGE AREA.--24.3 mi² (62.9 km²).

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--6 years, 25.7 ft³/s (0.728 m³/s), 14.36 in/yr (365 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,560 ft³/s (44.2 m³/s), Feb. 24, 1979, gage height, 7.89 ft (2.405 m); minimum daily, 0.10 ft³/s (0.003 m³/s) July 1, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft³/s (8.50 m³/s) and maximum (*):

Date	Time	Discharge		Gage height		Date	Time	Discharge		Gage height	
		(ft ³ /s)	(m ³ /s)	(ft)	(m)			(ft ³ /s)	(m ³ /s)	(ft)	(m)
Jan. 1	0615	*539	15.3	*5.96	1.817	Feb. 3	2230	422	11.95	5.51	1.679
Jan. 4	1915	511	14.5	5.86	1.786						

Minimum daily, 0.67 ft³/s (0.019 m³/s), Sept. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	6.4	13	314	58	86	27	29	12	8.3	30	1.6
2	1.4	6.6	16	65	47	69	27	27	10	6.8	12	1.5
3	1.1	6.6	13	196	236	57	27	25	9.6	5.7	10	7.6
4	1.1	6.4	10	418	201	51	24	23	43	4.6	6.8	3.9
5	1.2	6.4	8.6	164	76	49	26	21	120	5.7	11	2.1
6	1.2	6.4	8.0	75	65	48	29	19	34	6.6	12	1.4
7	1.2	6.8	7.8	63	56	82	24	17	22	6.0	7.4	1.2
8	.91	6.4	7.8	57	51	76	27	18	17	4.9	6.4	1.0
9	.91	6.2	7.8	53	52	55	48	18	15	3.9	5.1	.91
10	1.1	6.4	8.6	48	62	49	32	16	19	3.2	4.4	.91
11	1.4	7.0	7.4	44	51	48	28	14	43	3.0	3.7	1.0
12	1.8	7.2	7.4	43	48	44	25	14	24	8.3	3.9	1.2
13	1.8	6.8	7.8	45	62	43	23	13	18	7.8	3.7	1.6
14	1.8	6.6	9.3	50	52	41	22	12	17	6.2	3.9	1.3
15	1.6	6.6	82	49	47	58	32	11	14	7.4	3.5	1.3
16	1.8	6.4	60	53	50	53	27	10	17	8.6	2.7	1.2
17	1.9	7.0	32	62	100	47	30	21	21	8.6	2.1	.91
18	2.0	7.6	26	50	70	42	39	14	18	7.4	8.6	.67
19	2.5	7.6	23	54	59	40	28	13	15	6.0	17	8.6
20	3.0	7.2	20	55	53	40	35	30	12	5.7	7.6	7.8
21	3.3	7.0	19	79	49	38	38	23	9.6	5.1	5.1	12
22	3.7	6.6	21	68	45	38	31	16	14	3.7	4.1	7.8
23	3.9	6.6	21	81	42	35	25	15	19	3.7	4.6	5.7
24	4.1	8.3	20	92	41	34	23	19	12	13	3.7	3.5
25	11	12	109	59	40	35	24	24	12	7.8	2.8	2.7
26	16	10	74	51	39	33	70	21	9.0	6.0	2.3	3.2
27	16	8.6	44	45	101	29	79	27	7.8	3.9	1.8	6.6
28	12	8.3	35	43	121	28	61	23	10	2.8	1.5	5.4
29	8.6	8.0	54	41	---	28	41	21	12	3.0	1.4	3.5
30	7.2	7.8	39	41	---	28	34	16	9.3	5.1	1.3	4.9
31	6.8	---	167	44	---	28	---	13	---	6.0	1.5	---
TOTAL	124.12	217.8	978.5	2602	1974	1432	1006	583	615.3	184.8	191.9	103.00
MEAN	4.00	7.26	31.6	83.9	70.5	46.2	33.5	18.8	20.5	5.96	6.19	3.43
MAX	16	12	167	418	236	86	79	30	120	13	30	12
MIN	.91	6.2	7.4	41	39	28	22	10	7.8	2.8	1.3	.67
CFSM	.17	.30	1.30	3.45	2.90	1.90	1.38	.77	.84	.25	.26	.14
IN.	.19	.33	1.50	3.98	3.02	2.19	1.54	.89	.94	.28	.29	.11

CAL YR 1981	TOTAL	4404.54	MEAN 12.1	MAX 204	MIN .10	CFSM .50	IN 6.74
WTR YR 1982	TOTAL	10012.42	MEAN 27.4	MAX 418	MIN .67	CFSM 1.13	IN 15.33

PEE DEE RIVER BASIN

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02131472 HANGING ROCK CREEK NEAR KERSHAW, S.C.

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

DRAINAGE AREA.--10.4 mi² (26.9 km²).

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

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

REMARKS.--Records good, except those for period of no gage-height record Dec. 16 to Jan. 25, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 500 ft³/s (14.2 m³/s) June 4, 1982, gage height 7.21 ft (2.198 m); minimum daily, 0.90 ft³/s (0.03 m³/s) Oct. 22.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 500 ft³/s (14.2 m³/s) June 4, gage height 7.21 ft (2.198 m); minimum daily, 0.90 ft³/s (0.03 m³/s) Oct. 22.

REVISIONS.--The maximum discharge for the Water Year 1981 has been revised to 429 ft³/s (12.2 m³/s) Feb. 11, 1981, gage height, 6.70 ft (2.042 m), superseding figure published in the report for 1981.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.1	8.4	140	34	81	21	34	19	11	25	4.9
2	1.7	1.9	7.9	30	29	67	20	30	16	9.2	13	11
3	1.5	1.9	5.4	200	116	50	22	30	16	8.2	11	33
4	1.5	1.8	4.0	360	280	40	20	25	115	7.7	9.0	20
5	1.6	1.9	3.3	300	88	37	23	23	200	11	28	9.7
6	1.5	2.4	2.8	90	64	34	27	21	42	9.5	16	7.7
7	1.5	2.0	2.9	26	47	47	21	20	29	9.2	11	6.7
8	1.6	1.9	3.4	20	40	50	26	20	24	9.2	9.5	6.1
9	1.5	2.1	3.2	19	36	36	46	19	22	7.2	9.0	5.7
10	1.6	3.3	2.9	18	48	33	30	19	22	6.7	9.0	5.9
11	1.7	2.8	2.9	23	41	30	25	16	23	7.2	9.5	9.0
12	1.8	2.2	3.2	28	35	29	23	16	20	10	9.0	7.0
13	1.7	2.0	3.4	20	47	28	23	14	20	9.2	8.4	6.5
14	1.3	2.0	9.0	19	45	26	25	14	20	11	8.2	6.5
15	1.4	2.0	125	20	37	33	24	14	19	13	7.7	6.3
16	1.5	2.0	65	22	36	37	22	14	20	16	7.0	5.7
17	1.3	3.4	34	24	76	32	24	13	20	16	6.5	5.2
18	1.4	2.8	20	30	80	29	33	13	19	10	7.4	5.1
19	1.4	2.6	16	50	50	28	24	12	19	9.5	8.2	7.7
20	1.2	2.8	17	100	46	27	37	12	17	7.7	7.4	7.4
21	2.2	3.0	22	140	40	28	37	17	13	7.2	6.5	6.5
22	.90	3.2	18	100	35	30	28	12	14	6.7	6.3	7.2
23	3.5	3.2	14	110	31	26	24	12	18	6.7	11	6.3
24	2.0	5.2	20	100	29	25	22	83	13	8.7	7.7	5.6
25	8.4	5.4	120	80	27	26	24	43	13	7.7	6.5	5.2
26	15	5.1	75	46	27	24	178	81	11	6.7	5.9	6.7
27	4.5	3.5	44	33	63	22	126	57	12	6.3	5.7	7.0
28	2.5	3.2	28	29	105	21	100	36	25	5.6	5.4	6.3
29	2.0	3.0	26	27	---	21	58	33	17	5.4	4.9	5.7
30	1.9	4.6	80	25	---	22	42	23	13	6.3	4.9	5.4
31	3.0	---	380	24	---	21	---	20	---	42	4.9	---
TOTAL	76.60	85.3	1166.7	2253	1632	1040	1155	796	851	307.8	289.5	239.0
MEAN	2.47	2.84	37.6	72.7	58.3	33.5	38.5	25.7	28.4	9.93	9.34	7.97
MAX	15	5.4	380	360	280	81	178	83	200	42	28	33
MIN	.90	1.8	2.8	18	27	21	20	12	11	5.4	4.9	4.9

CAL YR 1981 TOTAL 4155.27 MEAN 11.4 MAX 623 MIN .31
WTR YR 1982 TOTAL 9891.90 MEAN 27.1 MAX 380 MIN .90

PEE DEE RIVER BASIN

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

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

DRAINAGE AREA.--1,030 mi² (2,670 km²) approximately.

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--53 years, 1,026 ft³/s (29.06 m³/s), 13.53 in/yr (344 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,000 ft³/s (708 m³/s) Sept. 22, 1945, gage height, 21.21 ft (6.465 m), from rating curve extended above 17,000 ft³/s (481 m³/s); minimum, 94 ft³/s (2.66 m³/s) Oct. 10, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,850 ft³/s (194 m³/s) Jan. 10, gage height, 15.28 ft (4.657 m); minimum, 155 ft³/s (4.39 m³/s) Oct. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	530	366	2040	2490	2430	948	1570	834	558	1140	252
2	179	524	401	2440	2340	2240	892	1460	858	654	1110	247
3	172	453	436	2930	2240	2110	848	1450	860	738	978	241
4	169	377	435	3420	2130	2000	815	1720	961	781	961	240
5	167	336	453	3400	1990	1930	792	2360	1430	691	1010	252
6	162	314	488	3250	1880	1990	790	2370	1420	503	1140	280
7	159	300	518	4130	1790	2530	776	2000	1180	407	1270	289
8	157	292	507	5370	1770	3020	769	1580	914	366	1290	325
9	156	287	459	5740	1800	2970	858	1190	806	353	1180	340
10	159	284	417	6680	2200	2670	889	904	818	337	1000	319
11	158	283	390	6020	2980	2360	909	742	909	319	897	289
12	156	282	376	4670	3080	2090	938	654	968	325	804	287
13	156	274	354	3620	2970	1900	938	603	933	327	706	262
14	157	277	342	3010	2780	1810	958	566	704	547	722	241
15	162	283	357	2670	2540	1840	1010	526	556	776	795	236
16	168	287	425	2410	2690	1880	1050	488	592	717	851	244
17	172	284	454	2210	3290	1810	1030	476	551	946	756	245
18	172	282	503	2000	3420	1660	1100	466	498	1260	636	241
19	169	279	596	1820	3370	1510	1060	446	528	1280	556	236
20	166	282	686	1720	3310	1410	1070	431	545	1220	499	234
21	166	286	778	1680	3050	1370	1270	479	615	1160	446	243
22	167	297	875	1660	2660	1420	1330	603	695	1050	409	263
23	168	302	973	1680	2390	1490	1330	568	700	894	435	337
24	171	300	1080	1900	2600	1490	1370	496	592	1190	456	435
25	172	300	1290	2130	2870	1410	1320	485	492	1530	402	485
26	187	297	1510	2310	2740	1290	1510	554	461	1330	356	564
27	259	299	1420	2370	2580	1190	1840	596	488	1220	336	578
28	446	314	1210	2330	2570	1120	2290	724	516	1270	325	488
29	479	339	1220	2370	---	1070	2150	776	533	1180	306	423
30	466	357	1310	2460	---	1020	1820	799	513	1270	305	410
31	496	---	1450	2530	---	986	---	813	---	1170	267	---
TOTAL	6473	9601	22079	92970	72520	56016	34670	28895	22470	26369	22344	9526
MEAN	209	320	712	2999	2590	1807	1156	932	749	851	721	318
MAX	496	530	1510	6680	3420	3020	2290	2370	1430	1530	1290	578
MIN	156	274	342	1660	1770	986	769	431	461	319	267	234
CFSM	.20	.31	.69	2.91	2.52	1.75	1.12	.91	.73	.83	.70	.31
IN.	.23	.35	.80	3.36	2.62	2.02	1.25	1.04	.81	.95	.81	.34
CAL YR 1981 TOTAL	185389			508	MAX 2400	MIN 150	CFSM .49	IN 6.70				
WTR YR 1982 TOTAL	403933			1107	MAX 6680	MIN 156	CFSM 1.08	IN 14.59				

PEE DEE RIVER BASIN

39

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

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)
NOV 03...	1005	456	88	6.5	16.0	3.5	8.1	K33	138	13
JAN 05...	1015	3420	61	6.0	9.0	8.5	9.8	115	880	15
MAR 02...	1020	2750	60	6.5	8.0	4.5	12.0	65	>1000	15
MAY 12...	1000	656	72	6.4	20.5	4.3	7.4	K30	>1000	13
JUL 07...	0930	408	61	6.7	17.5	5.5	7.6	K37	820	12
SEP 01...	1020	252	90	7.1	18.0	3.5	9.0	72	>1000	11

DATE	HARD- NESS NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 03...	1.0	2.8	1.4	10	59	1.3	1.8	12	11	11
JAN 05...	14	3.5	1.4	5.7	43	.7	1.6	1.0	10	7.4
MAR 02...	9.0	3.6	1.5	5.9	43	.7	1.3	6.0	7.0	7.9
MAY 12...	.00	2.8	1.4	7.5	54	1.0	1.1	13	6.0	7.4
JUL 07...	.00	2.8	1.3	7.1	54	1.0	.8	13	5.0	6.8
SEP 01...	.00	2.5	1.1	13	70	1.9	1.1	21	6.0	9.9

PEE DEE RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	
NOV										
03...	.1	9.0	66	54	.09	81.3	.06	.030	.04	
JAN										
05...	<.1	7.2	64	38	.09	591	.32	.030	.04	
MAR										
02...	<.1	4.5	54	36	.07	328	.34	.060	.08	
MAY										
12...	<.1	6.5	28	41	.04	49.6	.27	.070	.09	
JUL										
07...	.1	7.9	58	41	.08	63.9	.29	.040	.05	
SEP										
01...	.1	8.3	70	55	.10	47.6	.28	.040	.05	
	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	
NOV										
03...	<.10	.040	.12	.030	.010	.03	6	7.4	56	
JAN										
05...	.57	.040	.12	.020	<.010	--	4	37	64	
MAR										
02...	.45	.030	.09	.010	.010	.03	2	13	57	
MAY										
12...	.58	.090	.28	.050	.040	.12	3	5.3	100	
JUL										
07...	1.10	.060	.18	.040	.030	.09	2	2.2	94	
SEP										
01...	.60	.060	.18	.050	.040	.12	5	3.5	62	
	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS RA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	
JAN										
05...	1015	1	1	0	100	40	56	<1	<1	20
MAR										
02...	1020	1	0	1	<100	--	100	1	<1	30
MAY										
12...	1000	2	1	1	<100	--	58	1	<1	10
JUL										
07...	0930	1	--	<1	<100	--	67	1	<1	10

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
JAN 05...	10	10	1	<1	6	2	4	450	200	250
MAR 02...	--	<10	<1	<1	5	4	1	430	170	260
MAY 12...	--	<10	1	<1	4	3	1	1200	360	840
JUL 07...	--	<10	<1	<1	6	0	14	1400	460	940
DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)
JAN 05...	<1	--	<1	40	0	41	.1	.0	.1	3
MAR 02...	8	--	<1	20	10	10	.4	.3	.1	3
MAY 12...	4	2	2	60	20	42	.1	--	<.1	3
JUL 07...	<1	--	<1	90	40	48	.1	--	<.1	2
DATE	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	
JAN 05...	--	<1	<1	<1	<1	<1	20	0	33	
MAR 02...	--	<1	<1	<1	<1	<1	20	0	27	
MAY 12...	1	2	<1	<1	<1	<1	20	0	28	
JUL 07...	1	1	<1	<1	<1	<1	30	0	65	

PEE DEE RIVER BASIN

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

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

DRAINAGE AREA.--2,790 mi² (7,230 km²), approximately.

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 3,148 ft³/s (89.15 m³/s), 15.55 in/yr (395 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,600 ft³/s (782 m³/s) Oct. 9, 10, 1964, gage height, 13.01 ft (3.965 m); minimum, 155 ft³/s (4.39 m³/s) Oct. 12, 13, 1954.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,400 ft³/s (323 m³/s) Feb. 20, gage height, 10.87 ft (3.313 m); minimum, 328 ft³/s (9.29 m³/s) Oct. 24, gage height, 3.29 ft (1.003 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	458	482	621	3350	6510	6360	3510	5460	3480	2830	4200	743
2	443	513	675	3730	6200	6240	3360	5420	3340	2580	3910	670
3	428	578	722	4370	6040	6080	3230	5310	3270	2340	3550	623
4	414	670	761	5360	5850	5990	3080	5100	3380	2110	3290	620
5	404	796	791	6470	5790	6030	2940	4870	3570	1900	3210	596
6	398	937	819	8040	5800	6230	2820	4600	4030	1910	3320	566
7	390	1040	836	9400	5890	6450	2680	4310	4720	1820	3380	545
8	382	1100	843	9710	6050	6560	2540	4000	5200	1690	3370	533
9	374	1120	846	10000	6160	6650	2520	3690	5320	1520	3270	536
10	368	1140	846	10000	6180	6670	2430	3390	5140	1400	3110	536
11	368	1150	845	9580	6080	6550	2350	3100	4900	1420	2870	536
12	362	1130	838	8910	6000	6420	2300	2830	4580	1450	2610	542
13	356	1090	823	8220	6130	6330	2240	2590	4490	1500	2400	536
14	351	1020	804	7790	6230	6220	2190	2360	4430	1670	2230	522
15	346	917	837	7470	6560	6090	2160	2170	4480	1890	2060	508
16	344	800	882	7180	7120	5940	2130	2000	4650	2270	1970	494
17	340	728	911	6920	7940	5740	2110	1860	4560	2630	1950	484
18	340	679	978	6620	8990	5540	2160	1690	4350	2770	1900	470
19	336	642	1050	6310	10500	5380	2130	1530	4440	2800	1830	462
20	332	616	1140	6050	11300	5230	2190	1320	4350	2850	1750	466
21	330	592	1240	5840	11100	5100	2410	1120	4550	3070	1640	494
22	330	572	1340	5660	10600	5040	2500	1060	4800	3420	1530	484
23	330	558	1410	5600	9870	4930	2730	1080	4960	3840	1440	480
24	328	559	1490	5710	8960	4790	2950	1190	4980	4200	1400	476
25	336	563	1670	5950	8060	4640	3080	1320	4890	4350	1400	472
26	338	567	1830	6550	7370	4450	3390	1480	4600	4430	1390	566
27	366	578	2010	6970	6940	4270	3840	1760	4290	4620	1330	691
28	394	592	2230	7130	6580	4110	4520	2260	3950	4780	1220	782
29	422	598	2480	7150	---	3970	5040	3180	3500	4660	1100	837
30	445	602	2640	7040	---	3830	5370	3730	3100	4620	966	898
31	460	---	2910	6810	---	3670	---	3710	---	4430	832	---
TOTAL	11613	22929	38118	215890	206800	171500	86900	89490	130300	87770	70428	17168
MEAN	375	764	1230	6964	7386	5532	2897	2887	4343	2831	2272	572
MAX	460	1150	2910	10000	11300	6670	5370	5460	5320	4780	4200	898
MIN	328	482	621	3350	5790	3670	2110	1060	3100	1400	832	462
CFSM	.13	.27	.44	2.50	2.65	1.98	1.04	1.04	1.56	1.02	.81	.21
IN.	.15	.31	.51	2.88	2.76	2.29	1.16	1.19	1.74	1.17	.94	.23

CAL YR 1981 TOTAL 515550 MEAN 1412 MAX 11300 MIN 328 CFSM .51 IN 6.87
WTR YR 1982 TOTAL 1148906 MEAN 3148 MAX 11300 MIN 328 CFSM 1.13 IN 15.32

PEE DEE RIVER BASIN

43

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

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

DRAINAGE AREA.--96.0 mi² (249 km²).

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--14 years (water years 1969-82), 105 ft³/s (2.974 m³/s), 14.85 in/yr (377 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,700 ft³/s (48.1 m³/s), Sept. 7, 1979, gage height, 8.54 ft (2.603 m); minimum daily, 6.7 ft³/s (0.19 m³/s) July 21, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 494 ft³/s (14.0 m³/s) Jan. 4, gage height 6.61 ft (2.015 m), no other peak above base of 500 ft³/s (14.2 m³/s); minimum daily 9.8 ft³/s (0.28 m³/s) Oct. 3, 7-9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	28	54	284	114	185	69	161	30	180	152	14
2	9.9	26	84	316	113	197	67	132	24	130	242	14
3	9.8	24	103	380	122	199	66	106	20	90	256	14
4	10	23	109	481	141	182	66	81	24	32	242	20
5	10	23	101	483	172	163	66	65	56	22	189	20
6	9.9	24	74	473	199	147	80	53	73	19	164	18
7	9.8	24	53	389	206	140	80	45	58	17	116	15
8	9.8	23	45	294	185	147	81	39	40	16	72	14
9	9.8	23	40	227	166	161	113	36	28	15	54	14
10	10	23	36	178	167	187	124	32	21	17	53	13
11	12	24	34	132	155	184	121	27	21	33	95	14
12	12	24	32	129	140	167	117	24	21	42	131	17
13	12	23	32	125	143	150	109	21	24	46	113	17
14	12	23	36	120	150	134	97	20	28	48	91	17
15	12	23	76	120	148	121	108	18	25	122	68	17
16	12	23	131	115	173	125	121	19	24	158	51	16
17	12	25	134	115	208	129	124	19	24	155	39	16
18	12	26	136	120	215	126	131	20	24	169	33	22
19	12	26	128	125	206	128	121	19	27	175	33	34
20	12	26	116	128	201	128	120	18	26	143	30	64
21	12	26	102	132	187	122	132	18	23	110	26	67
22	13	25	85	137	169	114	125	18	22	88	24	76
23	13	25	67	144	150	104	124	17	39	61	24	72
24	14	31	61	164	135	97	116	17	36	136	20	60
25	17	44	102	182	123	94	102	29	30	169	19	43
26	32	45	149	180	113	90	123	56	24	145	18	51
27	45	42	175	169	130	85	141	54	21	128	18	82
28	46	41	191	157	163	79	151	65	67	106	18	80
29	43	39	200	140	---	74	178	61	110	74	16	67
30	38	37	190	128	---	71	187	59	215	102	15	51
31	32	---	206	116	---	69	---	42	---	116	14	---
TOTAL	524.0	839	3082	6383	4494	4099	3360	1391	1205	2864	2436	1039
MEAN	16.9	28.0	99.4	206	161	132	112	44.9	40.2	92.4	78.6	34.6
MAX	46	45	206	483	215	199	187	161	215	180	256	82
MIN	9.8	23	32	115	113	69	66	17	20	15	14	13
CFSM	.18	.29	1.04	2.15	1.64	1.38	1.17	.47	.42	.96	.82	.36
IN.	.20	.33	1.19	2.47	1.74	1.59	1.30	.54	.47	1.11	.94	.40
CAL YR 1981	TOTAL	19011.7	MEAN	52.1	MAX	271	MIN	7.7	CFSM	.54	IN	7.37
WTR YR 1982	TOTAL	31716.0	MEAN	86.9	MAX	483	MIN	9.8	CFSM	.91	IN	12.29

PEE DEE RIVER BASIN

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

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS NONCAR- BONATE (MG/L AS CAC03)
OCT										
20...	0900	12	25	5.6	12.0	9.6	197	640	4	1.0
NOV										
10...	0915	23	29	5.5	13.5	8.7	120	420	4	.00
DEC										
11...	1030	34	32	5.4	6.0	10.1	118	530	5	3.0
JAN										
19...	0950	130	38	4.8	4.0	11.2	277	133	6	4.0
FEB										
12...	1130	139	36	4.9	8.0	8.8	105	153	6	4.0
MAR										
16...	1000	121	32	4.9	12.0	8.4	180	233	5	3.0
APR										
21...	1155	130	29	5.0	17.5	7.0	205	229	4	2.0
MAY										
25...	1000	24	26	5.5	20.5	7.5	420	>1000	4	.00
JUN										
02...	1200	24	29	5.8	22.5	7.1	142	760	4	.00
JUL										
09...	0900	16	24	5.5	22.0	7.5	247	770	4	1.0
AUG										
10...	1345	52	28	5.2	24.5	6.7	267	463	4	2.0
SEP										
08...	1015	16	26	5.8	19.0	6.8	88	123	4	.00

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT										
20...	.7	.5	2.0	52	.5	.1	1.2	3.6	<.1	7.4
NOV										
10...	.7	.6	3.2	59	.8	.5	2.7	4.6	<.1	10
DEC										
11...	.8	.6	3.3	59	.8	.4	4.3	4.6	<.1	10
JAN										
19...	1.1	.9	3.5	52	.7	.6	7.6	5.2	<.1	7.4
FEB										
12...	1.0	.8	2.9	50	.6	.4	6.0	4.4	<.1	5.5
MAR										
16...	.9	.7	3.4	56	.7	.5	4.4	4.7	<.1	1.0
APR										
21...	.9	.5	4.0	65	.9	.4	4.0	5.0	<.1	4.3
MAY										
25...	.7	.6	2.9	59	.7	.3	4.0	4.0	<.1	6.2
JUN										
02...	.7	.5	2.7	58	.7	.3	<1.0	3.9	<.1	7.4
JUL										
09...	.7	.5	3.5	--	.9	<.1	2.0	4.0	<.1	8.8
AUG										
10...	.8	.5	2.8	55	.7	.5	3.0	4.6	<.1	9.9
SEP										
08...	.8	.5	3.3	64	.8	.2	3.0	4.4	.2	8.4

PEE DEE RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 20...	32	17	.04	1.0	.50	.240	1	.03	100
NOV 10...	36	25	.05	2.2	.34	.060	2	.12	47
DEC 11...	36	25	.05	3.3	.26	<.010	2	.18	60
JAN 19...	45	27	.06	15.8	.09	.020	1	.35	75
FEB 12...	32	22	.04	12.0	.06	.060	1	.38	88
MAR 16...	34	17	.05	11.1	.06	.040	4	1.4	87
APR 21...	44	20	.06	15.4	<.10	.020	2	.70	60
MAY 25...	40	23	.05	2.6	.50	<.010	1	.06	100
JUN 02...	37	--	.05	2.4	.30	.020	<1	--	84
JUL 09...	32	21	.04	1.3	.44	.020	1	.05	73
AUG 10...	27	23	.04	3.8	.15	.030	6	.84	96
SEP 08...	31	23	.04	1.3	.50	.020	1	.06	81

DATE	TIME	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
NOV 10...	0915	<.10	<1	<.10	<.01	<.1	<.10	<1.0	<.01	<.1	<.01

DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)
NOV 10...	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 10...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01	<.01	<.01	<.1

DATE	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	SILVFX, TOTAL (UG/L)
NOV 10...	<.01	<.01	<.10	<0	<1.0	<.01	<.01	<.01	<.01	<.01

PEE DEE RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

		ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)		
DATE	TIME								
NOV 10...	0915	1	100	<1	10	3	760		
MAY 25...	1000	2	<100	<1	10	4	1500		
		LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELF- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	
DATE	TIME								
NOV 10...	1	30	.1	<1	<1	40	.00		
MAY 25...	12	30	.2	<1	<1	60	<.01		
		GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
DATE	TIME								
NOV 10...	0915	<.9	<.6	1.0	<.7	1.0	<.7	.18	.03

PEE DEE RIVER BASIN

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02135500 BLACK RIVER NEAR GABLE, S.C.

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

DRAINAGE AREA.--401 mi² (1,039 km²).

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

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

REMARKS.--Records fair.

AVERAGE DISCHARGE.--24 years, 337 ft³/s (9.544 m³/s), 12.90 in/yr (328 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft³/s (354 m³/s) Mar. 5, 1971, gage height, 6.82 ft (2.079 m); maximum gage height 6.92 ft (2.109 m) June 13, 1973; no flow for several days in 1954, 1956, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,200 ft³/s (62.3 m³/s) Feb. 19, gage height, 4.60 ft (1.402 m); minimum daily, 1.5 ft³/s (0.042 m³/s) Oct. 7, 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	13	66	583	513	849	245	726	209	139	286	34
2	2.2	15	101	786	488	891	241	602	172	129	348	30
3	1.9	15	106	912	504	860	236	496	132	109	441	25
4	1.7	16	104	977	530	796	227	434	135	81	504	25
5	1.7	17	101	1160	547	726	218	390	227	72	611	26
6	1.6	17	96	1320	583	707	218	342	630	72	640	23
7	1.5	17	93	1310	592	716	214	310	966	109	521	20
8	1.5	17	88	1240	592	688	222	286	583	106	464	17
9	1.6	18	86	1110	565	660	265	255	329	74	449	15
10	2.0	19	83	977	556	602	286	231	218	58	376	14
11	2.7	19	83	828	538	556	281	214	172	59	322	22
12	2.9	19	83	716	538	513	286	189	149	59	292	44
13	3.1	19	83	565	640	480	275	160	129	64	227	31
14	3.1	19	86	565	697	457	270	142	109	81	231	25
15	3.1	20	115	602	755	427	286	129	101	205	322	23
16	3.3	22	149	621	891	427	316	115	118	860	316	20
17	3.5	23	156	650	1310	419	405	123	115	1690	260	17
18	3.5	23	164	621	1920	405	621	181	376	1240	227	20
19	4.0	23	172	574	2150	398	602	176	565	1070	209	59
20	4.2	23	164	547	1850	390	716	160	322	849	270	90
21	4.5	25	149	538	1480	383	870	145	222	736	292	129
22	4.8	27	145	513	1170	390	1020	121	193	860	209	139
23	4.8	29	142	513	955	369	922	104	322	592	142	126
24	5.1	35	142	602	806	348	697	98	348	383	129	98
25	7.8	41	214	745	697	335	565	172	275	322	93	76
26	11	40	270	912	621	322	660	245	193	480	98	109
27	15	40	270	838	660	304	707	304	142	464	81	152
28	14	43	270	736	726	286	828	412	132	538	64	142
29	13	44	310	650	---	270	1030	383	123	504	54	126
30	13	51	310	592	---	260	922	329	126	521	45	109
31	13	---	369	538	---	250	---	260	---	369	40	---
TOTAL	157.4	749	4770	23841	23874	15484	14651	8234	7833	12895	8563	1786
MEAN	5.08	25.0	154	769	853	499	488	266	261	416	276	59.5
MAX	15	51	369	1320	2150	891	1030	726	966	1690	640	152
MIN	1.5	13	66	513	488	250	214	98	101	58	40	14
CFSM	.01	.06	.38	1.92	2.13	1.24	1.22	.66	.65	1.04	.69	.15
IN.	.01	.07	.44	2.21	2.21	1.44	1.36	.76	.73	1.20	.79	.17

CAL YR 1981 TOTAL 51803.2 MEAN 142 MAX 2130 MIN 1.5 CFSM .35 IN 4.81
WTR YR 1982 TOTAL 122837.4 MEAN 337 MAX 2150 MIN 1.5 CFSM .84 IN 11.40

PEE DEE RIVER BASIN

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

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

DRAINAGE AREA.--1,252 mi² (3,243 km²).

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1032: 1928(m), drainage area. WSP 1333: 1930(m), 1931, 1936.

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--53 years, 929 ft³/s (26.31 m³/s), 10.08 in/yr (256 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 58,000 ft³/s (1,640 m³/s) June 14, 1973, gage height, 19.77 ft (6.026 m); minimum, 2.0 ft³/s (0.06 m³/s) Sept. 12-15, Oct. 7, 8, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,250 ft³/s (120 m³/s) Jan. 7, gage height, 11.30 ft (3.444 m); minimum, 9.8 ft³/s (0.28 m³/s) Oct. 24, gage height, 1.21 ft (0.369 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	122	70	971	1710	2360	806	3040	714	584	1470	111
2	17	119	91	1210	1690	2250	753	2790	775	518	1520	102
3	16	131	111	1480	1670	2210	703	2450	806	450	1500	94
4	15	135	137	2030	1650	2220	652	2180	781	389	1440	91
5	15	123	153	3110	1620	2210	606	1940	706	351	1350	84
6	14	111	164	3900	1610	2210	567	1700	660	335	1180	79
7	13	101	173	4210	1620	2260	532	1470	606	327	1010	71
8	13	93	178	4030	1670	2300	505	1320	578	331	929	62
9	13	87	180	3680	1710	2270	495	1170	574	334	895	56
10	13	81	178	3320	1710	2190	491	1040	621	315	898	52
11	13	75	176	3050	1670	2130	489	905	741	283	881	51
12	13	70	173	2810	1610	2060	487	784	865	244	875	54
13	12	67	170	2620	1670	2010	489	655	933	222	905	59
14	12	65	169	2490	1750	1910	487	551	902	225	926	68
15	12	62	175	2390	1850	1780	487	459	787	253	812	81
16	12	61	189	2310	1920	1680	485	391	666	318	750	87
17	11	60	210	2180	2070	1580	489	359	621	430	694	83
18	11	59	237	2040	2350	1470	514	375	649	485	599	73
19	11	58	263	1980	2860	1400	551	405	732	561	503	67
20	10	58	287	1940	3650	1340	657	417	671	655	439	68
21	10	57	305	1890	4030	1300	881	414	638	812	396	71
22	11	56	317	1860	4010	1250	1120	420	628	1110	363	85
23	10	57	319	1830	4030	1190	1380	415	694	1610	331	99
24	10	58	318	1810	3890	1150	1620	384	769	1910	302	115
25	13	59	341	1780	3480	1120	1790	402	762	1880	281	128
26	20	61	381	1720	3020	1080	2170	457	700	1770	262	267
27	29	64	432	1650	2710	1060	2630	553	666	1640	223	378
28	28	65	485	1610	2490	1010	2950	717	669	1550	188	424
29	48	65	565	1620	---	958	3050	726	666	1520	158	409
30	84	66	663	1650	---	905	3130	649	641	1490	136	362
31	111	---	793	1700	---	858	---	660	---	1480	122	---
TOTAL	639	2346	8403	70871	65720	51721	31966	30198	21221	24382	22338	3831
MEAN	20.6	78.2	271	2286	2347	1668	1066	974	707	787	721	128
MAX	111	135	793	4210	4030	2360	3130	3040	933	1910	1520	424
MIN	10	56	70	971	1610	858	485	359	574	222	122	51
CFSM	.02	.06	.22	1.83	1.88	1.33	.85	.78	.57	.63	.58	.10
IN.	.02	.07	.25	2.11	1.95	1.54	.95	.90	.63	.72	.66	.11
CAL YR 1981	TOTAL	108082	MEAN 296	MAX 1470	MIN 10	CFSM .24	IN 3.21					
WTR YR 1982	TOTAL	333636	MEAN 914	MAX 4210	MIN 10	CFSM .73	IN 9.91					

PEE DEE RIVER BASIN

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

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
NOV 03...	1220	133	190	6.4	17.5	1.4	7.5	48	343	39	21	9.9
JAN 05...	1215	3220	86	5.6	9.5	8.1	8.8	153	670	21	18	5.3
MAR 02...	1200	2320	65	5.8	8.5	2.8	11.4	K17	48	15	9.0	3.9
MAY 12...	1230	781	68	6.0	22.0	2.1	5.8	K10	840	15	2.0	3.8
JUL 07...	1200	324	77	6.5	18.5	2.2	6.7	K30	400	17	1.0	4.3
SEP 01...	1300	109	97	6.6	20.5	2.5	7.8	52	390	19	.00	5.0

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)
NOV 03...	3.5	20	50	1.5	2.9	18	40	15	<.1	12	154	114
JAN 05...	1.9	8.5	44	.9	2.1	3.0	19	8.8	.1	7.3	88	55
MAR 02...	1.3	7.1	48	.9	1.4	6.0	9.0	10	<.1	.8	63	38
MAY 12...	1.4	8.9	53	1.1	1.5	13	5.0	8.9	<.1	2.8	57	41
JUL 07...	1.5	11	56	1.3	1.4	16	6.0	11	.1	11	88	57
SEP 01...	1.6	13	57	1.4	1.9	21	6.0	11	.2	14	96	65

DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	PCB, TOTAL (UG/L)
NOV 03...	.21	55.3	.05	.020	.03	.58	.150	.46	.140	.110	.34	--
JAN 05...	.12	765	.37	.020	.03	.61	.060	.18	.040	.020	.06	--
MAR 02...	.09	395	.09	.030	.04	.39	.030	.09	.010	<.010	--	--
MAY 12...	.08	120	.17	.070	.09	.96	.110	.34	.080	.060	.18	<.10
JUL 07...	.12	77.0	.18	.040	.05	1.60	.140	.43	.110	.090	.28	<.10
SEP 01...	.13	28.3	.20	.060	.08	1.70	.280	.86	.250	.230	.71	<.10

PEE DEE RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DATE	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 03...	<.10	--	<1.0	--	--	--	--	--	1	.36	64
JAN 05...	--	--	--	--	--	--	--	--	2	17	60
MAR 02...	--	--	--	--	--	--	--	--	2	15	38
MAY 12...	<1.00	<1	<10	<.01	<.01	.01	<.01	<.01	3	7.2	87
JUL 07...	--	<1	--	<.01	<.01	<.01	<.01	<.01	1	1.0	54
SEP 01...	--	<1	--	<.01	<.01	<.01	<.01	<.01	3	.88	70

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 03...	<1	<1.0	--	<.1	--	<1.0	--	<.1	--	.3	--	.1
JAN 05...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 02...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 12...	6	<1.0	<.01	<.1	<.10	4.0	<.01	18	<.01	17	<.01	43
JUL 07...	--	--	<.01	--	<.10	--	<.01	--	<.01	--	<.01	--
SEP 01...	--	--	<.01	--	<.10	--	.01	--	<.01	--	<.01	--

DATE	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)
NOV 03...	--	<.1	--	<.1	--	<.1	--	--	<.1	--	<.1	--
JAN 05...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 02...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 12...	<.01	9.2	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.1	<.01
JUL 07...	<.01	--	<.01	--	<.01	--	<.01	<.01	--	<.01	--	<.01
SEP 01...	<.01	--	<.01	--	<.01	--	<.01	<.01	--	<.01	--	<.01

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)
NOV 03...	<.1	--	--	<.1	--	--	--	<.1	--	--	--
JAN 05...	--	--	--	--	--	--	--	--	--	--	--
MAR 02...	--	--	--	--	--	--	--	--	--	--	--
MAY 12...	<.1	<.01	<.01	<.1	<.01	<.01	<.01	<.1	<.10	<.01	<.10
JUL 07...	--	<.01	<.01	--	<.01	<.01	<.01	--	<.10	<.01	<.10
SEP 01...	--	<.01	<.01	--	<.01	<.01	<.01	--	<.10	<.01	<.10

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
JAN 05...	10	10	2	<1	7	3	4	340	130	210
MAR 02...	--	<10	1	<1	7	--	<1	240	20	220
MAY 12...	--	<10	2	<1	3	--	<11	1000	330	670
JUL 07...	--	<10	<1	<1	4	3	1	1100	430	670

DATE	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
JAN 05...	--	<1	<1	<1	<1	<1	30	0	30
MAR 02...	2	1	<1	<1	<1	<1	10	0	39
MAY 12...	1	2	<1	<1	<1	<1	20	0	26
JUL 07...	--	<1	<1	<1	<1	<1	30	0	33

SANTÉE RIVER BASIN

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.

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

DRAINAGE AREA.--3,050 mi² (7,900 km²), approximately.

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

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

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

REMARKS.--Records good. Flow regulated by Lake Wylie, usable capacity, 2,520,500,000 ft³ (71,380,600 m³) and by other powerplants above station.

AVERAGE DISCHARGE.--48 years, 4,544 ft³/s (128.7 m³/s) 20.23 in/yr (514 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft³/s (4,280 m³/s) May 23, 1901, gage height, 24.15 ft (7.361 m), site and datum then in use; minimum daily, 418 ft³/s (11.8 m³/s) Mar. 8, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,400 ft³/s (861 m³/s) Jan. 4, gage height, 11.31 ft (3.447 m); minimum daily, 468 ft³/s (13.3 m³/s) Aug. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	581	604	2390	6570	1310	7980	701	4480	6640	5880	2570	570
2	689	974	1740	4020	7190	8680	3400	2640	6680	4290	1370	3230
3	1230	593	2330	6210	6570	6240	727	5920	8530	3780	6080	6110
4	512	1170	2550	16900	3000	9920	1230	4910	8640	779	4990	581
5	2260	604	701	8800	3330	6410	3260	5630	3350	4460	4290	570
6	2290	689	1000	5140	7440	5480	3750	7190	640	3590	4620	604
7	664	628	2950	3780	5950	8200	3520	4460	5760	2750	4570	740
8	3470	664	1770	3520	9700	8990	1610	701	7050	1660	1580	628
9	888	1850	4240	3470	7260	8310	2180	652	10400	1830	5920	581
10	2200	1060	4140	5080	8610	7720	701	2080	7470	689	3180	523
11	689	916	1360	9550	9220	5410	676	1610	7260	535	1870	727
12	1240	916	2200	10300	8380	5410	652	2730	4120	3000	1830	523
13	2180	974	1470	8530	6140	1290	2800	4740	4790	2770	988	792
14	3180	616	2520	10300	714	1150	2410	1520	10200	2520	604	931
15	3610	689	3970	10100	6180	7020	714	616	7230	2770	593	4910
16	3330	3730	874	9290	8800	10700	652	664	6510	3850	4290	2040
17	1540	2890	2290	9060	5110	9590	1020	2910	5880	2200	3520	727
18	616	3590	2180	9730	5820	6410	3900	2350	3610	689	1560	546
19	1660	2910	628	6440	6180	5440	1120	779	2440	1980	1230	570
20	1810	664	1030	6570	5290	2850	4140	1580	1080	1940	2000	2180
21	1140	628	1580	6950	616	1120	1340	1490	3110	2590	988	1240
22	860	640	628	3090	7300	3780	1900	4570	2750	2390	616	1720
23	846	2140	616	5140	10600	5480	1590	4270	5980	1320	3710	1660
24	1460	676	1580	4570	10900	5570	846	2930	5540	3160	5760	1420
25	664	846	792	7440	11700	4140	689	6850	1290	2610	5440	535
26	1230	628	819	8720	10200	3000	2240	8230	3090	3500	2840	593
27	4680	640	628	8050	6950	3660	2980	4790	3900	3090	874	1280
28	3640	593	4620	7940	1580	1110	6370	3950	5510	2200	593	1280
29	3300	593	5690	7510	---	2930	3570	4710	6270	3020	652	1290
30	4600	1440	3000	5440	---	3590	4350	3950	6570	2390	468	1260
31	916	---	2770	689	---	860	---	4910	---	701	479	---
TOTAL	57975	35555	65056	218899	182040	168440	65038	108812	162290	78933	80075	40361
MEAN	1870	1185	2094	7061	6501	5434	2168	3510	5410	2546	2583	1345
MAX	4680	3730	5690	16900	11700	10700	6370	8230	10400	5880	6080	6110
MIN	512	593	616	689	616	860	652	616	640	535	468	523

CAL YR 1981 TOTAL 803398 MEAN 2201 MAX 9630 MIN 396
WTR YR 1982 TOTAL 1263474 MEAN 3462 MAX 16900 MIN 468

02147000 CATAWBA RIVER NEAR CATAWBA, S.C.

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

DRAINAGE AREA.--3,530 mi² (9,140 km²), approximately.

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

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

REMARKS.--Records good, except those for period of no gage-height record Dec. 4, Jan. 26, and June 13 to July 28, which are poor. Flow regulated by Lake Wylie, usable capacity, 2,520,500,000 ft³ (71,380,600 m³) and by other powerplants above the station.

AVERAGE DISCHARGE.--14 years, 5,700 ft³/s (161.4 m³/s) 21.93 in/yr (557 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,600 ft³/s (2,080 m³/s) Oct. 9, 1976, gage height, 23.81 ft (7.257 m); minimum daily, 755 ft³/s (21.4 m³/s) Sept. 17, 1980.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge not determined, probably occurred Jan. 4 (result of regulation); minimum daily, 757 ft³/s (21.4 m³/s) Aug. 30, 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	805	1030	2730	8300	1410	8690	1010	4310	7060	6200	2420	799
2	811	980	2650	6200	5830	11400	2060	4350	6750	5000	2250	1980
3	1150	951	2560	12000	12100	6710	3070	4850	9900	4000	4810	5960
4	864	856	2670	17800	11200	10700	1300	5500	9450	1100	6330	3380
5	2060	1280	1260	9900	4670	8830	2990	6570	5560	4800	5370	805
6	2340	848	1540	6500	7530	5540	3860	6790	1580	3700	4740	811
7	1660	864	3090	5400	6710	9090	4760	6630	4050	2800	5130	769
8	1980	872	3050	4800	10400	11800	1590	1580	7710	2300	2560	980
9	3020	2100	4500	6100	8650	8980	2900	958	11000	2000	5830	799
10	2440	1270	4400	7600	9190	9330	1600	2470	11700	910	3780	769
11	1050	913	2400	10100	9240	6910	1000	1400	11200	1000	3560	823
12	1230	1190	2300	12000	9260	6770	1800	2870	7310	3400	3100	905
13	1800	1120	2300	11000	7120	2900	3100	4120	8800	3300	2280	793
14	3710	889	3200	10900	3390	1810	2400	3930	10100	3100	1240	1010
15	3910	817	4200	10800	4780	5900	1110	958	8900	3700	965	4350
16	2790	3090	1510	10200	9660	12500	1020	872	7000	4300	4000	3120
17	3210	2370	2600	10200	12400	10800	1400	2010	6200	2600	3710	1290
18	921	4070	2100	10500	8390	8460	9000	2940	4000	1700	2570	872
19	1030	3780	990	7900	7420	5900	1550	2560	2900	2100	1910	799
20	2470	2120	1300	7400	8480	4070	9100	1510	2100	2400	2320	1240
21	1730	811	1520	7300	1390	2870	2000	2800	3400	2800	1590	2420
22	1000	848	1100	5600	5370	3540	1900	3170	4200	2500	965	1780
23	864	2290	780	5600	11300	4980	1750	6120	6900	2300	2770	1800
24	1730	1020	1600	5500	11500	6770	1010	5240	5900	3700	5310	1740
25	1020	973	1190	7700	12400	5070	1170	6950	1700	3300	6670	980
26	1850	1020	820	9300	10900	4220	3910	9970	3900	3900	3930	763
27	6160	834	1100	8900	9750	4190	5370	5240	5100	3300	1760	1120
28	4530	840	4400	8480	8190	1580	8440	5980	6100	3100	1000	1470
29	3830	799	7400	8600	---	3360	7200	5290	7000	2660	897	1330
30	4850	848	4500	5920	---	3590	4850	4830	7800	4310	757	1330
31	2310	---	3300	2570	---	1780	---	4530	---	2960	757	---
TOTAL	69125	41693	79160	261070	228630	149040	94620	127298	195270	95240	95281	46987
MEAN	2230	1390	2554	8422	8165	6421	3154	4106	6509	3072	3074	1566
MAX	6160	4070	7400	17800	12400	12500	9100	9970	11700	6200	6670	5960
MIN	805	799	780	2570	1390	1580	1000	872	1580	910	757	763
CAL YR 1981 TOTAL	984451		MEAN	2697	MAX	11500	MIN	759				
WTR YR 1982 TOTAL	1533414		MEAN	4201	MAX	17800	MIN	757				

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

DRAINAGE AREA.--5,070 mi² (13,100 km²), approximately.

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

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

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

REMARKS.--Records good. Flow regulated by powerplant at Wateree Reservoir (usable capacity, 2,794,000,000 ft³ (79,126,000 m³) and by other powerplants above station.

AVERAGE DISCHARGE.--59 years (water years 1904-10, 1929-82), 6,389 ft³/s (180.9 m³/s), 17.12 in/yr (435 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 366,000 ft³/s (10,400 m³/s) Aug. 26, 1908 gage height, 39.7 ft (12.1 m), site and datum then in use, from records of National Weather Service, from rating curve extended above 122,000 ft³/s (3,460 m³/s) on basis of computation, by Duke Power Co., of peak flow 382,000 ft³/s (10,800 m³/s) over dam at Rocky Creek Reservoir; minimum daily, 143 ft³/s (4.05 m³/s) Sept. 28, 1980.

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--The flood of July 18, 1916 reached a stage of 40.4 ft (12.3 m), datum, 117.71 ft (35.878 m) above mean sea level, at site 1.5 mi (2.4 km) downstream, from records of National Weather Service, discharge, 400,000 ft³/s (11,300 m³/s) from rating curve extended above 122,000 ft³/s (3,460 m³/s) as explained above.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 41,200 ft³/s (1,170 m³/s) Jan. 5, gage height, 25.99 ft (7.922 m); minimum daily, 280 ft³/s (7.93 m³/s) Nov. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1920	508	4080	15300	1680	13600	3200	6880	9270	9310	4830	2110
2	1390	932	1930	16800	6940	13500	4520	5670	12100	7420	9330	2800
3	753	405	3100	18500	12600	13500	2820	5180	13300	4600	7750	5220
4	299	1440	3920	24900	13600	13500	500	8320	12300	6030	10400	2570
5	1820	1320	1010	37500	13500	13500	5890	7620	13500	5730	6770	645
6	3020	812	2280	28200	13300	13300	6630	7300	5040	3730	7340	466
7	2050	487	3180	19600	13100	13000	4940	7510	6370	3500	7300	3440
8	2740	512	3300	15200	12900	13100	4490	3890	9130	3170	3600	2040
9	1630	1210	4070	13500	12900	13500	5400	1180	11500	3290	5540	1400
10	2330	835	4470	12800	12900	13400	1980	1220	11700	2930	7580	485
11	465	1330	2690	9630	12900	9350	1160	2680	12700	1080	3900	466
12	1270	866	2990	11400	12800	7400	1900	2950	10800	2850	3350	520
13	1710	568	1550	12100	11800	4320	3900	4280	9190	3560	5310	2120
14	2380	299	4720	10700	4430	3370	6700	4400	11000	3510	4920	2290
15	3720	336	5790	9990	6100	6410	5100	2130	9090	4950	750	4980
16	3950	3420	6690	12000	12400	13100	4100	888	8670	6720	5880	2630
17	1760	4140	7550	12400	13100	13500	3100	2880	9290	4730	5760	2400
18	617	3640	5990	12400	13700	12400	5100	2830	5590	3110	6720	1050
19	1480	3540	4780	10900	13600	8300	6400	3110	4760	2880	5890	720
20	1630	891	2560	5710	13300	6170	7800	1170	1680	3340	3020	3340
21	1910	822	2540	10400	12700	1930	5900	1500	3750	4190	774	3310
22	1770	498	992	11600	12800	5040	3900	3140	5000	4980	952	2180
23	1850	2160	457	11400	12900	9060	2600	4380	7600	3810	2120	2200
24	1240	1380	1840	11900	12900	9150	2000	6110	5670	1910	5790	2460
25	882	641	5410	12500	12800	7750	4600	12800	9210	2880	6500	580
26	2690	434	11300	12400	12800	6020	8400	10900	7630	6000	2750	555
27	5090	287	9920	12200	13000	2560	10000	9520	4470	8300	2990	1540
28	4010	280	10900	10900	13700	434	13000	9760	6380	6470	838	600
29	4810	1500	7470	8910	---	5700	14000	6940	9840	3870	462	4110
30	5120	2810	7490	4710	---	4210	13700	4970	10800	2980	1400	1450
31	2910	---	8190	565	---	1280	---	4280	---	5170	690	---
TOTAL	69216	38303	143159	417015	331150	271354	163730	156388	257330	137000	141206	60677
MEAN	2233	1277	4618	13450	11830	8753	5458	5045	8578	4419	4555	2023
MAX	5120	4140	11300	37500	13700	13600	14000	12800	13500	9310	10400	5220
MIN	299	280	457	565	1680	434	500	888	1680	1080	462	466

CAL YR 1981 TOTAL 1226702 MEAN 3361 MAX 16500 MIN 276
WTR YR 1982 TOTAL 2186528 MEAN 5990 MAX 37500 MIN 280

Santee River Basin

02148315 WATEREE RIVER BELOW EASTOVER, S.C.

55

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

DRAINAGE AREA.--5,590 mi² (14,480 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1968 to current year, discharge below 10,000 ft³/s (283 m³/s) only.

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

REMARKS.--Records good. Flow regulated by powerplant at Wateree Reservoir, usable capacity, 2,794,000,000 ft³ (79,126,000 m³), and by other powerplants above station. Discharge represents only that portion of the flow confined to the main channel. At times of high flow, bankfull capacity is exceeded in the intervening channel reach.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined; minimum daily, 702 ft³/s (19.9 m³/s) Sept. 3, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined; minimum daily, 704 ft³/s (19.9 m³/s) May 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1320	4230	1740	8480	5650	---	3570	9670	5250	8730	4470	1430
2	2000	2590	3320	9820	4270	---	2980	9130	7560	8360	5510	1330
3	2360	1380	3240	9980	7510	---	4410	7400	8920	7350	6380	1900
4	1640	1280	2810	---	9490	---	4550	6550	9320	5490	7250	3590
5	1320	1020	3530	---	9760	---	2860	7570	9500	5620	8250	3870
6	1140	1620	3100	---	9800	---	3570	7420	9530	5390	7340	1950
7	2190	1580	1900	---	---	---	6250	7270	8200	4460	7040	1190
8	2850	1230	2820	---	---	---	5860	7140	6830	3670	6830	1270
9	2600	948	3150	---	---	---	5050	5450	7970	3190	5190	2700
10	2800	968	3420	---	---	---	5510	3390	8570	3200	4830	1820
11	2160	1270	3670	---	---	---	4750	2330	9070	2880	6590	1430
12	2150	1170	3400	---	---	---	2420	2690	9180	2620	5450	1010
13	1360	1480	3000	---	---	9400	2350	3610	9010	1820	3980	840
14	1670	1200	2200	---	---	7800	4610	4180	8510	3010	4740	982
15	2240	936	2700	---	---	6000	6610	4720	8620	3560	5530	1850
16	3020	692	5200	---	---	8700	4790	3620	8290	4740	3210	3210
17	3840	1130	6280	---	---	9370	3660	2620	8070	6070	3410	3170
18	3340	3390	6990	---	---	9560	3230	2170	8120	5550	5420	2480
19	1980	3640	6210	---	---	9630	4220	3270	6490	4030	5870	2230
20	1460	3450	3140	---	---	9600	6490	3650	5260	3540	5790	1370
21	1820	2690	2850	---	---	9600	7410	3110	3760	3780	4120	1460
22	2170	1460	2910	---	---	5800	7300	2020	3130	4160	2850	2900
23	2050	1190	2570	---	---	7400	5420	2610	4740	4580	1820	3010
24	2080	1270	1400	---	---	7950	3380	4200	6510	4340	1690	1930
25	2210	1840	920	---	---	8210	2470	5850	6300	3570	3630	2250
26	1700	1660	3200	9820	---	7790	3190	8720	7500	2470	5570	1980
27	1850	1150	6800	8820	---	6660	6180	8980	7500	4540	4300	1210
28	4100	844	9400	9780	---	5240	9360	8680	5900	6360	2940	1110
29	4450	664	8900	9780	---	3090	9680	8530	5560	5730	2560	1390
30	4750	728	8050	9480	---	3700	9730	7420	8170	4840	1470	1760
31	4860	---	7660	8250	---	5320	---	6090	---	3330	1150	---
TOTAL	75480	48700	126480	---	---	---	152360	170060	221340	140980	145180	58622
MEAN	2435	1623	4080	---	---	---	5079	5486	7378	4548	4683	1954
MAX	4860	4230	9400	---	---	---	9730	9670	9530	8730	8250	3870
MIN	1140	664	920	---	---	---	2350	2020	3130	1820	1150	840

SANTEE RIVER BASIN

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1970 to current year.

pH: October 1970 to current year.

WATER TEMPERATURE: October 1970 to current year.

DISSOLVED OXYGEN: October 1970 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

pH: Maximum, 8.5 units Aug. 26, 1980; minimum, 5.8 units Aug. 3.

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

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 204 micromhos Dec. 29; minimum, 54 micromhos Aug. 3.

pH: Maximum, 7.8 units Jan. 4; minimum, 5.8 units Aug. 3.

WATER TEMPERATURE: Maximum, 30.8°C July 4; minimum, 4.1°C Jan. 28.

DISSOLVED OXYGEN: Maximum, 10.6 mg/L Jan. 22-25, 28; minimum, 3.9 mg/L June 6-7.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	173	157	160	174	169	170	175	148	162	199	183	188
2	178	161	170	174	166	168	181	173	177	182	162	167
3	177	167	172	176	159	165	181	174	176	178	174	176
4	169	164	166	167	158	162	173	163	170	175	156	166
5	169	165	167	167	155	159	179	169	174	156	147	152
6	172	163	168	177	156	167	183	175	179	148	131	141
7	188	162	172	182	170	174	175	166	171	134	128	132
8	178	165	168	184	168	175	175	166	171	127	118	122
9	171	166	168	168	162	164	181	177	178	108	105	106
10	175	165	168	167	157	160	182	177	180	95	94	94
11	168	163	165	172	166	169	186	182	184	97	95	96
12	177	161	168	170	164	166	185	183	184	102	97	99
13	163	159	161	177	167	171	185	181	183	113	103	107
14	177	161	168	171	163	166	185	180	183	121	114	119
15	172	165	167	163	160	162	187	176	180	121	114	117
16	173	165	168	160	154	159	188	176	184	134	120	130
17	173	166	168	174	145	153	180	152	170	131	128	129
18	172	166	168	177	173	175	184	176	181	130	127	128
19	173	167	169	178	175	176	187	183	186	129	125	128
20	169	163	166	177	173	175	187	182	184	---	---	---
21	175	168	172	179	175	176	192	188	190	---	---	---
22	---	---	---	175	169	172	187	177	182	---	---	---
23	---	---	---	169	166	168	187	177	183	---	---	---
24	---	---	---	175	161	167	186	173	181	---	---	---
25	---	---	---	176	172	173	173	156	163	125	121	122
26	---	---	---	174	168	173	182	151	166	124	123	124
27	---	---	---	168	161	165	193	176	183	124	122	123
28	---	---	---	161	156	158	201	187	191	123	118	120
29	166	163	164	156	140	150	204	193	200	119	116	118
30	170	166	167	148	136	140	193	181	190	115	110	113
31	174	166	169	---	---	---	192	181	189	112	108	109

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	109	106	108	93	90	91	103	100	102	128	120	125
2	114	109	110	93	91	92	110	101	103	119	112	115
3	114	96	106	98	94	96	113	100	105	125	115	120
4	111	108	110	101	98	100	106	103	104	135	117	123
5	108	101	103	102	100	101	107	105	106	139	135	136
6	105	104	104	101	100	101	116	99	105	144	137	139
7	105	103	104	100	98	99	108	102	106	147	140	142
8	106	105	105	99	97	98	106	100	104	151	141	145
9	107	106	107	97	94	95	105	100	102	143	138	139
10	108	105	107	95	94	95	105	100	102	141	133	136
11	108	105	107	98	93	95	103	90	96	134	130	132
12	105	102	103	94	92	93	98	93	95	138	129	134
13	102	98	99	98	92	95	96	86	92	143	130	135
14	98	92	95	100	92	97	110	86	96	145	135	140
15	91	88	89	102	95	99	111	107	109	158	140	149
16	96	85	90	104	96	100	108	105	106	149	137	143
17	97	96	97	102	101	102	109	91	98	149	138	141
18	98	96	97	---	---	---	120	84	101	145	134	137
19	96	93	95	---	---	---	104	90	97	145	137	141
20	97	95	96	---	---	---	109	76	97	144	132	140
21	99	97	98	---	---	---	112	107	109	142	138	140
22	102	99	100	---	---	---	---	---	---	---	---	---
23	104	102	103	---	---	---	---	---	---	---	---	---
24	104	102	103	103	102	102	---	---	---	---	---	---
25	103	101	102	107	102	103	---	---	---	146	137	141
26	101	98	99	105	102	103	---	---	---	145	139	141
27	98	96	97	106	101	103	---	---	---	142	137	139
28	96	93	95	105	102	103	114	113	113	145	137	140
29	---	---	---	108	104	105	119	114	115	146	139	142
30	---	---	---	116	100	107	123	117	120	142	136	138
31	---	---	---	106	103	104	---	---	---	141	135	137
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	146	133	137	129	122	126	115	102	108	130	118	124
2	154	138	147	129	122	125	117	103	110	129	117	122
3	155	146	151	131	123	126	106	54	85	134	116	125
4	158	149	152	133	122	126	111	94	102	140	125	132
5	152	143	148	133	124	130	111	102	109	140	131	135
6	146	129	137	131	128	129	110	105	108	132	124	128
7	133	116	121	---	---	---	111	96	106	124	122	123
8	137	88	107	---	---	---	113	92	109	123	116	120
9	151	136	141	---	---	---	117	106	110	134	121	128
10	147	142	145	---	---	---	114	96	108	127	125	126
11	147	141	144	---	---	---	124	115	120	127	122	124
12	149	141	142	---	---	---	120	114	115	133	117	124
13	143	138	140	125	120	122	115	93	103	116	113	114
14	142	134	137	135	123	126	116	99	106	120	113	116
15	142	136	139	125	106	117	126	116	123	133	121	128
16	143	132	135	110	104	106	121	109	115	138	127	133
17	139	134	136	117	103	111	124	103	112	140	131	135
18	138	134	136	117	112	114	128	126	126	137	131	134
19	136	129	134	117	109	112	130	126	128	139	129	133
20	138	132	134	112	106	110	131	124	128	134	128	131
21	137	128	131	108	100	104	124	119	122	138	124	127
22	133	127	131	110	88	102	126	120	122	142	128	134
23	134	124	128	121	103	114	124	118	120	139	122	129
24	131	122	127	126	117	122	119	113	117	127	124	125
25	129	125	127	120	114	118	134	118	126	125	120	123
26	138	124	132	118	104	111	134	129	131	128	122	126
27	134	128	131	117	80	105	130	125	127	122	118	119
28	131	127	128	124	114	120	126	124	125	118	115	116
29	130	94	119	124	111	117	128	124	126	120	115	117
30	132	118	123	122	109	117	127	124	125	127	111	115
31	---	---	---	116	106	112	122	118	120	---	---	---
YEAR	204	54	132									

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

pH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

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

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

pH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	JUNE		JULY		AUGUST		SEPTEMBER	
1	6.5	6.4	6.5	6.4	6.4	6.3	6.6	6.6
2	6.5	6.5	6.6	6.5	6.4	6.3	6.6	6.5
3	6.5	6.5	6.5	6.4	6.3	5.8	6.7	6.6
4	6.5	6.5	6.4	6.4	6.5	6.1	6.7	6.6
5	6.5	6.4	6.4	6.4	6.7	6.5	6.7	6.7
6	6.4	6.3	6.4	6.4	6.6	6.5	6.8	6.7
7	6.3	6.1	---	---	6.6	6.5	6.7	6.5
8	6.4	6.1	---	---	6.6	6.4	6.6	6.5
9	6.6	6.4	---	---	6.5	6.5	6.8	6.6
10	6.5	6.5	---	---	6.5	6.4	6.8	6.7
11	6.5	6.4	---	---	6.6	6.5	6.7	6.6
12	6.5	6.4	---	---	6.6	6.6	6.6	6.5
13	6.5	6.4	6.3	6.3	6.6	6.4	6.5	6.5
14	6.4	6.4	6.4	6.3	6.5	6.4	6.6	6.5
15	6.5	6.4	6.4	6.3	6.6	6.5	6.7	6.6
16	6.5	6.4	6.3	6.2	6.6	6.5	6.7	6.7
17	6.4	6.4	6.3	6.2	6.6	6.4	6.8	6.7
18	6.4	6.4	6.3	6.3	6.7	6.6	6.8	6.7
19	6.4	6.4	6.3	6.2	6.7	6.6	6.7	6.7
20	6.5	6.4	6.3	6.3	6.6	6.6	6.7	6.6
21	6.4	6.4	6.3	6.3	6.6	6.6	6.6	6.6
22	6.4	6.4	6.3	6.2	6.6	6.5	6.7	6.6
23	6.4	6.4	6.4	6.3	6.5	6.5	6.8	6.7
24	6.5	6.4	6.4	6.4	6.5	6.5	6.8	6.7
25	6.5	6.4	6.4	6.3	6.6	6.5	6.8	6.7
26	6.5	6.4	6.3	6.3	6.9	6.6	6.8	6.7
27	6.4	6.4	6.4	6.2	6.8	6.7	6.7	6.5
28	6.4	6.4	6.5	6.3	6.8	6.6	6.6	6.5
29	6.4	6.2	6.5	6.4	6.6	6.6	6.6	6.5
30	6.4	6.4	6.4	6.4	6.6	6.5	6.6	6.5
31	---	---	6.4	6.3	6.5	6.5	---	---
YEAR	7.1	5.8	---	---	---	---	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25.6	23.7	24.6	18.2	17.6	17.8	12.8	12.3	12.5	7.6	7.3	7.5
2	25.4	24.0	24.6	18.5	17.2	17.8	13.7	12.7	13.1	8.1	7.4	7.8
3	23.9	22.5	23.2	18.9	17.4	18.2	13.6	12.5	13.0	7.9	7.6	7.6
4	22.3	21.0	21.7	19.1	17.7	18.5	13.2	12.4	12.8	8.6	7.6	8.0
5	22.4	20.2	21.3	19.5	18.8	19.1	12.4	11.2	11.9	8.1	7.4	7.7
6	23.1	20.9	22.0	19.5	18.2	18.9	11.7	10.7	11.2	8.2	7.3	7.8
7	23.2	22.1	22.6	18.0	16.4	17.4	11.0	9.7	10.4	8.7	7.9	8.3
8	23.4	22.2	22.8	16.7	15.3	15.9	11.8	9.6	10.7	8.7	7.9	8.4
9	22.1	21.0	21.6	16.0	14.6	15.5	11.7	10.2	11.0	8.1	7.2	7.7
10	21.5	20.6	20.9	16.0	15.4	15.6	10.8	9.4	10.1	7.1	4.9	6.2
11	20.5	19.6	20.2	16.1	14.9	15.4	9.9	8.6	9.1	5.2	4.6	5.0
12	20.4	19.0	19.7	15.4	14.3	14.8	9.2	8.0	8.5	5.2	4.4	4.8
13	20.0	18.7	19.3	14.3	13.4	13.8	8.8	7.2	8.2	5.3	4.8	5.1
14	19.4	17.9	18.6	13.9	12.3	13.1	9.8	8.4	9.2	5.3	5.1	5.2
15	19.8	18.3	19.1	13.6	11.9	12.7	9.7	9.4	9.5	5.9	5.3	5.6
16	20.9	18.9	20.0	13.4	11.9	12.8	9.8	8.7	9.3	5.6	5.0	5.2
17	21.6	19.9	20.7	13.9	12.8	13.3	9.4	8.5	9.0	5.1	4.9	5.1
18	21.8	20.3	21.1	15.5	12.8	14.3	9.5	8.8	9.2	5.4	4.7	5.0
19	20.6	18.6	19.9	15.5	13.9	14.7	8.9	7.4	8.4	4.9	4.5	4.7
20	18.9	17.4	18.1	15.9	14.8	15.2	7.5	6.0	6.8	---	---	---
21	18.1	16.7	17.3	14.7	13.5	14.1	7.2	6.8	7.0	---	---	---
22	---	---	---	13.4	11.7	12.7	8.1	6.8	7.4	---	---	---
23	---	---	---	12.1	10.8	11.5	10.2	7.7	8.9	---	---	---
24	---	---	---	12.1	11.1	11.5	10.8	10.3	10.6	---	---	---
25	---	---	---	12.2	10.4	11.5	10.8	10.4	10.6	5.5	5.0	5.3
26	---	---	---	12.8	11.3	12.1	10.4	8.5	9.4	5.3	4.7	5.0
27	---	---	---	13.9	11.8	13.1	8.4	8.2	8.3	4.9	4.2	4.5
28	---	---	---	15.1	13.8	14.4	8.4	8.1	8.2	5.0	4.1	4.6
29	19.0	18.3	18.7	14.2	13.0	13.7	8.8	8.3	8.5	5.4	4.4	4.9
30	18.5	17.8	18.1	13.6	12.4	13.1	8.6	8.0	8.2	6.0	5.0	5.4
31	18.4	17.5	17.9	---	---	---	7.9	7.4	7.6	7.4	5.6	6.6

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	8.3	7.0	7.7	9.7	9.1	9.3	18.2	15.9	17.1	19.7	18.4	19.1
2	8.9	8.0	8.3	10.3	8.9	9.7	19.1	17.3	18.1	19.8	18.6	19.2
3	9.0	6.4	7.4	10.7	9.8	10.3	19.1	17.5	18.4	20.6	18.9	19.8
4	7.2	6.3	6.7	10.6	10.1	10.3	18.1	16.6	17.4	21.4	19.5	20.5
5	7.5	6.8	7.2	11.1	9.9	10.5	16.5	16.1	16.2	21.0	19.8	20.5
6	8.1	7.3	7.6	10.8	10.5	10.6	17.2	15.2	16.4	21.6	20.2	20.9
7	8.0	7.4	7.7	10.6	9.9	10.3	16.3	14.7	15.6	21.4	20.5	21.0
8	8.1	7.1	7.6	10.2	9.2	9.7	15.8	14.9	15.4	21.3	20.6	21.0
9	8.1	7.5	7.8	10.5	9.2	9.9	16.4	14.6	15.4	22.3	20.8	21.6
10	8.4	7.7	8.1	10.7	9.7	10.3	16.2	14.5	15.5	22.7	20.9	21.9
11	8.5	7.9	8.2	11.4	10.3	10.9	17.4	14.8	16.1	22.9	21.3	22.1
12	8.3	7.7	8.1	12.6	11.4	12.1	18.2	15.4	17.0	23.9	22.5	23.2
13	8.6	7.9	8.3	13.6	12.4	13.0	19.2	17.0	18.2	24.0	22.5	23.3
14	9.0	7.8	8.5	14.4	12.9	13.7	19.1	17.8	18.3	24.7	22.6	23.7
15	9.8	8.6	9.4	14.8	13.7	14.2	19.4	17.6	18.3	23.9	22.6	23.6
16	11.0	9.8	10.2	13.6	11.7	12.9	19.4	17.7	18.6	24.4	22.5	23.6
17	10.0	9.6	9.8	12.1	11.5	11.7	---	---	---	24.6	23.3	24.0
18	9.9	9.6	9.7	---	---	---	---	---	---	25.1	23.7	24.5
19	10.3	9.4	9.8	---	---	---	---	---	---	24.6	23.4	24.0
20	10.4	9.3	9.9	---	---	---	19.4	18.0	18.8	24.6	23.1	23.9
21	10.8	9.7	10.3	---	---	---	19.3	17.3	18.0	24.4	23.1	23.7
22	10.6	9.8	10.2	---	---	---	---	---	---	---	---	---
23	10.6	9.6	10.1	---	---	---	---	---	---	---	---	---
24	11.3	9.9	10.7	15.0	14.5	14.8	---	---	---	---	---	---
25	11.0	10.6	10.8	15.1	14.5	14.8	---	---	---	24.1	23.1	23.7
26	10.8	9.7	10.2	15.7	14.5	15.1	---	---	---	24.1	22.9	23.6
27	9.7	9.1	9.3	15.6	14.3	15.0	---	---	---	25.1	24.1	24.6
28	9.3	9.0	9.2	15.4	13.9	14.6	18.7	18.6	18.7	25.3	24.4	24.9
29	---	---	---	15.1	13.6	14.4	19.7	18.4	19.2	26.0	24.5	25.3
30	---	---	---	15.8	14.0	14.9	19.6	18.5	19.2	26.7	25.4	26.0
31	---	---	---	16.2	14.6	15.7	---	---	---	26.9	25.8	26.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	28.7	26.0	26.7	29.4	28.4	28.9	27.9	27.6	27.8	26.3	25.2	25.9
2	26.9	26.0	26.5	29.7	28.4	29.1	28.4	27.4	28.0	27.5	25.9	26.7
3	27.7	26.3	26.9	30.1	28.7	29.5	28.0	27.2	27.6	28.1	26.6	27.4
4	26.8	26.2	26.5	30.8	28.9	29.9	28.9	27.7	28.5	28.5	27.5	28.0
5	27.0	25.8	26.5	30.0	28.6	29.4	29.2	28.3	28.8	27.8	26.7	27.3
6	26.6	25.8	26.3	29.6	28.6	29.0	28.6	27.8	28.3	27.0	25.8	26.4
7	26.5	25.5	26.1	---	---	---	28.5	27.8	28.2	26.7	25.1	26.0
8	27.3	25.7	26.5	---	---	---	29.0	28.0	28.6	25.9	24.7	25.3
9	28.7	27.2	28.1	---	---	---	29.2	28.2	28.7	26.6	24.9	25.8
10	28.8	27.7	28.2	---	---	---	29.0	27.8	28.4	26.1	25.5	25.8
11	28.0	27.1	27.6	---	---	---	28.7	28.2	28.5	25.5	24.7	25.1
12	28.0	26.7	27.5	---	---	---	29.1	28.3	28.6	25.7	24.2	25.0
13	27.6	27.0	27.3	28.1	27.6	27.9	28.2	27.4	27.8	25.9	24.8	25.4
14	27.7	26.7	27.0	28.5	27.3	27.9	28.0	26.9	27.5	25.9	25.1	25.5
15	28.4	26.8	27.8	28.1	26.5	27.3	28.8	27.2	28.1	27.1	25.3	26.3
16	29.7	27.8	28.8	27.2	26.2	26.7	29.1	27.8	28.5	27.6	26.4	27.1
17	28.4	27.6	28.0	27.8	26.4	27.3	28.9	27.8	28.3	28.0	26.8	27.5
18	27.5	26.7	27.1	28.3	27.4	27.9	28.5	27.7	28.1	27.9	27.1	27.6
19	28.3	26.7	27.5	28.9	27.7	28.4	28.0	27.2	27.7	27.4	26.4	27.0
20	28.5	26.6	27.8	28.9	28.1	28.5	28.3	27.4	27.9	27.1	26.3	26.7
21	29.9	27.8	28.9	28.8	27.8	28.4	29.0	27.8	28.4	26.2	24.9	25.5
22	28.6	27.8	28.3	29.5	28.3	28.8	28.9	27.9	28.4	25.0	24.2	24.6
23	28.6	27.3	28.1	29.6	28.8	29.3	29.2	28.0	28.6	24.3	23.3	23.9
24	29.2	27.0	28.2	29.4	28.0	28.6	29.4	27.9	28.7	23.8	22.7	23.3
25	28.8	27.4	28.2	28.6	27.3	28.0	30.0	28.4	29.2	23.3	22.1	22.8
26	28.2	27.1	27.8	29.4	27.8	28.6	29.4	28.6	29.1	23.4	21.9	22.7
27	27.8	27.3	27.5	30.1	28.7	29.4	29.3	28.6	29.0	23.2	21.4	22.2
28	28.4	27.3	27.8	30.0	29.3	29.7	29.1	28.5	28.8	23.0	21.6	22.4
29	29.0	27.3	28.0	29.7	28.9	29.3	28.6	27.5	28.2	23.1	21.8	22.5
30	29.1	27.7	28.5	28.8	28.3	28.5	27.3	26.3	26.9	23.3	21.9	22.6
31	---	---	---	28.2	27.8	28.0	26.4	25.3	25.9	---	---	---
YEAR	30.8	4.1	18.7									

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

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

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

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

SANTÉE RIVER BASIN

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02153780 CLARKS FORK CREEK NEAR SMYRNA, S.C.

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

DRAINAGE AREA.--24.1 mi² (62.4 km²).

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

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

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height 11.29 ft (3.441 m) Dec. 31, 1981, discharge not determined; minimum daily 1.1 ft³/s (0.031 m³/s) Sept. 20-31, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum gage height 11.29 ft (3.441 m) Dec. 31, discharge not determined; minimum daily 1.2 ft³/s (0.034 m³/s) Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	3.6	12	149	38	73	18	17	38	11	25	6.5
2	1.4	3.6	34	36	29	55	18	17	14	10	13	6.6
3	2.1	3.6	13	167	244	34	20	17	12	10	10	8.7
4	2.2	3.8	11	369	79	28	18	16	11	9.5	9.3	6.5
5	2.2	4.1	9.3	150	36	26	18	15	12	9.5	9.1	5.7
6	2.3	6.6	8.9	70	30	26	18	15	10	9.1	9.1	5.6
7	2.4	5.1	8.9	60	25	45	17	14	9.5	9.1	8.7	5.4
8	2.3	4.5	8.9	54	23	43	19	14	9.3	8.9	9.1	5.3
9	2.4	4.4	8.7	48	24	28	30	14	9.3	8.9	10	5.1
10	2.5	4.4	8.7	46	26	26	21	13	11	12	9.5	5.1
11	2.8	4.5	8.5	46	23	25	19	13	16	11	11	5.7
12	3.0	4.4	8.5	48	22	23	18	13	10	12	13	7.2
13	3.1	4.5	8.3	48	23	20	18	12	11	10	13	6.2
14	3.7	4.8	32	50	22	20	18	12	11	9.3	10	5.9
15	3.4	5.0	121	49	20	30	18	12	9.5	9.3	8.9	6.0
16	3.2	5.0	64	48	31	30	18	12	9.3	9.3	8.5	9.1
17	3.3	5.1	22	50	151	25	18	12	17	8.9	8.1	6.0
18	3.3	5.3	16	49	43	25	19	12	57	9.3	8.3	5.4
19	3.6	5.4	14	60	33	23	16	11	17	8.7	7.9	5.3
20	3.7	5.7	14	90	28	23	17	11	14	8.5	7.7	6.3
21	3.3	5.7	19	130	25	22	17	11	12	8.1	7.5	5.9
22	3.2	5.7	16	64	23	22	16	11	13	8.5	7.4	5.6
23	3.1	6.2	12	72	21	20	16	14	13	10	7.5	5.0
24	3.3	7.4	12	55	21	20	16	13	105	55	7.2	4.8
25	6.3	6.8	53	36	20	20	15	13	18	13	7.1	4.8
26	21	6.6	34	31	20	20	41	17	13	10	6.5	6.3
27	44	7.1	22	28	55	18	47	17	13	9.3	6.3	6.9
28	7.2	8.0	18	26	74	18	30	14	25	8.9	6.5	5.7
29	4.4	7.5	19	26	---	18	21	16	16	8.9	6.3	5.3
30	3.8	8.0	16	24	---	18	18	12	13	50	6.3	5.1
31	3.6	---	255	27	---	18	---	19	---	16	6.3	---
TOTAL	157.3	162.4	907.7	2206	1209	842	613	429	548.9	392.0	284.1	179.0
MEAN	5.07	5.41	29.3	71.2	43.2	27.2	20.4	13.8	18.3	12.6	9.16	5.97
MAX	44	8.0	255	369	244	73	47	19	105	55	25	9.1
MIN	1.2	3.6	8.3	24	20	18	15	11	9.3	8.1	6.3	4.8
CAL YR 1981	TOTAL	4494.6	MEAN 12.3	MAX 255	MIN 1.1							
WTR YR 1982	TOTAL	7930.4	MEAN 21.7	MAX 369	MIN 1.2							

SANTEE RIVER BASIN

02154500 NORTH PACOLET RIVER AT FINGERVILLE, S.C.

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

DRAINAGE AREA.--116 mi² (300 km²).

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

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

REMARKS.--Records good, except those for periods of no gage-height record, Oct. 28 to Dec. 1, Dec. 23 to Feb. 3, and Apr. 7 to May 9, which are poor. Some diurnal fluctuation at low and medium flow caused by mill above station.

AVERAGE DISCHARGE.--53 years, 212 ft³/s (6.004 m³/s), 24.82 in/yr (630 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft³/s (354 m³/s) Aug. 14, 1940, gage height, 27.13 ft (8.269 m) from rating curve extended above 4,300 ft³/s (122 m³/s) on basis of computation of peak flow over dam 2.0 mi (3.2 km) above station; minimum, 9.0 ft³/s (0.25 m³/s) Oct. 6, 1954; minimum daily, 28 ft³/s (0.79 m³/s) Oct. 6, 7, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,600 ft³/s (45.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 1	Unknown	Unknown	Unknown	Feb. 4	0915	2,360 66.8	9.77 2.978
Jan. 4	Unknown	*Unknown	*Unknown	June 18	2100	3,030 85.8	11.44 3.487

Minimum discharge, 47 ft³/s (1.33 m³/s) Oct. 3, 9, gage height, 2.94 ft (0.896 m); minimum daily, 48 ft³/s (1.36 m³/s) Oct. 3, 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	70	120	1200	270	236	149	200	160	129	366	94
2	50	68	181	700	400	224	143	220	240	120	217	100
3	48	66	127	900	1000	212	161	190	190	116	167	122
4	49	64	103	2600	1770	200	176	150	160	111	145	98
5	50	70	91	1400	455	193	153	140	140	108	139	89
6	51	78	84	750	314	185	159	150	130	105	139	86
7	49	72	79	550	262	270	120	160	130	113	125	84
8	48	76	78	400	234	270	150	150	124	118	141	81
9	48	90	75	320	239	222	170	140	122	108	151	79
10	52	74	70	260	252	207	160	157	172	113	202	79
11	59	64	69	180	210	197	150	153	219	165	170	81
12	56	64	68	170	200	190	140	149	155	133	147	89
13	56	62	68	180	195	185	150	145	202	151	139	88
14	54	62	97	180	183	181	140	143	157	265	137	89
15	53	66	207	190	181	193	160	139	137	239	125	92
16	54	64	205	180	260	210	170	135	131	178	118	95
17	52	62	141	200	391	185	190	133	131	139	116	83
18	52	62	118	180	384	178	230	151	1520	129	115	78
19	53	60	103	170	290	174	190	149	1070	229	118	103
20	52	62	92	170	252	172	170	161	262	163	110	94
21	52	64	92	300	231	170	140	147	188	129	106	88
22	53	60	97	480	202	165	120	140	170	116	101	97
23	57	62	100	580	197	159	110	170	157	115	100	84
24	65	66	110	600	193	157	130	160	147	120	98	78
25	70	68	160	450	185	157	300	130	147	124	98	78
26	165	64	240	350	178	157	500	110	163	110	94	81
27	207	64	180	280	217	149	600	500	153	105	91	86
28	130	62	150	260	247	147	400	400	161	105	91	81
29	90	64	140	180	---	145	350	350	174	153	89	76
30	75	70	140	160	---	145	240	250	147	224	86	75
31	70	---	450	190	---	147	---	170	---	298	88	---
TOTAL	2073	2000	4035	14710	9392	5782	6121	5642	7159	4531	4129	2628
MEAN	66.9	66.7	130	475	335	187	204	182	239	146	133	87.6
MAX	207	90	450	2600	1770	270	600	500	1520	298	366	122
MIN	48	60	68	160	178	145	110	110	122	105	86	75
CFSM	.58	.58	1.12	4.10	2.89	1.61	1.76	1.57	2.06	1.26	1.15	.76
IN.	.66	.64	1.29	4.72	3.01	1.85	1.96	1.81	2.30	1.45	1.32	.84

CAL YR 1981 TOTAL 37823 MEAN 104 MAX 532 MIN 45 CFSM .90 IN 12.13
WTR YR 1982 TOTAL 68202 MEAN 187 MAX 2600 MIN 48 CFSM 1.61 IN 21.87

Santee River Basin

65

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

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

DRAINAGE AREA.--79.4 mi² (205.6 km²).

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

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

REMARKS.--Reservoir is formed by concrete dam, completed in 1960. Capacity is 7,400,000,000 gal (28.009 hm³). Spillway crest is 815 ft (248.4 m) NGVD. Water used as inflow to South Pacolet River Reservoir, capacity, 1,104,000,000 gal (4.179 hm³).

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

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 816.25 ft (248.793 m) Jan. 4; minimum, 812.07 ft (247.519 m) Oct. 24.

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

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

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	812.92	812.55	812.89	815.36	815.10	815.12	814.85	815.10	815.17	814.95	815.24	814.58
2	812.85	812.55	812.81	815.27	815.18	815.10	814.83	815.08	815.13	814.93	815.20	814.58
3	812.81	812.54	812.85	815.59	815.12	815.09	814.81	815.07	815.10	814.90	815.15	814.56
4	812.77	812.53	812.89	816.09	815.59	815.09	814.77	815.05	815.10	814.87	815.10	814.54
5	812.73	812.55	812.89	815.53	815.35	815.08	814.77	815.03	815.07	814.84	815.09	814.48
6	812.70	812.53	812.91	815.33	815.21	815.07	814.73	815.02	815.04	814.80	815.08	814.46
7	812.65	812.49	812.93	815.24	815.16	815.15	814.69	814.99	815.03	814.81	815.05	814.42
8	812.61	812.46	812.94	815.18	815.12	815.13	814.75	815.00	815.01	814.82	815.05	814.40
9	812.59	812.45	812.94	815.14	815.16	815.10	814.77	814.97	815.00	814.85	815.17	814.38
10	812.57	812.45	812.94	815.10	815.13	815.09	814.76	814.94	815.25	814.83	815.27	814.30
11	812.55	812.45	812.95	815.14	815.10	815.08	814.73	814.91	815.18	814.92	815.16	814.34
12	812.53	812.45	812.95	815.10	815.09	815.08	814.70	814.87	815.21	814.92	815.15	814.36
13	812.49	812.45	812.97	815.13	815.09	815.08	814.68	814.84	815.16	814.91	815.12	814.36
14	812.46	812.45	813.15	815.13	815.08	815.07	814.72	814.81	815.12	814.92	815.08	814.34
15	812.43	812.45	813.41	815.11	815.12	815.12	814.81	814.79	815.08	814.93	815.10	814.34
16	812.40	812.46	813.51	815.10	815.19	815.10	814.87	814.77	815.05	814.92	815.08	814.34
17	812.37	812.46	813.58	815.08	815.23	815.09	814.92	814.75	815.12	814.96	815.06	814.34
18	812.36	812.45	813.61	815.08	815.21	815.07	814.91	814.73	815.17	815.06	815.03	814.30
19	812.30	812.46	813.64	815.09	815.17	815.06	814.91	814.97	815.12	815.07	815.00	814.26
20	812.24	812.46	813.66	815.10	815.14	815.05	814.91	815.02	815.08	815.04	815.00	814.24
21	812.17	812.45	813.70	815.23	815.08	815.06	814.90	815.01	815.05	815.02	814.98	814.20
22	812.11	812.45	813.75	815.26	815.08	815.04	814.88	815.00	815.03	815.00	814.96	814.20
23	812.11	812.45	813.78	815.32	815.08	815.03	814.85	815.07	815.01	814.99	814.96	814.24
24	812.07	812.49	813.86	815.26	815.07	815.03	814.83	815.07	814.98	814.98	814.90	814.24
25	812.17	812.50	814.07	815.18	815.06	815.03	814.94	815.06	814.94	814.97	814.86	814.24
26	812.48	812.50	814.19	815.13	815.11	814.98	815.19	815.28	814.88	814.95	814.80	814.26
27	812.58	812.54	814.27	815.12	815.15	814.93	815.27	815.45	814.84	814.93	814.76	814.22
28	812.59	812.54	814.33	815.10	815.14	814.90	815.22	815.28	814.89	814.93	814.70	814.22
29	812.58	812.55	814.38	815.09	---	814.87	815.16	815.20	814.93	815.01	814.66	814.20
30	812.56	812.63	814.41	815.08	---	814.85	815.12	815.14	814.95	815.19	814.64	814.24
31	812.56	---	815.08	815.12	---	814.84	---	815.15	---	815.26	814.58	---
MAX	812.92	812.63	815.08	816.09	815.59	815.15	815.27	815.45	815.25	815.26	815.27	814.58
MIN	812.07	812.45	812.81	815.08	815.06	814.84	814.68	814.73	814.84	814.80	814.58	814.20
(+)	6.15	6.18	7.34	7.36	7.37	7.22	7.36	7.38	7.28	7.43	7.09	6.92
(*)	-8.98	1.55	57.90	1.00	.55	-7.49	7.22	1.00	-5.16	7.49	-16.97	-8.77
CAL YR 1981	* 8.73		MAX	815.47	MIN	810.03						
WTR YR 1982	* 2.50		MAX	816.09	MIN	812.07						

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

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

SANTEE RIVER BASIN

02155500 PACOLET RIVER NEAR FINGERVILLE, S.C.

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

DRAINAGE AREA.--212 mi² (549 km²).

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

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

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

REMARKS.--Records good, except those for periods of no gage-height record, July 5 to Aug. 6 which are poor. Some regulation by South Pacolet River Reservoir and Lake William C. Bowen (see preceding page). Some diurnal fluctuation caused by mill on North Pacolet River. About 39.7 ft³/s (1.12 m³/s) per day diverted above station for City of Spartanburg water supply during water year.

AVERAGE DISCHARGE.--53 years, 352 ft³/s (9.969 m³/s), 22.55 in/yr (573 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,800 ft³/s (646 m³/s) Aug. 14, 1940, gage height, 22.43 ft (6.837 m), from rating curve extended above 9,600 ft³/s (272 m³/s) by velocity-area studies; minimum daily, 32 ft³/s (0.91 m³/s) Oct. 6, 7, 1954.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,920 ft³/s (139 m³/s) Feb. 4, gage height, 7.45 ft (2.271 m); minimum daily, 58 ft³/s (1.64 m³/s) Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	88	150	1330	271	379	179	304	205	150	650	130
2	62	86	273	685	308	352	197	310	340	142	350	147
3	60	83	144	992	2690	334	237	291	258	140	250	160
4	62	82	116	3730	3300	322	272	228	211	132	210	135
5	64	86	102	2570	1110	305	280	208	174	128	200	123
6	62	97	95	836	707	262	259	216	145	125	190	121
7	60	88	93	573	518	378	194	231	137	160	186	119
8	58	98	91	437	421	420	184	209	137	190	183	112
9	60	115	88	382	468	353	258	208	132	150	248	100
10	68	94	86	313	541	329	244	231	180	170	393	96
11	72	81	84	193	438	298	225	227	336	260	376	98
12	70	80	82	187	376	256	216	195	309	230	258	104
13	68	79	81	189	299	243	220	163	317	220	258	102
14	66	77	122	194	284	260	209	160	248	240	214	104
15	68	82	258	209	276	306	237	155	195	230	214	108
16	66	80	260	207	383	329	251	147	190	270	198	110
17	64	79	173	207	751	301	256	137	220	240	189	96
18	66	77	131	189	606	292	334	152	2600	210	172	92
19	68	77	115	181	456	288	279	158	1700	350	163	116
20	64	79	103	182	423	231	247	189	500	280	150	108
21	67	79	100	304	375	222	210	186	300	230	140	102
22	70	76	106	513	326	236	180	183	221	200	135	112
23	74	76	107	614	315	229	173	183	195	170	132	100
24	80	82	117	633	275	229	171	227	163	180	130	96
25	87	84	210	504	265	229	238	177	169	200	130	94
26	207	81	271	455	259	232	594	150	214	170	119	98
27	299	81	182	296	321	225	943	1010	214	160	104	106
28	144	79	162	285	403	219	673	618	183	160	104	100
29	104	80	157	189	---	220	547	460	195	190	108	92
30	92	81	145	173	---	188	369	393	166	300	123	130
31	88	---	477	183	---	167	---	217	---	550	123	---
TOTAL	2604	2507	4681	17935	17165	8634	8876	7923	10554	6527	6400	3311
MEAN	84.0	83.6	151	579	613	279	296	256	352	211	206	110
MAX	299	115	477	3730	3300	420	943	1010	2600	550	650	160
MIN	58	76	81	173	259	167	171	137	132	125	104	92
CFSM	.40	.39	.71	2.73	2.89	1.32	1.40	1.21	1.66	1.00	.97	.52
IN.	.46	.44	.82	3.15	3.01	1.52	1.56	1.39	1.85	1.15	1.12	.58

CAL YR 1981 TOTAL 51772 MEAN 142 MAX 636 MIN 58 CFSM .67 IN 9.08
WTR YR 1982 TOTAL 97117 MEAN 266 MAX 3730 MIN 58 CFSM 1.26 IN 17.04

67

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

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 213 ft³/s (6.03 m³/s) May 23, 1980, gage height, 7.86 ft (2.396 m); minimum daily, 2.0 ft³/s (0.057 m³/s) Oct. 8, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 137 ft³/s (3.88 m³/s) Feb. 3, gage height, 6.25 ft (1.905 m); minimum daily, 2.0 ft³/s (0.057 m³/s) Oct. 8.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	4.0	24	19	8.4	13	7.4	8.0	17	7.6	15	6.1
2	3.0	3.9	9.0	21	14	11	7.2	7.8	10	7.4	9.6	5.8
3	2.9	3.9	5.2	46	99	10	7.6	7.6	8.4	7.2	8.4	5.6
4	2.9	3.9	4.7	50	28	9.4	6.8	7.0	8.8	7.4	8.0	5.3
5	2.9	5.6	4.4	20	17	8.8	7.6	6.7	8.6	7.4	19	5.1
6	2.3	4.7	4.2	14	14	8.6	7.2	6.2	7.4	6.8	19	5.1
7	2.2	4.1	4.2	11	12	16	6.8	6.0	6.8	7.6	9.2	4.9
8	2.0	4.0	4.1	8.4	11	10	12	5.8	6.8	9.6	9.0	4.7
9	2.1	3.8	3.9	7.4	18	9.0	11	5.7	6.7	9.0	9.2	4.7
10	2.2	3.6	3.9	6.4	13	8.6	7.6	5.5	40	13	50	4.8
11	2.4	3.6	3.9	5.8	11	8.4	7.2	5.4	18	9.2	17	5.6
12	2.4	3.6	3.8	5.6	10	8.2	7.2	5.4	13	7.8	12	5.4
13	2.4	3.5	3.8	5.8	10	8.2	7.2	5.3	13	9.9	13	5.1
14	2.3	3.6	15	6.4	9.4	8.0	7.0	5.3	9.6	6.7	10	5.2
15	2.3	3.6	11	6.8	11	13	7.0	5.6	8.8	6.7	9.0	5.1
16	2.3	3.5	8.0	6.6	21	9.4	9.0	5.4	8.6	8.6	8.2	4.9
17	2.4	3.6	5.2	6.2	17	8.8	9.2	5.4	9.4	7.8	8.0	4.7
18	2.9	3.5	3.6	5.8	12	8.2	7.4	5.4	8.8	6.8	8.2	4.6
19	2.8	3.5	3.2	7.1	12	8.2	7.0	10	8.6	6.5	8.0	4.6
20	2.7	3.6	2.9	9.4	10	8.0	7.0	16	8.0	6.2	7.6	4.7
21	2.9	3.4	2.9	13	9.6	14	7.0	6.8	7.8	6.0	7.4	4.5
22	3.1	3.5	2.8	18	8.8	9.0	7.0	7.4	7.8	14	7.2	4.5
23	4.0	3.4	3.0	19	8.6	8.2	6.8	12	7.6	8.4	7.0	4.4
24	3.6	4.8	3.2	14	8.2	7.8	6.8	13	7.8	7.4	6.7	4.4
25	9.2	3.8	3.5	14	8.0	7.8	11	7.2	7.2	6.8	6.7	4.4
26	31	3.8	5.0	8.9	8.8	8.0	24	7.4	7.4	6.7	6.5	4.6
27	20	3.8	5.0	8.7	18	7.4	27	55	7.2	6.5	6.5	4.7
28	5.7	3.8	4.3	7.1	16	7.2	13	20	7.2	6.4	6.4	4.6
29	4.8	3.6	4.0	5.8	---	7.2	9.6	15	11	8.8	6.4	4.5
30	4.5	5.8	3.7	6.1	---	7.2	8.4	18	9.2	40	6.2	4.4
31	4.2	---	6.7	6.8	---	7.4	---	15	---	16	6.2	---
TOTAL	143.4	116.8	172.1	390.1	443.8	284.0	277.0	312.3	306.5	286.2	330.6	147.0
MEAN	4.63	3.89	5.55	12.6	15.9	9.16	9.23	10.1	10.2	9.23	10.7	4.90
MAX	31	5.8	24	50	99	16	27	55	40	40	50	6.1
MIN	2.0	3.4	2.8	5.6	8.0	7.2	6.8	5.3	6.7	6.0	6.2	4.4
CAL YR 1981	TOTAL	2001.6	MEAN	5.48	MAX	56	MIN	2.0				
WTR YR 1982	TOTAL	3209.8	MEAN	8.79	MAX	99	MIN	2.0				

SANTÉE RIVER BASIN

02156450 NEALS CREEK NEAR CARLISLE, S.C.

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

DRAINAGE AREA.--12.3 mi² (31.9 km²), approximately.

PERIOD OF RECORD.--October 1980 to current year, discharge below 300 ft³/s only.

GAGE.--Water-stage recorder. Altitude of gage is 320 ft (97.5 m) (from topographic map).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.71 ft (2.350 m) Dec. 31, 1981; minimum daily discharge, 1.2 ft³/s (0.03 m³/s) Oct. 2, 3, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.71 ft (2.350 m) Dec. 31; minimum daily discharge, 1.2 ft³/s (0.03 m³/s) Oct. 2, 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	2.1	7.6	64	23	61	8.8	8.0	19	2.9	7.6	3.2
2	1.2	2.2	6.7	13	16	40	8.3	7.6	8.5	2.9	4.7	3.2
3	1.2	2.2	4.7	152	141	26	8.8	7.3	6.4	2.8	4.3	4.0
4	1.4	2.2	4.1	268	46	19	8.0	6.9	11	2.6	4.1	4.7
5	1.5	2.2	3.8	106	26	17	10	6.7	14	2.6	4.1	3.3
6	1.6	2.5	4.0	15	22	32	9.6	6.7	7.3	2.6	4.0	3.0
7	1.5	2.5	3.8	10	17	60	8.0	6.4	5.8	2.5	3.8	3.0
8	1.5	2.5	3.8	8.3	15	35	10	6.4	5.4	2.4	7.1	2.8
9	1.7	2.5	3.8	7.8	16	24	16	5.8	5.2	2.5	4.8	2.9
10	2.1	2.6	3.8	6.9	16	20	10	5.6	6.2	2.6	4.1	2.9
11	2.2	2.6	4.5	8.3	14	18	9.3	5.4	6.9	2.9	4.5	3.6
12	2.1	2.6	4.5	10	13	16	8.3	5.2	6.0	3.6	9.0	3.2
13	2.1	2.8	4.7	8.0	16	15	7.8	5.2	5.8	11	8.8	2.9
14	2.1	2.9	14	7.8	14	13	7.8	5.4	5.6	4.3	5.2	2.9
15	2.2	2.9	50	7.8	13	36	7.6	5.4	5.4	3.8	4.1	2.9
16	2.4	2.9	21	8.8	16	36	7.1	5.2	5.6	3.5	4.0	2.8
17	2.5	2.9	9.3	10	78	23	7.6	5.0	5.4	3.3	4.0	2.6
18	2.4	2.8	6.9	10	32	19	7.6	4.8	5.4	3.2	7.6	2.8
19	2.5	2.8	5.6	14	24	17	6.4	4.8	5.4	3.2	6.0	2.8
20	2.5	2.9	6.4	17	20	15	6.9	5.0	5.2	3.0	4.7	2.8
21	2.6	2.8	6.9	60	17	14	6.7	4.8	5.2	3.0	4.1	2.8
22	2.6	2.9	5.4	34	15	13	6.4	25	6.9	3.3	3.8	2.8
23	2.9	2.9	5.2	44	14	12	6.2	26	6.0	4.3	3.8	2.6
24	3.0	3.8	5.2	41	14	12	6.0	7.6	134	10	3.6	2.5
25	4.8	3.0	68	22	13	12	7.8	5.6	10	5.4	3.6	2.6
26	5.6	2.9	27	17	13	11	21	7.8	3.8	4.3	3.5	3.2
27	12	3.2	14	14	80	9.8	36	5.8	2.5	4.1	3.6	2.9
28	3.5	3.3	10	13	74	9.6	18	5.8	7.1	4.3	3.6	2.5
29	2.4	3.0	9.8	12	---	9.3	12	6.0	4.8	4.8	3.5	2.5
30	2.2	4.1	8.3	12	---	9.3	9.0	5.0	3.3	4.1	3.3	2.5
31	2.2	---	---	14	---	8.8	---	5.0	---	7.1	3.2	---
TOTAL	82.0	83.5	---	1035.7	818	662.8	303.0	223.2	329.1	122.9	146.1	89.2
MEAN	2.65	2.78	---	33.4	29.2	21.4	10.1	7.20	11.0	3.96	4.71	2.97
MAX	12	4.1	---	268	141	61	36	26	134	11	9.0	4.7
MIN	1.2	2.1	---	6.9	13	8.8	6.0	4.8	2.5	2.4	3.2	2.5

02156500 BROAD RIVER NEAR CARLISLE, S.C.

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

DRAINAGE AREA.--2,790 mi² (7,230 km²), approximately.

WATER-DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.--44 years, 4,041 ft³/s (114.4 m³/s), 19.67 in/yr (500 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 123,000 ft³/s (3,483 m³/s) Oct. 10, 1976, gage height, 31.51 ft (9.604 m), from rating curve extended above 66,000 ft³/s (1,869 m³/s) on basis of computation of peak flow over Neals Shoals Dam; minimum, 37 ft³/s (1.05 m³/s), Aug. 29, 1955; minimum daily, 44 ft³/s (1.25 m³/s) Sept. 2, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 25,000 ft³/s (708 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
Jan. 5	0300	*39,700	1,120	*17.89	5.453
Feb. 5	0400	29,700	841	14.92	4.548

Minimum discharge, 199 ft³/s (5.64 m³/s) Oct. 4; minimum daily, 474 ft³/s (13.4 m³/s) Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	749	1190	1540	23000	3450	7340	2600	4630	4490	2580	3300	1320
2	713	1220	2880	12800	3780	6460	2540	3730	5270	2280	4670	1410
3	690	1650	3310	11900	6820	5170	2750	3030	4720	2180	4150	1670
4	474	1090	2020	27500	23200	4430	2680	2940	3660	1950	2540	1820
5	780	1300	2000	33300	23600	4090	2500	3020	3410	1660	2290	1640
6	848	1460	1560	15900	11200	4110	2340	2840	3300	1420	2230	1230
7	787	1300	1570	10600	7950	5000	2780	2530	2760	1690	2060	1190
8	865	1310	1210	7530	5840	5900	2660	2850	2010	1710	2190	1460
9	879	1160	1480	5840	4950	5710	3310	2430	2280	1770	1980	1320
10	863	1200	1670	4680	4970	5190	3560	2240	1670	2710	2270	1150
11	983	1280	1220	4160	5210	4480	2800	2160	3780	2270	2900	1420
12	792	1070	1230	3450	4670	4070	2370	2330	4470	1870	4890	1440
13	854	1560	1440	3350	3990	3820	2700	2300	3260	2850	5060	1340
14	900	1040	2320	3270	3930	3700	2880	2250	3590	2730	3450	1410
15	1040	1120	4400	3400	3360	3740	2690	2390	4100	4000	2750	1380
16	1080	1350	7550	3330	3510	4320	2760	2030	3160	3780	2160	1400
17	1070	1340	5110	3240	8650	4510	2760	1790	2380	3430	2060	1350
18	770	1030	3030	3180	11200	4280	3130	1900	2970	3220	2100	790
19	898	1250	2150	3000	7500	3670	2930	2160	3150	2270	1980	1320
20	1120	1290	2000	3100	6190	3580	3300	2310	4070	2410	1990	1230
21	872	1240	2000	3470	5250	3430	2820	2590	2730	2480	2090	1090
22	839	1030	1400	4750	4320	2820	2580	3030	2360	2460	1870	1140
23	1140	1290	2150	5650	3830	2780	2520	3540	2090	2270	1350	1180
24	880	1290	1980	6870	3710	2940	2800	3000	5730	2480	1740	1470
25	1860	1270	4670	7260	3580	2670	2750	3260	2810	2530	1490	1150
26	1950	1200	5190	6310	3420	2530	3300	3870	2370	1980	1490	1450
27	3360	1250	4290	5290	3920	2700	6780	4570	2300	2150	1790	1050
28	3630	1260	3050	4020	7570	2510	9900	5650	2320	1780	1680	1390
29	2080	1430	2620	3170	---	2330	6940	5920	2900	1690	1580	1180
30	1750	1420	2710	3190	---	2230	5360	5310	2850	2550	1280	1340
31	1180	---	12000	2780	---	2690	---	4410	---	3400	1380	---
TOTAL	36696	37890	91750	239290	189570	123200	101390	97010	96960	74550	74760	39730
MEAN	1184	1263	2960	7719	6770	3974	3380	3129	3232	2405	2412	1324
MAX	3630	1650	12000	33300	23600	7340	9500	5920	5730	4000	5060	1820
MIN	474	1030	1210	2780	3360	2230	2340	1790	1670	1420	1280	790
CFSM	.42	.45	1.06	2.77	2.43	1.42	1.21	1.12	1.16	.86	.87	.48
IN.	.49	.51	1.22	3.19	2.53	1.64	1.35	1.29	1.29	.99	1.00	.53

CAL YR 1981	TOTAL	798362	MEAN	2187	MAX	14000	MIN	474	CFSM	.78	IN	10.64
WTR YR 1982	TOTAL	1202796	MEAN	3295	MAX	33300	MIN	474	CFSM	1.18	IN	16.04

SANTEE RIVER BASIN

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1973 to current year.

pH: October 1973 to current year.

WATER TEMPERATURE: October 1973 to current year.

DISSOLVED OXYGEN: October 1973 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

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

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 151 micromhos Sept. 18; minimum, 36 micromhos Feb. 7.

pH: Maximum, 7.9 units Nov. 25; minimum, 6.0 units several days Jan., Feb., Mar., Apr., May.

WATER TEMPERATURE: Maximum, 31.2°C July 28; minimum, 2.5°C Dec. 21.

DISSOLVED OXYGEN: Maximum, 12.2 mg/L Dec. 13; minimum, 4.4 mg/L June 13.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	108	103	105	93	90	92	105	95	99	49	46	48
2	110	108	109	93	89	91	97	93	95	50	46	48
3	111	108	109	105	93	100	---	---	---	---	---	---
4	111	107	108	111	100	107	---	---	---	---	---	---
5	113	108	110	113	101	106	---	---	---	43	42	43
6	127	114	122	108	99	102	---	---	---	46	43	44
7	127	118	124	114	103	109	---	---	---	49	46	47
8	129	124	126	114	101	109	---	---	---	59	49	54
9	128	123	125	110	105	107	---	---	---	63	59	61
10	124	117	120	110	102	107	96	90	93	66	63	64
11	118	114	116	113	105	109	104	95	97	69	65	67
12	116	108	112	113	107	110	107	91	98	75	69	72
13	113	107	110	108	100	104	94	88	91	---	---	---
14	121	109	115	108	99	104	98	91	93	---	---	---
15	130	117	122	104	99	102	93	74	83	---	---	---
16	132	116	126	104	95	100	74	70	72	---	---	---
17	123	114	119	112	97	107	77	71	73	---	---	---
18	123	119	120	118	111	115	81	72	75	81	80	81
19	121	113	117	120	107	115	76	74	75	82	80	81
20	125	112	120	118	99	109	81	75	77	82	79	81
21	139	120	125	107	100	105	85	79	81	81	72	76
22	135	126	129	108	101	104	83	79	81	76	74	75
23	132	120	126	103	97	100	85	79	82	80	76	78
24	123	118	121	105	99	102	87	85	86	79	75	77
25	123	117	121	112	103	107	93	65	74	78	66	75
26	123	109	118	114	98	106	72	68	70	67	50	56
27	112	95	103	---	---	---	76	70	74	56	54	55
28	96	86	92	101	98	99	68	63	65	60	59	59
29	85	81	83	104	98	101	66	64	65	65	63	64
30	83	81	82	100	95	98	67	65	66	69	68	68
31	89	83	86	---	---	---	69	40	57	73	72	72

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	75	75	75	57	50	55	84	79	81	60	54	58
2	78	75	77	60	51	56	81	72	75	61	58	60
3	81	73	78	68	54	62	79	75	77	60	59	59
4	81	45	65	70	68	68	83	76	79	62	59	60
5	48	44	47	72	69	70	82	78	79	63	61	62
6	51	48	49	72	68	70	88	74	78	65	62	64
7	51	36	42	74	65	68	77	70	83	71	64	67
8	45	38	41	67	63	65	83	71	76	79	71	74
9	39	37	38	67	65	66	85	79	81	78	75	76
10	39	38	39	68	64	65	86	84	85	78	74	75
11	57	40	50	75	66	69	87	82	85	78	73	74
12	48	45	46	80	75	77	83	79	81	77	71	73
13	51	47	48	84	80	81	80	76	78	75	71	73
14	54	51	53	85	84	84	79	73	76	77	70	72
15	55	53	54	88	84	85	75	72	73	82	74	77
16	57	56	56	85	80	82	77	73	75	85	80	82
17	65	53	57	82	77	81	---	---	---	83	77	80
18	61	58	60	82	79	80	72	68	70	87	82	85
19	61	59	59	84	82	83	67	65	66	84	81	82
20	62	61	61	87	82	85	77	66	71	83	77	80
21	63	60	61	90	88	89	68	55	61	83	77	80
22	67	64	66	93	89	91	61	57	58	84	74	77
23	68	66	67	91	87	89	78	56	64	73	69	70
24	69	67	67	88	80	86	82	75	78	74	68	71
25	70	67	68	86	84	85	86	79	81	73	69	71
26	73	71	71	86	79	82	87	80	83	75	64	67
27	74	63	69	84	81	83	79	52	62	84	62	65
28	76	50	57	86	79	82	79	65	70	87	60	70
29	---	---	---	82	77	79	66	56	61	58	50	52
30	---	---	---	80	75	78	57	52	53	56	53	55
31	---	---	---	83	80	81	---	---	---	57	55	56
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	63	54	56	78	71	75	81	70	75	87	80	84
2	62	56	59	74	70	72	77	61	70	87	80	84
3	67	48	57	78	71	74	62	57	59	87	80	83
4	86	64	80	84	78	80	63	57	59	81	77	78
5	86	83	84	87	80	84	69	60	64	86	80	84
6	91	85	89	87	86	86	---	---	---	87	80	84
7	97	78	91	89	84	86	---	---	---	86	80	82
8	96	80	88	87	80	84	---	---	---	82	80	81
9	---	---	---	85	80	82	---	---	---	80	76	77
10	---	---	---	83	76	79	70	60	65	87	67	75
11	97	82	94	76	70	73	67	60	63	86	67	70
12	97	86	89	77	70	74	62	40	52	85	70	79
13	93	87	91	72	67	69	55	44	50	87	84	85
14	94	86	90	67	60	65	62	49	57	144	89	102
15	86	73	81	65	50	59	62	59	60	95	82	87
16	79	77	78	57	50	53	67	60	64	86	80	82
17	84	69	79	62	58	60	67	60	64	120	84	91
18	92	85	89	65	60	62	66	60	62	151	89	120
19	93	87	91	69	61	65	67	60	63	97	89	92
20	88	79	83	72	69	70	71	65	67	100	97	97
21	84	80	82	72	67	69	74	70	72	97	90	93
22	89	84	86	72	67	69	75	70	72	95	90	93
23	91	88	89	83	70	76	84	71	77	96	94	95
24	99	50	66	90	77	82	80	70	77	97	90	94
25	76	59	68	92	86	89	80	71	77	95	90	93
26	87	77	81	87	84	85	76	70	73	94	85	89
27	90	86	87	86	80	83	77	70	74	96	90	92
28	89	81	85	81	77	79	81	74	77	97	90	94
29	86	80	84	83	77	80	77	74	76	101	97	99
30	84	74	78	82	71	79	85	77	81	99	94	97
31	---	---	---	76	65	70	86	80	84	---	---	---
YEAR	151	36	80									

SANTEE RIVER BASIN

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

pH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER			NOVEMBER		DECEMBER		JANUARY	
1	6.6	6.5	6.7	6.6	6.9	6.9	6.3	6.1
2	6.7	6.6	6.7	6.7	6.9	6.8	6.4	6.1
3	6.7	6.6	6.7	6.7	---	---	6.6	6.1
4	6.7	6.6	6.8	6.7	---	---	---	---
5	6.8	6.6	6.8	6.7	---	---	6.1	6.0
6	6.7	6.6	6.8	6.7	---	---	6.2	6.0
7	6.8	6.7	6.9	6.7	---	---	6.3	6.2
8	6.9	6.7	6.8	6.7	---	---	6.4	6.1
9	6.9	6.8	6.9	6.8	---	---	6.6	6.4
10	6.8	6.8	6.8	6.8	7.3	7.1	6.7	6.6
11	6.9	6.8	7.0	6.8	7.7	7.0	6.9	6.3
12	6.9	6.8	7.0	6.9	7.7	7.0	6.6	6.4
13	6.9	6.9	7.0	6.9	7.9	7.0	6.9	6.4
14	7.0	6.9	7.1	7.0	7.0	6.9	---	---
15	7.0	6.9	7.1	7.0	6.9	6.7	---	---
16	7.1	6.8	7.0	6.9	6.7	6.6	---	---
17	7.0	6.8	7.1	6.9	6.7	6.5	---	---
18	7.0	6.9	7.2	7.0	6.7	6.5	6.8	6.6
19	6.9	6.8	7.3	7.0	6.8	6.7	6.6	6.5
20	6.9	6.8	7.3	6.9	6.9	6.8	6.6	6.5
21	7.0	6.9	7.6	7.0	6.9	6.8	6.6	6.5
22	7.0	6.9	7.7	7.0	6.9	6.8	6.5	6.4
23	6.9	6.7	7.4	7.0	6.9	6.8	6.5	6.4
24	6.9	6.8	7.4	6.9	6.9	6.8	6.5	6.4
25	6.9	6.8	7.9	7.0	6.8	6.6	6.6	6.4
26	6.8	6.7	7.8	7.0	6.7	6.5	6.6	6.5
27	6.7	6.6	---	---	6.6	6.5	6.6	6.6
28	6.6	6.5	7.7	7.2	6.7	6.5	6.7	6.4
29	6.6	6.5	7.5	6.9	6.6	6.6	6.7	6.7
30	6.6	6.6	7.0	6.8	6.7	6.6	6.8	6.7
31	6.7	6.6	---	---	6.7	6.2	6.9	6.8

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
FEBRUARY			MARCH		APRIL		MAY	
1	7.0	6.9	6.5	6.4	6.4	6.3	6.2	6.1
2	6.9	6.4	6.6	6.4	6.4	6.3	6.2	6.0
3	6.6	6.2	6.5	6.4	6.4	6.3	6.0	6.0
4	6.4	6.0	6.5	6.5	6.4	6.3	6.1	6.0
5	6.3	6.1	6.5	6.4	6.4	6.3	6.0	6.0
6	6.3	6.2	6.5	6.5	6.4	6.3	6.5	6.0
7	6.5	6.3	6.5	6.4	6.4	6.3	6.6	6.3
8	6.4	6.3	6.5	6.4	6.5	6.4	6.5	6.4
9	6.4	6.3	6.5	6.4	6.4	6.3	6.6	6.4
10	6.4	6.3	6.6	6.4	6.4	6.3	6.7	6.4
11	6.5	6.3	6.5	6.4	6.4	6.3	6.8	6.4
12	6.5	6.4	6.4	6.3	6.4	6.3	6.9	6.6
13	6.5	6.4	6.4	6.0	6.4	6.3	6.9	6.4
14	6.5	6.3	6.4	6.0	6.3	6.3	6.9	6.0
15	6.5	6.4	6.3	6.3	6.3	6.3	6.7	6.3
16	6.4	6.3	6.4	6.3	6.3	6.3	6.6	6.3
17	6.5	6.3	6.4	6.3	---	---	6.7	6.2
18	6.5	6.3	6.3	6.3	6.3	6.2	6.8	6.2
19	6.5	6.3	6.4	6.0	6.4	6.2	6.7	6.5
20	6.5	6.4	6.3	6.0	6.3	6.0	6.6	6.4
21	6.5	6.4	6.3	6.0	6.3	6.2	6.6	6.5
22	6.6	6.4	6.3	6.2	6.2	6.2	6.6	6.4
23	6.6	6.4	6.3	6.0	6.6	6.2	6.4	6.3
24	6.6	6.5	6.4	6.3	6.4	6.3	6.4	6.3
25	6.6	6.4	6.3	6.2	6.4	6.3	6.4	6.4
26	6.6	6.6	6.4	6.3	6.3	6.2	6.4	6.3
27	6.6	6.5	6.4	6.3	6.4	6.2	6.4	6.3
28	6.6	6.5	6.4	6.3	6.4	6.3	6.4	6.3
29	---	---	6.4	6.3	6.4	6.1	6.3	6.2
30	---	---	6.5	6.4	6.2	6.1	6.3	6.2
31	---	---	6.4	6.3	---	---	6.4	6.3

SANTÉE RIVER BASIN

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

pH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	JUNE		JULY		AUGUST		SEPTEMBER	
1	6.4	6.3	6.5	6.4	6.5	6.3	6.6	6.5
2	6.4	6.3	6.4	6.4	6.5	6.1	6.6	6.6
3	6.4	6.2	6.5	6.4	6.2	6.1	6.6	6.5
4	6.2	6.2	6.5	6.4	6.2	6.0	6.6	6.5
5	6.2	6.1	6.5	6.4	6.1	6.1	6.6	6.5
6	6.1	6.1	6.6	6.4	---	---	6.6	6.5
7	6.3	6.1	6.6	6.4	---	---	6.6	6.5
8	6.4	6.1	6.6	6.5	---	---	6.7	6.5
9	6.2	6.1	6.6	6.4	---	---	6.6	6.6
10	6.2	6.1	6.5	6.4	6.9	6.5	6.6	6.1
11	6.6	6.2	6.5	6.4	6.6	6.5	6.5	6.1
12	6.2	6.1	6.5	6.4	6.6	6.2	6.5	6.3
13	6.1	6.1	6.5	6.4	6.5	6.3	6.4	6.4
14	6.2	6.1	6.4	6.3	6.6	6.3	6.7	6.4
15	6.2	6.1	6.4	6.2	6.6	6.5	6.5	6.3
16	6.2	6.1	6.3	6.2	6.5	6.4	6.5	6.4
17	6.3	6.1	6.3	6.3	6.5	6.4	6.6	6.3
18	6.2	6.1	6.3	6.2	6.6	6.5	6.9	6.5
19	6.2	6.2	6.3	6.2	6.6	6.5	6.6	6.5
20	6.2	6.1	6.3	6.3	6.6	6.5	6.6	6.5
21	6.2	6.1	6.4	6.3	6.7	6.5	6.6	6.6
22	6.2	6.1	6.4	6.3	6.6	6.4	6.7	6.6
23	6.2	6.1	6.4	6.0	6.5	6.4	6.7	6.6
24	6.2	6.0	6.4	6.0	6.5	6.4	6.7	6.6
25	6.4	6.1	6.5	6.3	6.6	6.4	6.8	6.6
26	6.5	6.4	6.3	6.2	6.5	6.5	6.7	6.6
27	6.5	6.4	6.4	6.2	6.5	6.5	6.8	6.6
28	6.5	6.4	6.4	6.2	6.6	6.5	6.9	6.6
29	6.5	6.4	6.4	6.3	6.6	6.5	6.8	6.6
30	6.5	6.4	6.4	6.3	6.5	6.5	6.9	6.7
31	---	---	6.3	6.2	6.6	6.5	---	---
YEAR	7.9	6.0	---	---	---	---	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25.5	21.2	23.2	16.0	14.4	15.2	10.5	9.7	10.0	6.1	5.8	5.9
2	24.2	19.7	22.6	16.4	14.4	15.4	10.4	9.2	9.6	---	---	---
3	21.6	17.7	19.5	16.6	14.8	15.8	---	---	---	---	---	---
4	21.5	17.0	19.0	17.4	14.9	16.1	---	---	---	---	---	---
5	21.1	16.9	19.3	17.6	16.1	16.7	---	---	---	7.9	7.5	7.7
6	22.2	19.1	20.8	17.9	16.0	16.8	---	---	---	8.2	7.3	7.6
7	21.8	20.0	20.9	16.7	14.4	15.7	---	---	---	9.1	7.5	8.3
8	21.1	19.0	20.1	15.9	13.5	14.9	---	---	---	8.9	8.3	8.7
9	19.6	18.1	19.1	14.4	13.0	13.9	---	---	---	8.6	7.5	8.0
10	19.3	18.5	18.8	14.1	13.3	13.7	7.4	6.0	6.8	7.3	4.6	6.0
11	19.0	18.0	18.5	14.8	12.7	13.4	6.9	4.9	5.8	---	---	---
12	18.4	16.9	17.7	13.6	11.7	12.5	6.1	4.3	5.1	---	---	---
13	18.1	16.3	17.2	12.5	11.0	11.7	5.6	3.9	4.9	---	---	---
14	18.0	15.6	16.9	12.2	9.7	10.9	5.4	4.9	5.2	---	---	---
15	18.5	15.8	17.1	12.2	9.3	10.7	6.3	5.3	5.9	---	---	---
16	19.3	16.0	17.6	11.2	9.5	10.3	9.0	6.1	7.4	---	---	---
17	19.0	17.0	17.9	11.9	10.6	11.1	8.6	7.9	8.3	---	---	---
18	19.1	17.7	18.3	12.5	9.8	11.1	6.6	6.0	6.3	3.9	3.4	3.6
19	18.1	16.0	17.0	12.9	10.2	11.6	6.0	4.6	5.4	4.1	3.6	3.9
20	17.7	14.7	16.1	14.4	11.8	13.0	5.1	3.4	4.2	5.0	4.0	4.5
21	17.8	14.4	16.1	12.6	10.8	11.6	3.9	2.5	3.2	6.2	5.0	5.7
22	17.8	15.0	16.6	11.7	9.7	10.7	4.7	3.1	3.9	6.6	6.1	6.2
23	17.2	16.1	16.6	11.4	9.0	10.3	6.5	4.3	5.6	6.2	6.0	6.1
24	15.9	14.7	15.1	11.1	9.4	10.2	7.4	6.1	6.9	6.5	5.7	6.0
25	14.8	14.1	14.4	10.7	8.6	9.5	9.8	7.4	8.6	6.8	5.0	5.9
26	14.0	13.4	13.7	12.0	8.3	9.9	10.0	7.0	8.7	7.4	6.6	7.1
27	15.0	13.4	14.3	---	---	---	12.2	9.6	11.0	7.0	6.3	6.7
28	15.9	14.5	15.2	12.0	10.3	11.2	10.1	7.8	9.6	6.8	5.7	6.3
29	16.9	15.2	15.9	11.0	9.4	10.2	8.4	7.6	7.9	7.2	6.0	6.6
30	16.2	14.9	15.5	11.0	10.4	10.7	7.9	6.9	7.4	7.8	6.8	7.3
31	16.0	14.9	15.3	---	---	---	7.0	5.6	6.3	8.6	7.8	8.2

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	9.0	7.9	8.5	8.7	6.6	7.6	16.1	14.0	15.0	18.6	16.6	17.7
2	8.6	7.9	8.3	10.1	7.5	8.9	16.6	15.4	16.2	18.9	17.2	18.2
3	7.9	6.5	7.3	10.7	9.5	10.1	17.9	16.6	17.1	19.8	18.0	19.0
4	8.7	6.9	7.8	10.9	10.5	10.7	17.9	16.4	17.1	20.4	18.8	19.8
5	8.3	7.5	7.9	12.4	10.7	11.6	16.6	15.5	16.2	20.6	19.2	19.9
6	8.6	7.6	8.1	12.6	12.2	12.4	16.0	14.4	15.4	21.6	19.9	20.7
7	9.3	8.1	8.6	12.4	10.8	11.7	14.7	13.5	14.2	22.3	20.6	21.4
8	9.6	8.0	8.8	10.6	9.5	10.0	14.2	12.1	13.5	21.9	21.1	21.5
9	9.2	8.6	8.8	10.4	8.8	9.7	13.8	12.4	13.0	22.3	20.7	21.5
10	9.6	8.3	9.0	11.1	9.6	10.4	13.6	12.1	12.8	22.6	20.1	21.3
11	9.9	8.6	9.2	12.0	10.6	11.4	14.6	12.4	13.8	22.7	20.4	21.5
12	9.2	8.4	8.9	13.3	11.4	12.5	15.8	13.5	14.7	23.1	20.2	21.8
13	9.8	8.6	9.1	15.2	12.4	14.2	16.9	14.9	16.0	24.1	21.4	22.7
14	9.8	8.4	9.1	15.5	14.9	15.3	17.7	16.5	17.0	24.9	22.2	23.4
15	10.5	8.9	9.7	15.3	13.8	14.5	18.6	17.6	18.1	24.6	22.3	23.6
16	11.8	10.4	11.0	13.7	12.2	12.9	19.1	18.1	18.5	25.8	23.4	24.5
17	13.2	11.7	12.3	12.5	11.9	12.2	---	---	---	26.3	23.3	24.6
18	11.4	10.6	11.0	13.9	12.1	13.1	19.4	18.4	18.9	27.0	23.8	25.3
19	10.5	9.7	10.2	15.8	13.9	14.8	18.6	17.1	18.2	25.7	24.8	25.4
20	10.5	9.2	10.0	17.3	15.8	16.7	19.7	16.9	17.5	25.9	24.2	25.0
21	12.3	9.9	11.1	18.2	17.0	17.5	17.1	16.6	16.9	26.1	24.4	25.2
22	11.9	10.8	11.2	18.5	17.1	17.7	16.7	15.7	16.4	26.2	24.6	25.3
23	11.5	9.8	10.8	17.8	17.1	17.4	16.7	15.2	15.9	25.7	23.8	24.8
24	12.4	10.3	11.6	17.1	15.9	16.5	16.7	14.9	16.0	25.2	24.5	24.8
25	12.6	11.6	12.2	16.8	15.7	16.2	16.6	16.1	16.3	25.5	24.5	25.0
26	12.2	9.2	10.7	16.9	15.5	16.3	17.4	16.3	16.9	25.3	24.7	24.9
27	9.1	6.8	7.8	15.9	14.4	15.3	18.5	17.2	17.9	25.0	24.0	24.6
28	6.9	6.5	6.6	14.4	12.9	13.9	18.6	17.5	18.1	25.6	24.6	25.1
29	---	---	---	13.5	12.1	12.9	18.5	17.1	17.8	25.0	23.6	24.0
30	---	---	---	14.0	12.1	13.2	18.3	17.0	17.7	26.0	24.1	25.3
31	---	---	---	14.3	12.4	13.6	---	---	---	26.8	25.1	26.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	26.8	25.5	26.2	28.3	27.1	27.8	27.2	26.4	26.8	26.0	25.1	25.6
2	26.6	25.1	25.9	28.7	27.3	27.9	27.5	26.0	26.8	27.7	25.4	26.4
3	25.9	25.1	25.6	29.5	27.0	28.3	27.9	26.0	26.9	27.7	25.5	26.7
4	25.3	23.5	24.6	29.9	27.8	28.8	29.1	26.5	27.8	27.5	26.0	26.8
5	25.0	24.1	24.5	30.0	28.0	29.0	28.7	27.5	27.9	26.5	24.7	25.6
6	25.6	24.6	25.1	29.6	27.7	28.7	---	---	---	25.7	23.7	24.9
7	26.1	24.6	25.2	29.8	27.4	28.6	---	---	---	25.7	23.7	25.0
8	27.1	24.9	26.0	29.8	27.7	28.6	---	---	---	25.7	23.7	24.8
9	27.5	25.6	26.6	30.0	27.6	28.8	---	---	---	25.1	23.5	24.4
10	28.2	26.2	26.8	28.7	27.9	28.2	28.6	27.0	28.1	25.0	24.0	24.4
11	27.2	26.4	26.8	28.7	27.1	27.8	27.6	26.7	27.2	24.9	23.7	24.2
12	26.4	25.4	25.7	28.7	27.0	27.8	27.0	25.0	26.5	25.6	23.4	24.6
13	25.3	24.9	25.1	28.1	27.0	27.5	26.2	25.1	25.7	25.5	24.5	24.9
14	25.2	24.7	24.0	28.2	27.0	27.6	26.5	24.9	25.8	25.2	24.0	24.6
15	25.1	24.5	24.9	27.9	26.9	27.3	27.5	25.7	26.5	26.2	24.0	25.1
16	26.2	24.9	25.6	27.5	26.5	27.0	28.1	26.1	27.3	26.9	24.7	25.8
17	26.8	25.9	26.3	28.0	27.0	27.6	28.1	26.7	27.4	27.0	25.0	26.3
18	26.4	25.8	26.1	28.7	27.0	28.0	27.4	26.0	26.6	28.9	25.7	27.2
19	26.7	25.7	26.2	29.3	27.8	28.5	27.5	25.0	26.4	27.5	25.7	26.5
20	26.1	25.6	25.9	30.0	28.5	29.1	28.6	25.9	27.4	26.7	25.0	26.0
21	26.3	25.3	25.8	30.2	28.5	29.4	28.5	26.7	27.8	25.7	24.9	25.2
22	26.3	25.3	25.7	30.2	29.0	29.5	28.0	26.4	27.5	25.1	23.5	24.4
23	26.2	25.0	25.7	29.0	28.1	28.6	28.6	26.5	27.7	24.4	21.9	23.1
24	25.7	23.4	24.3	28.1	27.0	27.6	29.1	26.5	27.9	23.0	21.0	22.1
25	26.1	24.2	25.2	28.6	27.0	27.9	29.2	27.4	28.6	22.9	20.7	21.9
26	27.3	25.4	26.4	30.2	27.5	29.1	28.7	26.7	27.8	21.9	20.7	21.2
27	27.6	25.6	27.0	30.9	28.6	29.9	28.6	26.9	27.8	22.2	20.0	21.1
28	27.5	26.4	26.8	31.2	29.4	30.5	28.4	26.6	27.6	22.4	20.1	21.3
29	27.4	26.1	26.8	30.7	29.0	29.6	28.0	25.7	26.4	22.5	19.9	21.4
30	28.0	26.3	27.3	29.9	27.9	29.0	26.7	24.7	25.8	22.4	20.4	21.4
31	---	---	---	27.5	26.7	27.0	26.5	25.0	25.7	---	---	---
YEAR	31.2	2.5	18.1									

SANTEE RIVER BASIN

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

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	9.5	9.0	9.3	10.1	9.6	9.9	8.2	7.0	7.6	7.1	6.7	7.0
2	9.6	9.4	9.5	9.8	9.1	9.5	7.9	7.0	7.5	6.9	6.5	6.8
3	10.4	9.3	9.7	9.2	8.8	9.1	7.5	6.7	7.2	6.8	6.3	6.6
4	11.9	10.7	11.3	9.2	8.6	8.9	7.8	6.9	7.4	6.6	6.2	6.4
5	11.7	10.8	11.2	8.9	8.6	8.8	7.5	7.1	7.4	6.4	6.0	6.3
6	10.8	9.7	10.2	8.7	8.4	8.6	9.4	7.7	8.5	7.4	6.0	6.6
7	10.2	9.5	9.8	8.9	8.2	8.7	9.6	8.4	9.0	7.4	6.0	6.7
8	9.8	9.4	9.6	9.5	8.9	9.2	8.8	6.6	7.8	7.3	7.0	7.2
9	9.5	9.3	9.4	9.9	9.2	9.5	7.7	6.8	7.1	7.4	6.0	7.0
10	9.5	9.2	9.4	9.5	8.5	9.0	7.5	6.9	7.2	7.4	6.0	6.8
11	9.3	8.7	9.0	8.7	7.8	8.3	7.8	6.8	7.3	7.4	6.0	6.8
12	8.8	8.1	8.5	7.9	7.2	7.5	8.4	6.8	7.6	7.4	6.0	6.8
13	8.2	7.8	8.0	7.3	6.7	7.1	8.0	6.9	7.5	7.4	6.2	6.8
14	8.1	7.7	7.9	6.8	6.4	6.7	7.3	6.5	7.0	7.4	4.6	6.6
15	7.8	7.2	7.6	6.9	6.5	6.7	7.2	6.3	6.7	7.5	4.7	6.2
16	7.2	6.3	6.9	7.5	7.0	7.4	6.1	5.4	5.8	7.1	4.9	6.1
17	8.4	6.3	7.8	7.8	7.0	7.5	---	---	---	7.6	5.0	6.4
18	8.7	8.3	8.5	7.3	6.8	7.1	---	---	---	7.3	6.5	6.9
19	8.3	7.8	8.2	7.0	6.2	6.7	9.0	5.4	7.2	7.0	6.2	6.6
20	8.1	7.0	7.6	6.7	5.8	6.3	8.5	5.8	6.8	6.6	6.0	6.4
21	8.2	7.5	7.9	6.0	5.7	5.9	8.3	5.7	6.3	6.6	6.0	6.2
22	8.8	8.1	8.4	5.9	5.7	5.9	7.5	6.9	7.3	6.3	6.0	6.1
23	8.6	8.2	8.5	6.9	5.8	6.4	8.7	6.0	7.4	5.9	4.6	5.3
24	8.7	8.2	8.5	7.2	5.6	6.4	7.2	6.2	6.7	6.2	5.1	5.7
25	8.6	7.5	8.1	6.2	5.8	6.1	7.2	6.4	6.8	6.6	6.0	6.3
26	8.0	7.3	7.8	6.9	6.1	6.4	6.8	6.4	6.7	6.0	5.8	5.9
27	9.4	7.3	8.2	7.3	6.6	7.0	8.1	4.6	6.6	6.7	5.2	6.0
28	10.2	8.8	10.0	8.3	6.6	7.8	8.7	7.8	8.4	7.1	4.5	5.8
29	---	---	---	8.9	8.1	8.5	8.6	7.1	8.4	6.9	6.5	6.7
30	---	---	---	9.3	8.1	8.7	7.1	6.9	7.0	6.7	6.3	6.6
31	---	---	---	8.2	7.3	7.9	---	---	---	6.3	6.0	6.2

SANTEE RIVER BASIN

77

02157000 NORTH TYGER RIVER NEAR FAIRMONT, S.C.

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

DRAINAGE AREA.--44.4 mi² (115 km²).

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

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

REMARKS.--Records poor. Periods of no gage height record, Dec. 9 to Feb. 1, Feb. 16 to Mar. 31, June 26 to Aug. 5, and Aug. 14 to Sept. 30.

AVERAGE DISCHARGE.--32 years, 66.0 ft³/s (1.869 m³/s), 20.19 in/yr (513 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,610 ft³/s (102 m³/s) May 26, 1959, gage height, 13.58 ft (4.139 m), from rating curve extended above 2,100 ft³/s (59.5 m³/s); minimum, 6.0 ft³/s (0.17 m³/s) Sept. 19, 20, 1954; minimum daily, 7.0 ft³/s (0.20 m³/s) Sept. 19, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 700 ft³/s (19.8 m³/s) and maximum (*):

Date	Time	Discharge		Gage height	
		(ft ³ /s)	(m ³ /s)	(ft)	(m)
Jan. 4	Unknown	*1,580	44.7	*8.30	2.530
Feb. 3	1315	900	25.5	5.20	1.585

Minimum daily, 8.3 ft³/s (0.24 m³/s) Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	27	75	270	74	140	37	46	120	27	150	37
2	14	25	76	200	65	130	34	42	83	24	120	36
3	11	24	52	400	641	100	38	40	67	22	93	35
4	10	23	42	1000	447	64	36	36	62	22	71	34
5	9.5	27	38	480	165	72	34	35	61	21	54	34
6	9.0	30	35	250	124	90	34	33	52	20	47	33
7	8.5	26	34	160	93	85	32	31	46	22	43	32
8	8.3	23	32	90	84	81	41	34	44	24	43	31
9	8.6	23	29	62	90	72	59	31	41	27	46	31
10	9.3	23	27	42	93	58	43	31	83	26	88	32
11	9.8	23	26	27	84	52	38	30	97	28	72	34
12	9.6	22	28	18	72	49	36	29	64	26	65	35
13	9.2	21	56	13	67	49	35	28	77	24	70	34
14	9.0	21	120	14	66	56	32	27	60	22	69	33
15	8.8	22	250	15	62	58	31	25	52	21	58	32
16	9.2	22	140	15	300	57	38	25	50	20	55	31
17	11	23	86	15	150	54	44	26	58	20	54	30
18	12	22	48	16	65	49	45	29	48	19	52	30
19	13	22	39	20	62	47	36	27	44	18	49	30
20	13	25	39	170	60	45	38	112	40	19	48	29
21	12	23	42	250	52	44	33	57	37	30	47	29
22	13	22	40	180	50	43	33	48	37	54	45	29
23	14	22	43	160	43	41	34	107	38	100	44	29
24	16	25	78	150	41	40	31	120	56	100	43	30
25	25	25	110	120	50	39	33	68	41	60	43	30
26	88	25	90	100	92	39	108	117	48	40	42	31
27	88	24	68	85	150	37	117	150	57	22	41	32
28	45	26	49	72	143	35	81	100	58	26	39	32
29	36	25	42	64	---	35	59	91	45	39	38	30
30	32	27	46	60	---	35	49	165	35	67	37	30
31	29	---	400	64	---	36	---	110	---	100	37	---
TOTAL	607.8	718	2280	4582	3490	1832	1339	1850	1701	1090	1803	955
MEAN	19.6	23.9	73.5	148	125	59.1	44.6	59.7	56.7	35.2	58.2	31.8
MAX	88	30	400	1000	641	140	117	165	120	100	150	37
MIN	8.3	21	26	13	41	35	31	25	35	18	37	29
CFSM	.44	.54	1.66	3.33	2.82	1.33	1.01	1.35	1.28	.79	1.31	.72
IN.	.51	.60	1.91	3.84	2.92	1.53	1.12	1.55	1.43	.91	1.51	.80

CAL YR 1981 TOTAL 13029.8 MEAN 35.7 MAX 400 MIN 8.3 CFSM .80 IN 10.92
WTR YR 1982 TOTAL 22247.8 MEAN 61.0 MAX 1000 MIN 8.3 CFSM 1.37 IN 18.64

SANTEE RIVER BASIN

02160105 TYGER RIVER NEAR DELTA, S.C.

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

DRAINAGE AREA.--759 mi² (1,966 km²).

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--9 years, 1,142 ft³/s (33.34 m³/s), 20.43 in/yr (519 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,300 ft³/s (858 m³/s) Oct. 11, 1976, gage height, 26.31 ft (8.019 m) (from floodmarks); minimum daily, 120 ft³/s (3.40 m³/s) Oct. 9, 10, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 7,500 ft³/s (212 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
a	unknown	* unknown	* unknown
Feb. 5	1700	7520 213	14.71 4.484

Minimum daily, 120 ft³/s (3.40 m³/s) Oct. 9, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	155	366	469	3520	1070	2480	724	1010	1770	658	1750	325
2	150	334	868	3900	1100	2230	735	906	2200	616	1690	337
3	145	322	1130	4200	2010	1780	743	835	1440	520	1250	345
4	142	313	855	7500	3600	1460	739	782	1490	465	921	342
5	140	315	629	12000	7410	1240	739	735	1570	449	747	320
6	137	320	456	9580	5820	1130	778	694	972	449	661	306
7	134	330	382	6060	2680	1260	750	665	790	408	609	292
8	130	342	388	2340	1740	1440	728	640	686	393	683	289
9	120	315	402	1600	1470	1330	940	629	626	527	605	285
10	120	310	360	1260	1430	1160	1020	612	609	716	545	292
11	130	315	301	1010	1480	1070	898	579	712	1020	626	294
12	155	313	246	855	1270	1020	806	545	810	806	944	347
13	202	313	294	864	1170	976	762	531	712	851	1160	376
14	195	310	502	851	1100	936	747	506	735	999	826	358
15	195	322	1610	847	1020	1130	735	492	712	786	709	350
16	193	325	2130	814	1020	2240	720	475	619	739	616	350
17	193	325	1110	822	2690	1940	735	462	594	944	553	347
18	191	322	1580	814	2840	1400	839	456	658	906	527	350
19	189	320	479	794	2090	1300	887	531	622	720	517	327
20	193	315	465	898	1530	1200	778	605	542	616	479	320
21	210	315	421	1360	1310	1130	754	944	499	527	446	332
22	212	301	818	2090	1160	1070	728	860	520	489	424	320
23	212	299	727	2000	1060	990	686	902	531	520	405	315
24	214	330	694	2420	987	940	658	976	556	697	393	306
25	237	350	1350	2090	932	890	650	972	609	629	376	294
26	379	366	2380	1500	887	860	980	1380	534	516	363	294
27	830	358	1710	1150	1400	840	1680	1110	479	452	350	301
28	1070	355	1280	995	2570	820	2330	1110	496	421	345	303
29	770	355	1070	902	---	820	1590	1180	513	433	337	289
30	520	366	818	847	---	820	1200	1120	549	485	334	278
31	408	---	956	826	---	818	---	1080	---	1640	327	---
TOTAL	8271	9842	26880	76709	54846	38720	27059	24324	24155	20397	20518	9584
MEAN	267	328	867	2474	1959	1249	902	785	805	658	662	319
MAX	1070	366	2380	12000	7410	2480	2330	1380	2200	1640	1750	376
MIN	120	299	246	794	887	818	650	456	479	393	327	278
CFSM	.35	.43	1.14	3.26	2.58	1.65	1.19	1.03	1.06	.87	.87	.42
IN.	.41	.48	1.32	3.76	2.69	1.90	1.33	1.19	1.18	1.00	1.01	.47

CAL YR 1981 TOTAL 209376 MEAN 574 MAX 3400 MIN 120 CFSM .76 IN 10.26
WTR YR 1982 TOTAL 341305 MEAN 935 MAX 12000 MIN 120 CFSM 1.23 IN 16.73

a Sometime Jan. 5 or 6.

SANTÉE RIVER BASIN

79

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1973 to current year.

pH: October 1973 to current year.

WATER TEMPERATURE: October 1973 to current year.

DISSOLVED OXYGEN: October 1973 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--

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

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

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

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 211 micromhos Oct. 7; minimum, 35 micromhos Jan. 4.

pH: Maximum, 7.3 units Nov. 21-24; minimum, 6.0 units several days May, June, July.

WATER TEMPERATURE: Maximum, 30.5°C July 28; minimum, 0.5°C Jan. 12.

DISSOLVED OXYGEN: Maximum, 12.8 mg/L Jan. 12; minimum, 3.9 mg/L July 16.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	179	167	173	146	134	140	133	116	127	47	38	42
2	174	165	167	151	145	148	115	88	102	41	37	39
3	191	175	186	152	143	149	104	90	95	42	38	41
4	197	192	194	142	132	137	97	86	91	40	35	37
5	203	195	199	131	128	130	107	98	104	---	---	---
6	210	200	206	152	132	145	115	107	112	45	43	44
7	211	202	209	158	152	155	124	114	119	58	46	51
8	201	179	188	160	153	156	126	113	120	67	58	63
9	179	171	173	159	153	155	112	106	109	72	67	69
10	190	175	182	159	152	157	125	106	111	74	72	73
11	196	190	193	150	137	144	137	125	131	76	70	73
12	200	193	197	136	129	131	142	131	138	78	75	76
13	204	198	201	150	132	143	144	140	142	78	76	77
14	202	187	197	153	148	152	142	112	133	87	75	81
15	187	170	179	157	148	153	111	73	89	90	85	88
16	178	166	170	163	152	157	73	69	72	89	80	85
17	191	179	188	163	147	155	74	72	73	81	75	79
18	199	192	195	146	136	143	75	68	71	83	75	81
19	203	198	200	134	127	129	75	70	73	83	82	83
20	206	200	203	155	133	148	79	75	77	83	81	82
21	209	188	202	164	156	160	76	74	75	86	70	80
22	187	166	174	168	159	163	76	71	74	73	65	69
23	174	164	166	166	161	164	73	71	72	72	60	68
24	186	175	181	166	155	160	85	72	79	62	55	59
25	189	178	183	154	133	146	85	64	72	59	51	57
26	178	153	167	132	125	127	61	56	58	62	55	58
27	157	109	139	148	133	142	63	58	61	67	56	63
28	109	100	104	149	142	147	65	62	63	79	65	73
29	112	101	105	149	142	147	67	63	65	84	79	82
30	125	113	119	145	133	139	70	66	67	88	80	86
31	135	125	130	---	---	---	73	43	60	92	86	90

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	88	75	82	64	62	62	88	75	84	78	75	76
2	77	70	73	62	62	62	93	90	91	82	75	80
3	72	45	58	71	60	66	95	90	91	83	70	78
4	49	40	45	76	70	74	97	90	95	73	70	71
5	49	46	47	79	75	76	93	80	89	83	70	76
6	55	45	50	84	80	82	83	75	79	88	80	85
7	62	55	59	84	75	80	77	75	76	93	85	90
8	64	62	63	79	71	75	86	75	82	95	90	92
9	66	60	62	73	72	72	88	80	86	93	90	91
10	73	65	69	81	70	75	90	85	86	91	85	89
11	77	70	75	85	80	82	87	85	86	85	80	81
12	77	77	77	91	85	88	83	75	79	82	80	81
13	82	75	79	92	85	90	77	70	74	98	80	91
14	84	81	82	91	85	89	73	70	72	102	95	99
15	84	75	80	89	76	83	88	75	84	103	100	102
16	79	66	76	76	60	66	88	85	87	103	100	101
17	66	55	60	75	60	69	93	85	90	101	95	97
18	66	60	65	82	75	78	95	90	92	111	90	103
19	71	65	68	86	80	83	90	80	86	118	105	110
20	76	70	73	93	85	89	83	75	81	117	115	116
21	81	75	79	94	90	92	83	75	77	118	105	114
22	82	75	79	94	86	89	93	85	91	105	100	102
23	77	76	76	87	80	84	98	90	95	105	95	99
24	82	76	77	92	80	84	102	95	101	96	65	91
25	87	80	84	95	90	92	103	95	100	91	65	74
26	89	85	87	98	95	96	98	80	89	68	50	59
27	88	67	81	98	97	98	78	60	68	102	65	90
28	67	60	63	100	95	98	63	50	57	100	90	95
29	---	---	---	99	90	95	70	60	66	91	65	73
30	---	---	---	77	70	74	75	70	72	90	65	77
31	---	---	---	78	70	73	---	---	---	91	60	76
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	65	50	53	113	110	111	65	51	59	103	100	102
2	68	50	61	108	105	106	65	51	56	107	95	101
3	65	50	58	107	100	105	58	51	56	118	100	109
4	68	56	65	106	100	102	65	55	60	118	100	108
5	90	51	63	107	105	106	92	65	77	107	100	105
6	98	90	94	105	95	102	88	77	83	108	105	107
7	101	95	98	100	95	97	95	87	91	118	100	107
8	97	90	95	100	95	98	112	82	88	115	105	111
9	97	90	94	98	65	90	90	82	87	106	100	103
10	112	98	107	92	55	70	85	82	84	111	100	103
11	115	110	112	61	51	55	89	77	82	118	110	114
12	118	100	110	63	60	61	112	74	88	118	100	105
13	108	100	105	63	55	59	90	72	81	118	100	106
14	103	100	101	61	50	54	87	72	81	118	100	110
15	98	90	95	65	55	60	88	82	85	116	110	113
16	100	90	95	96	65	74	88	82	86	117	110	112
17	113	101	108	96	65	78	85	77	83	132	115	123
18	118	105	110	96	65	80	82	77	78	138	125	131
19	116	110	112	93	65	77	95	82	89	144	135	140
20	118	100	107	93	91	92	106	95	102	148	140	144
21	118	100	115	96	90	94	111	105	107	148	135	141
22	112	100	104	108	95	102	112	110	111	138	126	132
23	108	100	106	117	90	107	112	105	110	130	120	125
24	116	105	110	116	65	105	107	90	100	145	130	138
25	118	100	111	118	101	110	93	90	92	143	135	139
26	118	100	108	118	100	115	105	90	98	147	140	143
27	118	100	106	116	110	111	118	105	112	150	143	147
28	103	100	102	112	110	111	118	100	115	143	140	141
29	118	100	112	118	100	108	105	100	102	139	121	130
30	111	105	109	116	100	105	118	100	110	127	116	122
31	---	---	---	118	50	93	111	105	108	---	---	---
YEAR	211	35	101									

SANTÉE RIVER BASIN

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

pH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

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

SANTÉE RIVER BASIN

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

pH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	JUNE		JULY		AUGUST		SEPTEMBER	
1	6.3	6.0	6.3	6.3	6.3	6.2	6.9	6.8
2	6.3	6.2	6.3	6.3	6.3	6.3	6.8	6.8
3	6.3	6.0	6.3	6.3	6.4	6.3	6.8	6.8
4	6.1	6.0	6.3	6.3	6.6	6.3	6.8	6.8
5	6.3	6.0	6.3	6.3	6.7	6.6	6.8	6.7
6	6.2	6.1	6.3	6.3	6.7	6.7	6.7	6.6
7	6.2	6.2	6.3	6.3	6.8	6.7	6.8	6.6
8	6.2	6.2	6.3	6.3	6.8	6.7	6.9	6.8
9	6.2	6.2	6.3	6.2	6.8	6.8	6.9	6.8
10	6.3	6.2	6.2	6.0	6.8	6.8	6.9	6.8
11	6.3	6.2	6.0	6.0	6.8	6.8	6.9	6.8
12	6.3	6.3	6.1	6.0	6.8	6.5	6.9	6.8
13	6.3	6.3	6.1	6.0	6.6	6.5	6.8	6.8
14	6.3	6.3	6.1	6.0	6.7	6.7	6.9	6.6
15	6.3	6.2	6.1	6.0	6.8	6.7	6.6	6.5
16	6.3	6.3	6.2	6.1	6.8	6.8	6.6	6.5
17	6.3	6.2	6.2	6.1	6.8	6.8	6.9	6.5
18	6.3	6.3	6.1	6.1	6.8	6.8	6.9	6.8
19	6.3	6.3	6.2	6.1	6.8	6.8	6.9	6.9
20	6.3	6.3	6.2	6.1	6.8	6.8	6.9	6.8
21	6.3	6.3	6.2	6.2	6.8	6.8	6.9	6.6
22	6.3	6.3	6.3	6.2	6.8	6.8	6.7	6.6
23	6.3	6.3	6.3	6.1	6.8	6.8	6.7	6.6
24	6.3	6.3	6.3	6.0	6.8	6.8	7.0	6.7
25	6.8	6.3	6.3	6.3	6.8	6.8	7.0	7.0
26	6.8	6.3	6.3	6.3	6.8	6.8	7.0	7.0
27	6.8	6.3	6.3	6.3	6.9	6.8	7.0	7.0
28	6.8	6.8	6.3	6.3	6.9	6.8	7.1	7.0
29	6.8	6.3	6.8	6.3	6.9	6.9	7.0	6.9
30	6.3	6.3	6.8	6.3	6.9	6.9	6.9	6.9
31	---	---	6.3	6.0	6.9	6.8	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.5	18.6	21.0	14.2	12.3	13.2	8.3	7.8	8.0	6.0	5.4	5.7
2	22.8	18.0	20.9	15.3	12.6	14.0	9.3	7.7	8.4	5.9	5.1	5.5
3	18.9	14.6	16.7	15.9	13.0	14.5	8.9	7.7	8.4	6.6	5.8	6.1
4	18.3	12.9	15.6	16.6	13.7	15.1	9.1	7.9	8.4	7.7	6.6	7.0
5	19.7	13.6	16.8	16.3	14.5	15.5	7.9	6.4	7.2	---	---	---
6	21.8	16.1	19.1	16.7	14.5	15.5	6.3	4.9	5.6	6.6	6.3	6.5
7	21.0	18.0	19.7	14.6	12.1	13.4	7.0	4.2	5.8	9.4	6.6	7.9
8	19.5	15.6	17.5	12.7	10.0	11.3	9.1	6.7	7.7	9.4	8.2	9.0
9	16.9	13.8	15.5	11.4	9.2	10.5	7.1	5.2	6.3	8.0	6.3	7.0
10	15.8	15.2	15.5	12.1	10.6	11.3	5.0	3.2	4.2	6.1	2.8	4.5
11	17.4	14.9	15.9	13.3	10.7	11.8	3.6	1.7	2.6	2.6	1.0	1.5
12	17.3	14.2	15.7	11.7	9.5	10.5	3.7	1.3	2.4	1.4	0.5	1.0
13	16.8	13.4	15.1	10.0	7.6	8.7	4.0	1.4	2.8	1.3	0.6	1.1
14	17.1	12.7	14.8	9.3	6.1	7.7	5.2	4.0	4.6	1.5	1.0	1.3
15	17.7	13.2	15.4	9.5	6.1	7.8	6.5	5.3	5.9	2.2	1.0	1.6
16	18.9	14.0	16.5	9.1	7.0	8.2	6.9	6.1	6.5	3.9	2.1	3.0
17	18.7	15.4	17.0	11.4	9.0	10.0	6.3	5.4	5.9	3.7	2.5	3.1
18	18.7	16.5	17.5	11.4	8.5	9.9	6.5	5.8	6.2	3.5	1.5	2.6
19	16.4	13.3	15.1	11.8	8.2	10.1	5.7	3.6	4.8	4.4	3.5	3.9
20	14.8	11.2	13.0	13.6	11.1	12.6	3.4	1.7	2.6	5.4	4.1	4.8
21	14.9	10.7	12.9	10.7	7.7	9.3	2.1	0.8	1.6	6.6	5.1	6.0
22	16.0	12.4	14.4	8.2	5.9	7.0	4.8	2.1	3.5	6.9	6.1	6.7
23	16.3	15.0	15.7	7.5	5.0	6.4	8.3	5.0	6.9	6.4	6.0	6.2
24	15.4	13.0	14.0	9.1	7.1	8.0	9.0	7.8	8.5	6.5	5.6	6.0
25	12.8	11.6	12.0	9.0	6.6	7.8	8.7	8.1	8.4	6.5	5.5	6.0
26	13.0	11.7	12.3	8.9	6.2	7.6	8.1	7.4	7.7	6.3	5.5	5.8
27	15.5	13.0	14.4	10.3	7.6	9.1	7.8	7.2	7.5	5.2	4.0	4.6
28	15.2	14.7	15.0	12.1	10.0	11.0	8.4	7.6	8.0	4.4	3.1	3.8
29	15.3	14.2	14.8	9.8	8.6	9.3	9.5	8.1	8.7	5.2	3.5	4.4
30	14.0	13.3	13.7	9.3	8.4	9.0	7.9	6.2	7.1	6.6	4.5	5.7
31	14.3	13.0	13.7	---	---	---	6.1	5.2	5.6	10.1	6.5	8.4

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TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.2	8.6	9.5	8.1	5.5	6.7	17.8	14.0	16.0	19.3	16.0	18.0
2	9.2	7.5	8.6	9.7	6.5	8.1	17.3	15.5	16.7	19.8	17.1	18.7
3	8.1	7.0	7.6	11.1	8.5	9.9	19.1	16.5	17.7	20.3	18.1	19.3
4	8.8	7.5	8.1	10.7	10.0	10.4	18.5	15.8	17.2	21.0	18.2	19.6
5	8.3	7.5	7.8	12.8	10.0	11.4	16.6	14.0	15.2	21.1	18.0	19.7
6	9.2	7.5	8.3	13.1	12.1	12.6	15.6	13.5	14.4	22.2	19.0	20.8
7	8.8	7.6	8.3	12.4	10.2	11.3	14.3	11.5	13.2	21.8	19.7	21.0
8	8.4	7.0	7.8	9.8	8.0	9.0	13.6	11.0	12.4	21.7	20.0	21.0
9	9.1	8.0	8.5	10.1	7.5	8.9	13.7	10.5	12.1	22.0	19.5	20.9
10	9.4	8.5	8.9	11.6	8.6	10.2	14.7	12.0	13.1	21.8	19.0	20.5
11	9.6	8.0	8.8	12.8	10.0	11.6	---	---	---	22.3	19.0	20.9
12	8.9	7.6	8.3	14.8	11.1	13.1	16.3	14.5	15.8	22.8	19.6	21.3
13	9.7	8.1	8.8	17.0	13.7	15.3	18.2	14.8	16.6	23.8	20.5	22.4
14	9.2	7.5	8.5	16.5	15.0	15.9	18.3	16.5	17.5	23.5	21.0	22.4
15	10.7	8.0	9.4	15.8	13.4	14.4	19.2	17.5	18.4	23.6	21.5	22.7
16	12.5	10.5	11.4	13.2	11.0	12.0	19.6	18.0	18.8	23.8	22.0	23.0
17	13.1	12.0	12.6	12.9	11.2	11.9	19.3	18.5	19.0	23.8	22.1	23.1
18	12.7	10.1	11.3	15.6	12.5	14.0	19.8	17.5	18.6	23.8	22.0	23.0
19	10.5	9.5	9.9	17.3	14.5	15.9	18.1	16.5	17.1	23.0	22.0	22.7
20	10.8	8.5	9.9	19.5	16.5	18.0	17.2	16.0	16.6	23.2	22.0	22.6
21	11.8	9.8	10.9	19.8	17.5	18.8	17.6	16.0	16.8	24.1	22.5	23.2
22	11.3	10.0	10.7	19.6	17.5	18.6	17.3	15.5	16.8	24.8	22.0	23.5
23	11.1	9.0	10.1	18.2	16.5	17.2	16.7	13.5	15.2	24.3	22.5	23.5
24	13.1	10.1	11.7	16.7	14.6	15.4	17.2	13.0	15.5	23.8	23.0	23.4
25	13.1	11.5	12.3	17.2	14.0	15.8	16.3	15.0	15.9	24.3	22.0	23.1
26	11.9	6.6	9.5	17.1	15.2	16.1	18.6	15.5	17.1	23.5	22.0	22.9
27	6.4	5.0	5.5	14.8	12.6	13.8	19.6	17.7	18.7	24.5	23.0	23.7
28	5.9	4.5	5.2	13.1	10.6	12.0	19.7	17.5	18.8	24.7	23.0	23.9
29	---	---	---	12.2	9.6	11.2	19.3	17.5	18.5	25.3	23.0	24.3
30	---	---	---	14.7	12.2	13.9	19.3	17.1	18.3	26.2	24.0	25.2
31	---	---	---	14.8	13.5	14.2	---	---	---	26.8	24.5	25.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.5	24.0	24.8	26.8	25.0	26.0	26.2	25.0	25.6	24.8	21.5	23.1
2	24.7	23.5	24.1	26.8	25.0	25.7	26.8	25.0	25.8	26.8	21.5	24.8
3	25.0	23.5	24.5	26.8	25.1	26.0	26.8	25.0	25.7	26.8	24.5	25.5
4	24.3	22.0	24.1	29.3	25.0	26.3	26.7	25.0	26.0	26.8	24.5	25.6
5	24.3	22.0	23.1	26.8	25.1	26.1	26.8	25.0	26.0	24.8	20.8	22.9
6	25.1	23.0	24.4	26.8	25.0	25.9	26.8	24.5	25.7	24.6	20.0	21.9
7	25.0	22.5	23.8	26.8	25.0	25.9	26.8	25.0	25.7	24.7	20.0	21.8
8	25.7	23.0	24.4	26.7	25.0	25.8	26.7	25.0	25.6	24.6	20.1	21.8
9	26.8	24.0	25.4	26.8	25.0	26.0	26.8	25.0	26.0	24.1	20.0	21.5
10	26.8	24.8	25.6	26.8	25.0	26.0	26.8	25.0	26.0	21.8	20.0	20.9
11	25.3	23.5	24.5	26.8	25.0	25.8	26.7	25.0	25.9	21.3	20.2	20.8
12	25.2	24.0	24.5	26.7	25.0	25.9	26.6	25.5	26.0	24.5	20.0	22.1
13	24.8	23.5	24.2	26.8	25.0	26.1	25.5	24.5	25.1	---	---	---
14	25.3	23.0	24.2	26.3	25.1	25.8	26.2	24.0	25.2	24.3	23.0	23.6
15	25.8	23.5	25.0	26.7	25.0	25.7	26.8	24.5	25.6	25.7	23.1	24.4
16	26.8	24.0	25.5	26.8	25.2	25.9	26.8	24.5	25.8	25.8	23.5	24.7
17	26.8	25.0	25.9	26.8	25.0	25.8	26.7	25.0	25.9	26.8	23.6	25.2
18	25.2	24.0	24.8	26.8	25.0	25.8	25.8	24.2	25.0	26.8	23.8	25.3
19	26.5	23.5	25.1	26.8	25.1	26.0	26.2	21.5	24.5	26.8	25.0	25.9
20	26.8	24.5	25.6	26.8	25.0	26.2	26.8	24.0	25.5	26.7	25.0	25.9
21	26.6	24.6	25.6	29.3	25.0	26.6	26.8	24.5	25.8	25.7	24.3	25.0
22	25.2	24.0	24.7	29.5	25.0	26.3	26.6	24.0	25.5	24.8	22.6	23.7
23	26.2	23.5	24.7	26.8	25.0	26.0	26.7	24.0	25.4	23.4	20.1	21.8
24	26.1	24.8	25.4	26.8	25.0	26.0	26.7	24.5	25.5	21.6	18.8	20.2
25	26.6	24.5	25.5	26.8	25.0	25.6	26.8	25.0	26.0	21.2	18.7	20.0
26	26.8	25.0	25.6	29.1	25.1	26.6	26.7	25.0	25.7	19.4	18.1	18.8
27	26.8	25.0	26.1	29.8	25.0	26.8	26.8	24.5	25.7	19.5	17.0	18.3
28	26.8	25.0	25.8	30.5	25.1	27.7	26.8	24.5	25.5	21.7	19.5	20.6
29	26.8	25.0	26.1	26.8	25.5	26.1	25.7	21.5	24.7	21.4	18.0	19.7
30	26.8	25.0	25.5	26.3	25.0	25.6	25.5	20.0	22.9	21.9	19.0	20.5
31	---	---	---	26.8	25.0	26.0	24.5	21.0	22.6	---	---	---
YEAR	30.5	0.5	17.6									

SANTEE RIVER BASIN

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

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	6.8	6.1	6.5	8.7	8.3	8.6	9.6	9.2	9.4	10.3	10.0	10.1
2	6.7	6.2	6.4	8.7	8.1	8.4	9.7	9.2	9.5	10.4	10.0	10.3
3	7.5	6.8	7.2	8.7	7.7	8.4	9.6	9.4	9.5	10.1	9.7	10.0
4	8.1	7.3	7.7	8.0	7.6	7.8	9.9	9.6	9.8	9.8	9.5	9.7
5	8.0	7.0	7.6	7.9	7.5	7.7	10.6	10.1	10.4	---	---	---
6	7.4	6.4	6.9	7.7	7.3	7.5	11.2	10.7	11.0	10.5	10.3	10.4
7	6.8	6.4	6.6	8.2	7.6	8.0	11.5	10.5	11.1	10.6	8.9	9.8
8	7.7	6.9	7.3	8.8	8.3	8.6	10.4	9.9	10.2	9.4	9.1	9.3
9	8.3	7.7	8.0	9.2	8.6	9.0	10.8	10.1	10.5	10.1	9.5	9.8
10	8.0	7.7	7.9	8.7	8.5	8.6	11.3	10.8	11.2	11.3	10.1	10.7
11	8.0	7.7	7.9	8.7	8.4	8.5	11.7	11.4	11.6	12.1	11.4	11.8
12	8.2	7.8	7.9	9.2	8.6	8.9	11.9	11.5	11.7	12.8	11.8	12.1
13	8.3	8.0	8.1	9.6	9.1	9.4	11.8	11.2	11.5	12.0	11.7	11.9
14	8.5	7.8	8.2	9.9	9.5	9.7	11.3	10.4	10.8	11.9	11.6	11.7
15	8.3	7.7	8.0	10.0	9.4	9.6	10.3	9.2	9.9	11.9	11.6	11.7
16	8.2	7.4	7.9	9.7	9.1	9.4	9.2	8.4	8.9	11.7	10.9	11.3
17	7.9	7.3	7.6	9.3	8.8	9.0	9.8	8.7	9.1	11.5	10.9	11.2
18	7.5	6.9	7.3	9.2	8.8	9.0	9.7	8.9	9.3	11.5	10.8	11.3
19	7.8	6.7	7.3	9.5	8.8	9.1	10.5	9.7	10.1	10.9	10.2	10.6
20	7.5	6.7	7.1	8.7	8.2	8.5	11.1	10.5	10.8	10.5	10.1	10.3
21	7.5	6.9	7.2	9.7	8.6	9.3	11.5	11.0	11.3	10.3	9.9	10.1
22	7.0	6.3	6.8	10.4	9.7	10.1	11.2	10.0	10.7	9.9	8.9	9.4
23	6.4	5.9	6.2	10.5	10.0	10.3	10.2	9.0	9.6	10.1	9.7	9.8
24	6.9	6.0	6.5	10.2	9.4	9.8	9.2	8.6	8.9	10.1	9.8	10.0
25	7.9	7.0	7.3	10.0	9.5	9.8	9.4	8.5	8.9	10.4	9.9	10.2
26	8.1	6.2	7.1	10.4	9.9	10.1	9.8	9.4	9.7	10.4	10.1	10.2
27	6.8	5.5	6.2	10.0	9.4	9.7	9.7	9.3	9.5	10.9	10.4	10.7
28	---	---	---	9.3	9.0	9.1	9.4	9.1	9.3	10.9	10.5	10.8
29	7.9	7.2	7.5	9.6	9.1	9.4	9.2	8.8	9.1	10.7	10.0	10.5
30	7.7	7.4	7.6	9.6	9.0	9.3	9.7	9.1	9.4	10.2	9.4	9.9
31	8.2	7.9	8.1	---	---	---	10.0	9.5	9.8	9.5	8.6	9.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	8.8	8.5	8.6	10.0	9.3	9.7	8.0	7.2	7.8	---	---	---
2	9.2	8.6	9.0	9.6	9.0	9.3	7.5	7.0	7.4	---	---	---
3	10.1	9.2	9.6	9.2	8.6	8.8	7.3	6.7	7.1	7.4	6.8	7.1
4	10.2	9.8	10.1	8.8	8.3	8.5	7.3	6.5	7.0	7.3	6.8	7.1
5	10.2	9.8	10.0	8.6	8.0	8.3	7.2	6.7	7.0	7.6	7.0	7.4
6	9.9	9.3	9.7	8.2	7.8	8.0	7.5	7.1	7.4	7.6	7.3	7.5
7	9.8	9.2	9.5	8.2	7.8	8.0	8.4	7.5	8.0	7.6	7.2	7.5
8	10.0	9.6	9.8	9.4	8.4	9.1	8.5	7.8	8.2	7.6	7.1	7.5
9	9.8	9.3	9.6	9.7	9.0	9.4	8.5	7.6	8.1	7.8	7.2	7.5
10	9.5	9.2	9.4	9.2	8.7	9.0	7.7	7.2	7.5	7.4	7.2	7.3
11	9.5	9.2	9.4	8.9	8.4	8.6	---	---	---	7.6	7.0	7.4
12	10.4	9.4	9.7	8.5	8.0	8.3	8.4	7.6	8.0	7.3	6.4	7.1
13	10.7	10.3	10.5	8.2	7.6	7.9	7.9	7.3	7.8	---	---	---
14	10.7	10.3	10.5	7.9	7.6	7.8	7.7	7.3	7.6	---	---	---
15	10.7	10.2	10.5	8.1	7.8	8.0	7.5	6.6	7.4	---	---	---
16	10.4	9.5	10.0	8.7	8.1	8.4	7.6	7.3	7.5	---	---	---
17	9.6	8.4	8.8	8.8	8.3	8.6	7.8	7.2	7.4	---	---	---
18	8.7	7.7	8.5	8.6	7.8	8.2	7.5	7.3	7.4	---	---	---
19	9.0	8.5	8.8	8.2	7.6	7.9	8.4	7.4	8.0	---	---	---
20	9.1	8.8	8.9	7.9	7.4	7.7	8.5	8.0	8.4	---	---	---
21	9.1	8.8	8.9	7.9	7.6	7.8	8.5	8.0	8.4	6.6	6.3	6.4
22	9.2	9.0	9.2	8.1	7.8	8.0	8.7	8.2	8.4	6.5	6.2	6.4
23	9.6	9.2	9.4	8.5	8.1	8.3	9.1	8.6	8.9	6.3	6.1	6.3
24	9.4	8.5	9.0	8.6	8.3	8.4	9.3	8.4	8.9	6.5	6.1	6.3
25	8.8	8.5	8.6	8.4	7.9	8.2	8.3	6.7	7.4	6.4	6.0	6.3
26	9.9	8.7	9.1	8.1	7.8	7.9	7.5	6.2	6.9	6.4	6.0	6.2
27	10.5	9.8	10.2	8.6	8.0	8.4	6.9	5.4	6.1	6.2	6.0	6.2
28	10.4	9.7	10.1	8.9	8.5	8.8	---	---	---	6.3	6.0	6.2
29	---	---	---	9.2	8.8	9.0	---	---	---	6.4	6.1	6.4
30	---	---	---	9.0	8.1	8.7	---	---	---	6.5	5.6	6.3
31	---	---	---	8.3	7.7	8.1	---	---	---	6.7	5.7	6.3

SANTEE RIVER BASIN

02160700 ENOREE RIVER AT WHITMIRE, S.C.

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

DRAINAGE AREA.--444 mi² (1,150 km²).

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--9 years, 600 ft³/s (16.99 m³/s), 18.35 in/yr (466 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,700 ft³/s (558 m³/s) Oct. 10, 1976, gage height 32.58 ft (9.930 m); minimum, 108 ft³/s (3.06 m³/s) Sept. 17, 1980, gage height, 14.50 ft (4.420 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge		Gage height	
		(ft ³ /s)	(m ³ /s)	(ft)	(m)
Jan. 5	2400	*6,560	186	*26.23	7.995
Feb. 5	1600	5,030	142	24.93	7.599

Minimum daily, 51 ft³/s (1.44 m³/s) Oct. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	178	200	1290	613	1300	409	597	981	278	1880	200
2	68	168	482	2070	659	1140	421	529	1610	262	1120	204
3	66	161	751	2200	1210	865	424	489	992	246	674	212
4	65	155	441	2920	3060	714	409	457	693	234	497	216
5	65	154	326	4000	4710	633	404	431	693	241	404	206
6	58	154	300	3280	3270	594	426	411	586	228	364	192
7	56	154	270	3320	1190	647	429	394	497	222	351	183
8	55	167	241	1350	909	767	409	382	436	216	394	177
9	51	155	239	591	773	735	526	375	394	258	338	173
10	53	146	250	620	793	619	580	366	378	280	322	172
11	64	145	121	610	868	572	507	349	385	482	373	182
12	73	145	116	604	689	540	450	334	472	355	338	227
13	90	148	127	565	647	515	424	322	414	394	436	243
14	86	148	266	565	619	489	411	308	467	757	1120	234
15	81	148	705	565	572	542	409	297	534	732	531	218
16	81	148	1050	540	575	1240	401	291	419	927	404	216
17	77	148	523	534	1710	1240	414	276	378	770	353	222
18	79	148	683	542	1520	816	467	270	385	484	353	206
19	79	148	440	520	981	686	515	278	371	436	364	191
20	73	145	330	551	813	616	439	399	353	364	330	183
21	97	135	200	751	708	570	424	583	326	332	290	187
22	95	137	180	1380	633	540	414	434	320	299	270	198
23	90	138	345	1200	575	502	389	364	336	282	260	192
24	97	143	343	1350	540	479	371	366	322	338	250	187
25	116	150	735	1160	512	477	366	414	330	656	246	172
26	178	155	1320	830	487	467	540	767	322	380	236	173
27	588	159	861	677	689	457	1140	823	288	308	225	178
28	613	154	610	591	1290	439	1870	1110	304	276	220	182
29	334	154	523	542	---	419	1030	1170	299	278	216	180
30	241	167	436	510	---	414	720	1280	284	260	212	172
31	198	---	411	489	---	414	---	708	---	1240	204	---
TOTAL	4037	4555	13825	36717	31615	20448	16138	15574	14569	12815	13575	5878
MEAN	130	152	446	1184	1129	660	538	502	486	413	438	196
MAX	613	178	1320	4000	4710	1300	1870	1280	1610	1240	1880	243
MIN	51	135	116	489	487	414	366	270	284	216	204	172
CAL YR 1981	TOTAL	103101	MEAN	282	MAX	1940	MIN	51				
WTR YR 1982	TOTAL	189746	MEAN	520	MAX	4710	MIN	51				

SANTEE RIVER BASIN

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1973 to current year.

pH: October 1973 to current year.

WATER TEMPERATURE: October 1973 to current year.

DISSOLVED OXYGEN: October 1973 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

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

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 94 micromhos Oct. 16; minimum, 31 micromhos Apr. 28.

pH: Maximum, 7.3 units Dec. 7; minimum, 6.0 units July 31, Aug. 1.

WATER TEMPERATURE: Maximum, 28.8°C July 28; minimum, 0.9°C Jan. 12.

DISSOLVED OXYGEN: Maximum, 13.0 mg/L Jan. 12, 13; minimum, 4.3 mg/L June 30.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

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

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	65	63	64	56	55	55	51	49	50	48	44	46
2	63	63	63	57	55	56	52	48	49	50	46	48
3	63	50	56	59	57	58	52	48	50	51	49	50
4	51	42	45	61	59	60	52	49	50	52	50	51
5	43	41	42	64	61	63	52	49	50	53	51	52
6	52	43	48	64	63	63	53	48	50	56	54	55
7	55	52	53	63	61	63	51	47	49	58	55	56
8	57	55	56	62	60	61	52	47	49	60	58	59
9	59	57	58	61	60	60	49	45	47	62	59	61
10	60	58	59	61	60	61	49	44	46	62	59	61
11	59	57	58	63	61	62	50	46	48	64	61	62
12	60	58	59	68	63	65	50	45	47	64	61	63
13	62	60	62	69	65	67	50	47	48	64	60	62
14	63	62	63	66	62	64	52	48	49	69	64	66
15	64	62	63	64	60	62	53	49	50	73	71	70
16	64	60	63	60	51	55	54	52	52	74	72	73
17	58	52	53	55	51	52	54	53	53	73	72	73
18	57	52	54	58	54	57	54	52	53	74	72	73
19	59	57	57	60	58	59	52	48	50	74	73	73
20	60	59	59	63	60	61	51	47	49	74	64	71
21	64	60	62	66	62	63	52	49	50	63	55	58
22	64	62	63	65	62	63	51	49	50	67	63	65
23	64	63	63	64	62	63	53	50	52	69	65	67
24	66	63	64	63	61	61	53	51	52	70	68	69
25	67	65	66	65	61	63	54	52	52	69	65	66
26	75	64	65	65	62	63	53	49	51	65	46	56
27	65	56	61	66	63	65	48	37	44	56	51	53
28	55	53	54	66	62	64	37	31	34	55	47	50
29	---	---	---	51	48	49	42	37	39	49	45	47
30	---	---	---	51	47	49	45	41	43	49	45	46
31	---	---	---	50	49	50	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	53	48	51	71	68	70	43	33	38	64	59	61
2	50	46	48	73	71	71	40	37	38	64	57	60
3	55	50	53	74	71	72	40	38	39	60	57	58
4	56	54	55	74	71	72	43	39	41	60	56	58
5	60	52	57	76	73	74	44	40	42	61	57	59
6	63	60	61	76	75	75	63	61	62	62	56	58
7	65	62	64	---	---	---	64	61	63	59	54	57
8	65	63	64	---	---	---	66	59	62	60	56	57
9	66	63	64	---	---	---	66	64	65	56	53	54
10	67	63	65	---	---	---	67	65	66	55	53	54
11	69	66	68	---	---	---	67	65	65	56	53	54
12	69	66	68	59	57	58	65	62	63	58	54	56
13	68	65	66	59	58	59	63	60	61	60	57	58
14	67	65	66	58	47	51	59	42	47	63	56	60
15	65	62	63	51	43	48	56	48	52	60	56	57
16	64	62	63	47	45	46	59	56	58	59	55	57
17	68	63	64	52	41	46	61	59	60	60	57	59
18	69	68	68	55	52	53	62	59	61	61	59	60
19	69	68	68	62	54	57	63	53	59	64	61	62
20	71	69	69	62	59	60	67	56	57	65	63	64
21	72	70	71	62	59	60	61	57	58	65	61	63
22	71	69	70	64	61	62	71	60	63	62	59	61
23	71	68	69	65	61	62	72	57	59	61	57	59
24	71	70	70	67	61	64	64	60	61	60	56	58
25	72	71	72	66	48	54	64	60	61	63	59	61
26	73	68	71	59	49	54	72	60	63	62	60	61
27	70	67	69	63	59	61	72	59	64	64	60	62
28	72	69	71	65	63	64	74	60	67	65	62	63
29	72	69	71	67	62	65	65	56	61	65	62	63
30	71	70	71	67	65	66	70	59	62	65	61	63
31	---	---	---	65	35	50	72	59	63	---	---	---
YEAR	94	31	63									

SANTÉE RIVER BASIN

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

pH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

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

SANTEE RIVER BASIN

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

PH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	JUNE		JULY		AUGUST		SEPTEMBER	
1	6.6	6.4	6.9	6.8	6.3	6.0	7.0	6.9
2	6.5	6.4	6.9	6.8	6.3	6.3	7.0	6.9
3	6.5	6.5	6.9	6.9	6.4	6.3	7.0	6.9
4	6.6	6.5	6.9	6.9	6.6	6.4	7.0	6.9
5	6.7	6.5	6.9	6.8	6.6	6.6	7.0	6.9
6	6.7	6.7	6.9	6.9	6.8	6.7	7.0	6.9
7	6.8	6.7	---	---	6.8	6.7	7.0	7.0
8	6.8	6.7	---	---	6.8	6.6	7.0	7.0
9	6.7	6.7	---	---	6.8	6.8	7.0	7.0
10	6.7	6.7	---	---	6.8	6.8	7.0	6.9
11	6.8	6.7	---	---	6.8	6.8	6.9	6.9
12	6.8	6.8	6.7	6.7	6.8	6.8	6.9	6.9
13	6.8	6.8	6.7	6.7	6.8	6.7	6.9	6.8
14	6.8	6.8	6.7	6.5	6.7	6.4	7.0	6.8
15	6.8	6.7	6.6	6.5	6.7	6.5	7.0	6.9
16	6.8	6.7	6.5	6.4	6.8	6.6	7.1	7.0
17	6.8	6.8	6.5	6.4	6.8	6.8	7.0	7.0
18	6.9	6.8	6.6	6.5	6.9	6.8	7.1	7.0
19	6.9	6.8	6.7	6.6	6.9	6.8	7.1	7.0
20	6.9	6.8	6.7	6.6	6.9	6.8	7.1	7.0
21	6.9	6.8	6.7	6.7	6.9	6.9	7.1	7.0
22	6.8	6.8	6.8	6.7	6.9	6.9	7.1	7.0
23	6.9	6.8	6.8	6.7	6.9	6.9	7.1	7.1
24	6.9	6.8	6.7	6.7	6.9	6.8	7.1	7.1
25	6.9	6.8	6.7	6.5	6.9	6.8	7.2	7.1
26	6.9	6.8	6.6	6.5	6.9	6.8	7.1	7.1
27	6.9	6.8	6.7	6.6	7.0	6.9	7.1	7.1
28	6.9	6.8	6.8	6.7	7.0	6.9	7.1	7.1
29	6.9	6.8	6.8	6.7	7.0	6.9	7.1	7.1
30	6.9	6.8	6.6	6.6	7.0	7.0	7.1	7.1
31	---	---	6.6	6.0	7.0	7.0	---	---
YEAR	7.3	6.0	---	---	---	---	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.5	19.2	21.4	14.9	13.3	14.1	8.8	8.5	8.6	7.1	6.0	6.4
2	23.5	19.1	21.4	15.9	13.3	14.6	9.5	8.6	9.1	6.9	5.8	6.4
3	19.5	15.8	17.7	16.7	13.6	15.8	---	---	---	7.6	6.8	7.2
4	16.2	14.2	15.2	17.5	14.6	15.9	---	---	---	8.8	7.5	8.1
5	19.5	14.9	17.5	17.4	15.2	16.2	---	---	---	8.1	7.2	7.6
6	21.6	16.7	19.2	18.2	15.7	16.7	---	---	---	7.5	6.5	7.0
7	21.4	19.4	20.4	16.4	13.5	14.9	7.5	7.2	7.4	9.6	7.2	8.3
8	19.9	16.2	18.1	14.1	11.0	12.5	9.4	7.0	8.0	9.7	8.6	9.4
9	17.2	14.3	15.8	11.7	10.0	11.1	8.2	6.3	7.2	8.5	6.6	7.6
10	16.3	15.8	16.1	12.4	10.7	11.6	6.1	4.4	5.2	6.5	3.7	5.3
11	17.7	15.5	16.6	13.8	11.2	12.2	4.7	2.9	3.8	3.5	1.7	2.4
12	17.5	14.9	16.2	12.5	10.0	11.1	4.7	2.4	3.4	2.2	0.9	1.7
13	17.4	14.3	15.9	11.0	8.2	9.5	4.4	2.3	3.5	2.1	1.6	1.8
14	17.1	13.3	15.2	9.9	6.6	8.2	5.8	4.5	5.2	2.5	2.0	2.2
15	17.6	13.5	15.6	10.0	6.5	8.2	7.1	5.8	6.4	3.0	2.1	2.5
16	18.6	14.2	16.4	9.5	7.5	8.6	7.6	6.8	7.1	4.3	3.0	3.7
17	18.8	15.6	17.2	11.6	9.4	10.2	6.9	6.1	6.4	4.3	3.5	3.9
18	19.0	16.8	17.9	11.8	8.7	10.1	7.0	6.3	6.8	3.9	2.9	3.4
19	16.8	14.0	15.4	12.1	8.5	10.4	6.2	4.0	5.2	5.0	3.8	4.4
20	14.8	10.8	12.8	13.8	11.2	12.6	3.9	2.2	3.0	6.1	5.0	5.5
21	14.7	10.3	12.5	10.9	8.3	9.7	2.3	1.2	1.9	6.9	6.1	6.6
22	13.0	12.1	12.6	8.8	6.5	7.6	5.2	2.3	3.6	7.2	7.0	7.2
23	16.5	15.3	15.9	7.9	5.5	6.9	8.5	5.2	7.1	7.2	6.7	6.9
24	15.6	13.7	14.7	9.6	7.4	8.4	9.6	8.3	9.0	6.9	6.3	6.6
25	12.9	11.9	12.4	9.4	6.8	8.1	9.4	8.7	9.1	6.4	5.9	6.2
26	13.2	11.8	12.5	9.4	6.7	8.0	8.7	8.2	8.4	6.4	5.5	6.0
27	14.6	13.1	13.9	10.5	8.0	9.4	8.5	8.1	8.3	5.4	4.3	4.9
28	15.5	14.0	14.8	12.5	10.5	11.4	8.8	8.1	8.5	4.8	3.9	4.3
29	16.1	14.5	15.3	10.5	9.1	10.0	9.8	8.8	9.2	5.6	4.0	4.7
30	15.0	13.9	14.5	10.1	8.8	9.6	8.6	7.0	7.9	6.6	4.9	5.8
31	15.0	13.9	14.5	---	---	---	6.9	5.6	6.2	9.7	6.4	8.1

91'

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	10.4	9.3	9.7	7.9	6.4	7.2	17.5	14.0	15.6	18.8	16.3	17.5
2	9.5	8.5	9.2	9.1	7.5	8.3	17.2	15.6	16.5	18.7	16.6	17.7
3	8.4	7.6	8.0	10.7	9.2	10.0	18.9	16.5	17.4	19.6	17.5	18.5
4	8.2	7.4	8.0	10.8	10.5	10.7	18.5	16.0	17.2	20.3	17.7	19.0
5	8.4	7.9	8.1	12.6	10.6	11.5	16.7	14.6	15.5	20.2	17.8	19.0
6	9.6	8.4	9.0	13.2	12.4	12.8	16.1	13.9	14.8	21.2	18.7	20.0
7	9.5	8.6	9.1	12.6	10.8	12.0	15.0	12.6	13.7	20.6	18.8	19.9
8	9.0	8.2	8.6	10.7	9.5	10.0	13.7	11.3	12.7	21.2	19.6	20.3
9	9.4	8.7	9.1	10.3	8.7	9.5	13.2	10.6	11.9	21.4	19.0	20.2
10	10.0	9.1	9.5	11.5	9.5	10.4	14.0	12.1	13.0	21.5	18.5	20.0
11	10.0	9.2	9.4	12.5	10.8	11.7	15.1	12.7	13.8	21.9	18.8	20.4
12	9.2	8.7	8.9	14.5	12.1	13.2	16.0	12.9	14.4	22.3	19.0	20.7
13	9.9	8.6	9.1	16.6	13.9	15.3	17.8	14.8	16.3	23.0	19.9	21.5
14	9.7	8.3	8.9	16.5	15.6	16.0	18.2	16.7	17.3	23.7	20.7	22.3
15	10.4	8.7	9.6	15.6	13.9	14.9	19.1	17.3	18.1	23.7	21.3	22.6
16	12.3	10.3	11.3	13.8	11.9	12.7	19.6	18.2	18.8	24.1	21.4	22.8
17	12.9	12.3	12.5	12.7	11.7	12.2	19.2	18.3	18.8	24.2	22.0	23.0
18	12.8	11.0	11.9	15.0	12.7	13.9	19.7	17.5	18.5	23.8	21.5	22.7
19	11.0	10.2	10.6	16.7	14.6	15.6	17.8	16.3	17.1	22.9	22.0	22.5
20	11.1	9.7	10.3	18.8	16.5	17.7	16.7	16.0	16.3	23.3	21.3	22.2
21	12.0	10.5	11.1	19.6	17.9	18.6	17.3	15.8	16.6	22.6	21.3	22.0
22	11.8	10.6	11.1	19.4	18.0	18.6	17.2	15.6	16.7	23.5	22.0	22.8
23	11.5	9.8	10.6	17.9	16.5	17.2	16.9	14.0	15.4	24.4	22.4	23.4
24	13.2	10.5	11.9	16.3	14.8	15.6	17.3	13.5	15.5	24.0	23.0	23.4
25	13.7	12.3	12.8	16.7	14.5	15.5	16.3	15.3	15.9	23.8	22.3	23.1
26	12.2	7.8	10.4	17.1	15.1	16.0	18.1	15.7	16.9	23.3	22.3	22.7
27	7.6	5.6	6.4	15.0	12.9	14.0	18.3	17.6	17.9	23.1	22.4	22.8
28	6.3	5.4	5.8	13.4	11.4	12.2	18.3	17.0	17.8	23.0	22.6	22.9
29	---	---	---	12.0	11.2	11.6	18.7	17.4	17.9	23.2	22.5	22.9
30	---	---	---	14.1	10.6	12.4	18.8	17.0	17.8	23.8	22.7	23.1
31	---	---	---	14.7	13.3	14.0	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	24.3	23.3	24.0	26.9	25.1	26.0	25.0	24.6	24.8	24.0	23.2	23.6
2	23.4	22.6	23.1	26.8	24.8	25.8	25.0	24.5	24.8	25.7	23.5	24.6
3	23.5	23.0	23.2	27.6	25.1	26.3	25.7	24.5	25.2	26.0	24.1	25.1
4	23.2	22.2	22.9	28.2	25.8	26.9	26.3	25.0	25.7	25.8	24.0	24.8
5	23.4	21.9	22.7	27.8	25.7	26.8	25.8	25.3	25.6	24.2	22.4	23.2
6	24.0	22.7	23.3	26.7	25.7	26.1	25.8	24.5	25.4	23.6	20.6	22.1
7	23.9	22.1	23.0	---	---	---	26.4	24.7	25.5	23.7	20.4	22.1
8	24.4	22.3	23.4	---	---	---	26.7	24.6	25.6	23.5	20.7	22.2
9	25.6	23.1	24.4	---	---	---	26.9	25.6	26.2	23.2	21.0	22.1
10	26.0	24.0	24.7	---	---	---	26.6	25.5	26.1	22.8	21.6	22.3
11	24.7	22.9	23.9	---	---	---	26.6	25.5	26.0	22.6	21.7	22.2
12	24.4	23.4	23.8	26.1	25.4	25.8	26.7	25.2	25.9	22.9	21.2	22.1
13	24.2	23.0	23.4	26.5	25.1	25.8	25.9	24.6	25.4	23.2	22.5	22.8
14	23.9	22.4	23.2	25.5	24.7	25.0	24.5	23.5	24.1	23.3	22.4	22.9
15	23.9	22.6	23.2	25.3	24.7	24.9	25.3	24.0	24.6	25.0	22.8	23.8
16	25.4	23.0	24.2	25.5	24.7	25.1	25.7	24.1	24.9	25.5	23.2	24.3
17	25.2	24.1	24.7	25.8	24.6	25.2	25.9	24.7	25.3	25.7	23.4	24.5
18	24.6	23.7	24.1	26.5	25.3	25.9	25.1	24.1	24.6	25.4	23.1	24.3
19	25.3	23.1	24.2	26.9	25.5	26.2	24.9	23.3	24.2	24.7	23.9	24.2
20	25.6	23.8	24.7	27.7	25.8	26.8	25.9	23.6	24.8	24.5	23.3	23.8
21	25.4	23.6	24.6	27.8	26.0	26.9	26.0	24.2	25.1	23.7	22.3	23.1
22	24.5	23.6	24.1	27.9	26.3	27.1	25.7	23.9	24.9	22.3	20.5	21.5
23	24.9	22.9	24.0	27.2	26.0	26.5	26.0	24.0	25.1	20.9	18.4	19.6
24	25.4	24.0	24.7	26.0	25.3	25.7	26.3	24.3	25.4	19.6	17.1	18.4
25	25.6	23.8	24.7	25.5	24.4	24.9	27.3	25.3	26.3	20.0	17.2	18.7
26	26.0	23.7	24.8	27.0	24.6	25.8	26.9	24.7	25.8	19.1	18.2	18.8
27	25.4	24.5	25.0	27.6	25.7	26.7	26.0	24.4	25.3	19.8	17.3	18.5
28	25.5	24.2	24.8	28.8	26.6	27.6	26.5	24.5	25.5	20.6	18.0	19.3
29	26.2	24.4	25.3	27.8	26.7	27.3	25.3	23.3	24.5	20.7	18.0	19.3
30	26.7	24.5	25.6	27.3	26.4	26.9	24.5	22.2	23.4	20.6	18.2	19.3
31	---	---	---	26.7	24.7	25.4	23.8	22.9	23.4	---	---	---
YEAR	28.8	0.9	16.4									

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

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.3	7.3	7.8	8.7	8.4	8.6	10.0	9.7	9.9	10.7	10.1	10.5
2	7.8	7.1	7.5	8.7	8.1	8.4	10.0	9.5	9.8	10.8	10.6	10.7
3	8.6	8.0	8.3	8.5	7.7	8.0	---	---	---	10.6	10.2	10.4
4	9.1	8.0	8.6	8.1	7.5	7.8	---	---	---	10.5	10.0	10.3
5	8.8	7.7	8.3	8.1	6.8	7.7	---	---	---	10.4	10.0	10.2
6	8.4	7.2	7.8	7.7	7.1	7.4	---	---	---	10.9	10.4	10.8
7	8.0	7.2	7.6	8.8	7.6	8.1	11.3	10.8	11.0	10.8	10.1	10.4
8	8.5	7.6	8.1	9.3	8.7	9.0	10.8	10.2	10.5	10.3	10.1	10.2
9	9.2	8.0	8.6	9.9	9.1	9.6	10.7	10.3	10.5	11.0	10.3	10.6
10	8.4	8.0	8.2	9.7	8.6	9.2	11.4	10.8	11.2	11.7	11.0	11.3
11	8.8	7.9	8.4	9.1	8.5	8.8	11.9	11.4	11.7	12.5	11.8	12.2
12	8.9	8.0	8.5	9.3	8.7	9.1	12.1	11.8	11.9	13.0	12.6	12.8
13	8.8	8.0	8.4	9.9	9.2	9.5	12.1	11.8	12.0	13.0	12.9	12.9
14	9.1	8.2	8.7	10.0	7.9	9.3	11.7	10.9	11.3	12.9	12.6	12.7
15	8.9	7.9	8.4	8.8	8.0	8.3	10.9	10.3	10.6	12.7	12.6	12.7
16	8.6	7.5	8.1	8.5	7.8	8.2	10.5	10.1	10.2	12.6	12.1	12.4
17	8.3	7.3	7.8	8.4	7.6	7.9	10.7	10.4	10.6	12.3	12.1	12.2
18	7.6	6.8	7.2	8.6	7.9	8.2	10.6	10.5	10.5	12.5	12.3	12.4
19	8.4	7.0	7.7	8.6	7.6	8.2	11.4	10.6	11.1	12.4	11.8	12.1
20	9.8	8.6	9.2	8.3	7.5	7.8	12.1	11.4	11.8	11.9	11.6	11.7
21	9.3	8.3	8.8	8.9	8.0	8.5	12.4	12.1	12.3	11.6	11.3	11.4
22	8.5	8.3	8.4	9.5	9.0	9.3	12.3	11.2	11.8	11.3	11.2	11.3
23	7.9	7.3	7.6	9.7	9.2	9.4	11.1	10.1	10.6	11.2	11.2	11.2
24	8.4	7.4	7.9	9.6	8.9	9.2	10.1	9.5	9.7	11.3	11.2	11.3
25	8.8	8.3	8.6	9.7	9.2	9.4	9.5	9.4	9.5	11.5	11.3	11.4
26	8.8	8.4	8.6	9.8	9.3	9.5	9.7	9.4	9.5	11.6	11.4	11.5
27	8.3	7.3	7.8	9.7	8.8	9.3	10.1	9.4	9.5	12.2	11.7	11.9
28	7.2	6.1	6.7	9.2	8.8	9.0	10.2	10.1	10.1	12.2	12.2	12.2
29	8.0	7.9	8.0	9.8	9.1	9.4	10.1	9.8	9.9	12.2	12.0	12.1
30	8.4	8.0	8.2	9.8	9.2	9.6	10.5	9.9	10.2	12.0	11.4	11.7
31	8.6	8.5	8.6	---	---	---	10.8	10.5	10.7	11.4	10.4	10.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.3	10.1	10.2	---	---	---	8.0	7.5	7.8	5.9	5.1	5.5
2	10.6	10.3	10.5	---	---	---	7.9	7.5	7.7	6.7	6.0	6.4
3	11.0	10.7	10.9	9.8	9.4	9.6	7.6	7.2	7.4	7.0	6.0	6.5
4	11.9	10.9	11.5	9.4	9.2	9.3	7.6	7.2	7.4	6.4	6.4	6.5
5	11.5	11.3	11.4	9.2	8.9	9.1	7.6	7.4	7.5	6.4	6.3	6.4
6	11.2	10.6	10.9	8.9	8.6	8.7	8.0	7.6	7.8	6.3	6.1	6.3
7	11.2	10.8	11.0	8.9	8.6	8.7	8.4	7.9	8.0	6.3	6.1	6.3
8	11.3	11.2	11.3	9.6	8.9	9.3	8.1	7.9	8.0	6.2	6.1	6.2
9	11.2	10.9	11.0	9.6	9.5	9.5	8.2	7.9	8.1	6.2	6.0	6.2
10	10.9	10.7	10.8	9.4	9.0	9.3	8.1	7.8	7.9	6.2	6.0	6.2
11	10.9	10.8	10.8	9.0	8.6	8.8	7.9	7.6	7.8	6.2	6.0	6.2
12	11.0	10.8	10.9	8.6	8.2	8.4	7.9	7.5	7.7	6.2	6.0	6.1
13	10.9	10.8	10.8	8.2	7.7	7.9	7.5	7.0	7.4	6.1	5.8	6.0
14	10.9	10.7	10.8	7.7	7.6	7.7	7.2	6.9	7.0	5.9	5.6	5.8
15	10.8	10.5	10.7	7.9	7.7	7.8	7.1	6.7	6.9	5.8	5.6	5.7
16	10.4	9.8	10.1	8.3	7.9	8.1	7.0	6.7	6.8	5.7	5.5	5.7
17	9.7	9.3	9.5	8.3	8.1	8.2	6.8	6.6	6.7	5.6	5.5	5.6
18	9.8	9.2	9.4	8.0	7.7	7.9	7.0	6.6	6.8	7.3	5.5	6.7
19	10.2	9.8	10.1	7.7	7.3	7.5	7.1	6.7	7.0	7.2	7.0	7.2
20	10.3	10.1	10.2	7.3	6.9	7.1	7.2	7.1	7.2	7.3	7.0	7.2
21	10.1	9.0	9.5	6.9	6.8	6.8	7.2	7.0	7.2	7.0	6.9	7.0
22	---	---	---	7.0	6.7	6.9	7.1	7.0	7.1	6.9	6.8	6.9
23	---	---	---	7.2	6.9	7.1	7.5	7.1	7.4	6.8	6.6	6.8
24	---	---	---	7.4	7.2	7.3	7.5	7.0	7.3	6.7	6.4	6.6
25	---	---	---	7.5	7.3	7.5	7.0	6.9	7.0	6.4	6.3	6.4
26	---	---	---	7.4	7.2	7.3	6.9	6.5	6.8	6.5	5.9	6.2
27	---	---	---	8.0	7.4	7.7	6.5	6.3	6.4	6.2	6.0	6.1
28	---	---	---	8.4	8.0	8.2	6.3	6.0	6.2	6.1	5.9	6.0
29	---	---	---	8.6	8.4	8.6	6.4	5.8	6.1	6.1	5.7	6.0
30	---	---	---	8.6	8.0	8.3	5.9	5.5	5.8	6.2	4.8	5.5
31	---	---	---	8.0	7.7	7.8	---	---	---	---	---	---

Santee River Basin

02160775 HELLERS CREEK NEAR POMARIA, S.C.

LOCATION.--Lat 34°21'38", long 81°29'32", Newberry County, Hydrologic Unit 03050106, at Road 55 bridge 7.8 mi (12.6 km) northwest of Pomaria and 9.2 mi (14.8 km) northeast of Newberry.

DRAINAGE AREA.--8.16 mi² (21.1 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 375 ft (114 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage-height or doubtful record, May 1-31 and Aug. 1 to Sept. 12, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 704 ft³/s (19.9 m³/s) Dec. 31, 1981, gage height, 7.94 ft (2.420 m); minimum daily, 1.30 ft³/s (0.037 m³/s) Oct. 9, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 704 ft³/s (19.9 m³/s) Dec. 31, gage height, 7.94 ft (2.420 m); minimum daily, 1.30 ft³/s (0.037 m³/s) Oct. 9.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	3.0	4.1	94	12	25	9.5	13	193	4.1	6.5	2.3
2	1.5	2.6	4.1	20	11	17	15	11	28	3.6	4.0	2.3
3	1.5	2.5	3.3	93	212	11	13	10	26	3.5	2.8	2.2
4	1.5	2.4	3.0	203	41	9.7	11	9.5	57	3.3	2.4	2.2
5	1.4	2.4	2.6	34	21	9.2	14	9.0	37	3.5	2.1	2.2
6	1.4	2.4	2.5	12	16	9.0	14	8.5	27	3.3	2.5	2.1
7	1.4	2.4	2.4	11	9.7	16	11	8.0	15	3.1	4.0	2.1
8	1.4	2.4	2.4	11	8.8	12	24	7.5	7.1	3.0	6.5	2.0
9	1.3	2.2	2.2	10	8.3	10	30	7.5	5.9	2.8	4.8	2.0
10	1.4	2.2	2.2	10	8.5	9.7	13	7.0	5.1	2.8	3.8	2.4
11	1.5	2.2	2.2	9.7	8.0	9.7	12	6.5	6.3	3.0	4.0	3.4
12	1.5	2.2	2.2	9.7	7.8	9.5	11	6.0	5.5	3.3	8.0	2.3
13	1.6	2.2	2.2	9.5	7.6	9.2	11	5.8	13	2.7	7.8	2.2
14	1.5	2.2	2.7	9.0	7.6	9.0	11	5.4	12	2.7	4.4	2.2
15	1.5	2.2	8.5	8.8	7.6	11	40	5.0	6.7	2.7	3.4	2.2
16	1.6	2.2	3.5	8.5	12	14	14	4.4	5.3	9.2	3.3	2.2
17	1.6	2.2	14	8.5	56	11	57	4.2	4.8	3.8	3.2	2.2
18	1.6	2.1	12	8.3	19	10	34	4.0	4.8	2.8	6.5	2.2
19	1.7	2.1	10	8.3	12	9.7	16	3.8	4.6	2.6	5.5	2.2
20	1.8	2.2	9.0	8.3	9.5	9.5	23	4.0	4.3	2.4	4.4	2.4
21	1.9	2.1	8.0	40	9.0	9.2	16	6.0	4.1	2.3	3.8	2.2
22	2.0	2.1	7.4	18	8.8	9.5	16	18	7.8	2.2	3.6	2.4
23	2.0	2.1	6.9	31	8.5	9.5	15	19	6.1	4.0	3.3	2.2
24	2.5	2.2	6.5	31	8.5	9.5	15	11	4.8	9.0	3.0	2.0
25	4.6	2.4	107	15	8.3	9.5	19	8.0	4.4	4.2	2.8	2.0
26	8.8	2.2	36	12	8.3	9.2	47	72	4.3	2.4	2.7	2.0
27	10	2.2	14	11	22	9.5	50	30	7.4	2.0	2.6	1.9
28	7.4	2.2	13	11	28	9.5	20	7.5	8.0	1.9	2.5	1.9
29	5.9	2.1	12	11	---	9.5	18	6.5	5.9	1.8	2.5	1.8
30	4.8	2.1	12	10	---	9.5	12	7.0	4.8	2.4	2.4	1.8
31	3.5	---	181	10	---	9.5	---	17	---	5.0	2.4	---
TOTAL	83.7	68.0	635.2	786.6	596.8	335.1	625.5	342.1	526.0	105.4	121.5	65.5
MEAN	2.70	2.27	20.5	25.4	21.3	10.8	20.9	11.0	17.5	3.40	3.92	2.18
MAX	10	3.0	181	203	212	25	57	72	193	9.2	8.0	3.4
MIN	1.3	2.1	2.2	8.3	7.6	9.0	9.5	3.8	4.1	1.8	2.1	1.8
CAL YR 1981 TOTAL	2342.3		MEAN 6.42	MAX 182	MIN 1.3							
WTR YR 1982 TOTAL	4291.4		MEAN 11.4	MAX 212	MIN 1.3							

SANTÉE RIVER BASIN

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02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.

LOCATION.--Lat 34°18'17", long 81°19'14", Fairfield County, Hydrologic Unit 03050106, on left bank at Fairfield Pump Storage Intake, 7.0 mi (11.2 km) northwest of Jenkinsville.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1978 to current year.

pH: March 1978 to current year.

WATER TEMPERATURE: March 1978 to current year.

DISSOLVED OXYGEN: March 1978 to current year.

INSTRUMENTATION.--Water-quality monitor since March 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 116 micromhos Oct. 19, 1981; minimum, 32 micromhos Jan. 6, 1982.

pH: Maximum, 9.1 units June 20, 1978; minimum, 6.2 units July 27, 1982.

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

DISSOLVED OXYGEN: Maximum, 15.0 mg/L Dec. 27, 1980; minimum, 1.1 mg/L Aug. 3, 1980.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 116 micromhos Oct. 19; minimum, 32 micromhos Jan. 6.

pH: Maximum, 8.6 units May 8; minimum, 6.2 units July 27.

WATER TEMPERATURE: Maximum, 32.7°C July 21; minimum, 1.0°C Jan. 15.

DISSOLVED OXYGEN: Maximum, 14.3 mg/L Jan. 12; minimum, 3.4 mg/L July 25.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	97	88	90	---	---	---	87	84	86	69	36	56
2	92	88	89	---	---	---	88	83	85	70	67	68
3	106	89	93	88	87	88	88	84	86	71	47	68
4	112	88	94	90	85	88	85	78	84	68	35	59
5	111	88	90	90	84	86	86	84	85	67	58	64
6	89	87	88	92	86	88	86	79	85	66	32	61
7	89	87	88	89	87	88	86	76	82	66	65	65
8	90	87	88	104	86	92	82	77	80	70	54	63
9	103	88	91	103	86	91	81	78	80	70	66	69
10	106	87	92	102	85	89	80	76	79	68	66	67
11	116	88	92	94	86	88	81	77	79	68	64	67
12	89	87	88	100	86	88	80	75	78	68	50	62
13	89	86	88	91	87	89	78	75	76	68	51	63
14	93	86	88	98	87	91	78	75	77	66	50	62
15	111	85	89	98	87	90	78	71	77	66	47	61
16	95	85	87	102	86	89	78	66	74	65	51	57
17	99	85	89	87	84	86	76	51	69	65	60	63
18	103	86	90	91	85	86	76	52	71	65	54	61
19	116	86	92	91	83	86	76	60	73	65	52	61
20	100	87	89	94	84	87	75	61	72	66	55	62
21	103	86	90	89	87	88	75	57	71	65	60	63
22	95	85	87	105	87	90	73	63	71	65	62	64
23	97	85	87	103	87	90	71	67	70	66	62	65
24	88	86	87	91	85	88	72	66	70	64	52	59
25	88	86	87	92	85	88	75	70	73	63	50	58
26	101	84	87	94	84	88	74	70	73	63	45	59
27	104	83	88	88	82	84	73	60	69	64	56	62
28	103	82	90	84	83	84	71	53	67	63	48	59
29	---	---	---	88	83	85	71	55	68	65	50	59
30	---	---	---	86	83	85	73	70	72	65	60	62
31	---	---	---	---	---	---	73	61	71	63	58	61

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER			NOVEMBER		DECEMBER		JANUARY	
1	6.8	6.7	---	---	7.0	7.0	6.9	6.5
2	6.8	6.7	---	---	7.1	6.9	7.0	6.9
3	6.9	6.8	6.9	6.9	7.1	7.0	7.0	6.6
4	6.9	6.7	7.5	6.9	7.1	7.0	6.9	6.4
5	6.9	6.7	8.3	6.8	7.0	7.0	6.9	6.7
6	6.8	6.7	6.9	6.8	7.0	6.9	6.9	6.3
7	6.9	6.7	6.9	6.9	7.1	6.9	6.9	6.8
8	6.8	6.7	7.0	6.9	7.1	6.8	6.9	6.7
9	6.8	6.7	7.0	6.8	7.0	6.9	6.9	6.8
10	6.9	6.7	7.0	6.9	7.1	6.9	6.9	6.8
11	6.9	6.8	7.0	6.9	7.1	6.9	6.9	6.8
12	6.8	6.8	7.0	6.9	7.0	6.9	6.9	6.8
13	6.9	6.8	7.0	6.9	7.0	6.9	6.9	6.8
14	6.9	6.8	7.1	7.0	7.0	6.9	6.9	6.8
15	7.1	6.8	7.1	7.0	7.1	6.9	6.9	6.9
16	7.0	6.8	7.0	7.0	7.0	6.8	6.9	6.9
17	6.9	6.8	7.1	7.0	6.9	6.7	6.9	6.9
18	7.0	6.8	7.1	7.0	6.9	6.6	6.9	6.9
19	7.1	6.8	7.1	7.0	6.9	6.8	7.0	6.9
20	7.0	6.8	7.1	7.0	6.9	6.8	6.9	6.9
21	7.0	6.8	7.1	7.0	6.9	6.9	6.9	6.9
22	6.9	6.8	7.1	7.0	6.9	6.9	6.9	6.9
23	6.9	6.8	7.1	7.0	6.9	6.9	7.0	6.9
24	6.9	6.9	---	---	7.0	6.9	6.9	6.8
25	6.9	6.9	7.1	6.9	7.0	6.9	6.9	6.7
26	7.1	6.9	7.2	6.9	7.0	6.9	6.9	6.7
27	7.1	6.9	7.0	6.9	6.9	6.8	6.9	6.9
28	7.0	6.9	7.0	6.9	6.9	6.7	6.9	6.8
29	---	---	7.0	7.0	7.0	6.8	6.9	6.8
30	---	---	7.0	7.0	7.0	6.9	6.9	6.9
31	---	---	---	---	7.0	6.9	6.9	6.8
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
FEBRUARY			MARCH		APRIL		MAY	
1	6.9	6.8	6.9	6.8	6.9	6.8	7.0	6.6
2	6.9	6.9	6.9	6.8	7.0	6.8	7.2	6.6
3	6.9	6.9	6.9	6.8	6.9	6.6	7.7	6.7
4	7.0	6.6	6.9	6.7	6.9	6.7	7.9	6.7
5	7.0	6.7	6.9	6.8	7.0	6.8	6.9	6.7
6	6.9	6.5	6.9	6.7	6.9	6.7	7.3	6.6
7	6.9	6.5	6.9	6.8	7.0	6.8	7.8	6.6
8	6.9	6.6	6.9	6.8	6.9	6.8	8.6	6.6
9	6.9	6.6	6.9	6.8	6.9	6.8	8.5	8.3
10	6.8	6.7	6.8	6.8	7.0	6.8	8.5	6.8
11	6.8	6.8	6.8	6.8	7.0	6.8	8.4	6.8
12	6.8	6.8	6.8	6.8	6.9	6.8	7.9	6.6
13	6.9	6.8	6.8	6.8	6.8	6.7	8.2	6.6
14	6.8	6.8	7.0	6.7	7.0	6.8	8.1	6.7
15	6.8	6.8	7.0	6.8	7.4	6.8	8.2	6.6
16	6.8	6.8	7.1	6.8	7.1	6.8	7.5	6.6
17	6.9	6.8	6.9	6.8	6.9	6.7	8.1	6.6
18	6.8	6.6	6.8	6.7	7.1	6.7	8.1	6.6
19	6.8	6.5	6.8	6.7	7.0	6.7	7.6	6.6
20	6.8	6.6	6.9	6.7	7.3	6.7	6.9	6.6
21	6.8	6.7	6.8	6.7	7.5	6.7	8.1	6.6
22	6.8	6.7	6.9	6.7	7.2	6.7	8.5	6.6
23	6.8	6.8	7.0	6.7	7.0	6.8	8.0	6.6
24	6.8	6.7	7.0	6.8	7.0	6.7	8.3	6.6
25	6.8	6.8	7.0	6.8	6.9	6.8	8.4	6.5
26	6.9	6.8	6.9	6.7	6.9	6.7	8.4	6.6
27	6.9	6.8	7.1	6.8	7.0	6.7	8.1	6.5
28	6.9	6.9	7.0	6.8	7.0	6.6	8.2	6.4
29	---	---	7.1	6.9	7.1	6.6	8.2	6.5
30	---	---	6.9	6.8	7.1	6.5	6.8	6.4
31	---	---	6.9	6.7	---	---	7.1	6.4

SANTEE RIVER BASIN

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.6	23.8	24.3	---	---	---	14.1	13.8	14.0	9.8	6.2	8.4
2	24.3	23.5	24.1	---	---	---	14.0	11.1	13.4	10.1	9.5	9.8
3	24.5	21.7	23.3	18.9	16.1	18.4	13.7	10.7	13.1	9.8	8.0	9.5
4	23.7	21.1	23.1	20.2	18.1	18.6	13.6	9.3	12.6	9.6	7.5	8.9
5	23.5	21.1	23.1	19.6	17.3	18.5	13.4	12.3	13.1	9.8	8.8	9.2
6	23.6	23.1	23.4	18.4	17.2	18.1	13.1	9.6	12.8	9.5	7.5	9.0
7	24.0	23.2	23.5	18.1	17.6	17.9	12.8	8.4	11.7	9.6	9.5	9.5
8	23.3	22.8	23.1	17.9	15.9	17.3	13.0	9.6	12.2	9.4	8.6	9.0
9	23.7	21.6	22.9	18.2	15.7	17.3	12.7	10.5	12.3	8.6	8.5	8.5
10	22.9	20.9	22.3	18.2	17.5	17.9	12.2	9.6	11.7	8.4	7.9	8.1
11	22.3	19.4	21.8	18.4	15.4	17.6	12.4	8.9	11.5	7.8	7.3	7.6
12	22.2	21.9	22.0	17.9	14.5	17.2	12.0	9.1	11.3	8.3	4.7	6.8
13	21.8	21.2	21.5	17.5	14.5	17.1	11.6	9.5	11.0	7.2	3.0	6.2
14	21.6	20.5	21.2	17.2	13.5	16.1	11.3	9.3	10.8	7.1	1.9	5.8
15	22.0	17.9	21.1	17.0	13.0	16.1	11.1	7.3	10.3	6.5	1.0	5.1
16	22.1	19.8	21.3	17.0	14.0	16.3	11.1	6.8	10.0	6.3	1.5	4.3
17	21.3	19.8	20.9	16.5	12.2	15.6	10.8	6.3	9.6	6.8	5.6	6.4
18	21.0	19.4	20.7	16.2	12.7	15.6	10.8	6.7	9.9	6.2	2.9	5.5
19	20.6	18.6	20.2	16.2	12.2	15.3	10.1	6.7	9.5	6.8	3.2	5.7
20	20.4	19.0	20.1	16.0	12.5	15.2	9.8	6.3	9.0	7.0	3.8	5.9
21	21.5	18.3	20.1	16.9	12.4	15.5	9.5	4.3	8.7	7.1	5.3	6.5
22	20.8	19.0	20.2	16.7	12.7	15.8	10.6	6.1	9.1	7.0	6.5	6.8
23	20.1	19.0	20.0	16.7	15.7	16.0	9.5	8.1	9.1	6.8	6.6	6.7
24	19.9	19.2	19.6	---	---	---	10.1	8.0	9.6	6.4	5.6	6.0
25	19.3	18.5	19.0	15.1	12.2	14.3	9.8	8.7	9.6	6.3	5.5	6.0
26	19.1	15.8	18.7	14.8	10.9	13.5	9.6	8.5	9.4	6.1	5.4	5.9
27	19.3	15.8	18.6	14.7	13.8	14.5	9.6	8.2	9.2	6.6	5.1	6.0
28	20.3	15.6	18.8	14.9	14.6	14.8	10.0	7.6	9.3	6.1	4.3	5.7
29	---	---	---	14.9	13.7	14.5	10.1	8.1	9.5	7.7	4.2	5.8
30	---	---	---	14.7	14.1	14.4	9.7	9.2	9.4	7.8	6.0	6.6
31	---	---	---	---	---	---	9.4	7.7	9.0	6.8	5.4	6.0

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.1	6.1	7.0	9.4	6.8	8.2	13.7	12.4	13.0	18.0	15.5	17.1
2	8.9	6.5	7.3	8.3	7.5	8.1	16.4	13.0	14.0	19.7	16.0	17.4
3	6.9	6.5	6.7	8.5	8.0	8.2	14.0	10.0	11.6	21.4	16.2	18.6
4	7.5	6.7	7.1	9.5	8.0	8.6	15.0	11.2	13.0	20.0	16.2	18.4
5	7.5	6.8	7.2	9.8	8.3	8.8	17.0	12.5	14.1	18.0	16.7	17.5
6	7.5	7.0	7.2	11.5	8.5	9.4	15.0	12.5	13.3	18.2	16.5	17.0
7	8.1	7.1	7.5	9.1	9.0	9.1	15.0	12.7	13.5	18.7	16.7	17.6
8	8.6	7.0	7.6	10.3	8.8	9.2	13.9	12.7	13.0	21.4	17.0	19.0
9	8.0	7.0	7.3	9.5	8.4	8.8	12.5	12.0	12.3	21.5	20.7	21.1
10	8.7	7.0	7.7	9.5	8.2	8.9	14.5	12.2	12.7	22.0	17.0	20.0
11	8.5	7.5	7.8	10.2	8.4	8.8	14.2	12.4	13.1	22.5	17.9	20.6
12	8.0	7.1	7.5	11.5	8.5	9.5	14.0	12.7	13.0	21.4	16.2	19.6
13	8.3	7.5	7.9	13.3	8.7	10.3	12.7	12.2	12.4	22.2	16.4	19.6
14	8.8	7.5	8.0	15.6	9.5	12.3	14.4	13.0	13.5	22.5	18.0	20.0
15	9.0	7.5	7.9	14.6	9.8	12.7	17.7	13.9	15.8	25.5	18.0	21.3
16	9.7	7.5	8.1	14.0	10.0	11.9	17.2	13.7	15.4	23.2	17.9	20.5
17	11.1	7.5	8.9	12.2	9.1	10.6	18.4	12.9	14.4	24.2	19.7	21.9
18	11.5	8.2	9.1	12.1	10.0	11.0	18.9	15.2	16.8	23.5	18.9	20.8
19	10.8	8.2	8.8	13.9	10.1	11.4	19.0	14.2	15.6	23.0	17.7	19.7
20	9.6	8.0	8.7	13.2	10.2	11.2	17.0	14.2	15.7	23.2	17.5	20.2
21	9.3	8.0	8.4	16.9	10.5	13.7	17.7	14.7	16.4	22.5	17.5	20.8
22	9.9	8.3	8.9	18.4	11.0	13.5	17.0	15.5	16.3	24.2	18.7	21.9
23	10.2	8.4	8.9	15.5	11.7	13.8	16.2	15.0	15.7	25.2	19.9	22.7
24	10.5	7.8	8.7	17.2	12.0	13.7	16.5	14.4	15.4	25.5	20.5	23.3
25	9.2	8.3	8.9	15.2	12.5	13.5	16.7	14.9	15.8	26.7	20.2	23.4
26	11.8	8.5	9.5	14.8	11.7	13.2	16.2	14.7	15.4	25.7	19.9	22.6
27	9.2	8.2	8.7	13.9	12.6	13.3	18.5	15.2	16.2	24.5	19.5	22.0
28	8.5	6.9	8.0	14.5	12.9	13.7	19.2	16.2	17.7	25.0	20.5	22.7
29	---	---	---	13.8	12.5	13.2	18.7	16.0	17.7	24.7	21.0	23.3
30	---	---	---	13.0	12.0	12.8	18.2	16.0	17.6	25.0	21.0	23.1
31	---	---	---	14.2	11.9	12.7	---	---	---	24.9	21.5	23.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE												
1	25.5	21.2	23.6	29.2	26.5	27.7	28.7	27.0	27.8	27.0	26.7	26.9
2	28.5	22.2	24.8	27.9	25.7	27.2	28.5	26.5	27.7	26.9	26.7	26.8
3	28.0	22.2	23.9	27.0	25.0	25.9	29.4	26.5	28.3	26.9	26.7	26.7
4	25.5	23.0	24.5	29.5	25.7	27.3	28.5	27.4	27.9	27.2	26.5	26.8
5	27.9	22.0	24.0	28.7	26.0	27.8	27.5	26.7	27.3	26.9	26.2	26.7
6	25.5	23.2	24.1	28.4	26.0	27.7	27.7	26.7	27.4	27.5	26.5	27.0
7	26.5	23.2	24.3	27.9	25.9	27.0	28.9	27.2	27.6	27.0	25.2	26.6
8	25.2	22.7	24.1	27.7	26.0	27.0	27.7	27.0	27.3	26.9	26.0	26.6
9	26.4	23.2	24.7	27.4	26.0	26.6	27.5	27.0	27.2	26.7	25.5	26.3
10	25.7	22.2	23.6	28.0	26.2	27.4	27.5	27.0	27.3	26.2	25.2	26.0
11	26.7	23.0	24.9	---	---	---	27.7	27.0	27.3	26.0	25.0	25.8
12	26.0	22.7	24.1	---	---	---	31.0	27.2	28.0	27.0	24.2	25.6
13	25.5	23.0	23.9	29.7	28.0	28.9	28.2	25.9	27.5	26.2	25.0	25.8
14	27.2	23.5	24.9	28.4	26.5	27.1	29.0	25.4	27.5	26.0	25.0	25.7
15	25.0	23.0	24.0	28.0	26.5	27.5	29.7	26.0	27.2	28.5	25.4	26.3
16	24.9	23.0	23.8	27.7	26.5	27.2	27.5	26.4	27.0	27.5	25.7	26.4
17	25.2	23.5	24.3	28.7	26.4	27.2	27.5	27.0	27.3	26.9	25.9	26.2
18	25.5	24.4	25.1	28.5	26.7	27.5	28.0	26.9	27.4	26.0	25.7	25.9
19	25.2	24.0	24.7	30.0	26.5	27.7	28.2	26.5	27.5	26.4	25.7	26.0
20	26.2	24.2	24.9	28.2	26.0	27.2	27.5	26.5	27.1	26.4	25.7	26.0
21	26.2	23.5	25.1	32.7	27.0	29.2	27.5	26.7	27.2	26.2	25.7	25.9
22	26.0	24.5	25.2	29.4	26.7	27.9	27.9	26.9	27.4	26.2	25.0	25.7
23	26.2	24.4	25.3	28.9	27.0	28.1	27.5	27.0	27.3	25.7	24.0	25.2
24	29.2	25.0	26.9	29.5	27.4	28.4	28.2	26.9	27.3	25.2	23.9	25.0
25	26.9	24.5	25.5	31.2	27.4	28.9	28.0	27.0	27.3	25.2	25.0	25.1
26	28.4	24.5	25.4	31.5	25.0	28.6	29.0	27.2	28.0	25.0	23.0	24.7
27	26.0	24.4	25.4	27.5	26.7	27.1	27.7	27.0	27.4	24.7	23.0	24.4
28	26.2	24.5	25.1	27.6	27.0	27.2	29.2	27.2	28.0	26.0	22.2	24.6
29	26.4	24.7	25.2	28.7	27.4	28.0	27.7	27.0	27.5	25.4	23.5	24.8
30	29.0	25.2	26.5	28.5	27.4	27.7	27.2	26.7	27.1	25.0	23.0	24.5
31	---	---	---	28.7	27.2	27.7	27.0	26.5	26.9	---	---	---
YEAR	32.7	1.0	18.0									

SANTEE RIVER BASIN

02160900 MONTICELLO RESERVOIR NEAR JENKINSVILLE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.5	6.4	6.9	---	---	---	9.1	9.0	9.1	12.2	9.7	10.4
2	7.8	6.8	7.3	---	---	---	10.2	9.0	9.3	10.3	9.8	10.0
3	8.4	7.5	7.9	8.7	8.5	8.6	10.4	9.0	9.4	10.8	10.1	10.3
4	7.8	7.0	7.3	9.9	8.5	8.9	10.8	9.2	9.6	11.2	10.3	10.6
5	8.2	7.3	7.6	10.9	8.4	9.0	9.6	9.2	9.3	11.0	10.5	10.7
6	7.8	7.3	7.5	8.7	8.3	8.6	10.5	9.2	9.4	11.8	10.6	10.8
7	8.5	7.5	7.9	8.7	8.5	8.6	10.9	9.3	9.7	10.8	10.5	10.6
8	8.2	7.6	7.7	8.8	8.4	8.6	10.9	9.6	10.2	11.0	10.7	10.8
9	8.2	7.6	7.9	8.9	8.3	8.4	11.2	10.1	10.3	11.4	11.3	11.4
10	8.5	7.7	7.9	8.2	7.8	8.0	11.5	10.2	10.4	12.2	12.0	12.1
11	8.4	7.7	8.0	8.7	7.8	8.1	11.5	10.2	10.5	13.2	12.8	12.9
12	8.1	7.9	8.0	9.5	7.8	8.2	11.3	10.3	10.5	14.3	10.8	11.6
13	8.4	8.1	8.2	9.5	8.0	8.4	11.4	10.2	10.6	12.6	10.9	11.4
14	8.5	8.2	8.4	9.4	8.0	8.5	11.5	9.9	10.5	13.1	10.8	11.5
15	9.6	8.3	8.7	9.6	8.1	8.5	12.2	9.8	10.4	13.2	11.0	11.6
16	9.0	8.2	8.6	8.8	8.1	8.3	12.3	10.5	10.9	13.3	11.1	12.1
17	8.9	8.3	8.6	9.6	8.1	8.6	12.5	10.5	11.1	11.5	11.1	11.2
18	9.2	8.3	8.5	10.0	8.2	8.7	12.1	10.3	10.8	12.9	11.1	11.6
19	9.7	8.5	8.7	9.8	8.2	8.6	11.5	10.3	10.8	13.2	11.3	11.7
20	9.0	8.4	8.6	9.5	8.2	8.6	12.1	10.7	11.0	12.8	11.2	11.7
21	9.2	8.5	8.7	9.6	8.2	8.6	12.6	10.3	10.9	12.0	11.1	11.3
22	9.0	8.5	8.7	9.6	8.1	8.6	11.8	10.4	10.9	11.2	11.1	11.2
23	9.2	8.6	8.7	9.9	8.1	8.4	11.6	10.9	11.1	11.2	11.2	11.2
24	8.9	8.7	8.7	---	---	---	12.0	10.9	11.1	11.8	11.2	11.4
25	9.0	8.8	8.9	10.1	8.9	9.2	11.5	10.9	11.1	12.2	11.3	11.6
26	9.9	8.8	9.0	10.8	8.9	9.4	11.8	11.2	11.4	12.0	10.9	11.3
27	9.9	8.7	9.0	9.4	8.9	9.1	12.0	11.5	11.7	11.5	11.0	11.2
28	9.8	8.8	9.2	9.3	9.0	9.1	12.4	11.7	11.8	11.9	11.0	10.6
29	---	---	---	9.6	9.1	9.3	12.4	11.5	11.8	11.4	10.2	10.6
30	---	---	---	9.2	9.0	9.1	11.9	11.6	11.7	10.5	10.3	10.4
31	---	---	---	---	---	---	12.1	11.5	11.6	11.4	10.5	10.7

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

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.

LOCATION.--Lat 34°15'38", long 81°19'50", Fairfield County, Hydrologic Unit 03050106, on left bank 100 ft (30 m) below dam, 0.3 mi (0.5 km) upstream from Mayo Creek, 2.5 mi (4.0 km) west of Jenkinsville, and at mile 201.4 (324 km).

DRAINAGE AREA.--4,750 mi² (10,340 km²), approximately.

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

PERIOD OF DAILY RECORDS.--

SPECIFIC CONDUCTANCE: October 1973 to current year.

pH: October 1973 to current year.

WATER TEMPERATURE: October 1973 to current year.

DISSOLVED OXYGEN: October 1973 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 121 micromhos Oct. 25, 1979; minimum, 30 micromhos Mar. 30, 1980.

pH: Maximum, 8.3 units July 24, 1977; minimum, 5.9 units Oct. 10, 1976.

WATER TEMPERATURE: Maximum, 32.5°C Aug. 25, 1975; July 25, 1976; July 11, 16, 1977; minimum, 0.5°C Jan. 19-21, 1977.

DISSOLVED OXYGEN: Maximum, 13.9 mg/L Jan. 21, 22, 1976; minimum, 2.9 mg/L July 2, 14-15, 1981.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 110 micromhos Sept. 6; minimum, 36 micromhos Feb. 5.

pH: Maximum, 7.0 units Nov. 20, 28-30; minimum, 6.1 units several days Jan., Feb., July, Aug.

WATER TEMPERATURE: Maximum, 30.0°C July 21; minimum, 1.0°C Jan. 15.

DISSOLVED OXYGEN: Maximum, 12.7 mg/L Jan. 16; minimum, 3.1 mg/L July 28.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	97	92	94	88	87	88	94	90	92	59	38	45
2	99	92	95	92	87	89	93	90	91	40	39	39
3	92	89	91	95	87	91	93	89	91	51	39	41
4	96	89	93	97	92	94	92	88	90	48	39	42
5	101	94	97	93	92	93	89	86	88	44	37	39
6	99	93	95	95	91	93	86	84	85	39	37	37
7	93	90	92	94	91	93	87	83	85	43	37	40
8	91	89	90	92	89	91	88	86	87	45	41	43
9	90	88	89	98	88	92	86	84	85	67	46	52
10	93	86	89	98	95	96	85	83	84	67	49	55
11	94	90	93	97	93	95	85	82	84	66	54	60
12	100	89	94	98	94	96	85	83	84	63	50	57
13	105	100	102	103	96	99	84	82	83	64	50	57
14	101	93	98	99	94	97	84	82	83	66	51	61
15	103	97	100	98	94	95	85	80	83	66	50	60
16	103	99	101	97	94	95	84	67	79	65	54	60
17	102	98	100	93	91	92	76	62	67	58	54	57
18	100	98	99	93	90	91	73	58	65	66	55	60
19	103	97	99	95	91	93	75	65	71	64	57	60
20	100	96	98	100	93	95	73	65	70	65	59	61
21	98	93	96	96	89	92	72	64	68	66	62	65
22	95	91	93	93	90	91	74	64	68	65	61	63
23	97	93	95	95	91	93	74	69	72	63	56	58
24	94	89	92	94	91	93	76	70	73	56	54	55
25	89	84	86	93	90	92	73	69	72	64	52	56
26	101	84	88	95	91	93	72	62	67	63	52	59
27	105	97	100	99	93	96	65	56	59	61	50	54
28	102	94	97	107	100	105	67	56	60	62	50	56
29	95	92	93	102	97	98	68	57	62	62	54	58
30	95	91	94	102	94	98	71	57	63	59	57	58
31	90	87	89	---	---	---	76	60	70	63	58	60

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	66	62	64	55	47	49	81	74	78	55	52	54
2	66	64	65	58	48	52	85	75	81	60	53	57
3	65	51	62	58	51	54	85	76	80	63	59	61
4	57	44	50	61	55	57	82	72	76	65	60	63
5	48	36	39	61	58	60	81	71	76	68	63	66
6	39	38	39	65	61	63	79	71	75	67	63	65
7	43	40	41	65	62	64	78	71	74	70	65	68
8	60	44	49	63	59	61	72	69	71	71	67	69
9	60	48	52	64	57	59	72	68	70	76	70	74
10	59	50	54	63	58	59	72	69	70	79	63	73
11	58	53	55	63	58	60	74	68	71	69	61	65
12	60	54	57	67	60	63	78	73	75	68	61	64
13	59	57	58	69	63	66	77	72	74	71	62	64
14	60	57	58	72	68	70	76	70	73	67	61	64
15	63	60	61	73	69	72	73	69	71	71	63	66
16	64	61	63	70	66	68	73	69	71	73	62	67
17	64	57	61	67	63	65	74	69	71	74	63	67
18	62	54	57	65	62	63	75	72	73	65	61	63
19	60	50	54	68	64	66	80	68	75	66	60	62
20	54	52	53	70	66	68	71	68	70	70	60	63
21	56	53	54	75	67	71	72	68	69	70	60	63
22	59	55	56	79	72	75	71	67	69	70	63	65
23	63	57	59	79	71	75	69	66	68	66	62	63
24	63	59	60	76	68	72	71	67	69	67	59	64
25	64	61	62	76	70	73	72	70	71	67	60	63
26	64	61	62	78	74	76	77	67	73	63	60	61
27	62	60	61	78	75	76	74	66	69	62	59	61
28	61	51	57	78	74	76	68	59	64	60	59	59
29	---	---	---	76	72	75	58	50	53	61	59	59
30	---	---	---	79	72	75	60	51	55	61	53	57
31	---	---	---	79	73	76	---	---	---	57	51	53
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	58	54	57	78	63	68	54	50	51	77	74	76
2	59	51	56	71	65	68	50	42	47	77	76	76
3	59	51	55	68	64	66	47	42	45	79	75	77
4	56	50	53	69	65	66	43	38	41	77	76	77
5	58	48	55	73	66	69	63	44	56	106	77	85
6	57	53	55	73	66	70	72	63	69	110	106	107
7	59	55	57	75	68	71	71	59	63	105	92	101
8	61	57	58	78	68	71	60	54	57	95	86	91
9	63	57	59	70	68	69	57	51	53	91	83	85
10	62	58	60	72	66	68	65	55	59	86	82	83
11	64	59	60	72	68	69	79	63	70	85	83	84
12	69	59	62	73	69	71	---	---	---	84	80	82
13	68	61	63	70	68	68	---	---	---	86	80	83
14	71	60	65	68	66	67	---	---	---	83	79	81
15	67	60	63	67	61	64	---	---	---	82	79	80
16	65	61	63	65	61	62	---	---	---	85	80	82
17	64	60	62	67	59	64	---	---	---	88	83	85
18	66	61	63	65	61	63	---	---	---	84	80	83
19	65	60	62	68	62	65	77	67	72	83	79	80
20	72	61	65	70	65	67	77	70	72	92	80	84
21	71	64	67	72	66	68	78	71	72	83	79	81
22	67	62	64	71	67	69	82	73	76	88	80	84
23	67	62	63	74	69	71	92	78	86	91	85	87
24	69	63	65	73	70	71	79	73	75	96	87	91
25	67	58	63	71	69	70	78	72	74	96	89	92
26	64	61	62	78	68	71	82	74	76	104	97	99
27	69	62	65	75	65	69	76	72	74	105	99	103
28	77	65	69	70	64	66	73	72	72	101	84	92
29	75	63	66	70	63	66	74	72	73	85	83	84
30	80	63	67	67	60	62	84	73	76	87	85	86
31	---	---	---	67	55	59	84	74	77	---	---	---
YEAR	110	36	71									

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

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

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.--Continued

PH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25.8	24.4	24.9	17.9	17.5	17.7	13.9	13.3	13.6	5.8	4.4	4.9
2	24.9	23.5	24.3	18.8	17.1	17.9	14.1	13.2	13.5	5.1	4.1	4.6
3	23.4	22.6	23.0	19.5	17.9	18.6	14.4	13.2	13.5	6.1	4.8	5.2
4	23.2	21.8	22.4	20.6	18.4	19.3	13.3	12.0	12.7	7.1	5.6	6.5
5	23.7	21.5	22.4	19.5	18.4	19.0	13.0	11.6	12.2	8.6	5.8	7.0
6	25.3	22.9	23.6	18.8	17.9	18.3	11.2	10.0	10.6	8.1	6.7	7.2
7	24.3	23.2	23.7	18.3	17.3	17.7	11.5	9.3	10.4	11.6	6.2	8.8
8	23.8	22.6	23.3	17.8	16.8	17.2	11.8	10.1	11.0	9.2	6.9	8.1
9	23.0	22.3	22.5	17.2	16.4	16.7	10.2	9.4	9.8	9.5	7.2	8.0
10	22.3	21.2	21.8	17.4	16.7	17.1	10.1	8.8	9.4	7.7	5.3	6.1
11	21.3	20.6	20.9	17.5	16.4	16.8	9.7	8.3	9.3	5.7	4.6	5.1
12	20.6	19.5	20.1	16.5	15.4	16.0	9.8	8.9	9.3	5.9	2.8	4.6
13	20.5	19.0	19.7	15.3	14.1	14.8	9.4	8.4	8.9	5.4	2.5	3.8
14	20.2	18.8	19.5	15.6	13.7	14.4	9.7	7.3	9.0	5.8	1.4	4.4
15	20.8	19.1	19.8	15.6	13.7	14.4	10.2	7.4	9.4	5.8	1.0	4.1
16	21.8	19.7	20.6	14.8	13.4	13.8	10.2	6.6	9.1	5.6	1.7	3.9
17	21.8	20.1	20.8	15.8	15.1	15.5	9.1	6.4	7.4	3.3	1.7	2.3
18	21.1	20.4	20.8	16.1	14.7	15.3	8.6	6.1	7.5	5.8	1.8	3.7
19	20.4	19.0	19.7	16.1	14.7	15.2	8.4	6.4	7.6	5.5	3.0	4.1
20	20.4	18.5	19.2	16.4	14.3	15.3	7.6	5.7	6.7	5.9	3.9	4.4
21	21.2	18.3	19.5	14.8	14.1	14.5	7.0	4.5	5.7	6.1	5.0	5.8
22	21.1	19.4	19.9	14.5	13.5	14.0	7.2	4.1	5.7	6.0	5.1	5.6
23	20.2	19.2	19.8	13.7	12.8	13.3	8.0	6.7	7.3	5.8	5.4	5.5
24	19.0	17.5	18.3	14.1	13.4	13.6	8.7	6.8	7.9	5.7	5.1	5.3
25	17.3	16.1	16.7	14.6	13.3	13.9	8.0	6.8	7.2	6.5	5.0	5.5
26	18.4	16.0	17.1	15.1	13.3	14.0	8.3	7.1	7.6	5.9	4.9	5.3
27	19.8	17.9	18.7	16.4	13.6	14.9	8.0	7.4	7.6	5.2	4.4	4.7
28	19.9	17.8	18.7	15.1	13.1	14.0	8.0	6.9	7.4	5.9	3.7	4.8
29	19.7	17.9	18.9	14.3	12.8	13.4	7.9	7.2	7.5	5.7	4.0	5.1
30	17.7	16.9	17.2	13.5	12.1	13.0	7.9	6.9	7.4	5.1	4.4	4.8
31	19.0	17.7	18.1	---	---	---	7.8	6.1	7.3	7.7	4.6	6.2

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	8.5	6.6	7.4	7.3	5.4	6.2	16.5	14.3	15.1	19.4	17.8	18.4
2	7.6	6.3	6.8	8.5	6.4	7.6	17.5	14.5	16.4	19.4	17.5	18.3
3	7.6	6.2	6.9	9.3	8.2	8.7	18.2	14.9	16.4	18.6	16.8	17.7
4	7.1	6.7	6.9	10.0	8.6	9.4	16.5	13.1	14.8	20.9	18.1	19.4
5	7.0	6.7	6.9	11.8	8.8	10.6	15.8	13.3	14.5	21.7	19.8	20.6
6	7.8	7.1	7.5	12.4	11.2	11.9	15.5	13.4	14.3	22.3	20.3	21.1
7	8.4	7.6	7.9	11.9	11.0	11.6	14.2	13.2	13.7	22.8	20.9	21.8
8	8.1	7.4	7.8	11.1	9.5	10.4	13.5	12.4	13.2	22.5	21.4	21.9
9	7.9	7.2	7.7	10.3	9.5	9.9	14.0	12.3	13.0	22.9	21.4	22.1
10	8.1	7.3	7.6	10.3	9.5	10.0	13.8	12.6	13.1	22.7	19.0	21.2
11	8.3	7.5	7.9	11.1	9.6	10.3	14.9	12.6	13.6	21.7	18.6	19.8
12	8.2	7.3	7.8	13.2	9.8	11.2	16.6	13.8	15.0	21.5	18.9	19.7
13	8.7	7.5	8.0	15.0	10.3	13.0	17.0	14.3	15.8	22.6	18.8	19.7
14	9.4	7.8	8.5	15.9	13.8	14.8	17.0	14.0	15.8	22.0	18.5	19.8
15	9.7	8.3	8.9	15.3	13.6	15.0	17.3	14.5	16.0	23.8	19.7	21.1
16	10.1	8.3	9.0	14.1	11.0	12.7	17.5	15.3	16.3	24.0	19.8	21.4
17	11.4	8.3	9.8	11.9	10.9	11.3	18.2	15.2	16.8	24.4	20.2	21.6
18	10.9	8.4	9.8	12.8	11.2	11.9	19.5	17.0	18.2	22.7	20.1	21.0
19	10.6	9.1	10.1	15.3	11.5	12.9	19.1	14.6	17.8	22.6	20.2	21.2
20	11.0	9.7	10.1	15.8	12.5	14.0	16.8	14.7	15.5	23.5	19.9	21.1
21	11.2	9.9	10.4	17.1	13.0	14.8	16.9	15.1	15.7	23.9	19.8	21.2
22	10.5	10.1	10.3	18.2	15.1	16.4	17.1	15.3	16.1	23.6	20.7	21.9
23	10.7	9.9	10.3	18.1	14.5	16.1	17.1	15.1	16.0	23.6	21.3	22.3
24	12.6	10.3	11.3	16.0	12.3	14.5	17.9	15.5	16.6	24.8	22.3	23.7
25	12.1	10.4	11.3	16.4	12.8	14.5	17.1	16.8	17.0	25.1	21.8	22.9
26	10.9	8.1	9.6	16.6	14.8	15.7	18.3	16.0	17.1	23.7	21.6	22.3
27	8.2	7.8	8.0	15.6	14.3	15.0	18.9	15.6	16.9	23.2	20.9	21.9
28	8.0	5.8	7.1	14.8	13.6	14.2	18.7	17.5	18.2	24.2	21.3	22.4
29	---	---	---	14.2	13.1	13.5	18.6	17.9	18.3	24.0	21.0	22.1
30	---	---	---	15.4	12.8	13.8	18.1	17.2	17.8	25.1	22.0	23.7
31	---	---	---	15.3	13.4	14.3	---	---	---	26.4	23.3	24.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	24.9	22.3	23.2	28.2	25.3	26.6	27.3	26.7	27.0	27.3	26.7	26.9
2	24.8	22.5	23.3	28.0	26.0	26.7	27.3	26.6	27.0	28.1	26.7	27.2
3	25.0	22.9	24.0	27.9	25.8	26.7	28.0	26.3	27.2	27.6	26.7	27.1
4	24.5	23.4	23.9	28.6	25.9	26.9	28.4	27.6	28.0	27.5	26.2	27.0
5	23.7	22.8	23.1	28.6	26.5	27.5	28.0	26.9	27.5	26.8	25.1	26.1
6	24.4	22.8	23.5	28.2	26.6	27.5	27.8	26.6	27.2	26.7	25.0	25.8
7	26.0	23.0	24.3	28.1	26.8	27.5	28.5	27.4	27.8	26.7	25.0	25.9
8	25.8	23.2	24.0	28.7	26.6	27.3	29.6	27.6	28.3	26.9	25.9	26.5
9	27.1	23.1	24.3	28.2	26.5	27.1	28.8	27.6	28.0	26.8	26.2	26.5
10	25.5	24.0	24.7	28.0	26.5	27.1	28.3	27.1	27.8	26.1	25.7	25.9
11	26.1	23.9	24.7	28.0	26.7	27.3	28.5	27.0	27.7	25.6	25.1	25.4
12	25.9	24.2	25.1	28.5	26.8	27.5	28.5	27.1	27.5	26.8	25.0	25.7
13	25.1	23.8	24.6	28.3	26.4	27.1	27.4	26.4	27.0	25.8	25.4	25.6
14	26.3	23.3	24.7	27.5	26.9	27.3	27.7	26.4	27.1	26.0	25.5	25.8
15	26.1	24.2	25.1	28.9	27.2	27.6	28.8	27.0	27.7	27.2	25.8	26.3
16	26.6	24.3	25.4	28.0	27.1	27.5	28.4	27.0	27.6	27.4	26.2	26.7
17	25.7	24.0	24.8	27.7	26.7	27.3	28.2	27.1	27.6	27.8	26.2	26.8
18	25.9	24.7	25.1	28.9	27.0	27.8	28.0	26.9	27.4	28.0	26.4	27.0
19	26.1	24.2	25.0	29.2	27.2	28.0	27.7	26.5	27.1	26.8	26.3	26.6
20	26.6	24.4	25.5	29.0	27.0	27.8	28.6	27.1	27.7	26.7	26.1	26.4
21	27.1	24.6	25.7	30.0	26.9	28.1	28.4	27.0	27.7	26.2	25.8	26.0
22	26.4	24.4	25.1	28.7	27.7	28.2	28.1	26.8	27.6	25.9	24.9	25.4
23	27.0	24.6	25.2	29.9	27.6	28.4	28.9	27.0	27.7	25.7	24.2	24.9
24	27.2	24.9	25.7	28.7	28.0	28.3	28.9	27.1	27.8	25.2	23.9	24.5
25	26.3	25.1	25.7	28.8	27.7	28.0	29.1	27.4	28.2	24.7	23.5	24.0
26	26.0	25.1	25.5	29.9	27.6	28.4	28.6	27.5	28.0	23.9	21.7	22.9
27	27.1	25.5	26.1	29.6	27.7	28.4	29.0	27.7	28.2	22.9	21.3	22.1
28	27.8	25.5	26.4	28.9	27.5	28.1	28.7	27.5	28.0	25.0	22.3	23.6
29	27.2	24.9	25.9	29.0	27.6	28.3	28.0	27.1	27.6	25.2	24.0	24.5
30	27.3	24.7	26.0	28.9	27.6	28.1	27.6	26.5	27.1	24.3	23.6	24.0
31	---	---	---	28.2	26.9	27.6	27.6	26.7	27.0	---	---	---
YEAR	30.0	1.0	17.9									

02160991 BROAD RIVER NEAR JENKINSVILLE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.1	6.0	6.4	6.7	6.2	6.5	7.2	6.6	6.8	11.1	10.6	10.8
2	7.0	5.8	6.4	7.1	6.7	6.9	8.6	6.5	8.0	11.7	11.0	11.3
3	6.6	6.2	6.4	7.8	6.1	7.3	6.9	5.5	5.8	9.9	8.8	9.2
4	7.2	6.1	6.5	6.3	4.0	5.0	7.8	5.9	6.4	10.6	8.9	9.4
5	7.4	5.8	6.2	5.3	5.0	5.2	7.3	6.8	7.1	11.6	10.1	10.8
6	8.9	7.9	8.5	6.1	5.8	6.0	7.9	7.6	7.7	11.0	9.7	10.5
7	8.9	7.6	8.3	7.0	6.6	6.8	8.7	8.1	8.4	10.5	9.5	10.0
8	8.6	7.8	8.2	7.5	7.2	7.4	9.5	8.6	9.0	10.5	9.5	9.9
9	8.1	7.4	7.7	8.0	6.7	7.6	9.9	9.4	9.6	10.1	9.3	9.6
10	7.8	7.3	7.7	7.3	6.8	7.1	10.0	9.5	9.7	10.1	9.3	9.6
11	7.7	7.2	7.4	7.5	7.1	7.3	9.8	9.5	9.7	10.8	9.6	10.0
12	7.9	7.1	7.6	7.8	7.1	7.5	9.9	9.6	9.8	11.7	10.6	11.0
13	7.5	5.2	6.5	8.2	7.2	7.5	10.2	9.3	9.7	11.8	11.0	11.4
14	7.9	6.4	7.3	8.0	7.4	7.6	10.2	9.0	9.4	12.4	10.7	11.2
15	7.3	7.0	7.2	8.3	8.1	8.2	10.5	9.4	9.8	12.6	10.8	11.4
16	7.5	6.8	7.2	8.8	8.2	8.5	10.8	9.8	10.4	12.7	11.0	11.7
17	7.8	7.1	7.3	8.3	8.1	8.2	10.6	9.4	10.0	12.6	11.8	12.5
18	7.8	7.4	7.6	8.6	8.4	8.5	10.4	8.7	9.9	12.5	11.1	11.9
19	7.8	6.6	7.2	9.3	8.8	9.0	9.6	7.6	8.4	12.4	11.2	11.8
20	6.8	4.9	6.0	10.2	9.3	9.7	8.7	7.8	8.3	12.2	11.2	11.9
21	6.2	5.0	5.7	10.1	9.4	9.7	11.2	8.9	9.4	11.8	11.0	11.3
22	6.6	5.3	6.0	10.1	9.2	9.9	11.9	9.5	10.4	11.7	11.2	11.4
23	6.7	5.5	6.0	9.9	9.4	9.7	11.2	9.9	10.7	11.6	11.3	11.5
24	6.5	5.9	6.3	9.9	9.2	9.8	10.5	7.7	8.8	11.6	11.5	11.6
25	7.3	6.7	6.9	9.2	8.4	8.7	11.6	8.2	8.9	11.7	11.2	11.5
26	8.3	6.4	7.3	9.6	8.1	8.5	11.3	8.8	9.5	11.7	11.3	11.4
27	8.3	7.4	7.8	10.8	9.1	10.3	10.4	9.5	9.8	11.8	11.4	11.7
28	8.1	7.5	7.8	11.1	10.0	10.7	10.7	9.9	10.3	11.8	11.3	11.6
29	7.7	7.2	7.5	10.6	8.5	9.0	10.2	9.8	10.1	12.0	11.3	11.6
30	7.1	5.0	5.7	9.8	8.2	9.0	10.2	9.8	10.1	12.1	11.6	11.9
31	8.1	7.4	7.7	---	---	---	10.6	9.7	10.0	12.1	11.7	11.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.7	11.1	11.4	11.5	10.6	11.0	9.1	8.6	8.9	7.4	7.1	7.3
2	11.2	10.8	11.1	10.8	10.0	10.4	9.0	8.5	8.8	7.4	7.1	7.3
3	11.3	10.9	11.1	10.2	9.8	10.0	8.9	8.3	8.6	7.6	7.0	7.4
4	11.8	11.0	11.3	9.8	9.4	9.7	8.8	8.4	8.7	7.3	6.5	6.8
5	12.0	11.6	11.8	9.7	9.1	9.3	9.1	8.3	8.7	6.7	6.6	6.7
6	11.6	11.1	11.3	9.1	8.7	8.9	9.0	8.5	8.8	7.4	6.6	6.9
7	11.1	10.8	10.9	9.0	8.8	8.9	9.0	8.4	8.8	6.9	6.6	6.9
8	11.0	10.7	10.9	9.8	8.9	9.3	9.4	8.8	9.1	6.8	6.5	6.8
9	11.0	10.8	10.9	10.0	9.2	9.7	9.4	9.2	9.3	6.7	6.5	6.7
10	11.0	10.8	10.9	10.0	9.8	9.9	9.3	9.1	9.2	7.7	6.2	6.9
11	10.9	10.8	10.9	9.9	9.7	9.9	9.2	8.9	9.2	7.7	7.2	7.5
12	10.9	10.7	10.8	9.7	9.1	9.6	9.2	9.0	9.2	7.5	7.2	7.4
13	10.9	10.7	10.8	9.6	8.7	9.1	9.3	8.8	9.1	7.4	7.0	7.3
14	10.8	10.5	10.6	8.8	7.9	8.3	9.0	8.7	8.8	7.6	6.9	7.2
15	10.8	10.6	10.6	8.6	7.8	8.1	9.1	8.5	8.8	7.6	6.8	7.2
16	10.8	10.3	10.6	9.4	8.3	8.9	8.8	8.4	8.7	7.1	6.7	6.9
17	10.7	9.7	10.2	9.4	9.0	9.2	8.8	7.9	8.5	7.5	6.6	7.0
18	10.6	9.7	10.2	9.2	8.9	9.1	7.9	7.0	7.6	7.7	7.1	7.4
19	9.7	9.0	9.4	9.0	8.3	8.8	8.7	6.8	7.7	7.4	6.9	7.3
20	9.4	9.1	9.3	8.7	8.2	8.5	8.6	7.8	8.3	7.2	6.8	7.0
21	9.4	9.3	9.4	8.7	7.7	8.3	8.4	7.9	8.3	7.1	6.9	7.0
22	9.5	9.3	9.4	8.0	7.4	7.8	8.4	7.7	8.2	7.1	6.7	7.0
23	9.4	9.0	9.3	8.7	7.5	8.0	8.4	8.1	8.3	7.2	6.2	6.9
24	9.2	8.3	9.2	9.1	8.1	8.6	8.4	8.1	8.2	6.3	5.4	5.9
25	9.5	9.1	9.3	8.8	8.1	8.5	8.1	7.8	8.1	6.8	5.6	6.1
26	10.1	9.1	9.6	8.2	8.0	8.1	8.2	7.8	8.0	6.9	6.3	6.8
27	9.9	9.6	9.8	8.2	7.9	8.2	8.2	7.6	7.9	7.1	5.9	6.6
28	10.7	9.6	10.1	8.5	8.2	8.4	7.7	7.3	7.6	6.9	5.6	6.3
29	---	---	---	9.0	8.0	8.6	7.5	7.3	7.4	6.7	5.9	6.5
30	---	---	---	9.0	8.8	8.9	7.7	7.2	7.5	6.5	5.4	5.9
31	---	---	---	9.6	8.4	9.1	---	---	---	6.2	5.4	5.7

SANTEE RIVER BASIN

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02161000 BROAD RIVER AT ALSTON, S.C.

LOCATION.--Lat 34°14'35", long 81°19'11", Fairfield County, Hydrologic Unit 03050106, on left bank at Southern Railway Alston-Peak trestle, 1.2 mi (1.93 km) downstream from Parr Shoals Dam, and at mi 200.2 (322.1 km).

DRAINAGE AREA.--4,790 mi² (12,400 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 210 ft (64.0 m) (from topographic map).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,400 ft³/s (1,682 m³/s) Jan. 5, 1982, gage height 19.95 ft (6.081 m); minimum daily, 462 ft³/s (13.1 m³/s), Nov. 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 59,400 ft³/s (1,682 m³/s) Jan. 5, gage height 19.95 ft (6.081 m); minimum daily, 541 ft³/s (15.3 m³/s), Oct. 3.

REVISIONS.--The maximum discharge for the Water Year 1981 has been revised to 44,500 ft³/s (1,260 m³/s), superseding figure published in the report of 1981.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2810	1030	3290	27500	5220	18400	4310	7900	12700	2700	6750	1760
2	983	1500	3560	37600	5310	14500	4310	6200	14100	3320	10000	1580
3	541	1210	3950	29300	17600	12800	3840	6360	9660	2270	7480	1760
4	1320	1590	4220	38900	33200	9160	3420	4880	6090	2690	6270	2300
5	907	2290	2580	51700	40400	6340	5360	4770	7870	2560	4170	1610
6	979	2490	2630	47900	25600	6170	4910	4760	6970	2510	3180	2140
7	910	1820	2580	33000	18300	6600	4710	4300	5840	2260	2740	1160
8	1040	1390	1900	19400	12800	12100	3820	4110	7440	2250	2660	1170
9	1430	2800	1990	11600	5800	8050	5670	3520	4210	2690	3160	1170
10	1650	2880	1880	5210	7250	7860	6360	3320	2700	4620	4130	1550
11	1430	2140	1890	5510	9070	9410	6140	3630	3570	2310	4640	2120
12	1560	2370	1950	5120	11700	6630	4640	2820	5340	3760	4910	1730
13	1550	1630	1950	5030	5960	6590	4410	3440	5340	4700	11600	2170
14	1470	1290	3590	5170	5000	4190	4040	3150	5310	4170	6370	2160
15	1080	1310	4440	5070	4980	4810	4460	3040	5340	5700	4420	2280
16	983	1450	10000	4950	11000	6080	5390	2630	5570	5700	3900	1920
17	787	1520	16400	5220	18200	8300	5730	2720	4660	5780	2130	1910
18	1320	1930	6700	5180	25200	10300	6030	3080	3060	5700	2030	1710
19	1480	1940	4900	5120	12800	6870	6040	3670	5710	5150	2640	1180
20	1490	1930	4900	5150	7550	6010	6620	3720	4680	3840	3730	1920
21	1460	1920	4750	5370	8570	5870	6260	4470	5250	4740	1770	2340
22	1910	1780	3600	15700	8400	5820	4730	4480	4880	2740	1990	1620
23	1140	1150	2300	10600	6550	5860	3900	6190	2950	2350	3230	1770
24	1050	1780	2900	14700	5160	5870	3920	5980	3170	2440	2180	1180
25	1100	1970	5900	13800	6800	5940	4120	4810	4900	3260	1580	1810
26	2210	1890	9300	10700	7820	5730	5750	6490	4720	4680	1580	1810
27	4210	1360	10200	7980	6590	3860	6960	10500	4550	3520	2230	1350
28	5670	2560	12300	5290	8840	3810	19700	7470	4750	2170	1840	2460
29	5240	1150	6010	5230	---	3190	14200	12700	5010	2850	1690	1280
30	4700	2080	5530	5260	---	3500	10000	5880	5370	2300	3490	1280
31	2050	---	15300	5230	---	4720	---	5090	---	4300	2030	---
TOTAL	56460	54150	163390	453490	341670	225340	179750	156080	171710	110030	120520	52200
MEAN	1821	1805	5271	14630	12200	7269	5992	5035	5724	3549	3888	1740
MAX	5670	2880	16400	51700	40400	18400	19700	12700	14100	5780	11600	2460
MIN	541	1030	1880	4950	4980	3190	3420	2630	2700	2170	1580	1160
CAL YR 1981 TOTAL	1209224			MEAN 3313	MAX 25300	MIN 541						
WTR YR 1982 TOTAL	2084790			MEAN 5712	MAX 51700	MIN 541						

SANTEE RIVER BASIN

02161500 BROAD RIVER AT RICHTEX, S.C.

LOCATION.--Lat 34°11'05", long 81°11'48", Richland County, Hydrologic Unit 03050106, on right bank 0.8 mi (1.3 km) west of Richtex, 1.2 mi (1.9 km) upstream from Little River, 10.2 mi (16.4 km) downstream from Parr Shoals Dam, and at mile 191.2 (307.6 km).

DRAINAGE AREA.--4,850 mi² (12,560 km²), approximately.

PERIOD OF RECORD.--October 1925 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 757: 1930(M). WSP 972: Drainage area. WSP 1383: 1929(M), 1933.

GAGE.--Water-stage recorder. Datum of gage is 184.84 ft (56.339 m) National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--57 years, 6,213 ft³/s (176.0 m³/s), 17.40 in/yr (442 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 228,000 ft³/s (6,460 m³/s) Oct. 3, 1929, gage height, 30.7 ft (9.36 m) (from floodmarks), on basis of computation of flow over Parr Shoals Dam; minimum daily, 149 ft³/s (4.22 m³/s) Oct. 13, 1935, Sept. 2, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 35,000 ft³/s (991 m³/s) and maximum (*).

Date	Time	Discharge		Gage height	
		(ft ³ /s)	(m ³ /s)	(ft)	(m)
Jan. 5	2330	*62,100	1,760	*14.43	4.398
Feb. 4	2200	48,600	1,380	12.38	3.773

Minimum daily, 764 ft³/s (21.6 m³/s) Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3420	1000	3400	27700	5610	18600	4790	8490	13500	3470	8960	2180
2	1080	1630	3600	39600	5670	15500	4840	6800	15800	3490	10400	1750
3	880	1290	3950	30000	18100	13600	4160	6610	9480	2840	8130	1910
4	1220	1570	3400	40500	32900	10100	3710	5560	7480	3230	6580	2740
5	904	2640	2800	53900	42000	6860	5730	5140	7800	3110	4640	1750
6	1080	2880	2600	51100	26300	6520	5360	5110	7800	3020	3600	2680
7	775	2050	2500	34200	18700	6800	5030	4870	6550	2660	3470	1230
8	976	1400	2290	19600	13900	12700	4210	4330	7360	2640	3210	1110
9	1500	2740	2290	12400	6700	8630	6400	4230	5420	3190	3550	1110
10	1700	3270	2280	6130	7230	8300	6770	3360	3280	4840	4360	1550
11	1540	2450	2090	5760	9550	9760	6520	4210	3680	3020	5060	2290
12	1670	2780	2280	5580	12300	7140	5420	3420	5730	3990	5160	2220
13	1680	1800	2280	5390	6830	6920	4790	3890	5760	5080	11200	2430
14	1570	1350	3270	5530	5530	4920	4590	3580	5730	4480	8390	2600
15	1380	1290	6800	5440	5330	4950	4790	3210	5700	6050	4820	2740
16	904	1490	11500	5330	10900	6340	5470	3270	6020	6050	4330	2180
17	764	1560	17900	5640	18500	8300	6100	2800	5190	6130	2860	2260
18	1290	1820	7900	5560	25700	10600	6340	3380	3440	6050	2410	1890
19	1520	1890	5780	5500	14500	7770	6490	4230	6080	5560	3190	1430
20	1630	1900	5780	5530	8360	6310	6950	4110	5140	4230	3940	1930
21	1470	1920	5700	5900	9000	6190	6460	4840	5640	5080	2240	2920
22	2160	1700	4260	15700	8960	6130	5390	4820	5360	3400	2290	1890
23	1260	1450	2720	11000	6950	6160	4330	6220	3250	2780	3600	2070
24	1010	2000	3550	15600	5560	6190	4410	7010	3210	2820	2660	1200
25	1170	2020	6980	15000	6860	6250	4510	5220	5300	3400	1930	2110
26	2160	1600	10700	11400	7740	6160	6400	6580	5140	5060	1720	2090
27	4510	2200	11600	9170	8000	4380	7450	10600	4950	3680	2150	1440
28	5730	2350	10200	5670	8930	4230	19000	8360	5140	2760	2430	2900
29	5780	1700	7180	5560	---	3580	14600	13600	5330	3060	1930	1440
30	5030	2750	5930	5700	---	3820	10700	7040	5810	2780	3660	1300
31	2620	---	16700	5530	---	4970	---	5560	---	4510	2390	---
TOTAL	60383	58490	180510	477620	356610	238680	192310	170450	186070	122460	135260	59340
MEAN	1948	1950	5826	15410	12740	7699	6410	5498	6202	3950	4363	1978
MAX	5780	3270	17900	53900	42000	18600	19000	13600	15800	6130	11200	2920
MIN	764	1000	2090	5330	5330	3580	3710	2800	3210	2640	1720	1110

CAL YR 1981 TOTAL 134677 MEAN 3689 MAX 25900 MIN 764
WTR YR 1982 TOTAL 2238283 MEAN 5132 MAX 53900 MIN 764

Santee River Basin

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02161700 WEST FORK LITTLE RIVER NEAR SALEM CROSSROADS, S.C.

LOCATION.--Lat 34°27'08", long 81°15'45", Fairfield County, Hydrologic Unit 03050106, at Road 346 bridge, 3.0 mi (4.8 km) northeast of Salem Crossroads and 12.0 mi (19.3 km) northwest of Winnsboro.

DRAINAGE AREA.--25.5 mi² (66.0 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 327 ft (99.7 m) (from topographic map).

REMARKS.--Records good, except periods of no gage-height record Dec. 20 to Jan. 21 and Aug. 18 to Sept. 30, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,710 ft³/s (76.7 m³/s) Jan. 4, 1982, gage height, 8.54 ft (2.603 m); no flow July 5-11, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,710 ft³/s (76.7 m³/s) Jan. 4, gage height, 8.54 ft (2.603 m); no flow July 5-11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.60	1.7	4.2	100	21	70	6.5	12	18	.70	15	.50
2	.60	1.5	3.4	80	16	46	6.7	8.6	7.2	.50	2.7	1.0
3	.40	1.5	2.0	180	350	29	7.8	7.0	3.4	.30	.90	2.8
4	.50	1.4	1.7	360	93	21	5.6	6.0	30	.10	.40	1.8
5	.70	1.5	1.4	70	46	17	11	5.1	84	.00	.20	1.2
6	.70	1.7	1.4	25	44	16	14	4.7	12	.00	.20	.70
7	.70	1.4	1.4	21	31	35	8.6	4.0	5.6	.00	.50	.42
8	.60	1.4	1.4	20	25	31	15	3.9	3.9	.00	36	.34
9	.60	1.4	1.3	19	23	20	47	3.3	2.9	.00	6.7	.32
10	1.0	1.5	1.1	18	24	17	18	2.7	2.7	.00	6.2	.30
11	1.9	1.5	1.3	18	21	14	13	2.2	4.5	.00	16	.34
12	1.4	1.5	1.3	17	19	13	11	1.8	2.4	1.5	17	.42
13	1.3	1.4	1.3	17	22	12	9.6	1.4	2.7	2.4	3.7	.65
14	1.4	1.5	5.0	16	20	11	9.2	1.3	2.0	1.8	1.8	.55
15	1.4	1.4	122	16	18	21	11	1.1	1.4	3.1	.70	.40
16	1.7	1.4	46	15	22	36	9.4	.90	1.3	9.8	.90	.30
17	1.8	1.7	15	15	244	23	19	.70	.80	3.0	.10	.50
18	2.0	1.4	12	14	67	18	25	1.8	.80	.70	.50	1.6
19	2.2	1.4	9.3	30	38	16	13	4.2	.80	.20	6.0	2.8
20	1.9	1.4	8.8	65	31	14	65	4.3	.50	.40	4.0	3.6
21	2.2	1.1	8.2	85	24	12	36	2.4	.30	.10	2.0	3.4
22	2.7	1.1	7.8	44	20	13	18	1.3	1.4	.00	1.4	2.6
23	3.1	1.1	7.6	57	17	11	12	6.7	2.3	.40	1.6	1.7
24	3.4	1.9	14	70	15	10	9.0	42	2.3	20	1.9	1.2
25	4.5	1.9	190	27	13	10	8.6	16	1.7	28	1.3	.90
26	6.0	1.3	70	21	12	9.0	57	120	.50	2.7	1.0	1.4
27	11	1.3	45	17	60	8.0	64	15	.60	1.7	.75	1.0
28	3.3	1.3	26	16	94	7.4	51	7.2	3.4	.90	.55	.85
29	2.0	1.1	23	14	---	7.4	22	7.8	11	2.2	.46	.75
30	1.8	1.7	22	13	---	7.0	15	5.0	1.8	2.6	.44	.70
31	1.7	---	330	14	---	6.7	---	3.9	---	3.9	.55	---
TOTAL	65.10	43.4	984.9	1494	1430	581.5	618.0	304.30	212.20	87.00	131.45	35.04
MEAN	2.10	1.45	31.8	48.2	51.1	18.8	20.6	9.82	7.07	2.81	4.24	1.17
MAX	11	1.9	330	360	350	70	65	120	84	28	36	3.6
MIN	.40	1.1	1.1	13	12	6.7	5.6	.70	.30	.00	.10	.30
CAL YR 1981 TOTAL	3232.39			MEAN 8.86	MAX 630	MIN .38						
WTR YR 1982 TOTAL	5986.89			MEAN 16.4	MAX 360	MIN .00						

SANTEE RIVER BASIN

02162010 CEDAR CREEK NEAR BLYTHEWOOD, S.C.

LOCATION.--Lat 34°11'44", long 81°06'13", Richland County, Hydrologic Unit 03050106, on right bank at downstream side of bridge on State Road 59, 0.2 mi (0.3 km) above Williams Branch, 8.0 mi (12.9 km) southwest of Blythewood, and at mile 6.9 (11.1 km).

DRAINAGE AREA.--48.9 mi² (127 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 240 ft (73 m) (from topographic map).

REMARKS.--Records poor.

AVERAGE DISCHARGE.--15 years (water years 1968-82), 49.1 ft³/s (1.391 m³/s) 13.64 in/yr (346 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft³/s (138 m³/s) July 4, 1968, gage height, 18.42 ft (5.614 m); minimum daily, 0.66 ft³/s (0.019 m³/s) Oct. 5, 6, 1968.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (28.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)		Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
Jan. 1	unknown	*3,260	92.3	*14.17	4.319	June 3	2030	1,820	51.5	9.74	2.969
Feb. 3	1600	2,420	68.5	11.69	3.563	July 18	unknown	1,060	30.0	7.22	2.201
Feb. 17	2000	1,050	29.7	7.18	2.188	Aug. 1	0600	2,680	75.9	12.48	3.804

Minimum daily, 1.0 ft³/s (0.028 m³/s) Oct. 8, 9, 15.

DISCHARGE. IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	3.2	93	480	43	136	23	37	145	9.3	1290	10
2	3.5	3.2	62	87	24	79	23	35	24	8.0	109	10
3	2.8	3.2	32	90	1040	56	23	35	483	9.3	35	9.8
4	2.1	3.2	17	100	331	43	23	31	276	12	24	9.6
5	1.7	3.1	14	88	132	38	28	30	228	22	21	9.4
6	1.4	3.0	14	71	73	33	36	29	45	8.5	24	9.2
7	3.8	2.7	13	61	45	69	24	29	24	7.6	19	9.0
8	1.0	3.0	13	54	33	71	37	29	19	9.3	20	8.7
9	1.0	3.2	13	47	31	43	148	28	17	8.9	20	8.4
10	1.1	4.3	14	41	66	36	49	28	16	8.0	19	8.2
11	1.1	3.5	14	36	39	33	32	28	17	10	18	14
12	1.1	3.0	13	31	34	31	27	28	16	27	19	11
13	1.2	2.7	50	28	128	29	25	28	16	14	17	9.0
14	1.2	2.6	200	125	65	29	25	21	17	11	17	8.2
15	1.0	2.6	700	95	43	26	79	17	15	15	16	8.3
16	1.2	2.6	80	54	51	50	58	17	15	15	15	8.2
17	1.3	3.0	32	33	618	35	128	17	14	22	14	8.1
18	1.3	3.6	50	20	318	31	230	16	14	170	14	8.0
19	2.1	2.8	31	16	115	28	61	16	15	34	13	8.0
20	2.6	2.5	32	55	74	27	190	16	14	20	13	12
21	1.6	2.5	35	283	56	28	119	17	13	16	13	11
22	1.8	2.5	39	123	42	27	58	16	23	17	12	10
23	2.8	2.4	32	173	36	26	37	17	21	18	12	9.2
24	2.3	3.0	62	276	33	26	32	17	11	83	12	8.4
25	2.9	5.1	860	86	29	26	33	16	12	86	11	7.6
26	450	3.9	92	45	28	26	407	24	14	18	13	7.0
27	3.5	3.1	135	28	271	25	372	17	13	15	12	6.4
28	3.3	3.4	180	25	248	25	135	17	11	12	12	5.8
29	3.2	3.5	120	20	---	25	66	18	11	11	11	5.4
30	3.1	3.6	45	18	---	24	44	16	9.8	26	11	5.3
31	3.0	---	1950	16	---	23	---	15	---	25	11	---
TOTAL	513.2	94.0	5037	2705	4086	1204	2572	705	1568.8	767.9	1867	263.2
MEAN	16.6	3.13	162	87.3	146	38.8	85.7	22.7	52.3	24.8	60.2	8.77
MAX	450	5.1	1950	480	1040	136	407	37	483	170	1290	14
MIN	1.0	2.4	13	16	24	23	23	15	9.8	7.6	11	5.3
CFSM	.34	.06	3.31	1.79	2.99	.79	1.75	.46	1.07	.51	1.23	.18
IN.	.39	.07	3.83	2.06	3.11	.92	1.96	.54	1.19	.58	1.42	.20
CAL YR 1981 TOTAL	11288.7			MEAN 30.9	MAX 1950	MIN 1.0	CFSM .63	IN 8.59				
WTR YR 1982 TOTAL	21383.1			MEAN 58.6	MAX 1950	MIN 1.0	CFSM 1.20	IN 16.27				

113'

LOCATION.--Lat 34°01'38", long 81°02'31", Richland County, Hydrologic Unit 03050106, on left bank, 15 ft (5 m) upstream from culvert opening at North Main Street in Columbia.

DRAINAGE AREA.--5.67 mi² (14.69 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 200 ft (61 m) (from topographic map).

REMARKS.--Records good, except period of no gage-height record Aug. 16 to Sept. 28, which is poor.

AVERAGE DISCHARGE.--6 years, 9.49 ft³/s (0.269 m³/s), 22.73 in/yr (577 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,790 ft³/s (50.7 m³/s) July 21, 1979, gage height, 10.03 ft (3.057 m); minimum, 0.46 ft³/s (0.013 m³/s) Aug. 1, 2, 4, 5, 11-14, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 819 ft³/s (23.2 m³/s) Aug. 5, gage height, 5.95 ft (1.814 m); minimum daily, 1.8 ft³/s (0.051 m³/s) Nov. 11-14, 18, 19, Sept. 27.

DAY	OCT	NOV	DEC	JAN	FER	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.2	9.2	21	6.8	7.2	4.9	6.4	4.8	3.1	22	3.5
2	3.0	2.2	5.1	11	12	6.4	11	5.7	3.1	3.1	3.1	4.2
3	2.5	2.3	2.3	67	68	6.4	5.7	5.4	54	3.1	2.7	5.5
4	2.6	2.3	2.2	100	11	5.7	3.9	5.1	63	8.3	2.5	5.0
5	3.1	2.3	2.2	16	8.2	5.7	22	5.1	8.3	3.1	58	4.4
6	3.1	2.3	2.0	11	7.4	5.7	4.8	4.8	4.3	2.5	4.5	3.2
7	2.5	2.0	2.2	9.6	6.5	49	4.0	4.5	3.8	3.8	24	2.9
8	2.5	2.2	2.2	8.3	6.0	7.7	36	4.5	3.5	3.5	6.1	2.8
9	2.5	2.2	2.2	7.9	11	6.4	7.4	4.3	3.5	2.9	7.1	2.9
10	6.4	3.6	2.2	7.1	6.5	6.0	4.7	4.5	36	3.8	48	3.5
11	2.6	1.8	2.2	6.4	5.3	5.9	4.4	4.0	5.1	2.5	6.4	4.6
12	2.5	1.8	2.2	6.4	16	5.7	4.3	4.0	4.0	11	3.5	4.2
13	2.5	1.8	2.2	11	20	5.7	4.0	4.0	29	2.5	3.3	3.7
14	2.5	1.8	42	28	5.9	5.2	7.2	3.8	3.8	34	3.3	3.6
15	2.5	2.0	84	16	6.6	43	4.0	3.8	13	11	3.1	3.5
16	2.5	4.0	6.8	11	43	9.1	4.0	3.5	9.6	5.7	2.7	3.2
17	2.5	2.0	5.0	8.3	40	6.0	27	3.5	4.8	2.7	2.6	3.0
18	2.5	1.8	6.6	7.5	9.9	5.7	5.1	3.5	4.0	52	2.7	7.0
19	2.6	1.8	3.9	7.5	7.8	5.6	4.2	3.5	3.5	4.3	2.6	8.0
20	2.6	2.2	3.8	7.1	6.9	5.4	33	5.4	3.3	2.7	2.5	5.5
21	2.7	2.2	3.9	19	6.4	5.2	5.4	23	3.1	2.5	2.4	7.0
22	2.7	2.2	4.5	7.1	5.7	5.3	4.4	3.5	77	2.7	2.3	5.0
23	2.9	2.2	3.5	32	5.5	4.9	4.0	3.3	6.1	2.7	2.3	4.0
24	5.0	13	28	11	5.8	6.0	3.9	3.3	4.5	19	2.2	3.3
25	49	2.0	98	7.9	5.6	4.9	28	6.1	4.0	2.7	2.1	2.7
26	3.5	2.0	9.0	7.1	21	4.8	85	4.8	4.0	2.3	2.0	2.3
27	3.3	2.2	14	6.4	32	4.6	107	4.0	4.0	2.2	2.2	1.8
28	2.2	7.5	20	6.4	9.0	4.5	16	8.3	3.5	2.3	2.1	2.0
29	2.2	2.0	15	6.8	---	4.8	9.2	3.8	3.3	18	2.0	2.3
30	2.2	16	6.1	6.1	---	4.8	7.5	3.3	3.1	24	2.1	2.0
31	2.0	---	204	14	---	5.0	---	3.1	---	16	2.0	---
TOTAL	133.7	95.9	596.5	491.9	395.8	258.3	472.0	155.8	377.0	260.0	234.4	116.6
MEAN	4.31	3.20	19.2	15.9	14.1	8.33	15.7	5.03	12.6	8.39	7.56	3.89
MAX	49	16	204	100	68	49	107	23	77	52	58	8.0
MIN	2.0	1.8	2.0	6.1	5.3	4.5	3.9	3.1	3.1	2.2	2.0	1.8
CAL YR 1981	TOTAL	3040.9	MEAN	8.33	MAX	204	MIN	1.8				
WTR YR 1982	TOTAL	3587.9	MEAN	9.83	MAX	204	MIN	1.8				

SANTEE RIVER BASIN

02162350 MIDDLE SALUDA RIVER NEAR CLEVELAND, S.C.

LOCATION.--Lat 35°07'12", long 82°32'16", Greenville County, Hydrologic Unit 03050109, at Road 41 bridge, 3.9 mi (6.3 km) north of Cleveland, and 5.0 mi (8.0 km) east of Caesars Head.

DRAINAGE AREA.--21.0 mi² (54.4 km²).

PERIOD OF RECORD.--October 1980 to current year, discharge below 720 ft³/s (20.4 m³/s) only.

GAGE.--Water-stage recorder. Altitude of gage is 1,078 ft (329 m) (from topographic map).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.68 ft (1.731 m) May 31, 1982; minimum daily discharge, 10 ft³/s (0.28 m³/s) Oct. 3, 8, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.68 ft (1.731 m) May 31; minimum daily discharge, 10 ft³/s (0.28 m³/s) Oct. 3, 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	14	65	100	71	67	43	65	150	42	132	38
2	11	13	35	80	119	66	41	61	94	47	98	37
3	10	13	23	190	---	65	79	59	76	47	70	34
4	11	14	20	---	189	61	56	57	71	41	59	31
5	11	17	18	120	126	58	54	55	67	39	56	31
6	14	16	17	80	103	57	55	54	59	39	55	30
7	11	14	16	64	86	95	49	51	56	39	52	30
8	10	13	16	55	79	71	61	55	52	39	56	29
9	11	12	15	48	89	65	67	48	49	41	55	29
10	13	12	15	43	76	62	59	47	72	47	49	30
11	12	12	14	40	70	59	55	46	56	41	60	34
12	12	13	14	40	66	58	49	45	103	97	51	32
13	11	13	15	39	64	55	45	44	100	137	51	31
14	11	12	35	38	59	52	46	42	71	66	46	27
15	12	13	39	35	72	65	44	41	61	57	45	26
16	11	13	31	35	115	58	43	39	56	52	43	25
17	11	13	25	34	126	56	74	39	62	52	56	24
18	12	12	22	32	98	52	60	52	85	48	46	24
19	13	13	21	34	86	51	52	52	58	49	43	24
20	12	15	20	39	78	50	52	46	55	46	42	25
21	11	13	21	79	71	49	54	43	51	42	40	24
22	12	12	24	66	66	60	50	38	48	40	38	25
23	16	12	29	80	62	70	48	46	47	42	37	22
24	14	15	50	67	60	56	47	50	45	40	37	22
25	16	14	60	56	57	46	67	43	71	38	37	22
26	50	13	44	48	57	46	136	57	54	37	34	23
27	28	15	38	44	75	43	103	94	50	36	34	23
28	17	16	32	42	69	42	91	64	51	42	34	22
29	15	14	30	40	---	41	76	65	48	55	33	21
30	15	18	60	38	---	41	70	136	45	67	33	21
31	15	---	180	85	---	45	---	---	---	197	35	---
TOTAL	439	409	1044	---	---	1762	1826	---	1963	1702	1557	816
MEAN	14.2	13.6	33.7	---	---	56.8	60.9	---	65.4	54.9	50.2	27.2
MAX	50	18	180	---	---	95	136	---	150	197	132	38
MIN	10	12	14	---	---	41	41	---	45	36	33	21

SANTÉE RIVER BASIN

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02162525 HAMILTON CREEK NEAR EASLEY, S.C.

LOCATION.--Lat 34°50'10", long 82°33'09", Pickens County, Hydrologic Unit 03050109, on Route 135, 4.6 mi (7.4 km) northeast of Easley and 0.6 mi (1.0 km) upstream of Georges Creek.

DRAINAGE AREA.--1.60 mi² (4.14 km²).

PERIOD OF RECORD.--February 1981 to current year, discharge below 25 ft³/s (0.71 m³/s) only.

GAGE.--Water-stage recorder. Altitude of gage is 890 ft (271 m) (from topographic map).

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.11 ft (1.558 m) May 20, 1982; minimum daily discharge, 0.54 ft³/s (0.015 m³/s) Oct. 7, 8.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.11 ft (1.558 m) May 20; minimum daily discharge, 0.54 ft³/s (0.015 m³/s) Oct. 7, 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.70	.84	4.7	4.2	3.8	3.0	1.8	2.0	1.8	1.8	4.9	1.6
2	.68	.80	1.9	3.8	11	2.7	1.9	2.0	1.6	1.8	4.9	1.6
3	.64	.82	1.5	9.2	18	2.5	1.9	2.0	1.6	1.8	5.0	1.5
4	.62	.91	1.4	15	15	2.4	1.8	2.0	1.6	1.8	5.0	1.5
5	.58	1.0	1.4	12	7.5	2.3	2.0	2.0	1.5	1.8	5.0	1.5
6	.56	.91	1.3	8.0	4.8	2.3	2.0	1.9	1.5	1.9	4.9	1.5
7	.54	.80	1.2	3.0	4.0	3.5	2.0	1.9	1.5	2.1	5.0	1.3
8	.54	.82	1.2	2.5	3.8	2.8	2.3	1.9	1.5	2.0	5.8	1.3
9	.57	.91	1.1	2.1	4.6	2.7	2.0	1.9	1.5	1.9	4.8	1.3
10	.60	.95	1.3	1.9	3.6	2.4	1.9	1.7	2.3	2.0	2.3	1.3
11	1.4	.95	1.0	1.8	3.2	2.4	1.8	1.5	1.6	2.0	2.4	1.7
12	.69	.95	1.0	1.8	2.9	2.3	1.8	1.5	1.9	1.9	2.1	1.4
13	.66	.95	1.3	1.7	2.8	2.2	1.8	1.5	1.6	1.9	2.1	1.4
14	.69	.99	3.0	1.6	2.7	2.2	1.9	1.4	1.6	2.6	1.9	1.4
15	.69	.99	3.6	1.6	6.0	4.2	1.8	1.4	1.6	2.8	1.9	1.5
16	.69	.99	2.2	1.5	15	3.2	1.8	1.4	1.6	4.5	2.0	1.4
17	.66	.99	1.9	1.5	3.7	2.9	2.1	1.6	1.6	4.4	2.3	1.4
18	.95	.99	1.6	1.4	3.4	2.7	2.0	1.5	1.6	3.8	2.0	1.3
19	.79	.99	1.6	1.6	3.3	2.6	2.0	1.4	1.6	3.7	1.8	1.5
20	.79	1.1	1.4	2.4	2.9	2.4	1.9	9.7	1.6	3.7	1.8	1.4
21	.79	.99	1.4	4.4	2.8	2.4	1.8	1.4	3.7	3.7	1.8	1.7
22	.83	.92	1.5	3.6	2.7	2.2	1.8	1.4	1.8	3.8	1.8	1.5
23	1.2	.99	1.4	5.2	2.6	2.1	1.8	1.4	1.6	3.8	1.8	1.3
24	.87	1.6	1.6	3.0	2.6	2.1	1.8	1.3	1.8	3.7	1.8	1.3
25	2.0	.95	2.7	2.6	2.5	2.1	2.4	1.3	1.8	3.7	1.6	1.3
26	2.1	.95	1.9	2.2	2.5	2.1	2.5	1.3	1.8	3.8	1.6	1.3
27	1.1	1.8	1.7	2.0	3.4	2.0	2.2	1.6	1.8	3.8	1.6	1.3
28	.87	1.1	1.6	1.8	3.2	2.0	2.0	1.8	1.9	3.8	1.6	1.3
29	.83	.99	1.5	1.7	---	2.0	2.0	1.4	1.9	5.6	1.6	1.3
30	.87	2.3	1.4	1.6	---	1.9	2.0	4.9	1.9	5.9	1.6	1.2
31	.91	---	6.8	5.4	---	1.8	---	1.8	---	5.2	1.6	---
TOTAL	26.41	31.24	59.1	112.1	144.3	76.4	58.8	61.8	52.7	97.0	86.3	42.3
MEAN	.85	1.04	1.91	3.62	5.15	2.46	1.96	1.99	1.76	3.13	2.78	1.41
MAX	2.1	2.3	6.8	15	18	4.2	2.5	9.7	3.7	5.9	5.8	1.7
MIN	.54	.80	1.0	1.4	2.5	1.8	1.8	1.3	1.5	1.8	1.6	1.2

WTR YR 1982 TOTAL 848.45 MEAN 2.32 MAX 18 MIN .54

02163500 SALUDA RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34°23'12", long 82°13'20", Greenwood County, Hydrologic Unit 03050109, on right bank 2.0 mi (3.2 km) southeast of Ware Shoals, 2.5 mi (4.0 km) downstream from Ware Shoals Dam, 5.0 mi (8.0 km) upstream from Turkey Creek, and at mile 83.7 (134.7 km).

DRAINAGE AREA.--581 mi² (1,505 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 448 ft (136.6 m) (by barometer).

REMARKS.--Records good. Some regulation at low and medium flow by powerplants upstream. Capacity of reservoirs insufficient to affect monthly figures of runoff. About 41,750,000 gal per day or 63.7 ft³/s (1.80 m³/s) diverted above station for city of Greenville water supply during water year. City of Greenville began diverting water from Saluda River (Table Rock Reservoir) in 1930; supplemented by North Saluda Reservoir in 1961. Sewage effluent discharged into Reedy River near Greenville.

AVERAGE DISCHARGE.--44 years, 1,021 ft³/s (28.91 m³/s), 23.86 in/yr (606 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,700 ft³/s (586 m³/s) Sept. 14, 1973, gage height, 22.85 ft (6.965 m), from rating curve extended above 14,000 ft³/s (396 m³/s) on basis of computation of peak flow over dam; minimum, 3 ft³/s (0.085 m³/s) Sept. 18, 1939; minimum daily, 11 ft³/s (0.31 m³/s) Oct. 12, 19, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge		Gage height	
		(ft ³ /s)	(m ³ /s)	(ft)	(m)
Jan. 4	1630	*9,510	269	*15.38	4.688
Feb. 4	0800	7,920	224	13.80	4.206

Minimum daily, 48 ft³/s (1.36 m³/s) Oct. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	270	250	720	3910	766	1360	555	780	2040	716	1030	378
2	260	341	896	2540	972	1280	687	697	1830	770	1320	465
3	240	252	1030	2520	4140	1020	597	822	1590	528	1360	374
4	220	68	610	7780	7330	971	639	716	1070	447	832	514
5	210	537	333	6980	4120	855	658	707	1050	417	731	391
6	160	257	364	3060	2260	832	841	649	898	514	658	387
7	120	68	445	2100	1770	865	692	644	822	532	537	487
8	90	81	391	1670	1400	1080	649	726	927	483	611	320
9	66	296	444	1200	1320	1200	687	640	519	555	707	324
10	48	286	249	878	1340	1010	803	560	630	583	822	353
11	59	265	365	1020	1360	961	794	490	741	611	711	560
12	70	266	206	1010	1180	851	789	420	803	808	908	565
13	82	399	250	566	918	678	687	370	775	673	889	320
14	100	122	471	480	860	682	687	625	1250	654	923	430
15	112	252	1060	800	1130	942	611	532	1130	784	523	383
16	78	332	1180	671	923	1480	602	408	711	937	760	391
17	60	243	858	563	1590	1140	597	514	874	937	649	496
18	50	238	633	648	1770	1050	692	578	673	813	430	353
19	61	280	482	663	1690	798	789	413	1430	1020	803	366
20	78	358	364	552	1200	822	803	798	1650	519	592	621
21	63	105	442	708	1120	630	697	1440	1080	501	560	483
22	73	214	469	1240	1060	947	625	726	1000	532	461	320
23	308	336	462	1270	971	711	602	537	678	519	625	396
24	115	257	297	1310	966	745	560	794	702	560	532	383
25	285	292	1090	1300	789	678	560	780	496	537	523	362
26	428	139	885	1090	760	721	956	775	505	528	383	357
27	695	272	836	704	879	635	2040	794	741	555	362	362
28	408	292	667	776	976	630	1460	1980	808	413	537	421
29	472	291	671	710	---	789	1200	1640	832	510	434	341
30	466	446	538	685	---	625	846	1260	542	702	465	296
31	50	---	1490	527	---	583	---	1150	---	1400	426	---
TOTAL	5797	7835	19198	49931	45560	27571	23405	23965	28797	20058	21104	12199
MEAN	187	261	619	1611	1627	889	780	773	960	647	681	407
MAX	695	537	1490	7780	7330	1480	2040	1980	2040	1400	1360	621
MIN	48	68	206	480	760	583	555	370	496	413	362	296
CFSM	.32	.45	1.07	2.77	2.80	1.53	1.34	1.33	1.65	1.11	1.17	.70
IN.	.37	.50	1.23	3.20	2.92	1.77	1.50	1.53	1.84	1.28	1.35	.78
CAL YR 1981 TOTAL	149570		MEAN 410	MAX 1950	MIN 48	CFSM .71	IN 9.58					
WTR YR 1982 TOTAL	285420		MEAN 782	MAX 7780	MIN 48	CFSM 1.35	IN 18.27					

02165000 REEDY RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34°25'02", long 82°09'10", Laurens County, Hydrologic Unit 03050109, on downstream side of Road S-30-36 bridge, 5.5 mi (8.8 km) northeast of Ware Shoals, 6.0 mi (9.7 km) downstream from Boyd Mill Dam, and at mile 8.7 (14.0 km).

DRAINAGE AREA.--236 mi² (611 km²).

PERIOD OF RECORD.--March 1939 to current year.

REVISED RECORDS.--WSP 892: 1939. WSP 922: Drainage area. WSP 1723: 1940, 1943, 1948-49, 1952(M). WSP 1904: 1940, 1943, 1946, 1949, 1952. WDR-SC-77-1: Drainage area. WDR-SC-78-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 453.86 ft (137.973 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, at site 4.1 mi (6.6 km) upstream at datum 26.76 ft (8.156 m) higher.

REMARKS.--Records poor. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Diversion into basin by City of Greenville above station 02163500.

AVERAGE DISCHARGE.--43 years, 352 ft³/s (9.97 m³/s), 20.25 in/yr (514 m/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft³/s (312 m³/s) Sept. 14, 1973, gage height 15.40 ft (4.694 m); minimum, 2.7 ft³/s (0.076 m³/s) July 6, 1967, gage height 0.42 ft (0.128 m); minimum daily, 4.8 ft³/s (0.14 m³/s) Sept. 9, 1973.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft³/s (70.8 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 1	2330	3,350 94.9	10.83 3.301	Feb. 4	1730	4,320 122	12.26 3.737
Jan. 5	1430	5,120 145	*13.86 4.225				

Minimum daily, 10 ft³/s (0.28 m³/s) July 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	208	295	302	2190	540	659	295	320	750	176	719	231
2	201	249	688	2120	619	540	302	325	688	10	504	291
3	176	174	619	1180	1370	455	306	340	438	34	432	353
4	167	30	405	3120	3680	444	302	320	329	90	368	180
5	95	50	252	4860	2140	373	302	280	254	172	188	50
6	40	144	246	1980	1010	281	329	245	295	208	239	120
7	21	184	215	1040	750	358	334	250	268	219	368	164
8	17	180	176	801	608	568	311	270	295	197	288	180
9	32	229	201	659	531	487	378	290	298	194	254	217
10	70	271	268	568	629	444	416	270	210	186	268	203
11	124	257	239	496	629	438	334	250	315	249	302	180
12	153	236	176	449	496	395	302	225	368	338	268	184
13	252	174	169	438	479	268	373	210	275	405	438	236
14	244	80	268	432	471	268	438	194	363	295	588	229
15	222	40	801	411	463	288	348	176	353	176	324	212
16	174	20	1120	395	395	780	203	130	268	298	231	20
17	55	128	678	411	659	750	281	70	254	343	212	50
18	26	188	416	432	770	504	343	172	252	311	224	110
19	30	265	288	389	540	405	389	275	246	463	217	176
20	70	244	288	400	471	368	421	363	241	271	197	212
21	156	176	378	559	432	373	275	559	224	246	188	257
22	254	55	449	877	363	400	231	411	182	244	150	246
23	513	159	373	790	281	444	257	368	241	224	140	244
24	172	222	176	844	384	368	244	281	229	184	125	215
25	161	275	194	760	427	265	311	257	219	275	70	114
26	368	271	889	608	384	268	678	291	180	217	30	72
27	640	222	522	455	288	278	820	368	199	241	36	148
28	455	65	479	368	449	295	600	619	217	257	90	252
29	311	167	395	411	---	295	475	801	311	324	110	212
30	302	241	278	405	---	291	370	760	285	311	178	101
31	298	---	678	400	---	295	---	400	---	977	199	---
TOTAL	6007	5291	12626	29248	20258	12645	10968	10090	9047	8135	7945	5459
MEAN	194	176	407	943	724	408	366	325	302	262	256	182
MAX	640	295	1120	4860	3680	780	820	801	750	977	719	353
MIN	17	20	169	368	281	265	203	70	180	10	30	20
CFSM	.82	.75	1.73	4.00	3.07	1.73	1.55	1.38	1.28	1.11	1.09	.77
IN.	.95	.83	1.99	4.61	3.19	1.99	1.73	1.59	1.43	1.28	1.25	.86
CAL YR 1981 TOTAL	86724			MEAN 238	MAX 1180	MIN 17	CFSM 1.01	IN 13.67				
WTR YR 1982 TOTAL	137719			MEAN 377	MAX 4860	MIN 10	CFSM 1.60	IN 21.71				

02166500 LAKE GREENWOOD NEAR CHAPPELLE, S.C.

LOCATION.--Lat 34°10'08", long 81°54'30", Newberry County, Hydrologic Unit 03050109, at left upstream end of dam on Saluda River, 0.7 mi (1.1 km) upstream from Wilson Creek and 2.4 mi (3.9 km) west of Chappells.

DRAINAGE AREA.--1,170 mi² (3,030 km²), revised.

PERIOD OF RECORD.--May 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Dan T. Duncan Engineering Co.). Prior to June 11, 1940, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by earth dam; storage began in May 1940; dam completed in 1940. Usable capacity, about 7,640,000,000 ft³ (216,000,000 m³) between elevations 420.0 ft (128.02 m) (limit of drawdown) and 440.0 ft (134.11 m) (normal operating level) NGVD. Dead storage is about 3,500,000,000 ft³ (99,000,000 m³). Figures given herein represent usable contents. Elevation of spillway crest is 415.0 ft (126.49 m) and elevation of top of 1-1/2 ft (0.46 m) flashboards on top of spillway gages is 441.5 ft (134.57 m) NGVD. Water is used for generation of power.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 442.02 ft (134.728 m) Mar. 5, 1952; minimum elevation since normal reservoir level was first reached, 424.42 ft (129.363 m) Oct. 16, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 440.33 ft (134.213 m) Jan. 4; minimum, 432.68 ft (131.881 m) Feb. 3.

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

431.0 ft (131.37 m)	3.70 ft ³ (104.8 m ³)
433.0 ft (131.98 m)	4.51 ft ³ (127.7 m ³)
436.0 ft (132.89 m)	5.82 ft ³ (164.8 m ³)
439.0 ft (133.81 m)	7.18 ft ³ (203.3 m ³)
442.0 ft (134.72 m)	8.56 ft ³ (242.4 m ³)

ELEVATION (FEET NGVD). WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	438.14	438.10	438.14	439.09	433.00	434.35	436.10	438.43	439.35	438.98	438.98	438.99
2	438.13	438.12	438.40	439.72	432.74	434.26	436.09	438.54	439.16	439.07	438.94	439.00
3	438.05	438.12	438.38	440.07	433.70	434.05	436.26	438.45	438.96	439.05	438.97	438.90
4	437.99	438.07	438.46	440.03	436.09	433.80	436.34	438.31	439.04	439.09	438.97	438.91
5	437.99	438.13	438.41	440.01	437.23	433.52	436.26	438.29	439.12	438.97	438.97	438.90
6	437.99	438.13	438.43	440.06	437.44	433.80	436.35	438.41	439.13	439.10	438.92	438.90
7	438.00	438.09	438.41	440.02	437.41	434.08	436.48	438.50	438.94	439.06	439.10	438.90
8	437.99	438.07	438.42	439.90	437.27	434.06	436.46	438.65	438.92	438.99	439.13	438.83
9	437.99	438.11	438.13	439.67	437.14	434.09	436.59	438.56	438.96	439.18	439.02	438.87
10	437.98	438.15	438.03	439.35	436.96	434.14	436.86	438.62	438.87	439.11	438.99	438.78
11	437.99	438.17	438.06	439.04	436.82	434.29	437.09	438.58	438.83	439.14	438.99	438.90
12	438.02	438.18	438.03	438.74	436.64	434.49	437.29	438.64	439.01	438.99	439.00	438.83
13	438.02	438.19	438.02	438.40	436.38	434.70	437.20	438.62	439.10	439.13	439.03	438.75
14	438.04	438.16	438.06	438.04	436.06	434.76	437.13	438.61	439.06	439.06	439.13	438.77
15	438.03	438.14	438.27	437.70	435.86	434.81	437.01	438.65	439.02	439.00	439.08	438.79
16	437.99	438.15	438.24	437.36	435.77	435.01	437.06	438.66	438.86	439.10	439.01	438.74
17	437.99	438.15	438.05	436.94	436.29	435.14	437.28	438.76	438.96	439.23	438.96	438.63
18	438.01	438.15	437.77	436.59	436.40	435.17	437.43	438.83	439.03	439.22	439.04	438.66
19	437.95	438.10	437.75	436.24	436.38	435.16	437.36	438.90	439.28	439.10	439.02	438.76
20	437.97	438.17	437.73	435.85	436.21	435.10	437.30	439.13	439.42	439.01	438.98	438.70
21	437.98	438.14	437.52	435.66	436.00	435.29	437.38	439.03	439.14	439.02	439.07	438.66
22	438.02	438.12	437.52	435.57	435.74	435.30	437.46	439.24	438.99	439.04	439.04	438.62
23	438.09	438.07	437.41	435.59	435.42	435.35	437.59	439.23	438.99	439.03	439.00	438.65
24	438.11	438.13	437.38	435.51	435.12	435.34	437.66	439.04	439.05	439.05	438.98	438.59
25	438.15	438.16	437.53	435.44	434.79	435.51	437.83	438.94	438.99	439.13	439.05	438.61
26	438.15	438.17	437.44	435.23	434.50	435.57	438.03	438.98	439.02	439.02	439.02	438.61
27	438.09	438.21	437.45	434.87	434.36	435.74	438.38	438.80	439.13	439.00	439.01	438.63
28	438.04	438.22	437.37	434.51	434.33	435.89	438.58	439.02	438.97	439.02	439.06	438.60
29	438.12	438.23	437.26	434.13	---	435.74	438.39	439.35	438.99	439.05	439.08	438.53
30	438.08	438.28	437.07	433.72	---	435.87	438.32	439.29	438.97	439.02	438.97	438.49
31	438.07	---	437.86	433.37	---	435.95	---	439.06	---	439.10	438.99	---
MAX	438.15	438.28	438.46	440.07	437.44	435.95	438.58	439.35	439.42	439.23	439.13	439.00
MIN	437.95	438.07	437.07	433.37	432.74	433.52	436.09	438.29	438.83	438.97	438.92	438.49
(*)	6.75	6.85	6.66	4.67	5.08	5.80	6.87	7.21	7.16	7.23	7.17	6.49
(*)	-15	39	-71	-743	169	269	413	127	-19	26	-22	-89
CAL YR 1981	* 13	MAX	439.26	MIN	434.33							
WTR YR 1982	* 11	MAX	440.07	MIN	432.74							

(*) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.

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

SANTEE RIVER BASIN

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02166970 NINETY-SIX CREEK NEAR NINETY-SIX, S.C.

LOCATION.--Lat 34°07'57", long 81°59'48", Greenwood County, Hydrologic Unit 03050109, at downstream side of bridge on State Road 288, 3.3 mi (5.3 km) southeast of Ninety-Six and 10.1 mi (16.2 km) southeast of Greenwood.

DRAINAGE AREA.--17.4 mi² (45.1 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 425 ft (130 m).

REMARKS.--Records poor, including those for period of no gage-height record, Jan. 4 to Feb. 3.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,090 ft³/s (30.9 m³/s) Jan. 4, 1982, gage height, 10.24 ft (3.121 m) minimum daily, 0.29 ft³/s (0.008 m³/s) Sept. 29, 30; Oct. 2, 3, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,090 ft³/s (30.9 m³/s) Jan. 4, gage height 10.24 ft (3.121 m); minimum daily, 0.29 ft³/s (0.008 m³/s) Oct. 2, 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	1.8	8.0	358	95	56	6.4	7.7	2.1	1.6	9.2	.77
2	.29	1.8	7.5	25	70	23	6.2	6.7	1.9	1.5	1.8	.85
3	.29	1.8	4.1	259	629	15	6.4	6.0	1.8	1.4	1.5	.81
4	.30	1.7	2.9	810	109	12	6.0	5.5	5.1	1.2	1.3	.70
5	.32	1.7	2.5	96	33	10	21	5.1	7.4	1.1	1.2	.63
6	.34	1.7	2.5	16	26	9.2	18	4.9	2.9	1.1	1.3	.60
7	.41	1.7	2.6	11	16	56	8.6	4.6	2.1	1.1	3.9	.57
8	.41	1.8	2.6	8.8	13	24	39	4.6	2.0	1.1	54	.51
9	.41	1.9	2.6	7.4	21	12	96	4.5	1.8	1.2	4.6	.51
10	.54	2.0	1.9	6.8	38	9.9	17	3.9	1.7	2.1	2.5	.57
11	.57	2.2	3.4	7.0	16	9.1	11	3.6	2.0	1.5	2.0	1.0
12	.66	2.1	3.7	11	12	8.2	8.3	3.3	1.7	1.4	2.6	1.4
13	.60	2.2	1.8	6.2	25	7.4	7.5	3.1	2.0	1.4	1.8	.93
14	.57	4.4	65	5.8	15	6.9	7.5	2.9	2.3	1.2	1.7	.85
15	.60	4.6	306	5.8	11	34	7.4	2.6	1.8	1.5	1.6	.89
16	.63	4.6	35	5.6	106	108	6.7	2.6	1.7	1.6	1.4	.85
17	.63	4.8	10	5.4	525	18	8.0	2.4	1.7	1.8	1.4	.81
18	.63	4.8	6.9	5.2	52	12	14	2.2	1.8	1.6	1.4	.70
19	.66	4.5	5.1	15	24	9.9	7.7	2.3	1.8	1.5	1.8	.66
20	.70	4.6	2.9	45	18	8.8	8.6	2.5	1.6	1.4	1.4	.70
21	.74	4.9	2.5	250	13	7.5	8.6	2.7	1.6	1.2	1.3	.77
22	.81	2.2	2.6	120	11	6.9	7.1	2.3	2.9	1.1	1.1	1.1
23	.85	2.2	2.4	150	9.7	6.0	6.0	2.3	2.9	1.1	1.0	.70
24	.97	6.3	2.6	120	9.1	6.6	5.7	3.6	1.9	1.4	1.0	.60
25	1.6	2.6	413	75	8.3	7.5	14	4.0	1.8	1.4	.93	.54
26	3.6	1.7	59	50	8.2	7.2	109	5.5	1.6	1.1	.89	.57
27	3.3	1.6	20	42	135	6.8	275	8.9	1.8	.97	.89	.66
28	2.1	2.7	14	38	132	6.6	35	3.4	2.4	.97	.85	.63
29	1.7	2.7	14	36	---	6.5	14	2.9	1.9	2.6	.81	.54
30	1.6	3.1	9.5	40	---	6.5	9.1	2.4	1.9	2.6	.77	.51
31	1.6	---	432	50	---	6.4	---	2.2	---	1.1	.73	---
TOTAL	28.73	86.7	1448.6	2681.0	2180.3	523.9	794.8	121.2	67.9	43.84	108.67	21.93
MEAN	.93	2.89	46.7	86.5	77.9	16.9	26.5	3.91	2.26	1.41	3.51	.73
MAX	3.6	6.3	432	810	629	108	275	8.9	7.4	2.6	54	1.4
MIN	.29	1.6	1.8	5.2	8.2	6.0	5.7	2.2	1.6	.97	.73	.51
CAL YR 1981	TOTAL	3477.86	MEAN	9.53	MAX	720	MIN	.29				
WTR YR 1982	TOTAL	8107.57	MEAN	22.2	MAX	810	MIN	.29				

SANTÉE RIVER BASIN

02167000 SALUDA RIVER AT CHAPPELLE, S.C.

LOCATION.--Lat 34°10'40", long 81°51'40", Newberry County, Hydrologic Unit 03050109, on left bank on downstream side of bridge on State Highway 39 at Chappells, 6.7 mi (10.8 km) downstream from dam at Lake Greenwood, 9.8 mi (15.8 km) upstream from Little River, and at mile 52.3 (84.2 km).

DRAINAGE AREA.--1,360 mi² (3,522 km²).

PERIOD OF RECORD.--October 1926 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at practically same site since 1905 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 362.89 ft (110.609 m) National Geodetic Vertical Datum of 1929. Oct. 1, 1926 to Sept. 30, 1939, nonrecording or recording gage at site 300 ft (91 m) downstream at datum 363.79 ft (110.883 m) above mean sea level. Oct. 1, 1939 to Oct. 7, 1964, recording gage at present site and at datum 363.89 ft (110.914 m) above mean sea level.

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

AVERAGE DISCHARGE.--56 years, 1,967 ft³/s (55.70 m³/s), 19.64 in/yr (499 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63,700 ft³/s (1,804 m³/s), Oct. 2, 1929, gage height 32.5 ft (9.91 m), present datum, from rating curve extended above 27,000 ft³/s (765 m³/s) on basis of velocity-area studies; minimum, 8 ft³/s (0.23 m³/s) Oct. 29, 1939, caused by construction work above station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Aug. 26, 1908 reached a stage of 36.7 ft (11.19 m) (present site and datum), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,600 ft³/s (612 m³/s) Jan. 4, gage height, 23.05 ft (7.026 m); minimum, unknown; minimum daily, 23 ft³/s (0.651 m³/s) Oct. 12, 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	320	321	1620	5970	3400	3620	535	1300	2840	756	2900	782
2	374	210	892	4720	3240	3450	861	845	4520	606	2270	807
3	385	472	1620	4220	3900	3280	707	1700	3060	868	1740	1340
4	326	549	1080	13000	4500	3210	772	2550	2160	443	1300	542
5	160	330	837	20800	3820	3170	1750	1260	1530	930	978	347
6	100	388	516	12500	3460	914	1560	702	1150	287	1050	361
7	30	348	729	5020	3300	1140	826	660	1790	961	479	380
8	120	333	490	3420	3240	2080	1550	424	1820	960	1190	594
9	65	323	1560	3320	3230	2240	1480	1180	723	345	1680	380
10	220	220	1390	3280	3360	2030	914	709	1120	1220	1110	764
11	50	601	555	3240	3280	1470	490	1300	1910	1090	1080	789
12	23	361	431	3220	3160	890	459	718	349	1910	1030	1110
13	190	395	360	3210	3300	477	1460	875	878	524	1470	938
14	50	283	1260	3210	3270	826	2080	1010	1730	1470	1300	515
15	240	323	3010	3210	3210	1700	2110	642	1840	1330	1100	810
16	305	346	3920	3210	3280	2690	1030	425	1750	1200	1100	796
17	52	309	3400	3290	4640	2360	419	407	1050	1270	1190	1320
18	23	324	3230	3250	4620	2230	896	428	960	1220	740	629
19	200	598	1360	3230	3680	1940	1660	416	441	1900	976	341
20	62	309	912	3240	3370	2030	2000	319	1260	1600	1110	816
21	35	365	1560	3350	3260	1150	1230	2370	2320	824	725	1080
22	28	307	1560	3480	3180	1320	823	929	2380	788	659	956
23	240	635	1260	3460	3180	1410	627	1030	1360	689	636	431
24	50	353	1320	3870	3170	1570	553	2130	577	713	989	889
25	220	328	2280	3420	3150	722	644	2100	1310	455	446	377
26	1270	354	4140	3280	3150	691	2170	906	564	1280	329	344
27	1590	328	2350	3210	3360	759	4090	1870	455	792	750	452
28	1520	335	2200	3180	3670	385	3440	2650	2090	722	332	657
29	463	360	2070	3160	---	1650	3810	940	994	601	360	1020
30	943	695	2050	3150	---	870	2350	2230	1210	1180	586	530
31	395	---	2880	3150	---	775	---	2850	---	1730	767	---
TOTAL	10049	11403	52842	145270	97380	53049	43296	37875	46141	30664	32372	21097
MEAN	324	380	1705	4686	3478	1711	1443	1222	1538	989	1044	703
MAX	1590	695	4140	20800	4640	3620	4090	2850	4520	1910	2900	1340
MIN	23	210	360	3150	3150	385	419	319	349	287	329	341
CAL YR 1981	TOTAL	323959	MEAN	888	MAX	6480	MIN	23				
WTR YR 1982	TOTAL	581438	MEAN	1593	MAX	20800	MIN	23				

02168500 LAKE MURRAY NEAR COLUMBIA, S.C.

LOCATION.--Lat 34°03'07", long 81°13'15", Lexington County, Hydrologic Unit 03050109, in intake tower 500 ft (152 m) upstream from dam on Saluda River and 10.0 mi (16.1 km) upstream from confluence of Saluda and Broad Rivers at Columbia.

DRAINAGE AREA.--2,420 mi² (6,270 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 0.64 ft (0.195 m) below National Geodetic Vertical Datum of 1929. Prior to Oct. 31, 1930, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by earth dam; storage began Aug. 31, 1929; dam completed in 1930. Usable capacity, 70,300,000,000 ft³ (1,990,000,000 m³) between gage heights 300.0 ft (91.44 m) (limit of drawdown) and 360.0 ft (109.73 m) (maximum normal lake level). Dead storage, 21,800,000,000 ft³ (617,000,000 m³). Figures given herein represent usable contents. Gage height of one spillway crest (completed in 1946), 330 ft (100.6 m) with top of gages 362 ft (110.3 m); gage height of other spillway crest, 340 ft (103.6 m) with top of gages 365 ft (111.3 m). Water is used for generation of power.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 361.51 ft (110.188 m) Apr. 10, 1936; minimum gage height since generation of power was started 320.96 ft (97.829 m) Dec. 23, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 358.92 ft (109.399 m) June 4; minimum gage height, 352.03 ft (107.299 m) Nov. 24, 28, 30.

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

350 ft (106.7 m)	50.77 ft ³ (1,438.0 m ³)
352 ft (107.3 m)	54.30 ft ³ (1,538.0 m ³)
356 ft (108.5 m)	61.91 ft ³ (1,753.3 m ³)
358 ft (109.1 m)	66.00 ft ³ (1,869.1 m ³)
360 ft (109.7 m)	70.30 ft ³ (1,990.9 m ³)

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	354.22	353.00	352.23	356.78	354.89	356.79	355.74	358.12	358.48	358.59	357.99	355.71
2	353.94	352.99	352.27	357.04	354.96	356.54	355.75	358.17	358.67	358.59	358.07	355.54
3	353.90	352.98	352.29	357.17	355.50	356.49	355.84	358.19	358.86	358.59	358.11	355.47
4	353.87	352.85	352.35	357.56	355.81	356.14	355.83	358.28	358.78	358.65	358.08	355.45
5	353.84	352.77	352.34	357.88	355.66	356.08	355.98	358.16	358.58	358.63	358.09	355.38
6	353.64	352.74	352.32	358.06	355.83	356.07	356.09	358.05	358.61	358.63	358.09	355.36
7	353.55	352.68	352.36	357.86	355.89	356.13	356.09	358.05	358.61	358.63	358.12	355.35
8	353.46	352.67	352.34	357.38	355.90	355.83	356.23	358.02	358.42	358.63	358.18	355.34
9	353.41	352.66	352.33	357.20	355.89	355.76	356.37	357.99	358.44	358.63	357.86	355.33
10	353.40	352.66	352.24	356.95	355.84	355.70	356.46	357.99	358.44	358.68	357.98	355.31
11	353.36	352.63	352.17	356.41	355.89	355.62	356.48	358.01	358.49	358.70	357.98	355.42
12	353.28	352.57	352.13	356.07	355.80	355.62	356.49	357.80	358.50	358.73	357.95	355.45
13	353.26	352.46	352.11	356.02	355.99	355.59	356.52	357.69	358.70	358.71	357.96	355.44
14	353.21	352.33	352.28	356.12	356.09	355.58	356.56	357.69	358.72	358.77	358.00	355.46
15	353.18	352.23	353.02	356.09	355.96	355.65	356.71	357.69	358.53	358.75	358.00	355.32
16	353.15	352.27	353.33	356.25	355.95	355.74	356.80	357.68	358.45	358.58	357.86	355.06
17	353.11	352.23	353.51	356.34	356.24	355.86	356.86	357.71	358.63	358.69	357.78	355.04
18	353.07	352.20	353.64	356.41	356.15	355.90	356.91	357.71	358.62	358.60	357.83	355.03
19	353.00	352.09	353.71	356.34	356.16	355.93	356.93	357.68	358.58	358.43	357.69	355.14
20	352.94	352.16	353.73	356.18	356.23	355.94	357.13	357.71	358.56	358.42	357.39	355.13
21	352.87	352.12	353.77	355.98	356.40	355.99	357.21	357.77	358.54	358.13	357.09	355.16
22	352.88	352.07	353.81	355.64	356.52	355.94	357.26	357.84	358.71	357.80	357.15	355.19
23	352.91	352.04	353.86	355.68	356.51	355.91	357.27	357.84	358.63	357.87	356.70	355.19
24	352.87	352.08	354.01	355.72	356.63	355.88	357.27	357.96	358.54	357.88	356.32	355.19
25	353.02	352.06	354.58	355.45	356.73	355.92	357.40	358.05	358.53	357.87	355.98	355.18
26	353.04	352.04	354.92	355.05	356.42	355.85	357.72	358.11	358.48	357.48	356.00	355.22
27	353.06	352.06	355.10	354.68	356.60	355.80	357.78	358.14	358.48	357.51	355.79	355.22
28	353.08	352.06	355.25	354.40	356.84	355.68	357.91	358.29	358.53	357.47	355.79	355.05
29	353.04	352.06	355.42	354.48	---	355.63	358.00	358.29	358.57	357.47	355.76	355.03
30	353.02	352.07	355.26	354.50	---	355.68	358.06	358.36	358.57	357.47	355.69	355.03
31	353.02	---	356.03	354.71	---	355.70	---	358.46	---	357.61	355.71	---
MAX	354.22	353.00	356.03	358.06	356.84	356.79	358.06	358.46	358.86	358.77	358.18	355.71
MIN	352.87	352.04	352.11	354.40	354.89	355.58	355.74	357.68	358.42	357.47	355.69	355.03
(+)	56.18	54.43	61.97	59.38	63.60	61.32	66.13	66.98	67.21	65.19	61.34	60.00
(*)	-478	-675	2815	-967	1744	-851	1856	317	89	-754	-1437	-517
CAL YR 1981	* 249		MAX	357.24	MIN	350.05						
WTR YR 1982	* -45		MAX	358.86	MIN	352.04						

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

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

SANTÉE RIVER BASIN

Q2169000 SALUDA RIVER NEAR COLUMBIA, S.C.

LOCATION.--Lat 34°00'50", long 81°05'17", Richland County, Hydrologic Unit 03050109, on left bank 0.4 mi (0.6 km) upstream from site of Old Saluda Mill, 1.6 mi (2.6 km) upstream from confluence with Broad River and 3.3 mi (5.3 km) west of State Capital in Columbia, and at mile 1.67 (2.69 km).

DRAINAGE AREA.--2,520 mi² (6,527 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 149.46 ft (45.555 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 1, 1929, at same site at datum 150.46 ft (45.860 m) above mean sea level.

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

AVERAGE DISCHARGE.--57 years, 2,896 ft³/s (82.01 m³/s), 15.61 in/yr (396 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,000 ft³/s (1,900 m³/s) Oct. 2, 1929, gage height, 15.22 ft (4.639 m), from rating curve extended above 36,000 ft³/s (1,020 m³/s) on basis of discharge measurements made at Wise Ferry Bridge near Chapin; minimum, 11 ft³/s (0.31 m³/s) July 13, 1930; minimum daily, 12 ft³/s (0.34 m³/s) July 13, 1930, caused by construction work above station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,600 ft³/s (555 m³/s) Jan. 4, gage height, 8.30 ft (2.530 m); minimum, 360 ft³/s (10.2 m³/s) Oct. 24; minimum daily, 366 ft³/s (10.4 m³/s) Oct. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3340	635	504	3210	875	7940	522	956	2100	415	678	890
2	1280	636	469	4590	2800	8920	479	454	1880	419	462	5410
3	615	388	441	9770	8790	7980	489	440	1580	448	625	3000
4	686	3720	440	19400	6950	10100	469	1190	6770	640	1990	2200
5	810	2170	429	19100	10500	6520	546	4280	7920	522	2190	454
6	4360	971	432	18500	3360	2800	537	2920	1730	424	1080	425
7	1830	893	879	18400	2650	2640	982	1950	1240	422	633	435
8	1520	523	622	18000	4100	8080	597	1690	5240	427	608	437
9	727	630	630	9900	5340	5910	672	1170	2010	494	6960	438
10	390	493	2800	9290	4550	4130	537	534	889	506	1370	439
11	815	983	2860	16200	4470	3010	496	408	777	460	2000	544
12	1540	1710	708	11400	5360	3080	580	3780	418	971	1640	501
13	396	1870	400	6090	2690	2180	1170	5310	578	1390	776	1170
14	815	2590	569	3860	2140	995	1200	1110	1190	1460	443	474
15	691	2100	1150	3670	5550	1520	579	716	4570	4000	435	4160
16	421	1050	737	2550	8980	2180	482	466	5510	3640	1680	4870
17	372	1090	648	1490	11300	2040	460	423	3300	1540	4510	1200
18	825	824	547	2590	11600	1900	451	535	1760	2490	1920	443
19	876	1070	489	5140	8400	2200	611	798	461	6350	2860	445
20	1080	1200	609	6390	3010	2300	585	455	496	3020	6920	547
21	518	1210	589	11500	693	2190	478	427	887	6590	6080	484
22	384	1160	487	12800	2420	2320	447	417	856	7430	2660	493
23	366	992	456	9470	3800	1920	841	415	3570	1780	6990	478
24	613	430	471	6870	1290	1980	526	418	5040	929	8700	464
25	1130	395	1330	11500	684	2310	455	504	1900	1490	8900	454
26	3100	391	740	13000	10500	2380	795	501	1840	6330	2410	467
27	1130	412	697	12800	7520	2430	6920	427	560	2750	4380	461
28	1130	444	607	11000	2490	2600	3990	599	435	2000	1680	3990
29	1440	412	1040	4510	---	1890	2340	749	693	723	586	1600
30	856	443	6090	3130	---	581	1930	702	554	479	588	484
31	1020	---	6130	778	---	503	---	503	---	477	727	---
TOTAL	35076	31835	35000	286898	142812	107529	31166	35247	66754	61016	83481	39857
MEAN	1131	1061	1129	9255	5100	3469	1039	1137	2225	1968	2693	1329
MAX	4360	3720	6130	19400	11600	10100	6920	5310	7920	7430	8900	4870
MIN	366	388	400	778	684	503	447	408	418	415	435	425

CAL YR 1981 TOTAL 369888 MEAN 1013 MAX 9740 MIN 366
WTR YR 1982 TOTAL 956671 MEAN 2621 MAX 19400 MIN 366

SANTEE RIVER BASIN

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02169500 CONGAREE RIVER AT COLUMBIA, S.C.

LOCATION.--Lat 33°59'35", long 81°03'00", Lexington County, Hydrologic Unit 03050110, on right bank at Columbia, 1,000 ft (300 m) downstream from Gervais Street Bridge, 1.4 mi (2.3 km) downstream from confluence of Broad and Saluda Rivers, and at mile 174.8 (281.3 km).

DRAINAGE AREA.--7,850 mi² (20,330 km²), approximately.

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 1,000 ft (300 m) upstream October 1891 to December 1933 and at present site since January 1934 are contained in reports of National Weather Service.

GAGE.--Water-stage recorders. Datum of gage is 113.02 ft (34.448 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow regulated by Lake Murray (see sta 02168500), and Lake Greenwood (see sta 02166500) on Saluda River and to some extent, at low and medium flow, by powerplants on Broad River. City of Columbia diverted about 57 ft³/s (1.61 m³/s) above station for municipal supply.

AVERAGE DISCHARGE.--43 years, 9,311 ft³/s (263.7 m³/s), 16.10 in/yr (409 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 155,000 ft³/s (4,390 m³/s) Oct. 11, 1976, gage height, 29.74 ft (9.065 m); minimum, 588 ft³/s (16.7 m³/s) Jan. 19, 1942, gage height 0.94 ft (0.287 m); minimum daily, 662 ft³/s (18.7 m³/s) Oct. 18, 1954.

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--Maximum flood since at least Oct. 1891, discharge 364,000 ft³/s (10,300 m³/s), Aug. 27, 1908, gage height, 39.8 ft (12.13 m), present datum, at site 1,000 ft (300 m) upstream, from records of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 84,200 ft³/s (2,380 m³/s) Jan. 6, gage height, 22.20 ft (6.767 m); minimum, 656 ft³/s (18.6 m³/s), Oct. 17, gage height, 1.37 ft (0.418 m); minimum daily, 718 ft³/s (20.3 m³/s) Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5240	1930	3760	36000	6260	24900	5510	9710	12400	4810	11300	3140
2	3300	2050	4350	47300	7440	24400	5200	7630	16200	3750	8320	5580
3	1010	1920	4260	44000	21900	22900	4320	6670	13100	3730	9150	4880
4	1500	4030	4870	62700	38600	20300	4320	7280	16600	3920	7420	4460
5	1730	4070	3590	77200	56000	13800	5640	9050	16000	3730	6900	2230
6	4180	3470	3190	77600	37600	8880	5400	7970	11500	3560	5580	2890
7	2610	3620	3820	58400	24800	8830	5870	7220	8390	3480	4410	1880
8	2130	1660	3170	42800	18000	18100	5150	5740	9920	3210	3600	902
9	2260	2290	2440	24800	12600	14900	6930	6170	9880	3580	8750	1740
10	1800	3680	4160	16400	10500	11600	7480	3730	5330	4320	5850	1580
11	2250	3410	4800	20600	12700	11100	7010	4910	4740	4760	6010	2510
12	3120	4170	2680	16000	15700	10300	6420	6420	6010	4230	6530	2930
13	1930	3620	2530	10700	10800	8420	5560	8680	6500	6010	7570	2940
14	2200	3860	2770	8560	8060	6590	5690	5130	7040	5820	9950	2930
15	1860	2900	8180	8570	9920	5610	5510	4070	9150	9290	5560	5430
16	1550	2690	10000	7360	16600	8090	6360	4570	11500	9020	5510	7660
17	718	2430	15400	6790	27500	8890	6670	3210	8520	7330	7160	3540
18	1370	2070	10500	7600	39900	10900	7330	4140	6310	7910	4270	1960
19	2360	3020	6320	9710	29000	10400	7300	5100	5450	11000	5580	2250
20	2590	3630	5970	10400	12600	8200	7660	4710	6030	7570	9020	1570
21	2120	2670	5820	16000	9030	7910	8260	5280	6280	10500	8390	3430
22	2120	3120	5230	24300	10300	7930	7130	5480	6500	11100	4810	2130
23	1780	2840	3300	21700	10200	7540	5430	5640	8130	4360	8480	2350
24	1030	1180	2970	21800	6980	7610	5400	8030	7940	3960	10900	2020
25	2760	2770	9120	25400	6720	7970	5030	6730	6950	4460	9780	1540
26	4390	2150	11200	23800	15100	7940	7600	6840	7300	10400	4500	2800
27	4970	2260	11000	23400	16800	6840	15700	9430	5660	6250	4790	1920
28	5740	2380	10000	16300	10800	6610	22500	10600	5580	5300	4600	5000
29	7040	2560	9310	9380	---	5330	22400	11100	5790	3520	2250	3350
30	5530	1830	10900	8150	---	4300	12400	9850	6330	3390	3080	1300
31	4120	---	18700	5960	---	4930	---	6420	---	3900	3660	---
TOTAL	87308	84280	204310	790180	502410	332020	233680	207510	257030	178170	203680	88842
MEAN	2816	2809	6591	25490	17940	10710	7789	6694	8568	5747	6570	2961
MAX	7040	4170	18700	77600	56000	24900	22500	11100	16600	11100	11300	7660
MIN	718	1180	2440	5960	6260	4300	4320	3210	4740	3210	2250	402

CAL YR 1981 TOTAL 1589375 MEAN 4354 MAX 33000 MIN 718
WTR YR 1982 TOTAL 3169420 MEAN 8683 MAX 77600 MIN 718

SANTÉE RIVER BASIN

02169570 GILLS CREEK AT COLUMBIA, S.C.

LOCATION.--Lat 33°59'22", long 80°58'28", Richland County, Hydrologic Unit 03050110, at upstream side of bridge on U.S. Highway 378 and 76 (Devine Street) at Columbia, 0.75 mi (1.21 km) downstream from Lake Katherine, and at mile 7.7 (12.4 km).

DRAINAGE AREA.--59.6 mi² (154.4 km²).

PERIOD OF RECORD.--Water years 1964-66 (annual maximum), September 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.38 ft (41.873 m) National Geodetic Vertical Datum of 1929. Apr. 1, 1964 to Aug. 6, 1966, crest-stage gage at same site and datum.

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

AVERAGE DISCHARGE.--16 years, 76.4 ft³/s (2.164 m³/s), 17.41 in/yr (442 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,880 ft³/s (81.6 m³/s) Feb. 24, 1979, gage height, 8.66 ft (2.640 m); minimum daily, 9.4 ft³/s (0.27 m³/s) Nov. 5, 1979.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft³/s (14.2 m³/s) and maximum (*):

Date	Time	Discharge		Gage height		Date	Time	Discharge		Gage height	
		(ft ³ /s)	(m ³ /s)	(ft)	(m)			(ft ³ /s)	(m ³ /s)	(ft)	(m)
Dec. 15	1300	507	14.4	4.89	1.490	Jan. 4	1500	598	16.9	5.18	1.579
Dec. 25	1200	531	15.0	4.97	1.515	Apr. 27	2100	805	21.9	5.68	1.731
Dec. 31	1900	1,080	30.6	6.37	1.942	June 3	1700	*2,050	58.1	*7.83	2.387

Minimum daily, 11 ft³/s (0.31 m³/s) May 18, 19, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	27	84	727	62	141	73	136	25	35	93	23
2	14	25	94	332	56	109	69	110	42	29	111	23
3	13	23	70	365	183	89	65	100	675	26	110	23
4	13	22	52	504	148	71	46	100	537	23	92	23
5	13	21	40	436	138	77	16	94	453	27	103	22
6	13	20	33	225	109	77	42	91	189	23	111	22
7	13	19	30	154	88	138	61	86	89	23	130	20
8	12	19	29	127	83	159	79	80	55	23	115	20
9	12	19	27	101	127	118	73	72	40	31	99	20
10	14	20	26	84	133	88	68	61	56	40	100	20
11	13	20	25	71	122	74	72	43	69	49	134	35
12	12	22	24	64	115	67	79	42	55	38	153	26
13	12	22	24	73	127	65	76	45	80	31	129	23
14	12	23	73	124	104	62	73	43	62	65	104	23
15	12	22	351	140	91	75	67	38	56	93	86	24
16	12	23	302	118	208	125	62	26	113	65	56	24
17	12	25	152	101	321	134	65	12	123	49	28	23
18	12	26	109	87	208	102	65	11	64	80	29	24
19	12	27	75	83	134	85	65	11	37	180	29	23
20	12	26	57	101	105	77	81	12	30	79	29	30
21	12	25	48	120	87	68	79	12	28	56	28	30
22	12	24	45	109	76	69	77	11	153	43	27	27
23	12	23	45	143	66	71	75	12	173	43	26	25
24	13	33	53	154	61	68	69	18	106	77	25	23
25	26	38	426	124	59	63	73	18	72	56	25	22
26	38	41	332	106	68	61	118	18	54	68	28	23
27	48	42	199	92	183	59	400	18	44	57	27	23
28	48	65	143	77	189	59	612	34	44	63	25	22
29	38	49	170	69	---	64	321	30	46	111	24	22
30	32	53	116	66	---	67	183	20	40	116	23	21
31	31	---	519	63	---	81	---	16	---	91	23	---
TOTAL	562	844	3773	5140	3451	2663	3304	1420	3610	1790	2122	709
MEAN	18.1	28.1	122	166	123	85.9	110	45.8	120	57.7	68.5	23.6
MAX	48	65	519	727	321	159	612	136	675	180	153	35
MIN	12	19	24	63	56	59	16	11	25	23	23	20
CFSM	.30	.47	2.05	2.79	2.06	1.44	1.85	.77	2.01	.97	1.15	.40
IN.	.35	.53	2.35	3.21	2.15	1.66	2.06	.89	2.25	1.12	1.32	.44
CAL YR 1981 TOTAL	18620	MEAN 51.0	MAX 1040	MIN 12	CFSM .86	IN 11.62						
WTR YR 1982 TOTAL	29388	MEAN 80.5	MAX 727	MIN 11	CFSM 1.35	IN 18.34						

SANTÉE RIVER BASIN

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02169630 BIG BEAVER CREEK NEAR ST. MATTHEWS, S.C.

LOCATION.--Lat 33°44'12", long 80°57'30", Calhoun County, Hydrologic Unit 03050110, on right downstream wingwall of bridge on U.S. Highway 21, 0.1 mi (0.2 km) downstream from Rock Branch, 11.6 mi (18.7 km) northwest of St. Matthews, and at mile 8.2 (13.2 km).

DRAINAGE AREA.--10.0 mi² (25.9 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 164.21 ft (50.1 m), National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--16 years, 13.8 ft³/s (0.391 m³/s), 18.74 in/yr (476 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft³/s (38.5 m³/s) July 29, 1971 from rating extended above 210 ft³/s (5.95 m³/s) by logarithmic plotting, gage height 6.66 ft (2.030 m); minimum daily, 4.5 ft³/s (0.13 m³/s) May 25, 26, July 15, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 63 ft³/s (1.78 m³/s) Dec. 31, gage height, 3.59 ft (1.094 m), no peak above base of 100 ft³/s (283 m³/s); minimum daily, 5.5 ft³/s (0.16 m³/s) July 4, 5.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	8.3	11	36	13	15	10	12	8.3	6.0	8.3	7.3
2	9.8	8.5	15	20	11	14	9.5	11	7.6	5.7	8.3	8.8
3	7.1	8.6	9.3	27	16	13	9.0	11	20	6.0	7.7	11
4	7.4	8.5	7.7	26	15	13	8.5	11	27	5.5	7.1	11
5	8.0	8.6	7.1	19	13	12	8.0	10	16	5.5	13	10
6	7.7	8.5	6.2	16	12	12	8.5	10	19	5.8	18	7.1
7	7.6	8.2	6.4	21	11	16	10	9.7	11	6.1	12	6.1
8	7.4	7.7	6.5	15	11	22	12	9.5	9.3	6.4	14	6.0
9	7.4	7.9	6.2	13	12	16	11	9.1	8.3	6.4	14	6.1
10	9.8	8.2	6.1	12	12	13	10	8.5	9.0	7.4	11	7.1
11	10	8.3	6.2	12	11	11	11	8.3	11	7.9	9.0	9.1
12	9.0	7.9	6.2	12	13	10	12	8.0	8.5	6.7	8.8	9.0
13	8.2	7.6	6.2	13	19	9.5	11	7.9	14	23	9.3	7.9
14	8.5	7.6	11	19	14	11	10	7.7	11	15	8.8	7.6
15	8.2	8.0	22	16	13	13	10	7.6	8.8	18	8.3	7.6
16	7.9	8.0	15	14	18	18	9.5	7.4	8.2	20	7.9	6.8
17	7.9	8.6	10	13	27	17	11	8.2	8.8	18	7.7	6.4
18	7.6	7.7	11	12	18	14	9.5	9.7	9.3	11	7.9	13
19	7.4	7.4	8.8	13	16	12	10	8.5	8.3	14	7.9	17
20	7.3	8.3	7.9	12	14	11	11	8.6	7.4	20	7.6	18
21	7.7	7.7	7.3	12	14	10	13	9.8	7.0	12	7.3	14
22	7.7	7.1	7.7	12	13	10	12	9.0	9.8	9.1	7.0	12
23	7.4	7.1	7.4	14	13	11	11	8.3	9.5	8.5	7.0	9.0
24	8.2	8.6	8.2	17	13	10	10	9.0	8.0	9.1	6.8	8.5
25	13	7.9	25	13	13	9.5	14	14	7.4	10	6.5	7.3
26	12	7.3	16	12	13	9.0	25	14	7.0	8.5	6.4	8.5
27	10	7.9	13	11	20	8.5	30	10	7.0	7.9	6.7	8.6
28	8.8	7.1	11	11	17	9.0	17	9.0	7.3	7.1	6.7	8.2
29	8.5	6.8	13	10	---	9.5	13	8.0	6.7	7.7	6.5	7.9
30	8.5	8.3	9.7	10	---	10	12	11	6.2	8.3	6.5	7.7
31	8.5	---	35	12	---	11	---	11	---	8.3	6.5	---
TOTAL	263.3	238.2	339.1	475	405	380.0	358.5	296.8	306.7	310.9	270.5	274.6
MEAN	8.49	7.94	10.9	15.3	14.5	12.3	12.0	9.57	10.2	10.0	8.73	9.15
MAX	13	8.6	35	36	27	22	30	14	27	23	18	18
MIN	7.1	6.8	6.1	10	11	8.5	8.0	7.4	6.2	5.5	6.4	6.0
CFSM	.85	.79	1.09	1.53	1.45	1.23	1.20	.96	1.02	1.00	.87	.92
IN.	.98	.89	1.26	1.77	1.51	1.41	1.33	1.10	1.14	1.16	1.01	1.02

CAL YR 1981 TOTAL 3400.5 MEAN 9.32 MAX 56 MIN 4.5 CFSM .93 IN 12.65
WTR YR 1982 TOTAL 3918.6 MEAN 10.7 MAX 36 MIN 5.5 CFSM 1.07 IN 14.58

SANTEE RIVER BASIN

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°23'14", long 80°08'25", Berkeley County, Hydrologic Unit 03050201, on right bank 0.6 mi (1.0 km) upstream from bridge on State Highway 45 and 7.0 mi (11.3 km) southwest of Pineville.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 60.0 ft (18.29 m) National Geodetic Vertical Datum of 1929 (levels by South Carolina Public Service Authority). Auxiliary water-stage recorder 3.9 mi (6.3 km) downstream from base gage.

REMARKS.--Records poor. Canal diverts water from Lake Marion to Lake Moultrie for generation of power and for navigation. Water is discharged from powerplant and navigation lock into West Branch Cooper River.

AVERAGE DISCHARGE.--39 years, 14,870 ft³/s (421 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 40,200 ft³/s (1,140 m³/s) Mar. 10, 1952; minimum daily (normal operation), 61 ft³/s (1.73 m³/s) Sept. 24, 25, 1956; maximum daily reverse flow, 12,100 ft³/s (343 m³/s) Feb. 9, 1947 (caused by unusual operation of gates).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7970	6360	5140	20200	22700	23300	11600	20800	14900	9710	10800	7480
2	6180	4100	8630	22200	21300	21200	8980	22500	13500	8550	8360	6290
3	1830	3880	4550	25500	19200	20900	8810	23300	15500	8360	7900	5250
4	2030	4200	9730	26800	18200	20900	8020	22500	16000	9860	8780	5740
5	2680	3300	1720	23800	16900	19600	9150	18500	18200	8750	11900	5230
6	4530	5930	4120	25600	16400	22200	13500	17700	17700	7180	11500	5600
7	6910	1960	5180	27300	17700	22800	7880	16900	17800	9390	13200	3850
8	2740	2390	8350	30500	16600	18100	12200	17500	20000	8520	14000	3480
9	2380	3450	7530	33600	28500	19800	16800	16500	19400	9630	15200	3220
10	6140	3430	8340	26900	22400	21200	11200	16200	20900	12400	9240	4540
11	4500	4380	8990	25200	22100	21700	13300	13000	15700	5440	12000	9000
12	2450	3240	10600	23800	26400	21900	10800	12000	14800	5650	11700	4560
13	3160	4310	10600	28900	16100	21500	8390	11900	17600	7790	13000	5420
14	2650	3160	5780	30200	20800	20500	7290	12700	16000	10500	10800	5890
15	3400	1300	9570	21000	20700	19700	9610	11000	16100	10700	11500	5120
16	4000	3480	5070	22200	20400	18400	10900	10500	18900	11700	12400	6450
17	1490	4730	6660	21200	19800	19400	9440	11100	21500	11600	14100	5870
18	7370	2900	16100	21300	17100	18800	7940	8360	33500	13700	14200	6430
19	653	3480	15100	21500	20400	19600	6650	7040	16200	12600	12900	5660
20	410	10600	13800	20900	19300	20800	11300	6050	18900	12900	11400	8210
21	4410	3460	15300	22300	21400	21200	11300	5920	18600	13500	11600	5200
22	2350	5330	14000	21900	21500	19600	11700	5920	13900	14100	10000	4370
23	5330	4460	15000	21400	19000	19100	11800	7230	10400	17300	10800	4030
24	2250	8910	14100	17200	20900	24900	13100	8870	10900	15400	10500	4270
25	4860	5840	16500	17200	20300	20400	15600	8490	12100	13700	10400	4110
26	1160	380	13300	21800	21300	18800	10700	10100	14400	12600	8770	9440
27	12500	3750	15400	23000	24200	17300	16800	9780	16800	12300	10500	3420
28	6780	4000	18300	24700	23100	17700	13800	10400	14800	12500	10900	6600
29	5100	1300	19300	22600	---	18200	15000	17000	12400	13600	6960	6580
30	6330	2800	16700	21800	---	15500	19300	15000	10400	12100	6310	5800
31	5280	---	25800	20000	---	14000	---	14800	---	13300	5670	---
TOTAL	129823	120810	349260	732500	574700	619000	342860	409560	497800	345330	337290	167110
MEAN	4188	4027	11270	23630	20530	19970	11430	13210	16590	11140	10880	5570
MAX	12500	10600	25800	33600	28500	24900	19300	23300	33500	17300	15200	9440
MIN	410	380	1720	17200	16100	14000	6650	5920	10400	5440	5670	3220
CAL YR 1981 TOTAL	2747213			MEAN 7527	MAX 25800	MIN 380						
WTR YR 1982 TOTAL	4626043			MEAN 12670	MAX 33600	MIN 380						

SANTEE RIVER BASIN

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

WATER-QUALITY RECORDS

LOCATION.--Lat 33°23'25", long 80°08'25", Berkeley County, Hydrologic Unit 03050201, at auxiliary water-stage recorder 3.9 mi (6.3 km) downstream from base gage, 7.0 mi (11.3 km) southwest of Pineville.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
NOV 03...	3880	118	7.4	19.0	2.3	8.9	K1	K572	20	.00	4.6	2.1
JAN 05...	23700	111	7.4	8.5	4.1	11.3	K2	K17	18	.00	4.2	1.8
MAR 02...	20900	74	6.9	11.0	32	11.8	K3	196	18	3.0	4.1	1.8
MAY 12...	12000	80	7.6	24.0	3.9	7.9	K1	>200	18	.00	4.3	1.8
JUL 07...	9390	82	7.4	19.0	2.4	8.9	K7	927	20	.00	4.6	2.0
SEP 01...	7480	85	7.4	23.5	20	8.2	K7	185	18	.00	4.2	1.8
DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAR (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
NOV 03...	13	55	1.4	2.3	23	12	14	.1	8.7	74	71	.10
JAN 05...	14	60	1.6	2.2	22	13	10	.2	7.7	74	66	.10
MAR 02...	8.7	47	1.0	2.8	15	10	7.2	<.1	11	61	55	.08
MAY 12...	9.9	51	1.1	1.7	22	8.0	7.4	.1	6.5	38	53	.05
JUL 07...	11	52	1.2	1.6	22	9.0	8.3	.2	8.2	66	58	.09
SEP 01...	9.6	51	1.1	1.9	23	9.0	8.2	.2	9.9	60	59	.08

SANTEE RIVER BASIN

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 03...	.07	.010	.01	.12	.020	.06	.010	.030	.09	5	81
JAN 05...	.19	<.010	.01	.55	.040	.12	.010	<.010	--	7	88
MAR 02...	.33	.050	.06	.21	.070	.21	.030	.020	.06	10	95
MAY 12...	<.10	.020	.03	.55	.030	.09	<.010	<.010	--	<1	100
JUL 07...	<.10	.020	.03	1.20	.060	.18	<.010	.030	.09	8	64
SEP 01...	<.10	.030	.04	.50	.020	.06	.020	<.010	--	4	72

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS RA)	BARIUM, DIS- SOLVED (UG/L AS RA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
JAN 05...	1315	1	1	0	100	40	63	<1	1	10
MAR 02...	1330	1	0	1	100	10	90	1	<1	20
MAY 12...	1500	2	1	1	<100	--	53	1	<1	10
JUL 07...	1500	1	--	<1	<100	--	48	1	<1	10

DATE	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
JAN 05...	--	<10	<1	<1	6	4	2	270	220	54
MAR 02...	--	<10	<1	<1	6	--	<1	1100	980	120
MAY 12...	0	10	2	<1	14	0	14	210	180	35
JUL 07...	--	<10	<1	1	6	4	2	300	290	14

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
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[illegible]

SANTEE RIVER BASIN

02171000 LAKE MARION NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°27'00", long 80°09'50", Berkeley County, Hydrologic Unit 03050111, at right upstream end of spillway, 2.8 mi (4.5 km) upstream from old Santee Canal, 5.4 mi (8.7 km) upstream from Dead River, and 8.0 mi (12.9 km) west of Pineville.

DRAINAGE AREA.--14,700 mi² (38,100 km²), approximately.

PERIOD OF RECORD.--January 1942 to current year. Prior to October 1942, published as Santee Reservoir near Pineville.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Harza Engineering Co.). Prior to May 6, 1942, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by earth dam. Storage began in November 1941; dam completed in 1941. Usable capacity, 47,930,000,000 ft³ (1,357,000,000 m³) between elevations 60.0 ft (18.29 m) (limit of drawdown) and 76.8 ft (23.41 m) (maximum normal lake elevation). Dead storage, about 15,250,000,000 ft³ (431,900,000 m³). Figures given herein represent usable contents. Elevation of spillway crest 63.0 ft (19.20 m); top of spillway gates, 76.8 ft (23.41 m). Some water used for generation of power. Major portion of water is diverted from Lake Marion through canal to Lake Moultrie (see preceding page) for generation of power and for navigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 77.35 ft (23.576 m) Feb. 28, 1964 (distorted due to high westerly winds); minimum, 61.36 ft (18.703 m) Oct. 17, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 76.74 ft (23.390 m) Jan. 14; minimum, 73.91 ft (22.528 m) Dec. 27, 28.

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

71.0 ft (21.64 m)	24.31 ft ³ (688.5 m ³)
72.0 ft (21.95 m)	27.75 ft ³ (785.9 m ³)
74.0 ft (22.56 m)	35.41 ft ³ (1,003.0 m ³)
76.0 ft (23.16 m)	44.13 ft ³ (1,250.0 m ³)
77.0 ft (23.47 m)	48.88 ft ³ (1,384.0 m ³)

ELEVATION (FEET NGVD). WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.73	74.78	74.47	74.32	76.41	76.47	75.15	75.70	75.22	75.21	74.98	75.05
2	74.64	74.79	74.59	74.37	76.35	76.39	75.14	75.82	75.22	75.25	75.10	75.03
3	74.68	74.77	74.59	74.60	76.25	76.33	75.29	75.89	75.31	75.30	75.18	75.01
4	74.66	74.74	74.61	75.00	76.06	76.33	75.14	75.84	75.46	75.32	75.26	75.04
5	74.65	74.77	74.59	75.09	75.85	76.30	75.13	75.80	75.60	75.33	75.32	75.07
6	74.56	74.82	74.65	75.23	75.76	76.28	75.07	75.79	75.69	75.35	75.36	75.05
7	74.47	74.79	74.65	75.63	75.91	76.26	74.96	75.73	75.82	75.34	75.38	75.00
8	74.50	74.79	74.63	76.10	76.22	76.21	75.01	75.72	75.86	75.29	75.38	74.95
9	74.46	74.77	74.57	76.22	76.44	76.25	74.89	75.65	75.82	75.24	75.36	74.92
10	74.51	74.78	74.44	76.08	76.40	76.30	74.79	75.53	75.93	75.17	75.32	74.92
11	74.48	74.77	74.35	76.15	76.37	76.34	74.82	75.40	75.82	75.13	75.32	75.08
12	74.44	74.71	74.24	76.30	76.54	76.35	74.79	75.30	75.79	75.14	75.38	75.04
13	74.43	74.70	74.14	76.55	76.47	76.33	74.81	75.23	75.82	75.15	75.44	74.98
14	74.43	74.74	74.19	76.59	76.49	76.23	74.84	75.18	75.77	75.31	75.42	74.93
15	74.41	74.77	74.34	76.45	76.47	76.16	74.87	75.06	75.75	75.35	75.44	74.92
16	74.39	74.76	74.29	76.47	76.36	76.09	74.85	75.02	75.71	75.35	75.40	74.91
17	74.40	74.74	74.37	76.36	76.21	76.04	75.01	74.98	75.69	75.36	75.36	74.97
18	74.52	74.73	74.46	76.33	76.19	76.01	75.01	74.84	75.86	75.45	75.38	74.98
19	74.34	74.73	74.47	76.36	76.20	76.02	75.10	74.81	75.66	75.51	75.36	75.01
20	74.33	74.77	74.42	76.40	76.18	76.02	75.29	74.84	75.54	75.54	75.38	75.05
21	74.31	74.64	74.38	76.43	76.23	76.06	75.32	74.89	75.42	75.50	75.36	75.02
22	74.35	74.59	74.30	76.35	76.15	76.00	75.41	74.87	75.37	75.50	75.32	75.01
23	74.33	74.54	74.21	76.19	76.12	75.88	75.39	74.86	75.37	75.50	75.32	75.01
24	74.35	74.50	74.04	76.00	76.17	75.85	75.33	74.91	75.33	75.44	75.28	74.98
25	74.33	74.45	73.97	76.12	76.09	75.82	75.39	74.96	75.31	75.40	75.26	74.97
26	74.42	74.45	73.94	76.25	76.22	75.76	75.47	75.02	75.27	75.28	75.28	75.08
27	74.50	74.45	73.94	76.46	76.36	75.62	75.47	75.09	75.26	75.20	75.34	75.02
28	74.49	74.44	74.04	76.51	76.44	75.52	75.37	75.07	75.22	75.18	75.28	74.93
29	74.54	74.42	74.02	76.48	---	75.40	75.44	75.10	75.22	75.14	75.24	74.86
30	74.63	74.44	74.04	76.44	---	75.29	75.55	75.15	75.21	75.16	75.20	74.84
31	74.72	---	74.34	76.47	---	75.22	---	75.18	---	75.06	75.12	---
MAX	74.73	74.82	74.65	76.59	76.54	76.47	75.55	75.89	75.93	75.54	75.44	75.08
MIN	74.31	74.42	73.94	74.32	75.76	75.22	74.79	74.81	75.93	75.54	75.44	75.08
(+)	38.46	37.27	36.85	46.36	46.22	40.63	42.11	40.45	40.58	39.91	40.18	38.96
(*)	-63	-459	-157	3551	-58	-2087	571	-620	50	-250	101	-471
CAL YR 1981	* 205		MAX	75.47	MIN	71.04						
WTR YR 1982	* 10		MAX	76.59	MIN	73.94						

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

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

02171500 SANTEE RIVER NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°27'15", long 80°09'25", Berkeley County, Hydrologic Unit 03050112, on right bank 2.4 mi (3.9 km) downstream from Lake Marion Dam, 3.0 mi (4.8 km) upstream from Dead River, 6.7 mi (10.8 km) west of Pineville, and at mile 85.0 (136.8 km).

DRAINAGE AREA.--14,700 mi² (38,100 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 23.00 ft (7.010 m) National Geodetic Vertical Datum of 1929 (levels by South Carolina Public Service Authority). Prior to Feb. 25, 1943, nonrecording gage at site 2.2 mi (3.5 km) upstream or temporary water-stage recorder operated by Corps of Engineers, at site 200 ft (60 m) upstream, at different datum.

REMARKS.--Records good. Flow completely regulated by Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin. Seepage from north dike of Lake Marion Dam bypasses station via Little River. Results of discharge measurements in cubic feet per second and cubic meters per second, of Little River, just below dam, made during water year 1982 are given below.

Dec. 9 - 20.7 ft³/s (0.59 m³/s)
June 17 - 26.6 ft³/s (0.75 m³/s)
Sept. 30 - 22.9 ft³/s (0.65 m³/s)

AVERAGE DISCHARGE.--40 years, 2,259 ft³/s (64.0 m³/s), 2.09 in/yr (53 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 155,000 ft³/s (4,390 m³/s) Sept. 23, 1945, gage height, 31.1 ft (9.48 m) from floodmarks, from rating curve extended above 13,000 ft³/s (368 m³/s) by computation of flow over spillway at Lake Marion; minimum daily, 9.0 ft³/s (0.25 m³/s) Feb. 23, 1947 (caused by repair work at spillway).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 72,000 ft³/s (2,040 m³/s) Jan. 10, gage height, 26.88 ft (8.193 m); minimum daily, 392 ft³/s (11.3 m³/s) Sept. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	458	500	467	581	5180	2540	583	521	493	482	440	414
2	518	498	469	546	2940	12100	571	513	480	484	475	392
3	462	480	516	571	2060	13800	642	523	495	486	471	433
4	444	489	536	1490	5760	15600	828	521	486	491	462	428
5	433	486	533	10800	19300	20800	583	521	491	489	462	430
6	442	482	478	32000	21200	21400	995	521	486	489	462	426
7	446	475	475	35200	21400	22300	636	581	484	491	462	433
8	444	482	440	42900	21700	18900	581	531	482	482	471	446
9	449	489	503	58400	22100	6960	620	523	480	486	478	449
10	444	498	523	59100	22300	5600	573	518	583	484	458	451
11	453	523	500	42300	19800	5150	558	516	566	526	426	464
12	451	551	482	21700	10800	4940	553	510	471	493	426	460
13	455	563	482	12800	9950	4910	563	516	482	495	433	446
14	460	462	480	17400	8750	4850	551	513	471	495	453	444
15	451	451	498	19100	8420	3500	541	508	462	498	442	449
16	453	449	561	7060	12400	1650	541	503	480	498	446	451
17	458	493	482	6560	18600	874	538	505	460	500	451	446
18	453	453	484	4480	9650	760	543	495	518	495	458	449
19	486	451	503	2890	9680	726	541	493	790	498	462	462
20	449	782	498	1380	19600	709	548	508	484	460	458	471
21	446	817	495	779	24100	677	543	566	475	484	462	462
22	442	469	486	3510	24300	658	551	541	480	484	437	460
23	444	460	478	17700	21400	647	558	513	473	498	442	458
24	460	471	482	22200	7590	620	551	513	475	503	449	484
25	482	460	510	13900	5220	610	556	513	475	493	460	428
26	475	460	510	4350	3080	715	605	513	475	493	397	478
27	489	451	503	3320	1820	618	583	510	478	500	430	455
28	473	451	500	5350	1240	613	551	508	478	489	444	430
29	475	453	521	16300	---	605	531	510	513	467	440	426
30	486	458	528	18400	---	591	596	513	489	467	444	426
31	493	---	558	14200	---	588	---	513	---	458	442	---
TOTAL	14274	15007	15521	497267	360340	175011	17714	16053	14955	15158	13943	13351
MEAN	460	500	501	16040	12870	5646	590	518	499	489	450	445
MAX	518	817	561	59100	24300	22300	995	581	790	526	478	484
MIN	433	449	467	546	1240	588	531	493	460	458	397	392

CAL YR 1981 TOTAL 185457 MEAN 508 MAX 1200 MIN 433
WTR YR 1982 TOTAL 1168594 MEAN 3202 MAX 54100 MIN 392

SANTEE RIVER BASIN

02171560 SANTEE RIVER NEAR RUSSELLVILLE, S.C.

LOCATION.--Lat 33°29'38," long 79°57'38," Berkeley County, Hydrologic Unit 03050112, on downstream side of U.S. Highway 52 main channel bridge, 5.2 mi (8.4 km) northeast of Russellville, and at mile 63.7 (102.5 km).

DRAINAGE AREA.--14,800 mi² (38,300 km²).

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

GAGE.--Water stage recorder. Datum of gage is 10.59 ft (3.228 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for period of no gage-height record Dec. 4 to Jan. 10, which are poor. Flow completely regulated by Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged in Cooper River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,400 ft³/s (1,990 m³/s) Apr. 1, 1980, gage height, 24.45 ft (7.452 m); minimum daily, 425 ft³/s (12.0 m³/s) Aug. 12, Sept. 2, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 68,000 ft³/s (1,948 m³/s) Jan. 11, gage height, 24.37 ft (7.428 m); minimum daily, 425 ft³/s (12.0 m³/s) Aug. 12, Sept. 2.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	449	485	476	787	14600	2340	664	930	580	525	508	460
2	456	485	502	787	10300	5370	644	791	566	495	466	425
3	518	479	485	1000	5230	9850	637	721	552	489	482	428
4	469	485	528	1370	4770	11500	772	682	576	508	479	442
5	456	492	548	1870	9570	13200	754	654	594	535	469	439
6	449	485	528	10000	13000	15100	685	630	576	528	463	442
7	456	476	489	14600	15300	16300	941	626	580	508	463	439
8	453	466	479	19200	16400	17100	682	640	573	498	466	449
9	453	473	476	31500	17100	17100	647	597	566	479	469	463
10	466	466	502	58400	17700	14500	661	580	531	485	482	466
11	473	466	521	66600	18000	11500	619	576	678	518	449	482
12	463	473	502	55200	17800	9300	594	566	615	521	425	515
13	460	515	489	33000	16600	7970	587	555	555	485	435	482
14	463	505	489	20700	15000	7210	587	555	559	528	476	469
15	460	473	502	18000	13600	6410	566	548	525	594	463	466
16	456	456	515	17200	12700	3410	555	555	521	608	449	469
17	453	463	511	14800	13400	1960	552	562	545	594	456	466
18	456	492	505	12000	14500	1380	555	597	580	587	473	466
19	479	460	562	7870	13800	1140	559	562	937	583	489	473
20	479	456	515	4010	13400	1040	601	555	895	559	479	518
21	460	854	515	2510	14700	968	623	583	692	525	476	505
22	453	671	505	1800	16400	903	661	619	626	521	466	485
23	453	502	498	7120	17900	843	675	587	608	521	456	473
24	456	482	528	11900	18200	810	664	576	576	626	456	469
25	495	479	548	14900	15800	776	640	583	555	597	463	492
26	511	469	542	14600	11300	754	861	580	538	559	456	562
27	545	466	535	10200	5570	810	1270	597	531	535	428	605
28	511	456	555	7090	3260	725	1360	630	535	518	463	573
29	485	449	555	10200	---	707	1180	601	528	498	466	502
30	485	456	590	12900	---	692	1000	587	583	505	460	473
31	485	---	732	14700	---	671	---	583	---	511	463	---
TOTAL	14606	14835	16227	496814	375900	182339	21796	19008	17876	16543	14394	14398
MEAN	471	495	523	16030	13430	5882	727	613	596	534	464	480
MAX	545	854	732	66600	18200	17100	1360	930	937	626	508	605
MIN	449	449	476	787	3260	671	552	548	521	479	425	425
CAL YR 1981 TOTAL	191766			MEAN 525	MAX 1010	MIN 441						
WTR YR 1982 TOTAL	1204736			MEAN 3301	MAX 66600	MIN 425						

Santee River Basin

02171620 CRAWL CREEK NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°26'18", long 79°59'47", Berkeley County, Hydrologic Unit 03050112, at bridge on State Highway 6, 1.0 mi (1.6 km) upstream from U.S. Highway 52, 2.5 mi (4.0 km) east of Pineville, and at mile 3.1 (5.0 km).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (FTU)	OXYGEN, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT									
21...	1100	145	7.0	13.5	90	140	9.5	111	--
NOV									
13...	1000	121	6.9	10.5	45	35	9.8	--	--
DEC									
02...	1100	120	6.6	15.5	440	370	8.1	1110	2.0
JAN									
20...	1200	119	6.8	12.0	90	23	--	--	4.0
FEB									
11...	1130	112	6.7	10.0	100	65	10.2	62	3.0
MAR									
12...	1200	90	6.8	18.0	120	36	8.4	32	1.0
APR									
22...	1100	120	6.8	18.0	90	35	8.0	18	1.0
MAY									
24...	1045	98	6.9	23.0	85	36	7.7	5	.5
JUN									
07...	1000	142	6.9	22.0	75	45	7.9	31	3.0
JUL									
15...	1100	64	6.0	24.0	85	36	7.1	34	5.5
AUG									
05...	1045	77	6.7	25.0	80	18	6.8	17	1.0
SEP									
10...	1145	88	7.0	21.5	45	20	5.8	16	1.0

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT									
21...	5700	5600	100	150	60	90	--	105	95
NOV									
13...	1100	650	450	60	0	60	--	14	98
DEC									
02...	59000	59000	240	310	170	140	--	901	96
JAN									
20...	970	770	200	70	0	80	12	17	84
FEB									
11...	2000	1500	520	90	10	80	12	25	98
MAR									
12...	1200	590	610	90	20	70	12	21	92
APR									
22...	1400	430	970	110	0	110	13	12	79
MAY									
24...	1400	1300	110	70	10	60	5.8	21	92
JUN									
07...	1300	820	480	100	10	90	6.5	14	98
JUL									
15...	1000	520	480	50	10	40	15	29	94
AUG									
05...	1600	950	650	60	30	30	12	15	81
SEP									
10...	960	630	330	40	0	50	4.3	--	--

SANTEE RIVER BASIN

02171650 SANTEE RIVER BELOW ST. STEPHENS, S.C.

WATER-QUALITY RECORDS

LOCATION.--Lat 33°24'05", long 79°51'20", Berkeley County, Hydrologic Unit 03050112, on right bank, on Tract 13P of Francis Marion National Forest, 3.9 mi (6.3 km) east of St. Stephens, 600 ft (180 m) downstream from Mattassee Lake, and at mile 52.0 (83.7 km).

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (FTU)	OXYGEN, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT 21...	0945	--	124	6.9	17.0	15	20	8.8	10	--
NOV 13...	1215	523	235	6.9	13.0	5	14	9.7	--	--
DEC 02...	1230	562	115	7.3	16.5	17	34	9.4	35	5.0
JAN 20...	1100	--	99	6.1	8.0	75	17	--	8	1.0
FEB 11...	1300	--	103	6.4	11.0	85	22	7.8	8	1.0
MAR 12...	1330	--	94	6.6	18.0	80	18	7.0	7	.5
APR 22...	1315	--	110	6.8	17.5	50	32	7.7	39	2.0
MAY 24...	1230	--	120	6.8	26.0	20	50	6.6	70	1.0
JUN 07...	1130	--	102	7.1	27.0	8	14	6.9	10	2.0
JUL 15...	1230	--	95	6.8	27.0	30	32	6.5	35	3.0
AUG 05...	1200	--	98	6.9	29.5	30	15	6.4	8	3.0
SEP 10...	1100	--	125	7.0	25.0	17	7.4	7.1	8	1.0

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 21...	780	610	170	100	40	60	--	11	--	94
NOV 13...	510	490	20	60	10	50	--	8	11	92
DEC 02...	140	70	70	270	10	260	--	4	6.1	30
JAN 20...	580	430	150	40	0	40	14	10	--	100
FEB 11...	600	260	340	30	10	20	8.3	12	--	94
MAR 12...	620	140	480	30	10	20	7.0	9	--	97
APR 22...	2700	2300	380	220	30	190	5.8	30	--	85
MAY 24...	2200	2000	250	240	70	170	3.1	48	--	94
JUN 07...	1300	750	550	160	20	140	3.9	5	--	98
JUL 15...	1700	1400	300	160	50	110	13	32	--	92
AUG 05...	1900	1200	730	200	30	170	4.7	11	--	94
SEP 10...	890	660	230	130	20	110	3.7	--	--	--

SANTÉE RIVER BASIN

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02171680 WEDBOO CREEK NEAR JAMESTOWN, S.C.

LOCATION.--Lat 33°19'50", long 79°48'10", Berkeley County, Hydrologic Unit 03050112, on right downstream wingwall of culvert on S.C. Highway 45, 1.4 mi (2.3 km) southeast of Alvin, 3.3 mi (5.3 km) upstream from mouth, and 7.5 mi (12.1 km) northwest of Jamestown.

DRAINAGE AREA.--17.4 mi² (45.1 km²).

PERIOD OF RECORD.--September 1966 to Feb. 1972, Feb. 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (6.1 m) (from topographic map).

REMARKS.--Records fair, except those for period of no gage-height record Dec. 6 to Jan. 20, which are poor.

AVERAGE DISCHARGE.--14 years, 11.5 ft³/s (0.326 m³/s), 8.99 in/yr (228 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 928 ft³/s (26.3 m³/s) Aug. 26, 1971, gage height, 5.96 ft (1.817 m); maximum gage-height, 8.82 ft (2.688 m) (caused by backwater). No flow for many days during water years 1966-69, Aug. 14, 1973, Oct. 27 to Nov. 7, 1974, Sept. 4, 10, 11, 16-25, 27, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft³/s (2.83 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Apr. 27	1200	388 11.0	4.94 1.506	June 19	0630	*473 13.4	*5.15 1.570
June 5	0430	125 3.54	3.96 1.207				

Minimum daily, 0.01 ft³/s (0.003 m³/s), Oct. 1-3, 8, 9.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.11	.34	22	4.0	12	1.5	54	.81	21	3.8	1.3
2	.01	.12	2.2	34	8.0	11	1.3	37	.68	13	3.4	1.1
3	.01	.14	1.4	39	12	10	1.2	24	.95	8.5	2.6	1.1
4	.02	.15	.88	54	14	9.3	1.1	20	26	5.8	2.0	1.6
5	.03	.18	.55	33	13	8.6	1.1	17	106	5.2	2.1	1.6
6	.03	.31	.90	26	12	9.1	2.0	13	74	4.4	4.0	1.3
7	.03	.31	1.1	19	10	13	1.4	9.9	61	4.5	2.9	1.1
8	.01	.20	1.0	15	9.0	17	1.4	8.1	36	3.9	3.0	1.0
9	.01	.18	.80	12	10	15	3.9	6.6	19	3.2	2.7	1.0
10	.02	.19	.70	10	18	12	2.8	5.1	11	2.7	3.2	1.1
11	.04	.20	.60	8.0	17	10	2.1	4.3	8.7	2.8	2.2	1.4
12	.05	.19	.50	7.5	16	9.4	1.8	3.5	6.3	2.2	1.7	1.9
13	.05	.19	.50	9.5	62	8.5	1.4	2.9	5.1	1.7	4.9	1.4
14	.05	.19	.70	16	75	7.5	1.3	2.5	5.1	8.2	31	1.2
15	.05	.16	1.2	33	53	6.6	1.4	2.2	4.5	62	24	1.2
16	.04	.16	2.3	32	39	5.8	1.3	2.1	4.7	80	16	1.1
17	.04	.16	2.7	26	47	5.2	1.1	2.8	4.4	63	9.6	1.0
18	.03	.16	2.8	20	63	4.8	1.9	4.7	46	41	8.8	1.0
19	.04	.15	2.3	15	52	4.5	1.4	3.7	419	33	20	1.0
20	.04	.15	1.9	13	39	4.0	4.4	2.8	232	31	20	1.2
21	.03	.16	1.7	11	29	3.7	2.2	2.2	117	23	15	1.6
22	.03	.17	1.5	10	22	3.3	1.5	1.8	65	16	10	1.8
23	.03	.16	1.6	11	17	2.9	1.1	1.5	53	12	7.0	1.4
24	.05	.20	2.1	17	14	2.8	4.2	1.5	42	24	4.8	1.2
25	.07	.19	3.5	18	12	2.8	6.7	1.7	29	32	3.3	1.1
26	.07	.17	4.8	15	10	2.5	87	1.9	20	22	2.4	26
27	.12	.17	5.0	12	11	2.1	312	2.1	15	18	1.9	15
28	.09	.17	4.8	10	12	1.8	251	2.1	32	12	1.6	7.2
29	.08	.18	5.5	9.0	---	1.7	142	1.4	43	8.4	1.4	4.4
30	.09	.18	7.5	8.2	---	1.6	83	1.0	32	5.8	1.5	2.8
31	.10	---	12	7.7	---	1.5	---	.88	---	4.1	1.4	---
TOTAL	1.37	5.35	75.41	572.9	704.0	210.0	977.7	244.28	1519.24	574.4	218.2	87.1
MEAN	.044	.18	2.43	18.5	25.1	6.77	32.6	7.88	50.6	18.5	7.04	2.90
MAX	.12	.31	12	54	75	17	312	54	419	80	31	26
MIN	.01	.11	.35	7.5	8.0	1.5	1.1	.88	.68	1.7	1.4	1.0
CFSM	.003	.01	.14	1.06	1.44	.39	1.87	.45	2.91	1.06	.41	.17
IN.	.00	.01	.15	1.22	1.51	.45	2.09	.52	3.25	1.23	.47	.19
CAL YR 1981 TOTAL	421.45			MEAN 1.15	MAX 12	MIN .01	CFSM .07	IN .90				
WTR YR 1982 TOTAL	5189.45			MEAN 14.2	MAX 419	MIN .01	CFSM .82	IN 11.10				

SANTÉE RIVER BASIN

02171700 SANTÉE RIVER NEAR JAMESTOWN, S.C.

LOCATION.--Lat 33°18'17", long 79°40'42", Berkeley County, Hydrologic Unit 03050112, at downstream side of bridge on U.S. Highway 17A, 0.7 mi (1.1 km) below Wittee Branch, 0.10 mi (0.16 km) upstream from Seaboard Coastline Railroad, 1.5 mi (2.4 km) northeast of Jamestown, and at mile 36.4 (58.6 km).

DRAINAGE AREA.--15,044 mi² (38,964 km²).

PERIOD OF RECORD.--January 1974 to July 1976, September 1977 to current year. Gage height records July 1976 to September 1977 are in reports of the National Ocean Survey. April 1929 to current year (gage heights only) are in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by South Carolina Public Service Authority). Prior to Jan. 4, 1974, nonrecording gage at same site and datum. Prior to Nov. 19, 1963, nonrecording gage at Seaboard Railroad trestle, 400 ft (122 m) downstream and at same datum.

REMARKS.--Tidal gage height affected at medium and higher stages by regulation from Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 32.0 ft (9.754 m) Apr. 15, 1936; minimum, 0.61 ft (0.186 m) Nov. 21, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.13 ft (5.221 m) Jan. 14; minimum, 0.80 ft (0.244 m) Dec. 24.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	3.05	1.46	2.84	1.44	---	---	8.38	---	7.92	---
2	---	---	2.88	1.38	2.15	---	---	---	8.48	---	6.24	---
3	---	---	2.54	1.23	1.60	.87	---	---	7.72	---	6.98	---
4	---	---	2.41	1.13	1.64	.94	---	---	6.23	---	7.85	---
5	---	---	2.51	1.24	1.75	.81	---	---	7.33	---	8.02	---
6	---	---	2.60	1.25	2.21	1.07	---	---	7.78	---	8.22	---
7	---	---	2.41	1.30	2.34	1.20	---	---	8.16	---	8.56	---
8	---	---	2.79	1.45	1.79	1.01	---	---	8.42	---	8.88	---
9	---	---	2.88	1.44	2.07	.99	---	---	8.51	---	8.96	---
10	---	---	3.07	1.45	2.44	1.00	---	---	8.82	---	9.37	---
11	---	---	3.51	1.62	2.76	1.19	12.14	---	9.18	---	9.94	---
12	---	---	3.86	1.83	2.87	1.28	14.79	---	9.74	---	10.01	---
13	---	1.89	4.05	2.06	2.97	1.30	17.12	---	10.49	---	9.87	---
14	3.64	1.89	4.02	2.11	3.31	1.45	17.13	---	11.14	---	9.41	---
15	3.57	1.81	3.70	1.91	2.85	1.43	16.36	---	11.27	---	8.77	---
16	3.35	1.62	3.61	1.80	1.83	.93	15.36	---	11.07	---	7.82	---
17	3.19	1.46	3.01	1.51	2.18	1.08	14.18	---	10.84	---	5.04	---
18	2.92	1.35	2.88	1.39	1.86	1.11	13.27	---	10.49	---	3.19	---
19	2.08	.97	2.76	1.39	1.77	1.02	12.44	---	10.15	---	3.08	2.65
20	2.40	1.06	2.41	1.22	1.64	.92	11.41	---	10.00	---	2.78	2.16
21	2.30	1.09	1.85	.92	1.62	.89	9.09	---	9.77	---	3.22	2.06
22	1.94	1.04	2.60	1.35	1.62	.91	6.05	---	9.71	---	2.97	1.89
23	2.12	1.06	2.56	1.37	1.61	.85	6.38	---	9.73	---	3.63	1.94
24	2.24	1.13	2.55	1.27	1.48	.80	6.84	---	9.76	---	3.74	2.28
25	3.17	1.56	2.37	1.04	2.19	.90	7.83	---	9.99	---	3.70	2.24
26	3.11	1.64	2.72	1.26	2.87	1.28	8.25	---	10.41	---	3.72	1.88
27	2.94	1.52	2.58	1.32	2.75	1.39	8.35	---	10.60	---	3.22	1.90
28	2.52	1.26	1.93	1.00	---	---	7.88	---	10.05	---	3.21	1.82
29	2.79	1.27	2.45	1.01	---	---	7.69	---	---	---	3.23	1.83
30	3.09	1.43	2.45	1.10	---	---	7.87	---	---	---	3.15	1.82
31	3.08	1.55	---	---	---	---	8.31	---	---	---	2.68	1.55
MEAN			2.83	1.39					9.44		6.04	

NOTE.--Daily maximum gage height only Jan. 11 to Mar. 18.

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GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

[illegible]

SANTÉE RIVER BASIN

02171730 SANTÉE RIVER NEAR HONEY HILL, S.C.

LOCATION.--Lat 33°14'43", long 79°31'20", Berkeley County, Hydrologic Unit 03050112, near right bank 1.7 mi (2.7 km) downstream from Echaw Creek, 4.9 mi (7.9 km) northeast of Honey Hill, and at mile 25.0 (40.2 km).

PERIOD OF RECORD.--November 1973 to July 1976, August 1977 to current year. Gage height records July 1976 to August 1977 are in reports of the National Ocean Survey.

GAGE.--Water-stage recorder. Datum of gage is 13.23 ft (4.033 m) below National Geodetic Vertical Datum of 1929 (National Ocean Survey benchmark).

REMARKS.--Tidal gage height affected at medium and higher stages by regulation from Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 26.61 ft (8.111 m) Mar. 24, 1975; minimum, 11.77 ft (3.587 m) Jan. 25, 1979 and Mar. 17, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.26 ft (7.090 m) Jan. 14; minimum, 12.28 ft (3.743 m) Dec. 24.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	15.69	13.14	16.36	13.76	16.17	13.71	15.86	13.38			---	---
2	15.23	12.67	16.20	13.60	15.34	12.94	16.04	13.43			---	---
3	15.71	12.90	15.87	13.37	14.93	12.52	16.34	13.91			---	---
4	15.59	13.09	15.78	13.24	14.96	12.54	16.52	14.34			---	---
5	15.33	12.89	15.84	13.39	15.19	12.51	15.67	13.36			---	---
6	15.12	12.61	15.99	13.43	15.61	12.89	17.02	14.05			---	---
7	15.14	12.47	16.08	13.52	15.79	13.08	17.62	16.09			---	---
8	15.85	13.02	16.24	13.61	15.47	12.80	18.06	16.66			---	---
9	15.87	13.10	16.20	13.52	15.69	12.67	18.51	17.23			---	---
10	16.17	13.27	16.49	13.52	16.13	12.67	18.51	17.46			19.07	18.53
11	16.42	13.58	16.85	13.79	16.34	12.98	---	18.15			19.13	18.65
12	16.62	13.79	17.15	14.14	16.41	13.09	21.56	---			19.23	18.84
13	16.77	14.09	17.27	14.44	16.48	13.19	22.64	---			19.08	18.60
14	16.90	14.19	17.25	14.49	16.75	13.50	23.26	---			18.90	18.12
15	16.88	14.07	17.08	14.21	16.41	13.30	23.25	---			18.53	17.63
16	16.69	13.75	16.88	14.10	15.33	12.51	23.01	---			18.11	17.22
17	16.55	13.49	16.34	13.82	15.56	12.95	22.48	---			15.67	15.33
18	16.36	13.42	16.21	13.60	15.25	12.84	---	---			15.64	14.16
19	15.52	12.70	16.05	13.58	15.09	12.85	---	---			15.90	13.82
20	15.84	12.97	15.75	13.40	14.98	12.58	---	---			15.67	13.45
21	15.71	13.01	15.40	12.62	14.99	12.48	21.85	---			16.25	13.66
22	15.52	12.93	15.84	13.10	14.94	12.57	20.00	---			16.02	13.41
23	15.72	13.01	15.89	13.30	14.96	12.42	18.99	---			16.70	13.69
24	16.22	13.10	15.99	13.19	14.89	12.28	19.24	---			16.82	14.36
25	16.48	13.91	15.82	12.90	15.69	12.56	19.93	---			16.80	14.30
26	16.39	13.78	16.14	13.29	16.30	13.38	19.98	---			16.47	13.75
27	16.31	13.58	15.98	13.35	16.16	13.34	20.34	---			16.41	13.72
28	15.88	13.16	15.50	12.86	16.06	13.19	---	---			16.57	13.66
29	16.16	13.32	15.94	13.02	16.09	13.43	---	---			16.35	13.68
30	16.41	13.67	15.93	13.11	16.33	13.39	---	---			15.90	13.23
31	16.36	13.87	---	---	16.83	13.94	---	---			15.39	12.72
MEAN	16.05	13.31	16.21	13.51	15.71	12.94						

NOTE.--Daily maximum gage height only Jan. 11-27.

02171730 SANTEE RIVER NEAR HONEY HILL, S.C.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

[illegible]

SANTEE RIVER BASIN

02171800 NORTH SANTEE RIVER NEAR NORTH SANTEE, S.C.

LOCATION.--Lat 33°12'27", long 79°23'05", Georgetown County, Hydrologic Unit 03050112, near left bank at Hopsewee Plantation, 0.10 mile (0.16 km) upstream from U.S. Highway 17, 1.3 miles (2.1 km) southwest of North Santee, and at mile 13.0 (20.9 km).

PERIOD OF RECORD.--September 1973 to July 1975, February 1977 to current year. Gage height records July 1975 to February 1977 are in reports of the National Ocean Survey.

GAGE.--Water-stage recorder. Datum of gage is 3.47 ft (1.06 m) above National Geodetic Vertical Datum of 1929 (National Ocean Survey benchmark).

REMARKS.--Tidal gage height affected at medium and higher stages by regulation from Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 9.93 ft (3.03 m) Mar. 25, 1975; minimum, 0.03 ft (0.01 m) Jan. 25, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.86 ft (2.396 m) Jan. 14; minimum, 1.02 ft (0.311 m) Apr. 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.89	2.11	6.63	3.00	6.38	2.73	5.79	2.00	5.77	2.45	6.95	3.16
2	5.34	1.72	6.42	2.83	5.42	2.04	6.12	2.18	6.34	2.93	6.72	2.60
3	6.07	2.41	6.11	2.59	5.21	1.53	6.43	2.43	6.70	2.38	6.39	2.69
4	5.84	2.33	6.06	2.56	5.21	1.57	6.52	1.30	6.38	2.46	6.80	3.28
5	5.53	2.23	6.07	2.64	5.60	1.73	5.38	1.50	6.71	2.03	6.97	3.39
6	5.38	1.90	6.31	2.57	5.99	1.96	6.44	2.37	6.83	2.43	6.82	2.85
7	5.45	1.80	6.37	2.76	6.15	2.06	6.73	2.16	6.97	2.43	7.39	3.10
8	6.11	2.48	6.53	2.52	5.87	1.54	6.98	1.99	7.05	2.79	6.78	2.62
9	6.22	2.28	6.57	2.31	6.26	1.31	7.37	2.67	7.04	2.78	6.92	3.12
10	7.07	2.29	6.88	2.24	6.67	1.24	6.69	2.28	6.63	2.73	6.77	3.17
11	---	---	7.23	2.63	6.80	1.57	6.70	2.58	6.85	3.22	6.72	3.27
12	---	---	7.54	2.96	6.83	1.62	7.07	3.05	6.68	3.36	---	3.46
13	7.07	3.07	7.64	3.34	6.96	1.84	7.27	4.50	6.63	3.49	6.32	3.35
14	7.21	3.00	7.57	3.35	7.16	2.27	7.86	6.06	5.94	3.67	5.82	3.16
15	7.20	2.85	7.44	3.04	6.74	1.75	7.41	6.69	5.91	3.69	6.32	3.29
16	7.06	2.45	7.17	2.98	5.81	1.31	7.41	6.52	5.69	3.65	6.30	3.08
17	6.90	2.22	6.63	2.69	5.97	1.85	7.05	6.16	6.04	3.78	5.85	2.21
18	6.70	2.24	6.53	2.62	5.60	1.76	7.05	5.50	6.13	3.98	5.38	2.74
19	5.97	1.57	6.32	2.54	5.39	1.60	6.67	5.30	6.46	3.76	5.72	2.32
20	6.22	2.06	6.03	2.53	5.29	1.44	6.19	4.54	6.43	3.51	5.61	2.34
21	6.03	2.00	5.73	1.39	5.42	1.88	6.41	3.86	6.66	3.61	6.34	2.68
22	5.86	1.96	6.15	2.06	5.29	1.56	6.48	3.21	6.94	3.34	6.12	2.15
23	6.08	1.99	6.27	2.15	5.29	1.33	6.56	2.66	7.00	3.51	6.85	2.43
24	6.61	2.03	6.42	2.02	5.28	1.12	5.69	2.03	6.71	3.36	7.03	3.09
25	6.74	2.98	6.30	1.83	6.18	1.64	6.38	2.20	7.14	3.13	7.03	2.98
26	6.66	2.60	6.55	2.30	6.59	2.57	6.00	2.45	7.36	4.32	6.72	2.28
27	6.65	2.42	6.32	2.15	6.49	2.27	6.72	2.79	7.07	4.11	6.69	2.32
28	6.26	2.03	5.89	1.89	6.43	2.17	6.49	2.72	6.50	3.47	6.93	2.29
29	6.52	2.30	6.31	2.26	6.37	2.37	6.11	2.34	---	---	6.39	2.28
30	6.71	2.91	6.28	2.33	6.61	2.43	6.19	2.70	---	---	6.64	1.88
31	6.60	3.07	---	---	7.06	3.03	6.15	2.84	---	---	6.16	1.51
MEAN			6.54	2.50	6.07	1.84	6.59	3.28	6.59	3.23		2.74

SANTEE RIVER BASIN

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02171800 NORTH SANTEE RIVER NEAR NORTH SANTEE, S.C.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	5.71	1.57	6.81	2.46	6.42	2.30	6.43	2.04	6.07	1.56	6.36	2.06
2	5.80	1.83	6.22	2.13	6.46	2.11	6.53	2.49	6.68	2.27	6.25	1.83
3	6.07	2.01	6.11	2.01	6.70	2.28	6.00	1.95	6.72	2.46	6.13	1.67
4	5.02	1.06	6.38	2.23	6.68	2.45	6.24	1.53	6.73	2.60	6.57	1.79
5	6.35	1.23	6.63	2.21	6.70	2.31	6.84	2.41	6.48	2.33	6.78	2.58
6	6.13	1.04	6.38	1.99	6.77	2.55	6.61	2.65	6.37	2.12	6.55	2.53
7	6.12	1.02	5.91	1.59	6.75	2.65	6.20	2.10	6.31	2.06	6.53	2.33
8	6.95	1.67	6.26	1.72	6.69	2.52	5.92	1.84	5.93	2.14	6.58	2.53
9	5.96	1.55	6.61	1.94	6.79	2.87	5.72	1.74	6.23	1.91	6.64	2.72
10	6.22	1.58	6.43	2.39	6.24	3.18	5.27	1.77	5.74	1.68	6.69	2.63
11	6.05	1.90	6.23	2.24	6.55	2.77	5.80	1.87	5.96	1.70	6.73	2.45
12	5.49	1.59	5.38	2.13	7.02	3.27	5.61	1.76	6.11	1.76	6.66	2.20
13	4.54	1.70	5.79	1.88	6.74	2.94	5.77	1.87	6.78	2.29	6.67	2.16
14	5.44	1.73	5.47	1.84	6.30	2.56	6.04	2.06	7.00	2.43	6.73	1.91
15	5.67	2.44	5.46	2.10	6.57	2.90	6.23	2.00	7.04	2.46	6.83	2.00
16	5.83	2.14	6.07	2.40	6.37	2.31	6.70	2.09	6.92	2.07	6.82	2.13
17	5.40	2.14	5.69	2.07	6.36	2.08	6.94	2.27	6.91	1.84	6.84	2.33
18	5.58	1.79	5.56	1.83	7.79	2.14	6.85	1.89	6.93	1.90	6.71	2.33
19	6.06	2.48	5.93	1.68	6.95	1.82	6.84	1.70	6.78	2.01	6.56	2.24
20	6.12	2.10	6.33	1.63	7.13	1.89	6.76	1.60	6.29	1.52	6.55	2.15
21	6.08	1.78	6.62	1.62	7.04	2.01	7.07	1.94	6.06	1.45	6.53	2.17
22	6.63	1.68	6.71	1.43	6.98	2.07	6.93	2.22	6.49	1.73	6.31	2.29
23	6.83	2.14	6.87	1.62	7.12	2.13	6.34	1.91	6.45	2.15	6.47	2.62
24	6.72	1.77	6.84	1.64	6.58	2.63	6.28	1.80	5.70	1.74	6.43	2.88
25	7.11	1.98	6.95	1.86	7.24	2.62	6.56	2.28	5.14	1.60	6.36	2.85
26	6.86	1.96	6.13	2.03	6.79	2.39	6.45	2.49	6.10	1.97	6.23	2.98
27	6.07	2.03	6.86	2.17	6.38	2.17	6.21	2.36	6.04	2.45	6.10	2.60
28	6.68	2.17	6.67	2.09	5.89	1.86	6.03	2.20	5.69	1.97	6.38	2.54
29	6.98	3.13	6.41	2.05	5.80	1.85	5.81	1.76	6.56	2.75	6.54	2.62
30	7.10	3.14	6.23	2.16	6.04	1.72	5.81	1.83	6.37	2.54	6.69	2.58
31	---	---	6.32	2.28	---	---	5.56	1.51	6.19	2.22	---	---
MEAN	6.12	1.88	6.27	1.98	6.66	2.38	6.27	2.00	6.35	2.05	6.54	2.36

SANTEE RIVER BASIN

02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH SANTEE, S.C.

LOCATION.--Lat 33°11'40", long 79°16'24", Georgetown County, Hydrologic Unit 03050112, near left bank at AIC Waterway in Annandale Plantation, 6.5 miles (10.5 km) southeast of North Santee.

PERIOD OF RECORD.--November 1973 to May 1975, October 1975 to current year. Gage height records May 1975 to October 1975 are in reports of the National Ocean Survey.

GAGE.--Water-stage recorder. Datum of gage is 18.08 ft (5.51 m) above National Geodetic Vertical Datum of 1929 (National Ocean Survey benchmark).

REMARKS.--Tidal gage height affected at times by regulation from Lake Marion (see sta 02171000).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 22.97 ft (7.001 m) June 18, 1982; minimum, 14.23 ft (4.337 m) Jan. 9, 1978 (revised).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.97 ft (7.001 m) June 18; minimum, 15.86 ft (4.834 m) Apr. 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	20.80	17.00	---	---	21.22	17.82	20.60	16.75	20.30	16.23	21.09	17.14
2	20.22	16.62	---	---	20.28	16.91	20.88	16.98	20.74	16.74	21.33	16.86
3	20.96	17.33	---	---	20.09	16.35	21.19	17.18	21.18	16.28	20.96	16.75
4	20.65	17.24	---	---	20.12	16.43	21.33	16.00	20.88	16.11	21.42	17.33
5	20.34	17.15	---	---	20.50	16.66	20.11	16.19	21.37	16.85	21.54	16.72
6	20.24	16.86	21.09	17.35	20.83	16.81	21.21	16.86	21.41	16.29	21.42	17.18
7	20.36	16.68	21.18	17.24	21.08	16.40	21.28	16.39	21.54	16.08	22.13	16.92
8	21.03	17.56	21.35	17.55	20.77	16.39	21.59	15.97	21.61	16.44	21.28	16.22
9	21.08	17.14	21.48	17.09	21.26	16.10	22.00	16.61	21.57	16.37	21.42	16.71
10	21.44	17.12	21.87	16.99	21.71	16.02	21.23	16.07	21.05	16.18	21.25	16.67
11	21.74	17.31	22.34	17.32	21.96	16.32	21.20	16.27	21.37	16.82	21.21	16.72
12	21.98	17.44	22.75	17.62	21.99	16.37	21.54	16.28	21.17	16.96	21.22	16.88
13	22.11	17.67	22.92	17.91	22.06	16.60	21.85	17.16	20.45	16.76	20.77	16.91
14	---	---	22.86	17.93	22.27	17.02	21.74	17.17	20.16	16.97	20.81	16.73
15	---	---	22.65	17.72	21.81	16.39	20.27	16.96	20.28	16.84	20.75	17.18
16	---	---	22.20	17.70	20.77	16.14	20.32	17.00	20.05	16.96	20.19	17.30
17	---	---	21.65	17.42	20.81	16.61	20.02	16.89	20.45	17.13	20.48	16.76
18	---	---	21.40	17.45	20.44	16.57	20.47	16.83	20.58	17.24	20.07	17.37
19	---	---	21.11	17.36	20.21	16.45	20.36	16.57	20.97	16.98	20.52	17.08
20	---	---	20.89	16.21	20.19	16.77	20.17	16.83	20.91	17.39	20.52	17.09
21	---	---	20.58	16.89	19.62	16.44	20.83	16.96	21.21	17.17	21.21	17.34
22	---	---	21.02	17.29	20.21	16.45	21.05	16.67	21.44	16.85	20.97	16.84
23	---	---	21.05	16.97	20.17	16.14	21.21	16.91	21.61	17.07	21.87	17.09
24	---	---	21.30	16.91	20.17	15.97	20.23	15.98	21.23	16.81	22.01	17.56
25	---	---	21.30	16.64	21.09	16.44	20.89	16.11	21.71	16.54	22.05	17.49
26	---	---	21.48	17.17	21.45	17.41	20.45	16.32	22.01	17.65	21.74	16.85
27	---	---	21.16	17.00	21.39	17.12	21.24	16.67	21.69	17.32	21.61	16.86
28	---	---	20.78	16.74	21.34	16.99	20.96	16.54	21.50	16.97	21.84	16.85
29	---	---	21.16	17.13	21.25	17.15	20.54	16.25	---	---	21.47	16.85
30	---	---	21.13	17.19	21.45	17.26	20.71	16.61	---	---	20.52	16.52
31	---	---	---	---	21.94	17.78	20.60	16.71	---	---	21.00	16.23
MEAN					20.98	16.65	20.91	16.60	21.09	16.79	21.18	16.94

Santee River Basin

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02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH SANTEE, S.C.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	20.59	16.28	21.77	17.24	21.28	17.16	21.36	16.86	---	---	21.21	16.89
2	20.70	16.53	21.09	16.83	21.35	16.95	20.66	17.35	---	---	21.09	16.67
3	20.88	15.99	21.06	16.80	21.60	17.12	---	---	---	---	20.96	16.51
4	19.99	15.93	21.32	17.00	21.61	17.23	---	---	---	---	21.45	16.63
5	21.31	16.08	21.65	16.99	21.66	17.18	---	---	---	---	21.69	17.45
6	21.04	15.94	21.39	16.77	21.72	17.45	---	---	---	---	21.34	17.31
7	21.11	15.86	20.91	16.47	21.69	17.45	---	---	---	---	21.36	17.14
8	21.97	16.49	21.20	16.57	21.63	17.43	---	---	---	---	21.40	17.29
9	20.93	16.36	21.56	16.77	21.77	17.74	---	---	---	---	21.45	17.50
10	21.18	16.41	21.33	17.23	21.50	17.97	---	---	---	---	21.51	17.43
11	20.96	16.77	21.12	17.05	20.92	17.61	---	---	---	---	21.51	17.15
12	20.42	16.48	20.69	17.04	21.99	18.13	---	---	---	---	21.46	16.99
13	19.46	16.59	19.46	16.83	21.63	17.82	---	---	---	---	21.52	16.95
14	20.31	16.62	20.37	16.76	21.13	17.39	---	---	---	---	21.68	16.71
15	20.49	17.34	20.39	17.01	21.41	17.77	---	---	---	---	21.83	16.80
16	20.66	17.09	20.93	17.33	21.26	17.23	---	---	---	---	21.78	16.88
17	20.24	17.05	20.52	16.97	21.25	16.84	---	---	---	---	21.86	17.13
18	20.42	16.69	20.43	16.69	22.97	16.83	---	---	---	---	21.56	16.95
19	20.89	17.22	20.82	16.51	21.91	16.46	---	---	---	---	21.38	17.01
20	21.03	17.03	21.23	16.41	22.13	16.42	---	---	---	---	21.41	16.97
21	20.98	16.62	21.57	16.42	22.07	16.62	---	---	---	---	21.36	16.98
22	21.62	16.51	21.76	16.19	21.90	16.55	---	---	---	---	21.12	17.14
23	21.93	16.89	21.96	16.37	22.14	16.74	---	---	---	16.99	21.27	17.46
24	21.77	16.48	21.92	16.41	22.27	17.22	---	---	20.44	16.52	21.18	17.75
25	22.15	16.70	21.98	16.64	21.27	17.25	---	---	20.44	16.37	21.11	17.71
26	21.83	16.66	20.92	16.84	21.74	17.01	---	---	20.90	16.79	20.98	17.74
27	21.58	16.65	21.93	16.99	21.28	16.93	---	---	20.79	17.28	20.83	17.46
28	20.65	16.74	21.61	16.96	20.78	16.64	---	---	20.52	16.77	21.14	17.34
29	21.86	17.72	21.27	16.89	20.80	16.72	---	---	21.38	17.51	21.34	17.45
30	22.02	17.90	21.11	17.03	20.97	16.58	---	---	21.16	17.37	21.54	17.36
31	---	---	21.15	17.12	---	---	---	---	20.99	16.96	---	---
MEAN	21.03	16.65	21.17	16.81	21.59	17.15					21.38	17.16

SANTEE RIVER BASIN

02171820 MINIM CREEK AT AIC WATERWAY NEAR NORTH SANTEE, S.C.--Continued

WATER QUALITY RECORDS

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

INSTRUMENTATION.--USGS mini-monitor since January 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 99,500 micromhos July 14, 1980.

MINIMUM: Less than 100 micromhos several days Mar. 1979, Apr. 1980, Jan., Feb., Mar., Apr. 1981, Jan., Feb., 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 52,800 micromhos Nov. 14.

MINIMUM: Less than 100 micromhos several days Jan., Feb.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	29800	25000	27500	45900	37400	41700	42500	35100	40160	31500	18100	24400
2	26900	21500	24400	44800	33000	39600	38900	31000	35100	29400	17100	21600
3	25600	22500	24000	44400	34400	39800	35300	28900	32300	31200	18900	23600
4	24800	21800	23900	39700	33000	37500	35800	30500	32300	27700	12100	19900
5	24200	21500	23000	41100	27700	37100	36600	30600	32200	14600	6300	11600
6	23900	20500	22500	36200	33300	34500	40100	31800	34300	22300	5600	12000
7	29200	23100	25800	---	---	---	41300	32700	36200	13000	800	7080
8	30000	25400	27100	---	---	---	39000	31600	35400	13700	900	4820
9	31500	26000	27900	---	---	---	47000	30000	37000	33300	700	6590
10	31900	26800	29100	---	---	---	50400	32600	40400	4900	1300	3110
11	30100	26100	27700	---	---	---	51100	35900	42600	3700	200	2280
12	30900	27000	29300	50300	41800	46500	51500	37100	44000	3000	100	1430
13	30700	28700	29800	52600	42100	47300	51600	40200	45200	4000	100	1230
14	29800	28100	28800	52800	42800	47600	50100	38800	44500	2300	100	818
15	31300	27100	28800	52100	43100	47400	49000	36900	41200	1700	[100	---
16	32400	29700	31300	50600	42900	46800	42200	33400	38100	1000	[100	---
17	34100	29400	31100	48400	41100	45200	43300	34200	38200	1800	100	591
18	34100	30200	32400	46600	40700	43800	41000	33300	37500	900	[100	---
19	32700	29800	31500	44800	39300	42100	38800	29500	34900	900	100	443
20	32800	25800	29600	43000	35400	40000	38200	29300	33000	1100	100	444
21	33600	30200	32300	40800	32000	37200	37600	28700	32300	1100	100	470
22	34200	31000	32400	42900	34700	38300	36200	28500	31400	12100	400	2660
23	33600	31300	32400	43400	36000	39200	35300	25400	30200	9200	900	4040
24	37700	31000	34700	44000	35200	38400	35000	24800	30100	5400	1000	2470
25	38800	33300	35500	41600	30500	37600	44800	28200	34000	3400	500	1920
26	37800	31800	34300	46000	35700	39600	46800	29900	36500	6200	1000	2660
27	33900	27800	32600	44400	35900	39000	42400	31300	36100	10000	800	3510
28	35700	28000	33100	41300	31500	37300	40200	31100	35200	4900	400	2610
29	37200	25700	33500	44000	34600	38500	38100	28700	32800	5900	600	1830
30	39400	32300	35500	44100	35800	39100	38900	24300	31200	7200	500	1790
31	46700	29400	39500	---	---	---	44800	24900	31100	2400	200	1450

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1900	300	1060	5300	1200	2680	24600	17000	20090	23500	9200	15720
2	13200	800	3040	7900	1700	3320	27400	17800	21250	16600	6600	11550
3	4900	400	2650	5800	1500	2760	32000	17700	23100	14800	6800	10390
4	3700	500	1630	13400	2100	3360	24500	16000	20220	19800	10800	14070
5	9500	1200	3750	6500	800	3833	40200	18800	25200	26500	12700	17450
6	6200	400	3100	5000	1500	2887	35900	21200	27670	22700	13500	17170
7	12600	800	3240	19900	400	3529	37800	21300	26380	18600	12300	15290
8	7400	300	2510	3800	700	2045	44400	23900	31080	24200	12000	15660
9	3900	200	1540	2800	300	1779	36800	26500	31140	32100	13600	18960
10	2300	300	1.150	1700	300	1066	36300	25600	29870	28400	16200	20960
11	2700	200	1400	1400	200	812	33400	26400	29370	27700	14900	20580
12	8900	400	2170	1200	200	675	32300	21100	27440	27300	16100	20080
13	5400	400	2280	1300	200	687	31500	17400	25230	25300	14700	18600
14	2800	200	1450	2000	200	962	31100	19900	24520	21900	16500	18980
15	1700	100	880	4600	200	1270	31400	23700	27160	26200	18600	22130
16	1400	100	666	4400	900	1829	32900	23400	27600	31200	20100	23720
17	1400	100	651	4000	1500	2133	31200	22500	26520	28400	20000	23330
18	7000	200	1630	11100	2000	4495	28600	23800	26050	27600	17500	22530
19	5800	400	2060	8900	4700	6120	34600	24900	28150	31400	19700	23850
20	9300	600	2190	12600	5500	7254	35500	23000	28650	39400	20900	26600
21	5300	700	2050	15600	7600	11560	30700	22100	26510	44900	21900	29680
22	9800	1100	2820	19900	9200	13300	39400	23600	28320	46600	20700	31770
23	8100	600	2370	37500	11900	19480	42300	24500	30820	47500	26000	34520
24	3600	300	1830	35300	16400	25370	41400	21600	30880	48000	26000	35760
25	6000	500	1600	35800	18900	26550	46100	21000	31850	46600	26400	36500
26	9800	1500	4100	33600	20400	25800	37600	18600	27590	48300	29400	37910
27	6900	1000	4250	34600	21100	25900	30500	9600	19600	47400	30800	38030
28	4400	800	2610	37100	18300	25590	22900	11400	15070	42700	33000	36840
29	---	---	---	41300	17600	26370	36100	12400	19090	40600	30500	35470
30	---	---	---	34800	15100	23840	31100	13200	18720	39200	30200	34550
31	---	---	---	28800	16500	21310	---	---	---	39100	29300	34290
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	38300	30700	34460	28600	9500	15500	---	---	---	---	---	---
2	37600	29000	33200	31500	13600	20660	---	---	---	38000	26800	32930
3	42400	29400	34020	25100	14500	19560	---	---	---	37700	28400	32270
4	40200	27100	34230	28200	13500	17850	---	---	---	41800	27800	31760
5	39700	25200	33470	40400	15400	23140	---	---	---	41400	28700	34860
6	40900	25100	33330	32600	18900	25510	---	---	---	39700	30800	36100
7	40300	23700	34750	28500	18600	23530	---	---	---	38200	31900	35950
8	37600	24500	31920	25900	15900	20940	---	---	---	39700	32500	36590
9	38000	23600	31530	25600	17700	20430	---	---	---	40800	33500	37120
10	39000	24000	31920	26400	18300	20960	---	---	---	41400	33700	37220
11	36100	16200	27980	27900	19100	21920	---	---	---	39600	25600	34710
12	41700	19800	28150	27200	20000	22720	---	---	---	31000	20900	26690
13	35600	19300	26930	29000	20600	24220	---	---	---	33900	19400	26190
14	30800	17500	23900	32400	21700	26530	---	---	---	39000	19000	26540
15	31900	19100	24710	32400	21500	26660	---	---	---	40800	21200	27960
16	30000	18800	24460	38400	19900	29150	---	---	---	40100	23300	29920
17	28000	19300	24010	41000	20000	30500	---	---	---	42100	26000	32000
18	46700	16900	26270	31500	19900	25700	---	---	---	37900	27100	32230
19	29800	5500	17050	---	---	---	---	---	---	35700	26900	31510
20	38700	5600	14990	---	---	---	---	---	---	33800	26400	30120
21	36800	3900	14600	---	---	---	---	---	---	34100	26300	29500
22	34100	4500	14260	---	---	---	---	---	---	33200	25900	29140
23	36900	3900	13170	---	---	---	---	---	---	31700	26200	28460
24	31000	8300	15090	---	---	---	---	---	---	33700	26200	29560
25	35500	9400	16530	---	---	---	---	---	---	31900	26100	28650
26	20200	8400	12950	---	---	---	---	---	---	30000	24900	26960
27	15800	7500	10580	---	---	---	---	---	---	26400	20800	24080
28	10100	6600	8479	---	---	---	---	---	---	26000	18200	22140
29	10600	6400	8258	---	---	---	---	---	---	25800	18000	21590
30	16300	6700	10230	---	---	---	---	---	---	26200	18400	22550
31	---	---	---	---	---	---	---	---	---	---	---	---
YEAR	52800	[100	23514									

SANTEE RIVER BASIN

02171910 SOUTH SANTEE RIVER AT AIC WATERWAY NEAR McCLELLANVILLE, S.C.

LOCATION.--Lat 33°08'45", long 79°19'22", Charleston County, Hydrologic Unit 03050112, near right bank in Santee Gun Club, 1.3 miles (2.1 km) downstream from Pleasant Creek, 9.0 miles (14.5 km) northeast of McClellanville, and at mile 5.1 (8.2 km).

PERIOD OF RECORD.--November 1973 to May 1975, October 1975 to current year. Gage height records May 1975 to October 1975 are in reports of the National Ocean Survey.

GAGE.--Water-stage recorder. Datum of gage is 19.55 ft (5.96 m) above National Geodetic Vertical Datum of 1929 (National Ocean Survey benchmark).

REMARKS.--Tidal gage heights.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 26.44 ft (8.06 m) Nov. 6, 1975; minimum, 15.13 ft (4.61 m) Jan. 25, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 23.42 ft (7.138 m) June 18; minimum recorded, 15.94 ft (4.858 m) Apr. 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			---	---	---	---	20.94	16.80	20.55	16.38	---	---
2			---	---	---	---	21.19	17.00	21.05	16.86	---	---
3			---	---	---	---	21.51	17.15	21.48	16.38	---	---
4			---	---	---	---	21.64	16.03	21.21	16.58	---	---
5			---	---	---	---	20.39	16.22	21.68	16.21	21.95	16.86
6			21.54	17.50	---	---	21.53	16.86	---	---	21.77	17.36
7			21.65	17.38	---	---	21.65	16.47	---	---	22.57	17.05
8			21.78	17.62	---	---	21.92	16.13	---	---	21.69	16.39
9			21.88	17.16	---	---	22.41	16.67	---	---	21.83	16.84
10			22.28	17.06	---	---	21.52	16.20	---	---	21.68	16.85
11			22.79	17.42	---	---	21.52	16.38	---	---	21.63	16.91
12			23.16	17.71	---	---	21.87	16.39	---	---	21.63	17.06
13			23.31	18.02	---	---	22.09	17.20	---	---	21.17	17.10
14			23.20	18.02	---	---	22.05	17.45	---	---	21.16	16.89
15			23.03	17.78	---	---	20.48	17.38	---	---	21.16	17.37
16			22.58	17.75	---	---	20.59	17.43	---	---	20.57	17.50
17			---	---	---	---	20.29	17.31	---	---	20.77	16.95
18			---	---	---	---	20.71	17.13	---	---	20.37	17.51
19			---	---	---	---	20.65	16.87	---	---	20.83	17.26
20			---	---	---	---	20.41	17.07	---	---	20.86	17.27
21			---	---	---	16.50	21.13	17.13	---	---	21.65	17.51
22			---	---	20.51	16.52	21.26	16.82	---	---	21.39	16.98
23			---	---	20.46	16.24	21.47	17.03	---	---	22.32	17.22
24			---	---	20.47	16.05	20.51	16.11	---	---	22.47	17.72
25			---	---	21.39	16.50	21.16	16.22	---	---	22.47	17.65
26			---	---	21.75	17.45	20.76	16.41	---	---	22.21	16.96
27			---	---	21.73	17.15	21.55	16.74	---	---	22.07	17.03
28			---	---	21.65	17.04	21.27	16.66	---	---	22.33	17.03
29			---	---	21.56	17.14	20.83	16.36	---	---	21.94	17.01
30			---	---	21.78	17.30	20.96	16.73	---	---	20.93	16.68
31			---	---	22.28	17.83	20.87	16.82	---	---	21.46	16.44
MEAN							21.20	16.75				

Santee River Basin

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02171910 SOUTH SANTEE RIVER AT AIC WATERWAY NEAR McCLELLANVILLE, S.C.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	21.01	16.47	22.03	17.26	21.65	17.22	21.69	16.99	21.32	16.53	21.64	17.03
2	21.12	16.71	21.41	16.85	21.67	17.03	21.77	17.42	21.99	17.21	21.57	16.81
3	21.30	16.98	21.37	16.82	21.93	17.19	21.30	16.92	21.98	17.40	21.41	16.64
4	20.26	16.02	21.68	17.00	21.97	17.41	21.52	16.53	22.02	17.50	21.87	16.71
5	21.64	16.17	21.99	16.98	22.00	17.22	22.23	17.30	21.74	17.21	22.14	17.48
6	21.35	16.02	21.74	16.79	22.10	17.47	21.87	17.52	21.64	17.01	21.77	17.41
7	21.46	15.94	21.27	16.48	22.09	17.50	21.47	17.06	21.57	17.00	21.79	17.19
8	22.35	16.55	21.56	16.60	21.95	17.48	21.21	16.81	21.48	17.05	21.83	17.37
9	21.28	16.53	21.95	16.79	22.08	17.80	21.02	16.76	20.92	16.86	21.86	17.58
10	21.54	16.48	21.67	17.25	21.75	18.05	20.50	16.71	21.00	16.59	21.88	17.48
11	21.30	16.85	21.47	17.08	21.21	17.61	20.98	16.83	21.20	16.63	21.90	17.33
12	20.73	16.58	21.00	17.12	22.35	18.18	20.80	16.69	21.30	16.66	21.86	17.06
13	19.66	16.67	19.70	16.91	21.96	17.94	20.91	16.81	22.07	17.20	21.97	17.04
14	20.60	16.72	20.69	16.86	21.45	17.46	21.18	16.91	22.32	17.25	22.16	16.79
15	20.75	17.41	20.65	17.07	21.72	17.80	21.36	16.80	22.41	17.28	22.33	16.89
16	20.93	17.18	21.22	17.42	21.58	17.25	21.95	16.84	22.32	16.85	22.26	16.97
17	20.46	17.14	20.84	17.04	21.59	16.94	22.34	17.00	22.34	16.63	22.34	17.20
18	20.71	16.77	20.72	16.74	23.42	16.93	22.30	16.62	22.34	16.71	22.01	17.18
19	21.17	17.20	21.18	16.58	22.28	16.53	22.37	16.47	22.23	16.79	21.85	17.13
20	21.28	17.00	21.62	16.49	22.58	16.56	22.33	16.39	21.63	16.39	21.86	17.10
21	21.30	16.64	21.96	16.48	22.51	16.71	22.56	16.65	21.38	16.34	21.83	17.09
22	21.96	16.56	22.10	16.27	22.31	16.68	22.35	16.99	21.84	16.59	21.57	17.27
23	22.30	16.93	22.40	16.44	22.55	16.84	21.60	16.74	21.36	17.02	21.65	17.58
24	22.10	16.53	22.33	16.48	22.69	17.28	21.29	16.59	20.89	16.67	21.58	17.88
25	22.57	16.75	22.10	16.69	21.63	17.34	21.84	17.04	20.79	16.61	21.51	17.90
26	22.17	16.69	21.29	16.87	22.07	17.19	21.68	17.28	21.27	16.86	21.30	17.91
27	21.96	16.68	22.32	17.02	21.64	17.01	21.37	17.25	21.16	17.38	21.17	17.61
28	20.99	16.80	21.99	16.96	21.14	16.68	21.25	17.12	20.88	16.97	21.56	17.57
29	22.09	17.75	21.61	16.92	21.14	16.80	21.06	16.74	21.81	17.76	21.79	17.58
30	22.35	17.92	21.47	17.04	21.32	16.66	21.03	16.85	21.57	17.48	21.97	17.45
31	---	---	21.49	17.20	---	---	20.85	16.60	21.40	17.20	---	---
MEAN	21.36	16.75	21.51	16.85	21.94	17.23	21.55	16.88	21.62	16.96	21.81	17.27

SANTEE RIVER BASIN

02171910 SOUTH SANTEE RIVER AT AIC WATERWAY NEAR McCLELLANVILLE, S.C.--Continued

WATER QUALITY RECORDS

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

INSTRUMENTATION.--Servo Programmer since January 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum 79,900 micromhos Mar. 26, 1979.

MINIMUM: Less than 100 micromhos, Jan. 19, 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum 60,800 micromhos Dec. 12.

MINIMUM: Less than 100 micromhos, Jan. 19.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	50500	31600	39500	49600	31600	40700	44900	35000	40500	---	---	---
2	54400	30100	39800	46800	32100	39200	43300	28300	35800	---	---	---
3	53800	27300	40200	44400	30800	37300	43100	14200	32900	---	---	---
4	49000	31400	38900	44700	27800	36500	46600	26000	35100	---	---	---
5	47100	29700	37200	44200	31400	36800	54600	26600	34800	---	---	---
6	48400	29800	37200	46100	30700	36100	51000	30300	39000	---	---	---
7	52400	29100	38700	51300	32400	40900	50400	31100	40600	---	---	---
8	50300	29900	40100	50600	34300	43400	51300	30600	40900	---	---	---
9	48700	33000	40700	---	---	---	55400	28500	41800	---	---	---
10	50300	32000	40800	---	---	---	60000	30300	45600	---	---	---
11	53600	33100	42300	---	---	---	60100	33500	47900	---	---	---
12	55800	30900	44400	---	---	---	60800	35100	48600	---	---	---
13	58200	31900	47300	---	---	---	59800	36500	49200	---	---	---
14	59400	35200	48000	---	---	---	58000	39100	49600	---	---	---
15	57800	34400	49700	---	---	---	55000	33300	44100	---	---	---
16	59300	38400	49100	---	---	---	48600	29200	37900	---	---	---
17	57900	37200	47900	---	---	---	49100	32700	39600	---	---	---
18	54500	37800	46300	---	---	---	47400	29200	38200	---	---	---
19	50400	31800	41900	---	---	---	46000	26200	34900	600	100	---
20	51700	32400	42800	---	---	---	42400	26300	33700	800	400	622
21	48400	35400	41900	---	---	---	42300	26400	33700	700	400	548
22	47000	30200	40400	---	---	---	---	---	---	700	500	559
23	50200	34500	41700	---	---	---	---	---	---	1000	500	671
24	54100	31500	42500	---	---	---	---	---	---	1300	800	964
25	54500	38000	46100	---	---	---	---	---	---	5700	1200	4090
26	51000	37300	44900	---	---	---	---	---	---	5200	3800	4500
27	50800	37500	43900	---	---	---	42700	27100	34000	11000	3300	7850
28	48600	33000	41100	---	---	---	41100	26900	33100	9700	4600	7780
29	50200	33500	41600	---	---	---	44300	25100	35900	8500	1400	2300
30	52900	33400	42100	---	---	---	---	---	---	1400	800	969
31	51300	33600	41500	---	---	---	---	---	---	800	500	657

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SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25° C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	1000	500	746	1100	800	953	14180	12380	13330	21770	1298	8295
2	1600	400	799	1000	800	872	14180	12280	13370	8791	1098	4366
3	1000	500	726	900	800	834	16480	13280	14900	16280	1298	6839
4	900	400	651	3200	499	1849	16780	14880	16050	21570	2797	10880
5	17600	600	4610	5394	399	978	20370	15880	18260	25370	3196	13020
6	17200	3600	9030	1498	399	616	21170	19080	20190	20870	5394	12000
7	24200	4400	14300	30660	399	5248	19680	17880	18560	22970	5094	11110
8	15600	4000	7640	3796	499	1107	21270	19180	19870	30260	6393	16050
9	9900	4400	6410	3896	499	1032	21770	20270	21040	33560	9290	19370
10	5200	2500	3760	1298	499	632	20670	19080	19890	29670	12680	20200
11	3200	1300	2080	799	399	557	19980	18280	19160	28270	9690	18350
12	1700	1000	1310	899	399	561	18880	17580	18360	26070	12180	17850
13	1500	900	1090	899	399	561	18880	17680	18320	26870	11580	17140
14	1100	800	919	699	299	499	19780	18380	19280	30460	11680	19580
15	1000	800	899	699	299	428	20670	19180	19880	30560	16080	22290
16	1000	800	869	499	299	407	20570	17880	19400	37160	18480	24020
17	1000	800	868	599	299	399	18880	17080	18260	28870	17280	22260
18	1000	800	861	2897	299	1036	18980	16580	17800	34460	15980	23990
19	1000	700	831	3296	699	1864	20070	17280	18750	39160	16680	26830
20	1000	700	805	14780	1798	7213	20670	17580	19020	38760	18080	27980
21	900	700	757	20070	3796	11440	18980	15980	17620	44250	20170	30110
22	3100	600	1160	22470	3896	12450	23370	15080	17940	47150	21270	31770
23	2300	1600	1940	32060	6293	19700	28070	16280	21140	48150	23370	34060
24	2400	1800	2080	29270	16780	23470	29470	16580	22480	45850	27870	36650
25	1900	1400	1620	26170	20670	23590	35360	15980	24150	47150	25770	34770
26	1600	1300	1400	23670	22070	22700	33160	8891	21740	46550	26170	34810
27	1400	1000	1200	24770	12880	20800	27270	3896	13660	46250	24870	34150
28	1200	900	990	21870	21270	21530	22370	1598	8037	43150	23970	32050
29	---	---	---	21370	20670	20990	30360	1898	10430	42650	23670	32590
30	---	---	---	20770	16680	19680	30460	1498	11080	46150	26470	36270
31	---	---	---	17580	13880	16150	---	---	---	47650	27570	37120
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE												
1	45350	26970	35920	28770	4995	14600	39160	15380	26360	23670	20470	21390
2	46750	23870	35460	26770	8291	16390	41850	17580	26830	36960	21670	27980
3	45950	24770	35570	24870	8691	15730	39760	20270	28320	41350	23270	30720
4	45850	26770	34860	32360	7992	17310	38260	19880	28420	42450	22770	31060
5	40850	24570	32840	39660	13580	21560	35860	20170	27580	42950	25470	35190
6	43350	24670	32160	31560	12080	20940	33860	18980	25140	42850	26670	35260
7	42550	23270	30890	23070	9890	16360	33960	16780	24380	39660	26970	34130
8	42150	21670	30760	23270	10880	16530	34760	17680	25890	42850	27770	34870
9	41050	22070	30760	27670	8191	16110	39560	19880	29350	44050	27770	35580
10	40750	25970	32320	32060	9090	18050	41150	31160	37290	42850	27170	35120
11	36360	21670	28790	33460	11480	20810	41550	21570	34630	38760	19680	32420
12	44150	23570	31310	36460	13380	22850	43850	21470	31920	33560	12780	21860
13	37260	21370	28410	37360	16280	26710	42450	23770	35120	25770	11980	19110
14	35060	19080	26420	39460	16880	27130	40450	23570	34340	28870	9690	16790
15	34160	19180	26940	37860	15080	25000	42150	19680	30330	38260	10480	20130
16	32060	17780	25590	36660	8991	21980	36060	21870	30630	43750	14980	24550
17	40850	17680	28200	39860	6093	20650	36060	28770	32230	45950	18580	30230
18	44050	11780	25500	37060	2097	16410	30560	26870	28470	39360	20870	31580
19	33960	1698	14440	38060	2297	14580	28470	26370	27370	38560	22370	30350
20	30360	6393	12900	43250	3296	16880	27170	22870	25670	39560	21570	30760
21	25870	7092	14920	43250	6693	21040	23670	21470	22480	42150	22570	31600
22	21170	13980	16850	46250	8391	24170	21970	21070	21450	41550	22670	31650
23	17880	12380	15600	40950	8291	21990	29470	21170	22700	42450	15580	31800
24	20070	10780	14480	29370	7492	18180	32260	21770	26550	39660	25170	31380
25	15480	12780	14260	32460	8391	20230	37260	18080	30500	41050	25670	32110
26	14880	9990	13260	30560	9290	19560	34860	22570	30700	35160	18980	28330
27	9790	4495	7126	26170	6693	16270	30460	23470	27880	30960	16780	23020
28	6093	2997	4861	26070	6093	15150	26670	20770	23900	26970	17380	21220
29	14580	5794	11030	31060	7192	16560	28070	20570	23940	---	---	---
30	15180	10580	12810	37460	10080	21350	25170	21370	23660	---	---	---
31	---	---	---	41850	12980	23830	23870	20170	21880	---	---	---
YEAR	60800	[100										

02172000 LAKE MOULTRIE NEAR PINOPOLIS, S.C.

LOCATION.--Lat 33°14'40", long 79°59'30", Berkeley County, Hydrologic Unit 03050201, at powerplant 0.7 mi (1.1 km) upstream from Seaboard Coast Line Railroad bridge and 2.8 mi (4.5 km) northeast of Pinopolis.

PERIOD OF RECORD.--January 1942 to current year. Prior to October 1942, published as Pinopolis Reservoir near Pinopolis.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1924 (levels by South Carolina Public Service Authority). Prior to May 16, 1942 and Feb. 25 to Dec. 14, 1970, nonrecording gage and May 17, 1942 to Sept. 30, 1963, water-stage recorder at same site at datum 0.25 ft (.076 m) lower.

REMARKS.--Lake is formed by earth dikes and dam, with concrete navigation locks; dikes and dam completed in 1941. Storage began in November 1941. Water is diverted through canal (see sta 02170500) from Lake Marion (see sta 02171000) and discharged through tailrace canal into West Branch Cooper River. Usable capacity, 33,170,000,000 ft³ (939,400,000 m³) between elevation 60.0 ft (18.29 m) (normal limit of drawdown) and 76.8 ft (23.41 m) (maximum normal elevation). Dead storage, about 16,600,000,000 ft³ (555,100,000 m³). Figures given herein represent usable contents. Water is used for generation of power and for navigation. Records of contents at end of month published for water years prior to 1964 were computed from elevations 0.25 ft (.076 m) too high. Records of change in contents published for the same period are slightly in error.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 76.21 ft (23.229 m) Oct. 14, 1959 (affected by high wind); minimum, 58.52 ft (17.837 m) Dec. 21, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 75.71 ft (23.076 m) Jan. 23; minimum, 72.95 ft (22.235 m) Dec. 28.

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

68.0 ft (20.73 m)	12.37 ft ³ (350.3 m ³)
70.0 ft (21.34 m)	16.47 ft ³ (466.4 m ³)
72.0 ft (21.95 m)	20.91 ft ³ (592.2 m ³)

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.21	74.36	73.91	73.11	75.61	75.39	74.93	74.81	74.79	75.02	74.89	74.93
2	74.30	74.38	74.10	73.13	75.63	75.40	74.97	74.87	74.83	75.06	74.95	74.91
3	74.26	74.34	74.12	73.26	75.58	75.40	75.07	74.96	74.86	75.10	75.06	74.94
4	74.21	74.34	74.30	73.44	75.50	75.40	75.04	75.09	74.91	75.13	75.00	74.99
5	74.19	74.33	74.25	73.52	75.37	75.36	74.94	75.19	75.02	75.17	75.04	75.02
6	73.97	74.44	74.26	73.66	75.23	75.40	74.96	75.22	75.11	75.17	74.99	75.03
7	74.08	74.40	74.14	73.86	75.13	75.46	74.73	75.20	75.10	75.16	74.95	74.99
8	74.06	74.36	74.26	74.15	74.99	75.37	74.59	75.19	75.18	75.06	75.02	74.96
9	74.02	74.37	74.17	74.54	75.24	75.32	74.57	75.17	75.24	75.00	75.08	74.92
10	74.09	74.38	74.03	74.70	75.29	75.31	74.50	75.16	75.37	75.05	75.02	74.93
11	74.11	74.41	73.76	74.85	75.33	75.34	74.52	75.09	75.34	75.03	75.04	75.07
12	74.08	74.33	73.57	74.91	75.51	75.37	74.59	75.01	75.29	75.02	75.17	75.02
13	74.08	74.32	73.70	75.13	75.36	75.39	74.70	74.90	75.30	75.10	75.22	74.92
14	74.02	74.36	73.76	75.40	75.37	75.38	74.69	74.84	75.24	75.15	75.16	74.92
15	74.02	74.36	73.97	75.39	75.38	75.34	74.55	74.74	75.09	75.09	75.08	74.83
16	73.98	74.32	73.74	75.42	75.37	75.26	74.70	74.74	75.02	75.03	75.04	74.80
17	73.92	74.34	73.65	75.42	75.34	75.21	74.88	74.71	74.98	75.06	75.05	74.84
18	74.07	74.31	73.72	75.42	75.22	75.14	74.94	74.65	75.29	75.19	75.10	74.88
19	73.98	74.23	73.71	75.43	75.21	75.10	75.02	74.70	74.95	75.19	75.11	74.89
20	73.87	74.40	73.62	75.43	75.16	75.10	75.02	74.75	74.94	75.17	75.10	74.97
21	73.91	74.18	73.59	75.48	75.18	75.11	75.10	74.79	74.92	75.11	75.09	75.00
22	73.89	74.18	73.51	75.51	75.19	75.07	75.13	74.63	75.15	74.99	75.05	75.00
23	73.96	74.00	73.45	75.52	75.13	75.13	75.08	74.72	75.07	75.05	75.04	74.99
24	73.92	74.12	73.35	75.40	75.13	75.31	75.05	74.77	75.05	75.07	75.03	74.98
25	73.97	74.03	73.36	75.28	75.11	75.24	75.26	74.73	74.91	75.04	75.05	74.95
26	73.90	73.97	73.20	75.31	75.13	75.19	75.14	74.87	74.81	74.92	75.06	75.11
27	73.92	74.03	73.07	75.38	75.24	75.06	75.13	74.76	74.81	74.80	75.08	74.92
28	74.03	74.06	73.05	75.50	75.31	74.94	75.01	74.61	74.88	74.73	75.09	74.88
29	74.08	74.00	73.06	75.55	---	74.87	74.85	74.64	75.01	74.84	75.16	74.77
30	74.19	73.99	72.98	75.58	---	74.89	74.81	74.65	75.03	74.70	75.11	74.83
31	74.26	---	73.16	75.55	---	74.90	---	74.73	---	74.67	75.01	---
MAX	74.30	74.44	74.30	75.58	75.63	75.46	75.26	75.22	75.37	75.19	75.22	75.11
MIN	73.87	73.97	72.98	73.11	74.99	74.87	74.50	74.61	74.79	74.67	74.89	74.77
(*)	26.41	25.72	23.66	29.78	29.14	28.06	27.83	27.62	28.39	27.47	28.34	27.88
(*)	-19	-266	-769	2285	-265	-403	-89	-78	297	-343	325	-177
CAL YR 1981	*	38	MAX	74.97	MIN	70.31						
WTR YR 1982	*	17	MAX	75.63	MIN	72.98						

(*) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.

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

151

LOCATION.--Lat 33°06'58", long 79°57'22", Berkeley County, Hydrologic Unit 03050201, on left bank of Cooper River 1 mi (1.6 km) downstream from junction of Mepkin Creek at river mile mile 36.7 (58.7 km).

PERIOD OF DAILY RECORD.--

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 130 micromhos July 21, 1982; minimum, 48 micromhos May 25, 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 130 micromhos July 21, 1982; minimum, 48 micromhos May 25, 1982.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

[illegible]

COOPER RIVER BASIN

153

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

LOCATION.--Lat 33°05'54", long 79°57'17", Berkeley County, Hydrologic Unit 03050201, at Pimlico on right bank, 1.1 mi (1.8 km) upstream from Seaboard Coast Line Railroad bridge, 2.1 mi (3.4 km) downstream from Molly Branch, 7.8 mi (12.5 km) southwest of Moncks Corner, and at mile 35.4 (57.0 km).

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

PERIOD OF DAILY RECORD.--

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

INSTRUMENTATION.--Servo Programmer since August 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

WATER TEMPERATURE (BOTTOM): Maximum, >31.0°C July 30-31, 1982; minimum, 2.5°C Jan. 12-13, 1981.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE (TOP): Maximum, 31.4°C July 26-27; minimum, 3.5°C Jan. 12.

WATER TEMPERATURE (BOTTOM): Maximum, 30.4°C July 30-31; minimum, 8.4°C Jan. 29.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.1	24.8	25.3	---	---	---	14.8	12.7	13.8	10.4	9.0	9.7
2	25.3	24.2	24.8	---	---	---	15.4	14.2	14.7	10.2	9.4	10.0
3	24.2	22.6	23.3	---	---	---	14.4	13.4	13.8	10.2	9.4	9.8
4	23.5	22.0	22.9	---	---	---	13.6	12.5	13.0	11.9	9.6	10.8
5	23.5	22.1	22.9	---	---	---	13.1	11.5	12.3	11.1	9.4	10.4
6	24.8	22.8	23.5	---	---	---	12.2	10.0	11.5	10.8	9.5	10.2
7	23.3	22.7	23.0	---	---	---	12.2	9.7	11.3	11.9	10.1	11.2
8	22.6	21.4	22.1	---	---	---	12.2	10.6	11.6	12.3	10.5	11.4
9	22.1	20.7	21.6	---	---	---	11.6	8.9	10.8	10.5	9.1	9.8
10	21.9	20.3	21.4	---	---	---	10.3	7.0	8.9	9.0	6.2	7.6
11	21.0	19.8	20.6	---	---	---	9.5	6.1	7.7	7.3	4.2	5.3
12	21.2	19.8	20.4	---	---	---	9.0	6.4	7.7	6.1	3.5	5.1
13	20.7	19.2	20.0	---	---	---	9.1	6.4	7.9	6.0	5.1	5.6
14	20.5	18.8	19.9	---	---	---	9.6	7.7	8.8	6.1	5.3	5.7
15	20.8	19.0	19.9	---	---	---	10.6	9.1	9.8	6.0	4.1	5.2
16	21.2	18.8	20.0	---	---	---	10.4	8.9	9.5	6.2	4.8	5.6
17	21.3	19.5	20.2	---	---	---	10.2	8.4	9.3	6.5	5.4	5.9
18	21.8	20.2	20.8	---	---	---	10.6	9.3	9.9	6.9	5.0	5.9
19	20.9	19.9	20.2	---	---	---	9.3	6.4	7.8	8.2	6.5	7.4
20	---	---	---	---	---	---	8.1	5.1	6.3	9.4	6.8	8.6
21	---	---	---	---	---	---	8.1	4.8	6.4	9.5	6.8	8.6
22	---	---	---	---	---	---	9.5	6.4	8.3	9.0	7.4	8.0
23	---	---	---	---	---	---	12.6	8.5	10.5	9.5	7.1	8.1
24	---	---	---	13.6	12.4	13.3	13.1	8.9	11.0	9.4	7.3	8.5
25	---	---	---	13.7	12.3	12.9	12.2	9.0	10.3	7.9	6.6	7.3
26	---	---	---	13.7	11.9	13.1	9.8	8.4	8.9	7.6	5.9	6.8
27	---	---	---	14.6	12.6	13.7	8.8	8.4	8.6	6.2	4.5	5.4
28	---	---	---	15.6	13.9	14.5	9.2	8.6	8.9	7.3	4.9	6.1
29	---	---	---	14.9	13.9	14.3	9.8	9.2	9.4	8.2	6.7	7.4
30	---	---	---	14.4	13.2	13.8	9.7	8.2	8.8	8.2	6.9	7.7
31	---	---	---	---	---	---	9.3	7.9	8.5	10.8	7.2	8.6

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	11.6	9.2	10.7	9.3	8.6	8.9	19.6	15.3	17.1	21.3	19.0	20.1
2	10.6	8.0	9.0	10.9	8.5	9.7	19.5	16.2	17.4	21.8	19.2	20.6
3	9.5	8.0	8.8	11.5	9.8	10.7	18.7	16.2	17.2	22.5	19.1	20.9
4	11.1	8.2	9.9	12.4	10.4	11.4	18.5	15.6	17.0	22.5	19.1	21.0
5	11.3	8.3	10.1	13.2	10.4	12.1	18.5	15.9	16.6	22.4	19.4	20.8
6	10.3	8.4	9.7	13.3	10.4	12.2	18.0	15.9	16.7	22.7	19.1	20.9
7	10.4	8.9	9.9	12.2	10.3	11.0	16.3	13.6	15.3	22.5	19.5	21.2
8	10.4	9.0	9.8	12.8	10.9	12.1	15.7	14.1	15.1	22.5	20.3	21.5
9	11.4	9.3	10.4	---	---	---	16.3	13.5	14.8	23.4	20.5	22.0
10	11.9	9.8	11.3	13.7	12.1	13.1	16.3	14.5	15.5	23.9	21.5	22.5
11	11.3	9.7	10.5	14.2	11.2	13.1	17.3	14.8	15.9	24.6	21.8	22.8
12	10.4	9.3	9.8	15.0	11.7	13.7	18.7	15.4	16.6	23.7	21.5	22.5
13	10.6	9.0	9.8	16.2	13.1	14.6	18.3	16.2	17.0	23.7	21.6	22.5
14	11.4	9.4	10.5	16.4	13.7	15.2	18.4	16.6	17.5	24.2	22.0	22.8
15	12.6	10.3	11.5	17.0	13.8	15.5	21.2	16.5	18.4	24.3	22.4	23.2
16	13.9	11.5	12.7	15.6	13.0	14.7	18.6	16.1	17.5	23.7	22.8	23.2
17	14.3	11.4	13.3	17.4	14.5	16.0	19.1	17.3	18.2	24.1	22.1	22.8
18	14.3	11.0	12.2	17.8	15.5	16.6	20.3	17.9	18.7	25.0	22.6	23.4
19	12.4	10.7	11.5	18.2	14.3	16.8	19.7	17.3	18.3	24.1	23.0	23.7
20	13.0	11.1	12.2	19.7	14.7	17.8	20.3	17.7	18.7	24.5	23.1	23.9
21	13.4	11.3	12.6	19.9	15.0	17.8	21.4	17.4	19.3	24.9	23.2	24.1
22	12.4	10.6	11.4	19.0	15.5	17.8	21.0	18.1	19.3	25.3	23.8	24.5
23	12.5	10.5	11.6	18.6	15.3	17.0	19.3	17.3	18.4	25.2	23.4	24.4
24	13.4	11.2	12.5	17.6	15.3	16.4	20.0	17.3	18.8	25.4	23.9	24.5
25	13.3	11.8	12.7	17.4	15.1	16.3	19.0	18.1	18.6	26.4	23.9	24.7
26	11.7	8.6	9.9	18.1	16.6	17.4	19.9	17.7	18.8	25.8	24.3	25.0
27	9.4	8.2	8.7	16.9	15.0	15.9	21.9	18.0	20.0	26.7	24.4	25.1
28	9.0	8.4	8.7	15.2	13.6	14.5	20.7	18.9	19.9	26.9	23.7	25.1
29	---	---	---	15.5	13.5	14.7	20.5	18.6	19.6	27.4	24.4	25.7
30	---	---	---	16.7	14.5	15.7	20.5	18.5	19.5	27.7	25.1	26.1
31	---	---	---	17.8	15.2	16.5	---	---	---	27.3	25.1	26.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	27.3	25.0	25.9	---	---	---	29.7	28.7	29.1	28.7	27.7	28.2
2	27.4	25.5	26.4	---	---	---	29.9	28.6	29.3	28.7	27.8	28.3
3	28.5	25.8	27.0	---	---	---	29.9	29.1	29.6	29.1	27.8	28.4
4	27.9	25.6	26.8	---	---	---	30.2	29.2	29.6	29.0	27.5	28.4
5	28.0	25.7	27.0	---	---	---	30.3	29.0	29.5	27.8	26.6	27.3
6	28.6	26.4	27.6	---	---	---	30.1	28.5	29.2	27.8	26.3	27.2
7	28.9	27.0	27.9	---	---	---	29.8	28.6	29.1	27.9	26.4	27.2
8	29.3	27.0	28.0	---	---	---	29.8	28.6	29.1	27.8	26.2	27.0
9	29.5	27.1	28.3	---	---	---	29.6	28.8	29.2	27.2	25.7	26.4
10	29.9	27.1	28.4	---	---	---	30.1	28.3	28.9	26.5	25.6	26.1
11	29.2	27.1	28.1	---	---	---	30.2	28.9	29.3	26.3	25.5	26.0
12	29.3	27.4	28.1	---	---	---	29.9	29.0	29.3	26.5	25.6	26.2
13	27.9	26.7	27.5	---	---	---	30.0	28.9	29.3	27.0	26.1	26.6
14	28.5	26.5	27.3	---	---	---	29.9	28.5	29.0	27.3	26.0	26.6
15	28.3	27.0	27.6	---	---	---	29.6	28.5	29.1	27.2	25.3	26.5
16	29.1	27.3	28.0	---	---	---	29.7	28.5	29.1	27.5	26.1	26.8
17	29.1	27.1	28.0	---	---	---	29.6	28.4	29.1	27.7	26.4	27.0
18	27.2	24.6	26.2	---	---	---	29.4	28.3	28.8	28.3	26.5	27.1
19	25.5	24.0	24.7	---	---	---	28.4	27.7	28.1	27.6	26.4	27.0
20	26.1	25.6	25.8	---	---	---	29.1	27.6	28.3	26.6	26.5	26.6
21	26.6	26.0	26.4	---	---	---	29.4	28.0	28.6	26.6	25.8	26.4
22	26.6	26.2	26.5	---	---	---	29.9	28.2	28.8	26.2	25.5	25.9
23	26.4	26.1	26.3	---	---	---	30.0	28.3	28.8	26.1	24.7	25.8
24	---	---	---	30.0	28.5	29.6	29.8	28.4	28.8	26.1	24.8	25.6
25	---	---	---	30.5	28.7	29.3	29.8	28.7	29.0	25.7	24.4	25.0
26	---	---	---	31.4	29.2	29.7	29.7	28.8	29.2	25.6	23.4	24.5
27	---	---	---	31.4	29.1	29.8	29.6	28.5	29.1	24.8	23.2	24.0
28	---	---	---	30.5	29.1	29.6	29.7	28.9	29.3	24.8	23.7	24.4
29	---	---	---	30.0	29.2	29.6	29.6	28.6	29.0	25.4	23.2	24.6
30	---	---	---	30.3	29.1	29.7	28.7	27.8	28.2	24.7	22.7	23.8
31	---	---	---	30.1	29.2	29.6	28.7	27.7	28.1	---	---	---
YEAR	31.4	3.5	18.7									

COOPER RIVER BASIN

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	26.5	25.1	25.7	---	---	---	16.1	16.1	16.1	11.6	11.5	11.6
2	25.7	24.6	25.2	---	---	---	16.2	16.1	16.1	11.8	11.6	11.7
3	24.6	22.0	23.4	---	---	---	16.2	15.8	16.1	11.9	11.7	11.9
4	23.7	21.6	23.0	---	---	---	16.1	15.9	16.0	12.0	11.9	11.9
5	23.7	21.8	23.0	---	---	---	15.9	15.6	15.7	12.1	11.9	12.0
6	24.9	22.7	23.5	---	---	---	15.6	15.2	15.4	12.1	11.9	12.0
7	23.6	23.0	23.2	---	---	---	15.2	14.9	15.1	12.2	11.9	12.1
8	22.9	21.4	22.2	---	---	---	14.9	14.8	14.9	12.3	12.1	12.2
9	22.2	20.2	21.7	---	---	---	14.8	14.5	14.7	12.3	12.1	12.2
10	22.0	20.2	21.5	---	---	---	14.5	13.9	14.2	12.1	11.5	11.8
11	21.1	19.7	20.6	---	---	---	13.9	13.3	13.6	11.5	10.6	11.1
12	21.2	19.3	20.4	---	---	---	13.3	12.9	13.1	10.6	9.8	10.2
13	20.7	18.7	19.9	---	---	---	12.8	12.6	12.7	9.8	9.5	9.7
14	20.6	18.4	19.8	---	---	---	12.6	12.6	12.6	9.5	9.4	9.5
15	20.6	18.4	19.7	---	---	---	12.7	12.5	12.6	9.3	8.9	9.1
16	21.1	18.5	19.8	---	---	---	12.7	12.6	12.7	8.9	8.7	8.8
17	21.2	19.5	20.2	---	---	---	12.8	12.6	12.6	8.8	8.6	8.7
18	21.4	19.8	20.5	---	---	---	12.8	12.6	12.7	8.7	8.6	8.6
19	20.9	19.9	20.2	---	---	---	12.3	12.5	12.7	8.9	8.6	8.7
20	---	---	---	---	---	---	12.3	11.8	12.0	9.2	8.9	9.1
21	---	---	---	---	---	---	11.7	11.2	11.5	9.6	9.2	9.4
22	---	---	---	---	---	---	11.4	11.1	11.3	9.7	9.5	9.6
23	---	---	---	---	---	---	11.7	11.4	11.6	9.6	9.5	9.6
24	---	---	---	16.1	15.8	16.0	12.2	11.8	12.0	9.8	9.6	9.7
25	---	---	---	16.1	15.8	16.0	12.3	12.2	12.3	9.5	9.7	9.6
26	---	---	---	16.0	15.8	15.9	12.3	12.1	12.2	9.5	9.2	9.4
27	---	---	---	16.0	15.8	15.9	12.1	11.9	12.0	9.2	8.7	9.0
28	---	---	---	16.1	16.0	16.0	11.9	11.7	11.9	8.7	8.5	8.6
29	---	---	---	16.2	15.6	16.1	11.9	11.7	11.8	8.7	8.4	8.6
30	---	---	---	16.2	15.8	16.2	11.9	11.2	11.7	8.9	8.7	8.8
31	---	---	---	---	---	---	11.8	11.6	11.7	9.2	8.9	9.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	9.8	9.2	9.5	10.5	10.3	10.4	16.3	16.0	16.2	19.4	19.1	19.2
2	10.0	9.8	10.0	10.5	10.3	10.3	16.7	16.3	16.6	19.8	19.4	19.7
3	10.0	9.8	9.9	10.9	10.5	10.7	16.7	16.6	16.7	20.1	19.8	20.0
4	10.1	9.9	10.0	11.4	10.9	11.1	16.7	16.7	16.7	20.2	20.0	20.2
5	10.4	10.1	10.3	11.8	11.4	11.6	16.8	16.6	16.7	20.2	20.1	20.2
6	10.5	10.4	10.4	12.0	11.9	12.0	16.6	16.5	16.6	20.1	20.0	20.1
7	10.5	10.4	10.4	12.1	11.6	11.8	16.6	16.0	16.3	20.2	20.0	20.2
8	10.6	10.5	10.5	12.1	11.7	11.9	16.0	15.6	15.9	20.4	20.2	20.4
9	10.8	10.5	10.7	---	---	---	15.6	15.2	15.4	20.7	20.4	20.6
10	11.0	10.8	10.9	12.5	12.4	12.5	15.8	15.5	15.6	21.3	20.8	21.0
11	11.2	11.1	11.1	12.9	12.5	12.7	16.1	15.7	15.9	21.5	21.3	21.5
12	11.1	10.9	11.0	13.2	12.9	13.0	16.3	16.0	16.1	21.7	21.5	21.6
13	10.9	10.6	10.8	13.7	13.1	13.4	16.6	16.3	16.5	21.6	21.5	21.6
14	10.9	10.7	10.8	14.2	13.7	14.0	16.9	16.6	16.8	21.8	21.5	21.7
15	11.3	10.9	11.1	14.6	13.9	14.3	17.2	16.9	17.1	22.0	21.8	22.0
16	11.9	11.3	11.6	14.6	14.1	14.6	17.1	17.0	17.1	22.2	22.0	22.2
17	12.3	11.9	12.1	15.0	14.5	14.7	17.5	17.1	17.4	22.2	22.1	22.2
18	12.5	12.3	12.4	15.4	14.9	15.3	17.8	17.5	17.7	22.2	22.1	22.2
19	12.3	12.0	12.1	15.7	15.5	15.6	17.8	17.6	17.8	22.5	22.2	22.4
20	12.2	12.0	12.1	16.2	15.6	16.0	18.1	17.8	18.0	22.6	22.5	22.6
21	12.4	12.2	12.3	16.6	16.2	16.5	18.5	18.1	18.3	22.8	22.6	22.8
22	12.5	12.2	12.4	16.8	16.6	16.8	18.6	18.5	18.6	23.3	22.7	23.0
23	12.2	12.0	12.1	16.9	16.7	16.8	18.5	18.2	18.4	23.3	22.8	23.2
24	12.4	12.1	12.3	16.7	16.5	16.6	18.4	18.1	18.3	23.4	23.3	23.4
25	12.6	12.4	12.6	16.4	16.0	16.3	18.5	18.3	18.5	23.5	23.4	23.4
26	12.6	11.8	12.3	18.1	16.3	16.8	18.6	18.4	18.5	23.7	23.5	23.7
27	11.7	10.9	11.2	16.8	16.2	16.5	19.0	18.6	18.8	23.9	23.7	23.8
28	10.9	10.5	10.7	16.2	15.5	15.9	19.2	19.0	19.2	23.9	23.7	23.9
29	---	---	---	15.5	15.2	15.3	19.3	19.0	19.2	24.1	23.9	24.1
30	---	---	---	15.6	15.3	15.4	19.2	19.0	19.2	24.4	24.1	24.4
31	---	---	---	15.9	15.6	15.8	---	---	---	24.6	24.4	24.6

COOPER RIVER BASIN

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02172025 COOPER RIVER AT INLET TO BACK RIVER NEAR KITTREDGE, S.C.

LOCATION.--Lat 33°05'05", long 79°56'47", Berkeley County, Hydrologic Unit 03050201, on right bank at mouth of Durham Canal, 1.3 mi (2.1 km) downstream of Seaboard Coast Line Railroad bridge and at mile 33.2 (53.1 km).

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to current year.

INSTRUMENTATION.--USGS mini-monitor since October 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 420 micromhos May 18, 1982; minimum, 55 micromhos Jan. 26, 1981.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 420 micromhos May 18; minimum, 62 micromhos May 3.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	170	130	148	170	150	161	170	150	167	170	150	162
2	170	140	156	170	110	161	170	160	164	170	150	160
3	160	140	146	170	140	155	170	140	161	160	150	158
4	160	140	151	160	140	156	170	140	159	160	80	149
5	160	140	150	170	150	160	170	140	157	160	100	151
6	160	140	150	170	140	165	170	150	160	150	140	144
7	160	140	150	170	140	157	170	130	159	150	140	145
8	160	140	149	170	100	157	170	110	159	160	140	148
9	160	140	150	180	140	160	160	140	156	160	140	149
10	160	150	156	220	160	180	160	150	156	160	150	151
11	170	150	158	300	170	222	160	150	158	160	150	152
12	180	150	160	280	200	237	160	150	156	160	150	152
13	200	160	184	270	170	217	160	150	154	160	150	154
14	230	180	212	340	190	238	160	150	157	160	150	156
15	290	200	226	420	230	281	160	150	159	170	150	160
16	230	200	210	350	250	287	170	150	161	170	150	159
17	210	140	202	270	210	242	170	150	160	160	150	158
18	200	180	194	230	200	215	160	140	154	170	130	158
19	200	180	189	210	180	192	160	150	153	160	150	159
20	200	180	188	200	150	183	160	150	153	160	120	143
21	190	160	175	180	150	165	160	150	152	160	130	142
22	190	140	169	180	140	163	160	120	154	170	150	159
23	170	160	165	170	140	155	160	150	152	180	160	170
24	180	160	172	180	140	166	160	140	150	190	180	183
25	180	170	179	180	160	164	160	150	151	200	190	196
26	190	170	179	170	150	158	160	150	154	210	200	204
27	190	180	184	180	140	158	160	150	157	220	210	214
28	190	120	155	180	150	163	160	150	153	230	220	222
29	200	160	180	170	140	161	160	150	155	240	110	229
30	190	110	177	180	160	168	170	150	161	250	230	239
31	180	130	155	---	---	---	170	160	163	260	170	245

02172025 COOPER RIVER AT INLET TO BACK RIVER NEAR KITTREDGE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	280	250	263	280	210	273	222	192	209	106	76	97
2	280	270	277	280	260	266	217	147	208	114	94	106
3	290	280	285	280	260	270	223	143	212	142	62	118
4	300	100	286	270	210	257	219	219	219	160	130	135
5	290	240	287	260	130	250	214	144	205	153	133	145
6	300	280	292	260	250	255	210	120	183	147	107	127
7	310	220	298	260	160	247	215	165	204	140	130	132
8	310	240	306	250	200	242	211	171	202	133	123	128
9	320	180	303	---	---	---	206	186	200	137	117	130
10	320	250	312	---	---	---	192	182	191	140	80	128
11	330	300	318	---	---	---	188	138	181	144	124	134
12	330	80	309	110	70	105	183	173	178	144	127	134
13	330	310	320	116	76	107	179	149	164	180	130	155
14	330	80	318	121	81	114	144	124	142	250	190	219
15	320	260	310	127	67	120	170	140	155	310	260	285
16	320	310	316	292	112	124	240	180	204	360	320	340
17	320	170	313	138	88	113	250	200	224	400	360	378
18	330	230	318	134	124	125	200	160	174	420	390	400
19	320	300	318	129	99	121	180	160	167	410	400	408
20	320	180	315	135	115	123	170	150	159	410	400	404
21	320	180	312	160	110	141	160	150	152	400	240	340
22	320	240	315	176	126	162	150	100	145	300	270	287
23	320	130	311	191	141	177	150	80	138	310	290	301
24	320	270	310	197	177	188	150	130	142	310	300	302
25	310	100	306	203	183	192	128	108	126	300	290	298
26	310	290	303	218	108	192	126	106	114	300	290	294
27	300	180	288	214	204	209	124	94	113	300	280	290
28	290	210	276	219	199	209	122	112	119	290	280	282
29	---	---	---	215	205	208	120	80	105	280	260	269
30	---	---	---	211	141	207	118	68	100	260	250	253
31	---	---	---	216	156	205	---	---	---	250	240	241
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	240	230	230	280	70	186	240	90	178	---	---	---
2	220	210	218	260	90	175	120	100	109	77	71	72
3	210	200	206	240	80	170	120	90	108	80	72	74
4	190	170	183	230	120	187	120	100	108	77	71	73
5	180	160	170	220	180	206	120	100	110	76	71	73
6	170	150	160	230	190	212	120	100	110	77	73	74
7	160	150	152	230	200	227	---	---	---	79	73	75
8	150	140	140	240	170	219	---	---	---	80	74	76
9	130	100	115	170	120	134	---	---	---	80	74	76
10	140	110	126	150	110	122	---	---	---	82	75	76
11	190	140	169	160	100	122	---	---	---	78	74	76
12	190	170	182	160	70	119	---	---	---	78	73	74
13	220	180	201	150	80	128	---	---	---	77	73	74
14	250	220	233	160	80	119	---	---	---	80	73	75
15	270	250	257	130	70	99	---	---	---	79	74	75
16	290	260	274	180	100	142	---	---	---	77	73	74
17	300	280	288	180	90	132	---	---	---	77	74	74
18	300	290	297	190	90	140	---	---	---	78	75	76
19	310	290	299	180	110	150	---	---	---	80	76	77
20	310	280	301	190	120	144	---	---	---	81	78	79
21	310	300	301	200	100	160	---	---	---	83	78	80
22	300	160	276	200	130	173	---	---	---	82	78	80
23	300	140	282	190	120	165	---	---	---	80	76	79
24	390	290	300	180	150	161	---	---	---	82	78	80
25	300	290	297	190	90	128	---	---	---	82	77	80
26	300	210	284	210	140	177	---	---	---	84	78	81
27	310	290	299	150	110	181	---	---	---	89	81	84
28	310	120	287	230	110	189	---	---	---	90	82	85
29	310	300	303	280	120	239	---	---	---	87	84	75
30	300	100	254	330	280	304	---	---	---	102	80	87
31	---	---	---	340	230	284	---	---	---	---	---	---
YEAR	420	62	185									

COOPER RIVER BASIN

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02172030 COOPER RIVER AT RICE MILL NEAR KITTREDGE, S.C.

LOCATION.--Lat 33°04'30", long 79°59'31", Berkeley County, Hydrologic Unit 03050201, on left bank 2.4 mi (3.8 km) downstream from Seaboard Coast Line Railroad bridge and at mile 32.1 (51.4 km).

PERIOD OF RECORD.--October 1981 to September 1982.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to current year.

INSTRUMENTATION.--USGS mini-monitor since 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 150 micromhos several days Nov., Dec., 1981, Jan. 1982; minimum, 60 micromhos Dec. 3-5, 1980.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 150 micromhos several days Nov., Dec., Jan.; minimum, 80 micromhos several days Mar., May, June, July.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	140	130	135	150	130	139	140	130	135
2	---	---	---	140	130	133	140	130	136	140	130	137
3	---	---	---	140	130	133	150	130	142	140	130	136
4	---	---	---	140	130	134	150	130	142	140	130	133
5	---	---	---	140	130	135	150	140	144	140	130	135
6	---	---	---	140	130	134	150	140	143	140	120	133
7	---	---	---	140	130	137	150	130	141	140	120	130
8	---	---	---	150	130	138	140	130	136	140	120	131
9	---	---	---	140	130	136	150	130	141	140	120	133
10	---	---	---	140	130	137	150	140	141	140	120	137
11	---	---	---	140	130	137	150	130	141	150	130	138
12	---	---	---	150	130	141	150	140	143	140	130	134
13	---	---	---	150	140	143	150	130	139	140	130	134
14	---	---	---	150	140	143	140	130	137	140	130	135
15	---	---	---	150	130	142	140	130	137	140	120	133
16	---	---	---	150	130	140	150	130	140	140	130	132
17	---	---	---	150	140	141	150	130	139	140	130	132
18	---	---	---	150	130	141	140	130	138	140	120	133
19	---	---	---	150	130	142	150	140	142	130	120	127
20	---	---	---	150	130	138	150	140	143	130	120	127
21	---	---	---	150	140	143	150	130	140	130	120	128
22	---	---	---	150	130	143	140	130	136	140	120	130
23	---	---	---	150	130	142	140	130	133	130	120	127
24	---	---	---	150	130	140	140	130	134	130	120	128
25	---	---	---	150	130	140	140	130	139	130	120	128
26	---	---	---	150	130	139	140	130	139	130	120	129
27	---	---	---	140	130	137	140	130	139	140	120	129
28	140	130	135	140	130	135	140	130	138	130	110	125
29	140	130	136	150	130	140	140	130	136	130	110	124
30	140	130	135	150	140	141	140	130	136	130	110	121
31	140	130	135	---	---	---	140	130	135	130	110	118

02172030 COOPER RIVER AT RICE MILL NEAR KITTREDGE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	130	110	119	110	100	102	100	80	91	100	90	92
2	130	110	119	110	90	101	100	80	90	100	80	90
3	120	110	116	110	90	100	100	90	91	100	80	87
4	120	110	114	100	90	98	100	80	93	100	80	88
5	120	110	114	100	90	97	100	90	95	90	80	87
6	120	110	112	100	90	97	100	80	94	90	80	88
7	120	100	113	100	90	99	100	90	98	90	80	87
8	120	100	109	110	90	100	100	90	98	90	80	88
9	120	100	108	110	90	99	100	90	94	100	80	87
10	120	100	109	100	90	96	100	90	95	100	80	90
11	120	100	110	100	90	93	100	90	96	100	80	89
12	120	100	109	100	80	91	100	80	94	100	80	90
13	120	100	109	100	80	90	100	90	95	90	80	87
14	120	100	108	100	80	91	100	80	89	100	80	90
15	110	100	105	100	80	90	100	90	92	100	80	90
16	110	100	103	100	80	94	100	90	92	100	80	90
17	110	100	104	100	80	92	100	90	92	100	80	91
18	110	100	107	100	80	92	100	90	92	100	80	91
19	110	100	105	100	80	90	100	90	94	100	80	92
20	110	100	104	100	80	90	100	90	93	100	90	92
21	110	100	103	90	80	88	100	90	94	100	80	91
22	110	100	104	100	90	90	100	90	93	100	90	92
23	110	90	102	100	80	91	100	90	94	100	80	91
24	110	90	101	100	90	96	100	90	94	100	90	94
25	110	90	100	100	80	91	100	80	93	100	80	91
26	110	100	107	100	80	91	100	90	95	100	90	91
27	110	100	103	100	80	93	100	90	91	100	90	92
28	110	100	105	100	90	96	100	90	92	100	80	90
29	---	---	---	100	80	90	100	90	94	90	80	86
30	---	---	---	100	80	94	100	90	91	100	80	90
31	---	---	---	100	90	93	---	---	---	100	80	89
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	100	80	90	100	80	90	---	---	---	95	94	94
2	100	80	89	100	90	91	---	---	---	95	94	94
3	100	90	93	100	80	90	---	---	---	95	90	94
4	100	90	90	100	80	88	---	---	---	95	90	94
5	100	80	90	100	90	92	---	---	---	95	94	94
6	100	80	92	100	80	92	---	---	---	95	94	94
7	100	90	91	100	80	91	---	---	---	95	94	94
8	100	80	91	100	90	91	---	---	---	95	94	94
9	100	80	89	100	90	90	---	---	---	95	94	94
10	100	80	90	100	90	91	---	---	---	95	94	94
11	100	90	90	100	90	92	---	---	---	95	94	94
12	100	90	91	100	90	92	---	---	---	95	94	94
13	100	90	95	100	90	92	---	---	---	95	91	94
14	100	90	94	100	90	91	---	---	---	95	91	94
15	100	90	91	100	90	95	---	---	---	95	94	94
16	100	90	94	100	90	96	---	---	---	95	94	94
17	100	90	94	100	90	95	---	---	---	95	94	94
18	100	90	97	100	90	97	---	---	---	95	94	94
19	100	90	91	100	90	95	---	---	---	95	90	94
20	100	80	89	100	90	92	---	---	---	95	90	94
21	100	80	90	100	90	95	---	---	---	95	90	94
22	100	80	90	100	90	93	---	---	---	98	90	96
23	100	80	90	100	90	95	---	---	---	98	97	97
24	100	80	90	100	90	96	---	---	---	98	97	97
25	100	80	90	100	90	96	---	---	---	98	97	97
26	100	80	90	100	90	95	---	---	---	99	97	97
27	100	90	91	100	90	95	---	---	---	98	95	97
28	100	80	90	100	90	95	---	---	---	98	95	96
29	100	80	91	100	90	95	---	---	---	98	94	96
30	90	80	89	---	---	---	95	94	94	97	94	95
31	---	---	---	---	---	---	95	94	94	---	---	---
YEAR	150	80	107									

COOPER RIVER BASIN

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02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, S.C.

LOCATION.--Lat 33°21'54", long 79°57'27", Berkeley County, Hydrologic Unit 03050201, on left bank of Durham Canal 0.5 m (0.8 km) upstream of secondary road 9.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to current year.

pH: February 1981 to current year.

WATER TEMPERATURE: February 1981 to current year.

DISSOLVED OXYGEN: February 1981 to current year.

INSTRUMENTATION.--USGS mini-monitor October 1980 to February 1981. USGS water quality monitor since February 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 311 micromhos Nov. 15, 1981; minimum, 59 micromhos June 20, 1982.

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

WATER TEMPERATURE: Maximum, 31.0°C several days July 1981; minimum, 5.5°C Jan. 18, 1982.

DISSOLVED OXYGEN: Maximum, 12.4 (mg/L) Jan. 18, 1982; minimum, 0.9 (mg/L) June 29-30, 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 311 micromhos Nov. 15; minimum, 59 micromhos June 20.

pH: Maximum, 8.8 units Oct. 3-4; minimum, 5.7 units June 20.

WATER TEMPERATURE: Maximum, 30.2°C July 27; minimum, 5.5°C Jan. 18.

DISSOLVED OXYGEN: Maximum, 12.4 (mg/L) Jan. 18; minimum, 0.9 (mg/L) June 29-30.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	155	129	139	153	130	138	130	115	120	120	95	110
2	162	127	142	157	130	139	---	---	---	131	86	111
3	162	128	137	163	130	141	---	---	---	112	84	100
4	153	127	135	164	129	141	156	115	124	106	76	95
5	158	127	137	164	130	141	167	114	133	131	75	112
6	162	127	137	163	130	140	135	114	120	118	82	99
7	157	126	136	157	131	141	134	114	122	101	74	93
8	144	126	131	149	133	141	142	114	124	118	81	103
9	147	128	133	162	135	147	147	113	123	104	98	102
10	141	128	134	205	137	160	127	111	115	129	97	110
11	151	128	136	282	145	186	122	110	113	116	104	106
12	163	131	141	243	153	190	119	110	113	106	104	105
13	200	138	157	215	146	176	125	112	118	---	---	---
14	230	147	181	231	145	172	131	113	120	---	---	---
15	217	149	171	311	147	187	141	115	125	---	---	---
16	182	148	163	255	153	182	167	118	135	103	101	102
17	175	141	153	164	131	151	139	112	118	103	98	101
18	175	137	153	159	123	141	140	112	120	102	100	101
19	164	135	150	156	117	133	143	111	122	101	99	100
20	160	134	146	164	117	135	147	111	123	100	99	99
21	158	133	143	166	114	135	151	111	121	101	99	100
22	160	133	144	128	112	117	147	111	123	104	97	99
23	156	133	143	150	113	123	152	112	124	103	96	98
24	151	133	142	141	113	122	156	111	125	122	94	104
25	153	135	143	153	114	127	144	110	118	127	90	103
26	155	133	144	140	114	122	129	109	114	116	89	99
27	151	127	142	145	114	127	121	109	113	116	82	90
28	155	127	140	153	116	132	130	109	116	105	82	89
29	158	129	138	155	117	127	131	108	117	111	84	94
30	149	130	136	146	116	124	133	108	117	109	82	92
31	149	130	136	---	---	---	118	103	108	108	78	89

02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	123	75	99	97	70	78	142	78	103	78	71	73
2	101	74	81	105	70	80	144	75	95	94	72	80
3	115	74	86	115	71	91	134	75	95	108	73	88
4	118	75	87	118	69	77	148	75	106	108	73	86
5	116	72	83	85	69	74	137	72	86	112	73	87
6	104	72	81	104	70	81	96	72	78	112	74	86
7	106	72	83	98	69	77	114	72	86	121	74	92
8	97	71	79	113	70	88	89	71	75	120	74	89
9	99	70	80	100	69	78	92	71	76	105	73	82
10	106	72	87	94	69	77	106	72	88	96	74	79
11	105	72	83	105	70	82	111	73	87	107	74	84
12	105	72	84	106	70	83	123	74	97	112	74	85
13	124	71	95	112	70	84	133	74	101	123	76	96
14	123	78	103	123	72	95	127	75	93	122	75	92
15	122	74	99	118	70	85	90	72	76	121	75	87
16	124	73	100	117	70	84	117	71	83	103	75	81
17	128	73	93	133	71	99	123	74	93	118	76	90
18	124	72	86	139	70	95	127	75	90	122	76	96
19	103	72	81	129	70	90	95	74	80	---	---	---
20	98	72	78	131	70	92	106	74	83	---	---	---
21	87	72	77	120	70	82	105	73	82	117	79	96
22	96	73	79	103	70	80	105	73	84	110	79	88
23	89	72	76	94	70	76	88	72	76	112	77	87
24	93	72	80	75	70	71	86	72	75	200	78	91
25	102	72	83	76	70	72	97	73	81	---	---	---
26	79	71	74	84	70	74	101	71	80	107	79	90
27	82	71	74	90	69	79	101	73	85	99	77	84
28	99	72	83	97	70	80	100	71	84	92	76	81
29	---	---	---	92	69	74	99	68	73	96	77	84
30	---	---	---	113	70	89	76	70	71	103	78	86
31	---	---	---	133	78	105	---	---	---	108	79	89
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	101	78	85	111	89	96	100	93	95	111	98	103
2	111	79	91	108	89	94	98	95	96	111	98	103
3	103	78	85	108	89	96	99	95	97	116	99	105
4	98	78	83	119	90	101	99	95	97	114	97	104
5	100	78	84	108	90	97	96	95	95	107	98	101
6	107	78	85	102	90	93	97	94	95	108	99	102
7	96	77	82	107	90	96	96	94	95	110	99	104
8	104	78	85	111	91	98	96	94	95	110	99	103
9	101	79	84	116	91	100	97	94	95	111	100	104
10	93	79	82	116	92	100	100	94	96	112	100	104
11	104	79	87	120	91	102	99	95	96	113	101	104
12	92	79	82	122	91	103	99	94	96	114	98	105
13	106	79	86	120	92	101	98	94	96	114	99	104
14	113	87	96	113	93	99	98	94	96	112	98	103
15	110	86	90	104	91	95	98	94	96	112	98	103
16	98	86	89	107	91	96	99	94	96	110	98	102
17	107	85	92	106	92	97	102	95	97	111	98	102
18	102	84	91	106	93	98	103	95	98	111	99	103
19	90	79	85	108	92	98	104	96	98	115	100	105
20	95	59	80	97	81	91	108	96	101	118	100	107
21	100	66	82	90	73	86	112	96	102	120	100	108
22	100	79	91	90	84	87	113	96	100	122	101	108
23	---	---	---	91	86	89	109	95	100	123	101	108
24	86	78	83	94	87	91	116	96	104	117	100	105
25	85	73	81	95	92	92	123	96	105	117	99	104
26	85	72	80	93	91	92	124	97	107	112	97	103
27	92	82	87	94	91	92	108	97	100	120	98	109
28	106	88	95	97	92	93	116	98	105	121	97	105
29	123	90	104	100	93	95	116	97	104	109	95	100
30	125	90	105	97	93	94	109	99	102	110	96	101
31	---	---	---	99	93	94	111	98	103	---	---	---
YEAR	311	59	104									

COOPER RIVER BASIN

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02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, S.C.--Continued

pH UNITS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY	
1	8.7	6.8	8.4	7.1	7.5	7.1	7.3	6.4
2	8.1	6.9	8.4	7.1	---	---	7.4	6.2
3	8.8	7.0	8.4	7.0	---	---	7.4	6.5
4	8.8	7.0	8.0	7.0	7.5	7.0	7.2	6.1
5	8.5	7.0	7.7	7.0	7.6	7.0	7.0	6.1
6	8.1	7.0	7.6	7.0	7.7	7.2	7.4	6.3
7	7.8	7.0	7.9	7.1	7.9	7.2	7.2	6.3
8	7.9	7.1	8.2	7.2	7.8	7.2	7.5	6.2
9	7.9	7.0	8.1	7.1	7.9	7.2	7.5	6.5
10	7.8	7.1	8.0	7.1	7.9	7.4	7.5	6.6
11	7.8	7.1	8.0	7.2	7.9	7.4	7.7	6.7
12	8.3	7.1	8.1	7.3	7.7	7.3	8.0	7.1
13	8.7	7.2	8.2	7.4	7.7	7.3	---	---
14	8.8	7.4	8.1	7.1	7.6	7.2	---	---
15	8.7	7.2	8.0	6.9	7.5	7.1	---	---
16	8.5	7.0	7.9	6.9	7.6	7.1	7.9	7.3
17	8.3	7.0	7.7	6.9	7.8	7.2	8.0	7.2
18	8.2	6.9	7.7	6.9	7.8	7.1	8.1	7.4
19	8.0	7.0	7.7	6.9	7.9	7.2	7.7	7.2
20	8.0	7.1	7.6	6.9	7.9	7.2	7.6	7.1
21	8.0	7.1	7.8	6.9	7.9	7.2	7.5	7.1
22	8.0	7.1	7.9	7.2	7.8	7.2	7.4	7.0
23	8.0	7.1	7.8	7.0	7.7	7.2	7.5	7.1
24	7.9	7.1	7.8	7.1	7.6	7.1	7.5	7.1
25	7.7	7.4	7.8	7.0	7.6	7.1	7.6	7.1
26	7.8	7.1	7.9	7.1	7.5	7.1	7.6	7.2
27	7.9	7.0	7.8	7.0	7.5	7.1	7.6	7.2
28	7.8	7.0	7.9	7.0	7.5	7.0	7.5	7.2
29	8.4	7.0	8.3	7.0	7.5	6.9	7.6	7.1
30	8.2	7.1	7.9	7.0	7.6	6.8	7.4	7.1
31	8.3	7.2	---	---	7.5	6.9	7.4	7.1
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	FEBRUARY		MARCH		APRIL		MAY	
1	7.4	7.0	7.4	6.9	6.6	6.3	6.5	5.8
2	7.3	7.0	7.5	6.9	6.6	6.2	6.5	5.9
3	7.2	7.0	7.3	6.9	6.6	6.3	6.7	5.9
4	7.4	6.9	7.4	6.9	6.6	6.3	6.7	6.0
5	7.2	6.9	7.2	7.0	6.6	6.3	6.6	6.0
6	7.1	6.9	7.1	6.9	6.7	6.4	6.6	6.0
7	7.2	6.8	7.1	6.8	6.8	6.3	6.6	6.0
8	7.2	6.9	7.3	6.8	6.7	6.4	6.7	6.0
9	7.1	6.9	7.3	6.9	6.6	6.4	6.9	6.1
10	7.2	6.8	7.2	6.9	6.6	6.3	7.1	6.1
11	7.1	6.8	7.2	6.9	6.7	6.3	7.0	6.1
12	7.2	6.8	7.2	6.8	6.6	6.3	6.9	6.1
13	7.1	6.7	7.2	6.8	6.7	6.3	6.6	6.0
14	7.0	6.5	7.3	6.7	6.6	6.3	6.7	6.0
15	7.0	6.6	7.3	6.8	6.8	6.4	6.8	6.1
16	7.0	6.6	7.3	6.8	6.6	6.3	6.8	6.3
17	7.1	6.5	7.1	6.7	6.6	6.3	6.7	6.2
18	7.1	6.6	7.4	6.7	6.6	6.3	6.6	6.2
19	7.1	6.6	7.2	6.7	6.7	6.4	---	---
20	7.2	6.6	7.3	6.7	6.6	6.3	---	---
21	7.2	6.7	7.2	6.7	6.6	6.3	6.7	6.2
22	7.3	6.7	7.2	6.7	6.6	6.2	6.7	6.3
23	7.3	6.9	7.1	6.8	6.8	6.3	6.7	6.3
24	7.2	6.8	7.0	6.9	6.7	6.3	6.7	6.3
25	7.3	6.7	7.1	6.8	6.7	6.2	---	---
26	7.2	7.0	7.1	6.7	6.5	6.1	6.5	6.1
27	7.2	6.9	6.9	6.2	6.3	5.9	6.5	6.1
28	7.2	6.8	6.9	6.2	6.3	5.8	6.6	6.0
29	---	---	7.0	6.3	6.6	5.9	6.6	6.0
30	---	---	6.6	6.3	6.5	5.9	6.6	6.0
31	---	---	6.5	6.3	---	---	6.5	6.0

02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, S.C.--Continued

PH UNITS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	JUNE		JULY		AUGUST		SEPTEMBER	
1	6.5	6.1	6.6	6.1	6.7	6.3	6.8	6.3
2	6.5	6.1	6.7	6.1	6.8	6.4	6.9	6.3
3	6.6	6.1	6.7	6.1	7.0	6.5	7.0	6.3
4	6.6	6.1	6.6	6.1	7.0	6.6	7.0	6.2
5	6.6	6.1	6.8	6.2	6.9	6.4	6.9	6.3
6	6.7	6.1	6.8	6.2	6.8	6.3	7.1	6.3
7	7.1	6.2	6.8	6.1	6.8	6.3	7.2	6.2
8	6.9	6.1	6.7	6.1	6.8	6.3	7.3	6.3
9	6.8	6.1	6.7	6.1	6.7	6.3	7.1	6.3
10	6.7	6.2	6.7	6.1	6.8	6.3	6.9	6.2
11	6.7	6.1	6.9	6.1	6.9	6.4	6.8	6.3
12	6.8	6.2	6.8	6.1	6.8	6.4	6.8	6.2
13	6.6	6.1	6.8	6.1	6.8	6.4	6.9	6.2
14	6.9	6.1	6.8	6.2	6.8	6.3	6.9	6.3
15	7.1	6.2	6.8	6.2	6.8	6.2	7.0	6.3
16	7.0	6.2	6.7	6.1	6.7	6.2	7.0	6.3
17	6.8	6.2	6.6	6.1	6.7	6.2	7.1	6.3
18	6.7	6.2	6.4	6.1	6.7	6.1	7.1	6.3
19	6.7	5.9	6.6	6.1	6.7	6.2	7.1	6.3
20	6.6	5.7	6.6	5.9	6.6	6.1	6.9	6.2
21	6.5	5.8	6.7	5.9	6.8	6.1	6.8	6.3
22	6.6	6.0	6.7	6.0	7.0	6.1	6.8	6.2
23	---	---	6.7	6.0	7.0	6.2	7.0	6.3
24	6.4	5.9	6.5	5.9	6.8	6.2	7.2	6.3
25	6.7	6.0	6.7	6.1	6.8	6.2	7.3	6.3
26	6.5	5.9	6.8	6.2	6.9	6.2	7.0	6.3
27	6.6	6.0	6.8	6.2	6.9	6.3	6.7	6.2
28	6.5	6.0	6.7	6.2	6.7	6.3	6.9	6.3
29	6.4	6.0	6.6	6.1	6.9	6.3	7.4	6.4
30	6.5	6.1	6.8	6.3	7.0	6.4	7.4	6.3
31	---	---	6.7	6.2	6.9	6.3	---	---
YEAR	8.8	5.7	---	---	---	---	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.2	24.8	25.7	18.5	17.8	18.1	14.7	14.1	14.4	10.3	9.3	9.7
2	25.6	24.6	25.3	18.8	17.9	18.3	---	---	---	10.1	9.5	9.9
3	24.2	23.0	23.6	19.4	18.2	18.8	---	---	---	10.1	9.1	9.5
4	23.4	22.2	22.8	19.6	18.6	19.1	14.2	13.6	13.8	11.7	9.4	10.6
5	23.5	22.0	22.8	19.3	19.0	19.1	13.5	12.7	13.1	11.2	10.1	10.8
6	23.9	22.5	23.2	19.5	18.8	19.0	12.6	12.1	12.3	10.7	9.0	10.0
7	23.4	22.8	23.2	18.6	17.8	18.2	12.6	11.7	12.1	11.6	9.5	10.7
8	22.7	21.7	22.3	18.0	17.1	17.6	12.5	11.6	12.2	12.0	10.0	11.0
9	21.8	21.2	21.5	18.1	17.1	17.6	12.0	11.5	11.8	11.0	9.4	10.1
10	21.6	20.7	21.2	18.1	17.6	17.9	11.5	10.1	10.7	9.8	8.3	9.2
11	20.8	20.2	20.6	17.8	17.3	17.6	10.1	9.6	9.9	8.0	7.1	7.5
12	20.6	19.8	20.2	17.2	16.2	16.7	9.6	8.7	9.1	7.2	6.2	6.7
13	20.0	19.2	19.7	16.0	15.0	15.4	9.0	7.8	8.5	---	---	---
14	20.1	19.0	19.6	15.0	13.2	14.1	9.2	8.2	8.8	---	---	---
15	20.3	18.9	19.7	15.1	13.2	14.1	10.1	8.9	9.5	---	---	---
16	20.5	18.7	19.7	15.0	13.7	14.4	10.0	9.1	9.5	6.5	6.1	6.4
17	20.8	19.0	20.0	15.3	14.0	14.6	9.5	9.0	9.3	6.6	5.8	6.2
18	20.9	19.4	20.2	15.4	13.9	14.6	9.7	9.3	9.5	6.8	5.5	6.1
19	20.4	19.3	19.9	15.6	14.0	14.8	9.3	8.1	8.7	6.9	6.0	6.4
20	19.4	18.6	19.0	15.7	14.2	15.2	8.3	7.3	8.0	7.7	6.5	7.1
21	19.2	18.3	18.7	14.6	13.9	14.3	8.3	7.0	7.7	8.1	6.7	7.5
22	19.6	18.4	19.0	14.2	13.7	13.9	8.9	7.4	8.3	8.6	6.9	7.4
23	20.2	19.0	19.6	14.0	12.9	13.5	10.5	8.7	9.6	8.8	6.8	7.7
24	20.1	18.7	19.4	14.3	13.2	13.8	10.6	9.4	10.0	9.7	7.2	8.6
25	18.6	17.8	18.1	13.9	12.6	13.5	10.8	9.1	9.7	9.2	7.1	7.9
26	18.9	17.7	18.2	14.1	12.8	13.6	9.6	8.9	9.1	8.1	6.7	7.6
27	20.1	18.9	19.4	14.8	13.2	14.1	9.0	8.9	9.0	7.1	6.3	6.7
28	20.0	18.8	19.3	15.5	14.2	14.8	9.3	8.9	9.1	7.3	6.2	6.8
29	19.7	19.0	19.3	15.4	14.3	14.9	9.8	9.2	9.5	7.7	6.8	7.2
30	19.2	18.4	18.8	15.0	14.4	14.7	9.5	8.9	9.2	8.0	6.8	7.3
31	18.6	17.8	18.2	---	---	---	9.5	8.6	8.9	10.2	6.8	8.2

165'

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.3	8.4	9.7	10.1	9.5	9.8	17.5	15.5	16.5	20.0	18.3	19.2
2	9.3	7.8	8.2	11.0	9.0	9.9	18.5	16.6	17.4	20.6	18.9	19.8
3	10.6	7.8	8.9	11.2	9.8	10.5	18.9	17.0	17.9	21.4	19.1	20.2
4	11.2	8.3	9.6	11.7	10.3	11.0	19.2	16.1	17.6	22.0	19.2	20.5
5	11.7	8.7	9.5	12.7	10.6	11.6	18.0	16.0	16.6	22.5	19.7	20.8
6	11.0	8.5	9.5	13.5	11.1	12.1	17.3	16.0	16.5	22.7	19.7	20.9
7	11.1	8.9	9.9	13.2	11.0	12.0	16.6	15.4	16.1	22.9	20.1	21.3
8	10.5	9.0	9.7	13.3	10.7	12.1	16.0	15.0	15.6	23.0	20.6	21.4
9	11.1	9.3	10.2	13.1	11.1	11.9	16.1	14.8	15.5	22.6	20.8	21.4
10	12.6	10.0	11.1	13.7	11.4	12.3	16.0	15.2	15.7	22.7	21.1	21.8
11	11.8	9.7	10.5	15.1	11.9	13.1	16.4	15.3	15.8	23.3	21.7	22.4
12	11.1	9.3	10.0	15.8	12.2	13.5	16.9	15.5	16.2	23.8	21.9	22.6
13	11.2	9.0	10.3	16.9	12.5	14.1	18.0	16.4	17.1	24.4	21.8	23.0
14	11.3	9.6	10.6	17.6	13.4	15.5	18.8	17.3	17.9	24.6	22.2	23.1
15	12.5	9.9	11.2	17.8	13.6	15.1	18.3	17.3	17.8	24.5	22.6	23.3
16	14.4	10.3	12.4	17.6	13.3	14.7	20.1	16.9	18.2	24.5	22.9	23.4
17	15.1	11.0	13.0	18.2	14.2	16.2	20.9	17.8	19.2	24.9	22.4	23.4
18	15.4	10.9	12.3	18.2	14.9	16.4	21.0	18.6	19.5	25.4	22.5	23.8
19	13.5	10.9	12.1	17.9	14.3	16.2	19.7	17.7	18.6	---	---	---
20	13.0	11.0	12.1	19.5	15.1	17.2	19.7	18.1	18.8	---	---	---
21	13.1	11.1	12.1	19.3	15.6	17.1	20.5	17.7	19.0	26.0	24.4	25.2
22	12.7	11.3	12.0	19.0	16.0	17.3	20.0	18.1	19.1	26.2	24.3	24.8
23	12.5	11.2	11.8	18.1	16.0	16.9	18.7	17.5	18.1	26.4	24.0	24.8
24	13.5	11.5	12.3	16.3	15.4	16.0	19.3	17.8	18.5	25.2	24.4	24.7
25	13.1	11.6	12.5	16.9	15.2	15.9	19.0	18.5	18.8	---	---	---
26	11.5	9.9	10.7	17.6	16.3	16.8	19.6	18.4	18.8	25.7	24.8	25.2
27	10.5	9.7	10.0	16.6	16.1	16.4	20.6	18.2	19.3	25.4	24.6	24.9
28	10.3	9.5	9.8	15.8	14.9	15.3	20.5	19.0	19.7	25.5	24.0	24.7
29	---	---	---	16.1	14.6	15.2	20.0	18.4	19.3	26.3	24.7	25.5
30	---	---	---	16.4	15.0	15.5	19.5	18.1	18.9	27.3	25.4	26.1
31	---	---	---	16.3	15.5	15.9	---	---	---	27.1	25.4	26.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE												
1	26.6	25.1	25.8	28.5	27.8	28.2	29.4	28.9	29.1	28.4	27.5	27.9
2	27.8	25.6	26.5	28.7	27.9	28.4	29.8	28.5	29.1	28.5	27.6	28.0
3	28.3	26.3	26.9	29.0	27.9	28.5	30.0	28.8	29.5	28.9	27.9	28.4
4	27.5	26.0	26.6	29.5	28.2	28.7	30.1	29.0	29.6	28.6	27.0	27.8
5	28.0	26.1	26.8	29.4	28.4	28.8	29.8	29.3	29.5	27.4	26.3	27.1
6	27.9	26.8	27.2	28.7	28.2	28.5	29.5	28.7	29.1	27.3	26.2	26.8
7	27.8	26.8	27.3	28.5	28.1	28.3	29.0	28.6	28.9	27.3	26.0	26.8
8	28.1	27.1	27.6	28.4	27.9	28.2	29.1	28.4	28.7	27.0	26.1	26.7
9	28.5	27.4	27.9	28.5	27.9	28.3	29.0	28.6	28.9	26.5	25.8	26.2
10	28.5	27.5	28.1	28.7	28.1	28.5	29.0	28.1	28.6	26.0	25.5	25.8
11	28.4	26.9	27.7	29.0	28.2	28.7	29.4	28.6	29.0	26.1	25.5	25.7
12	28.2	27.0	27.8	29.0	28.5	28.8	29.4	28.8	29.1	26.5	25.5	25.9
13	27.9	26.8	27.2	29.2	28.6	28.9	29.2	28.6	29.0	26.7	25.7	26.3
14	27.8	26.5	27.3	29.2	28.8	29.0	28.9	28.3	28.6	27.0	26.1	26.5
15	27.5	26.7	27.2	28.8	28.2	28.5	28.9	28.3	28.6	27.4	26.3	26.8
16	28.2	26.7	27.5	28.4	28.0	28.2	29.0	28.1	28.6	27.6	26.5	26.9
17	27.8	26.7	27.4	28.7	28.0	28.3	29.0	28.2	28.6	27.4	26.6	27.0
18	26.9	25.6	26.4	28.2	27.9	28.1	28.7	28.0	28.3	27.4	26.7	27.1
19	26.7	24.0	25.0	28.7	27.7	28.2	28.0	27.5	27.8	27.1	26.6	27.0
20	27.0	24.2	25.5	28.8	27.2	28.0	28.3	27.4	27.9	27.1	26.5	26.9
21	27.0	25.6	26.4	29.1	27.6	28.3	28.5	27.4	28.0	26.7	26.2	26.6
22	27.0	26.4	26.8	29.4	28.2	28.8	28.9	27.7	28.4	26.1	25.8	26.0
23	---	---	---	28.9	28.2	28.5	28.9	28.2	28.6	25.7	25.0	25.4
24	27.3	26.3	26.6	28.7	27.8	28.3	29.1	28.4	28.7	25.6	24.5	25.1
25	27.5	26.3	26.8	29.5	28.4	28.9	29.4	28.6	29.0	25.3	24.4	24.9
26	27.3	26.0	26.6	29.8	28.9	29.2	29.2	28.7	29.0	24.8	23.6	24.2
27	27.1	26.3	26.8	30.2	29.1	29.4	29.2	28.6	28.9	24.1	22.8	23.4
28	27.3	26.3	26.8	29.8	29.1	29.5	29.6	28.7	29.0	24.3	23.2	23.8
29	27.9	26.8	27.3	29.7	29.1	29.4	29.7	28.1	28.6	24.6	23.5	24.1
30	28.2	27.0	27.7	29.9	29.1	29.5	28.3	27.6	28.0	24.2	23.6	24.0
31	---	---	---	29.8	29.1	29.5	28.1	27.3	27.8	---	---	---
YEAR	30.2	5.5	19.4									

COOPER RIVER BASIN

02172040 BACK RIVER AT DUPONT INTAKE NEAR KITTREDGE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	11.3	9.3	10.1	9.9	8.4	9.3	8.2	6.1	7.2	7.9	4.3	6.1
2	11.0	9.4	10.5	10.2	8.6	9.3	7.9	5.9	7.3	7.7	3.8	5.4
3	10.7	9.0	10.1	9.9	8.7	9.1	8.2	6.1	7.3	7.8	3.6	5.5
4	11.0	8.9	10.1	9.9	8.6	9.4	8.0	5.9	7.1	7.9	3.5	6.0
5	10.7	8.7	10.1	9.5	9.0	9.3	7.8	6.0	7.3	7.6	3.8	6.0
6	10.5	8.7	9.9	9.4	8.4	8.9	8.0	6.9	7.5	7.5	3.8	6.1
7	10.6	8.4	9.9	9.3	7.8	8.8	8.4	6.4	7.7	7.4	3.6	5.7
8	10.5	8.9	10.1	9.7	7.5	8.7	8.2	7.2	7.8	7.6	3.8	6.1
9	10.4	8.6	9.8	9.8	8.0	9.3	8.0	7.0	7.5	7.9	4.9	6.7
10	10.4	8.0	9.3	9.7	8.3	9.2	8.1	6.5	7.4	8.1	5.1	7.0
11	10.3	8.1	9.6	9.5	8.0	8.9	8.3	6.6	7.5	7.8	4.1	6.4
12	10.5	7.9	9.6	9.6	7.7	8.8	8.1	6.4	7.3	7.5	3.8	6.1
13	10.2	8.3	9.0	9.4	7.4	8.5	8.1	6.4	7.4	6.8	3.1	5.1
14	10.0	8.1	8.8	9.6	6.7	8.0	7.7	6.5	7.3	6.9	3.0	5.4
15	10.1	8.0	8.8	9.5	7.0	8.3	8.3	7.0	7.6	6.9	3.1	5.9
16	9.8	7.5	8.6	9.4	6.7	8.1	7.9	6.3	7.3	6.8	4.3	6.0
17	9.9	6.9	8.5	8.7	6.1	7.5	7.8	6.2	7.0	6.2	3.4	5.2
18	9.9	6.9	8.6	9.3	5.7	7.6	7.9	6.1	7.3	5.9	3.0	4.5
19	9.8	6.6	8.5	8.9	5.4	7.4	8.1	7.0	7.6	---	---	---
20	10.0	7.0	8.9	9.0	5.3	7.3	7.8	6.2	7.2	---	---	---
21	10.0	7.9	9.2	8.7	5.6	7.7	7.9	6.3	7.1	6.1	3.1	4.7
22	10.0	7.8	9.4	8.5	6.2	7.6	7.8	5.8	6.9	5.8	3.5	5.0
23	10.0	8.7	9.6	8.3	6.5	7.7	8.4	6.5	7.7	5.9	3.7	4.9
24	9.9	8.4	9.3	7.9	7.2	7.5	8.3	7.0	7.8	5.8	3.7	5.1
25	10.0	7.8	9.2	7.8	6.5	7.2	8.0	6.2	7.2	---	---	---
26	9.8	9.1	9.6	8.0	6.2	7.1	7.6	5.7	6.7	4.9	2.1	3.8
27	10.0	8.7	9.5	9.6	6.4	8.0	6.7	4.6	5.7	5.4	2.6	4.2
28	9.6	8.3	8.8	9.0	6.4	7.6	6.6	3.9	4.9	5.7	2.5	4.2
29	---	---	---	9.1	7.1	8.2	8.1	4.5	6.2	5.9	2.4	4.1
30	---	---	---	8.9	6.8	7.4	7.7	4.5	6.3	5.4	2.2	4.0
31	---	---	---	7.9	6.5	7.0	---	---	---	4.8	1.8	3.6

COOPER RIVER BASIN

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.

LOCATION.--Lat 33°02'26", long 79°56'14", Berkeley County, Hydrologic Unit 03050201, on right bank 6.2 mi (10.0 km) downstream from Seaboard Coast Line Railroad bridge, 7.4 mi (11.9 km) upstream from Goose Creek, and at mile 28.5 (45.9 km).

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1970 to current year.

pH: July 1981 to current year.

WATER TEMPERATURE: October 1970 to current year.

DISSOLVED OXYGEN: July 1981 to current year.

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

WATER TEMPERATURE: Maximum, 31.5°C July 29, 1981; minimum, 4.5°C Feb. 19, 1979.

DISSOLVED OXYGEN: Maximum, 10.3 (mg/L) Sept. 2, 1981; minimum, 6.4 (mg/L) July 24, 1981.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE (Top): Maximum, 2148 micromhos Nov. 12; minimum, 70 micromhos several days Mar., Apr., May, June.

SPECIFIC CONDUCTANCE (Bottom): Maximum, 2156 micromhos Nov. 12; minimum, 60 micromhos Mar. 23.

pH: Maximum, 8.6 units Oct. 15; minimum, 6.4 units Apr. 29-30, May 1, June 23, 1982.

TEMPERATURE (Top): Maximum, 30.1°C Aug. 4; minimum, 5.8°C Jan. 18.

DISSOLVED OXYGEN: Maximum, 14.1 (mg/L) Jan. 18; minimum, 4.3 (mg/L) June 23.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	274	130	182	316	134	210	300	145	210	135	130	131
2	196	126	145	464	134	233	185	140	153	130	130	130
3	165	127	143	406	134	218	160	145	149	130	130	130
4	188	127	150	238	120	168	155	140	150	130	125	127
5	186	126	146	226	132	171	155	145	149	125	125	125
6	180	122	137	280	132	201	340	145	217	125	125	125
7	129	121	124	418	138	257	425	145	253	130	125	125
8	161	124	136	706	152	385	250	140	176	130	125	126
9	384	127	231	768	160	437	205	145	168	130	125	129
10	500	136	300	1070	164	533	180	140	152	130	125	127
11	565	140	324	1610	196	784	150	140	142	130	130	130
12	674	154	---	2148	236	984	140	135	139	130	130	130
13	674	187	---	2124	238	943	140	135	139	130	130	130
14	674	231	---	2018	224	895	155	140	142	130	130	130
15	1550	201	598	1990	240	823	160	140	145	130	125	128
16	1240	190	575	1640	260	853	150	140	142	130	130	130
17	732	160	393	1100	170	448	145	135	140	130	125	126
18	558	154	329	514	140	294	140	135	137	130	125	125
19	398	146	228	330	124	216	135	135	135	125	125	125
20	312	148	225	238	116	158	135	135	135	125	125	125
21	290	142	216	144	112	126	140	135	135	125	125	125
22	280	142	206	126	108	115	140	135	135	125	125	125
23	286	140	209	124	108	116	140	135	136	125	100	108
24	346	144	226	150	112	128	140	135	139	100	95	99
25	752	160	378	155	140	146	140	135	136	100	95	95
26	748	164	414	165	140	150	135	135	135	95	90	91
27	534	140	258	170	140	154	140	135	135	95	85	88
28	172	130	146	170	145	154	135	135	135	90	85	85
29	182	132	151	230	145	166	135	135	135	90	85	88
30	238	132	167	270	145	186	135	135	135	90	85	86
31	258	134	188	---	---	---	135	130	132	85	80	81

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SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	80	75	79	75	70	74	80	75	75	75	70	73
2	80	75	78	75	70	71	75	75	75	75	70	73
3	80	75	78	75	70	70	80	75	76	75	70	72
4	80	75	79	75	70	72	80	75	78	75	70	74
5	80	75	78	75	70	71	80	75	79	75	70	74
6	75	75	75	75	70	73	80	75	76	75	70	74
7	75	75	75	75	70	72	80	75	75	75	75	75
8	75	75	75	75	70	74	75	75	75	75	75	75
9	80	75	75	75	70	72	75	75	75	75	70	74
10	75	75	75	75	70	71	75	75	75	75	75	75
11	75	75	75	75	70	71	75	75	75	75	75	75
12	75	75	75	75	70	71	75	75	75	75	75	75
13	75	75	75	75	70	71	80	75	75	75	75	75
14	75	75	75	75	70	72	80	75	78	80	70	75
15	80	75	75	75	70	72	80	75	77	80	75	75
16	75	70	74	75	70	74	75	75	75	80	75	75
17	75	75	75	75	70	71	75	75	75	---	---	---
18	75	75	75	75	70	73	85	75	79	80	75	80
19	75	75	75	75	70	72	100	75	85	85	75	79
20	75	70	74	75	70	70	105	75	88	105	80	85
21	75	75	75	75	70	71	85	75	78	135	80	96
22	75	70	75	75	70	70	80	75	77	145	80	103
23	75	70	75	75	70	71	80	75	78	125	80	93
24	75	75	75	75	75	75	80	75	76	140	80	96
25	75	75	75	75	70	73	75	75	75	115	80	91
26	75	75	75	75	70	72	80	75	75	100	80	86
27	75	70	75	75	70	72	80	70	74	95	80	85
28	75	75	75	75	70	70	75	70	72	80	75	79
29	---	---	---	75	70	70	75	70	71	80	80	80
30	---	---	---	75	70	71	75	70	71	80	80	80
31	---	---	---	75	75	75	---	---	---	80	80	80
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	80	80	80	85	80	81	90	85	86	105	90	96
2	80	80	80	85	80	82	100	85	90	100	90	95
3	80	80	80	85	80	83	125	90	98	100	95	97
4	80	80	80	85	80	84	145	90	109	105	90	97
5	80	80	80	85	85	85	115	85	94	140	95	117
6	80	80	80	95	80	86	95	85	89	195	95	145
7	80	80	80	90	80	85	90	85	87	180	95	137
8	80	80	80	85	80	84	90	85	85	165	95	130
9	80	80	80	85	80	83	90	85	85	170	95	132
10	80	80	80	85	80	84	90	85	85	170	95	127
11	80	80	80	85	80	84	90	85	86	160	95	127
12	85	80	80	90	85	85	90	85	86	135	95	110
13	85	80	81	90	85	85	90	85	87	125	95	107
14	85	80	83	95	85	88	90	85	86	125	95	104
15	85	80	82	95	85	86	90	85	86	125	95	107
16	85	80	82	85	80	84	90	85	85	125	90	105
17	85	80	84	85	80	84	90	85	85	120	90	104
18	85	80	80	85	80	84	90	85	88	145	95	111
19	80	75	79	85	80	83	90	85	88	130	95	106
20	80	70	76	80	80	80	90	85	89	115	95	104
21	80	75	76	80	80	80	90	90	90	110	95	102
22	80	75	77	80	80	80	90	90	90	110	95	102
23	80	75	77	80	80	80	90	90	90	110	95	102
24	80	75	77	80	80	80	90	90	90	115	95	105
25	80	75	75	80	80	80	95	90	90	120	95	107
26	80	75	76	85	85	85	95	90	91	135	95	115
27	80	75	78	85	80	84	95	90	94	105	90	97
28	80	75	79	85	80	84	95	90	90	95	90	92
29	80	75	79	85	85	85	95	90	91	100	90	95
30	80	80	80	85	85	85	155	90	107	105	90	97
31	---	---	---	85	85	85	115	90	98	---	---	---
YEAR	2148	70	128									

COOPER RIVER BASIN

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	261	128	177	312	136	224	290	140	215	125	120	120
2	191	120	156	464	130	297	180	135	158	120	120	120
3	161	123	139	396	132	264	150	135	143	120	120	120
4	184	124	146	260	124	192	145	135	139	120	115	119
5	182	121	142	220	120	170	145	135	140	125	125	125
6	179	119	149	272	114	193	175	140	158	125	120	124
7	127	118	121	414	140	277	405	135	270	125	125	125
8	158	120	132	740	148	444	200	135	168	125	115	119
9	380	124	225	758	160	459	195	140	168	115	115	115
10	494	133	294	1040	160	529	165	140	153	115	115	115
11	552	137	251	1610	190	774	140	125	133	120	115	115
12	664	149	---	2156	204	1180	130	90	117	115	115	115
13	664	183	---	1920	190	859	130	125	129	120	115	115
14	664	218	---	1980	216	1098	140	110	130	115	115	115
15	1540	201	---	1950	232	892	155	110	134	115	115	115
16	1240	188	573	1620	250	935	140	110	132	120	115	115
17	774	154	464	1040	168	604	140	125	131	120	115	117
18	552	154	326	494	136	315	125	110	117	120	115	116
19	390	142	225	322	130	226	130	125	126	115	115	115
20	308	140	224	228	112	170	125	125	125	115	115	115
21	284	140	210	136	110	123	125	125	125	115	115	115
22	278	138	208	118	104	111	125	125	125	115	110	114
23	276	140	208	120	104	112	125	125	125	115	95	104
24	344	140	242	140	102	115	125	125	125	100	90	96
25	734	154	371	150	110	134	125	125	125	95	90	92
26	744	160	406	160	135	148	125	125	125	95	85	88
27	528	138	333	160	110	135	125	125	125	85	85	85
28	168	126	147	155	135	145	125	125	125	90	85	86
29	162	120	141	180	135	158	125	120	124	90	85	85
30	228	126	162	225	145	185	125	120	124	85	80	82
31	240	140	190	---	---	---	125	120	122	80	75	77
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	80	75	77	75	70	73	80	75	75	75	75	75
2	80	75	76	75	70	71	80	75	76	75	75	75
3	80	75	78	70	70	70	80	75	78	80	75	76
4	80	75	78	75	70	70	80	75	78	80	75	77
5	80	75	75	70	70	70	80	75	77	80	75	79
6	75	75	75	70	70	70	80	75	75	80	75	79
7	75	70	74	70	70	70	75	70	74	80	80	80
8	75	75	75	75	70	70	75	70	74	80	80	80
9	75	70	74	75	70	70	75	70	74	80	80	80
10	75	75	75	75	70	70	75	70	74	80	80	80
11	80	75	75	70	65	69	75	75	75	80	80	80
12	75	75	75	75	70	72	75	75	75	85	80	80
13	80	75	75	75	70	72	80	75	77	85	80	82
14	75	70	74	75	70	70	85	80	80	85	80	80
15	75	70	74	75	70	71	80	74	78	85	80	82
16	75	70	74	70	70	70	---	---	---	85	80	83
17	75	70	74	75	70	70	---	---	---	---	---	---
18	75	70	74	75	70	73	---	---	---	85	85	85
19	75	70	71	70	70	70	100	80	90	90	85	85
20	75	70	72	75	70	70	---	---	---	110	85	90
21	75	70	74	70	70	70	85	75	81	150	85	105
22	75	70	74	70	70	70	80	75	77	155	90	112
23	75	70	72	70	60	70	---	---	---	115	85	98
24	75	70	74	70	70	70	---	---	---	150	85	101
25	75	70	74	70	70	70	80	75	77	125	85	98
26	75	70	74	70	70	70	85	75	77	105	85	92
27	75	70	73	70	70	70	---	---	---	105	85	90
28	75	70	75	70	70	70	---	---	---	90	85	85
29	---	---	---	70	70	70	75	70	72	85	85	85
30	---	---	---	75	70	71	75	75	75	85	85	85
31	---	---	---	75	70	74	---	---	---	85	85	85

COOPER RIVER BASIN

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02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

(BOTTOM)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	90	85	85	90	85	87	100	95	96	110	95	102
2	90	85	85	95	90	90	110	95	100	105	95	100
3	90	85	85	95	90	90	135	95	108	110	100	105
4	90	85	85	95	90	91	160	100	119	115	95	105
5	90	85	85	95	55	91	125	85	103	155	90	122
6	90	85	86	100	90	94	105	95	98	200	105	152
7	90	85	85	100	90	92	100	95	98	190	100	145
8	90	85	86	95	90	91	100	95	98	170	100	135
9	90	85	88	95	90	90	100	95	99	175	105	140
10	90	90	90	95	90	92	115	95	100	170	105	137
11	90	85	89	95	90	92	100	80	95	190	105	137
12	105	85	90	95	90	91	120	70	95	140	100	115
13	90	85	88	100	95	95	110	75	94	140	100	118
14	90	85	87	100	95	97	100	90	95	135	100	110
15	90	85	87	105	95	96	100	95	97	145	100	113
16	90	85	88	95	90	94	100	90	96	135	95	109
17	90	85	89	95	90	93	105	95	97	125	100	110
18	90	85	85	95	90	92	100	95	97	150	100	119
19	85	80	84	95	90	92	100	90	97	145	100	116
20	85	75	81	90	90	90	100	95	97	125	95	111
21	85	80	81	90	90	90	100	95	98	120	105	112
22	85	80	82	90	90	90	100	90	97	125	100	112
23	85	80	82	90	90	90	105	95	98	125	105	112
24	85	80	82	90	90	90	100	80	98	125	100	112
25	85	80	84	---	---	---	105	95	99	140	100	120
26	85	85	85	95	90	93	105	95	101	145	100	122
27	90	85	85	95	90	94	110	95	102	110	100	105
28	90	85	86	95	90	94	105	95	99	105	100	102
29	90	85	86	95	90	94	105	90	100	105	95	100
30	90	85	88	100	95	95	150	75	106	110	100	105
31	---	---	---	95	90	94	120	95	106	---	---	---
YEAR	2156	95	131									

PH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY	
1	8.4	7.8	8.1	7.6	7.7	7.2	7.3	7.0
2	8.3	7.5	8.1	7.6	7.4	7.1	7.2	7.0
3	8.4	7.8	8.0	7.5	7.3	7.2	7.1	7.0
4	8.4	7.8	8.0	7.0	7.3	7.2	7.2	7.0
5	8.4	7.8	7.7	7.3	7.3	7.2	7.1	6.9
6	8.3	7.7	7.6	7.2	7.4	7.2	7.2	6.9
7	7.9	7.4	7.5	7.3	7.4	7.3	7.2	7.0
8	7.8	7.4	7.5	7.4	7.4	7.4	7.2	6.9
9	7.7	7.4	7.7	7.4	7.5	7.4	7.3	7.0
10	7.6	7.4	7.6	7.4	7.6	7.4	7.3	7.0
11	7.5	7.3	7.7	7.4	7.7	7.4	7.5	7.2
12	7.8	7.2	8.0	7.4	7.6	7.3	7.5	7.2
13	8.2	7.5	8.1	7.6	7.5	7.3	7.4	7.2
14	8.5	7.5	8.1	7.6	7.4	7.2	7.3	7.1
15	8.6	7.6	7.8	7.4	7.4	7.2	7.4	7.2
16	8.5	7.7	7.7	7.4	7.3	7.1	7.4	7.2
17	8.3	7.6	7.6	7.2	7.5	7.2	7.4	7.2
18	8.0	7.5	7.5	7.2	7.4	7.2	7.5	7.2
19	7.9	7.4	7.5	7.2	7.5	7.3	7.3	7.2
20	7.8	7.4	7.4	7.3	7.6	7.4	7.2	7.1
21	7.7	7.4	7.4	7.2	7.6	7.3	7.2	7.1
22	7.6	7.5	7.4	7.3	7.5	7.3	7.2	7.0
23	7.6	7.5	7.6	7.3	7.5	7.4	7.2	7.0
24	7.6	7.4	7.5	7.4	7.4	7.2	7.2	7.1
25	7.6	7.4	7.6	7.4	7.3	7.2	7.2	7.1
26	7.5	7.3	7.8	7.4	7.2	7.1	7.2	7.0
27	7.7	7.4	7.9	7.4	7.3	7.0	7.2	7.0
28	7.9	7.4	7.9	7.5	7.3	7.1	7.1	7.0
29	8.2	7.6	8.1	7.5	7.4	7.2	7.1	6.9
30	7.8	7.6	7.9	7.5	7.4	7.0	7.1	7.0
31	8.1	7.4	---	---	7.4	7.2	7.0	6.9

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	FEBRUARY		MARCH		APRIL		MAY	
1	7.0	6.9	7.0	6.8	6.9	6.7	7.0	6.4
2	7.0	6.8	7.1	6.9	6.9	6.7	6.9	6.5
3	6.9	6.8	7.0	6.8	6.8	6.7	6.9	6.5
4	6.9	6.8	7.0	6.8	6.8	6.7	6.9	6.7
5	6.9	6.8	6.9	6.8	6.8	6.7	6.9	6.7
6	6.8	6.7	6.8	6.7	6.9	6.7	6.9	6.7
7	6.9	6.7	6.8	6.7	7.0	6.8	7.0	6.7
8	6.9	6.8	6.9	6.7	6.9	6.8	7.0	6.7
9	6.9	6.8	7.0	6.8	7.0	6.7	7.4	6.6
10	6.9	6.7	7.0	6.7	6.9	6.8	8.0	6.8
11	6.8	6.7	6.9	6.7	7.0	6.8	7.5	6.9
12	6.9	6.7	6.9	6.7	7.0	6.8	7.4	6.7
13	6.9	6.7	6.9	6.6	6.9	6.8	7.2	6.7
14	6.9	6.7	6.9	6.7	6.9	6.7	7.2	6.7
15	6.9	6.7	6.9	6.6	6.9	6.7	7.2	6.9
16	6.8	6.7	6.9	6.7	6.9	6.7	7.2	6.9
17	6.9	6.7	6.9	6.7	6.8	6.7	---	---
18	6.8	6.6	6.9	6.6	6.8	6.7	6.9	6.9
19	6.9	6.7	6.9	6.7	6.8	6.7	7.0	6.9
20	6.9	6.7	6.8	6.6	6.8	6.6	7.0	6.8
21	6.9	6.8	6.8	6.7	6.8	6.7	7.0	6.8
22	7.0	6.8	6.7	6.6	6.7	6.6	6.9	6.8
23	7.0	6.8	6.8	6.6	7.0	6.7	6.9	6.7
24	7.0	6.8	6.8	6.6	7.2	6.8	7.1	6.7
25	7.0	6.8	6.7	6.5	6.9	6.8	6.9	6.6
26	6.9	6.8	6.9	6.6	6.9	6.7	6.8	6.7
27	6.9	6.8	7.4	6.7	6.8	6.6	7.1	6.6
28	6.9	6.8	7.5	6.8	6.7	6.5	6.9	2.6
29	---	---	7.3	6.8	6.9	6.4	6.9	6.6
30	---	---	7.2	6.6	6.8	6.4	6.9	6.7
31	---	---	7.0	6.7	---	---	6.8	6.6
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	JUNE		JULY		AUGUST		SEPTEMBER	
1	6.7	6.6	6.8	6.6	7.0	6.9	7.2	7.0
2	6.8	6.7	6.9	6.7	7.0	6.8	7.2	7.0
3	6.9	6.7	6.8	6.7	7.1	6.8	7.3	7.0
4	6.7	6.7	6.8	6.7	7.4	6.9	7.4	7.1
5	6.8	6.6	7.0	6.7	7.2	6.9	7.3	6.9
6	7.0	6.6	7.0	6.7	7.1	6.8	7.7	7.0
7	7.8	6.7	6.9	6.7	7.0	6.8	7.8	7.1
8	7.4	6.9	6.9	6.7	7.0	6.7	7.7	7.2
9	7.2	6.7	7.0	6.8	7.0	6.7	7.6	7.1
10	7.1	6.7	7.0	6.8	7.1	6.7	7.4	7.1
11	7.2	6.6	7.0	6.8	7.1	6.9	7.2	6.9
12	7.4	6.7	7.0	6.8	7.2	6.9	7.1	6.9
13	7.3	6.7	7.0	6.8	7.0	6.8	7.1	6.9
14	7.1	6.6	6.9	6.8	6.9	6.7	7.1	6.9
15	7.1	6.7	6.9	6.7	6.9	6.8	7.2	6.9
16	7.1	6.8	6.9	6.7	6.9	6.8	7.3	6.9
17	7.1	6.7	6.8	6.7	7.0	6.8	7.5	7.0
18	6.9	6.7	6.8	6.6	7.0	6.8	7.7	7.1
19	6.8	6.7	6.8	6.6	7.0	6.8	7.3	7.0
20	6.9	6.6	6.9	6.7	7.1	6.8	7.3	6.9
21	6.9	6.6	7.1	6.7	7.2	6.8	7.2	6.8
22	6.7	6.5	7.3	6.7	7.4	6.9	7.1	6.8
23	6.7	6.4	7.0	6.7	7.3	6.9	7.3	6.9
24	6.7	6.5	6.9	6.7	7.3	6.9	7.4	7.2
25	7.0	6.6	---	---	7.2	6.9	7.4	7.2
26	7.0	6.5	7.1	6.9	7.2	7.0	7.4	7.2
27	6.9	6.6	7.1	6.7	7.2	7.0	7.2	7.0
28	6.8	6.6	7.0	6.7	7.2	6.9	7.2	7.1
29	6.8	6.6	6.9	6.7	7.1	6.9	7.4	7.1
30	6.7	6.6	7.0	6.8	7.2	7.0	7.6	7.3
31	---	---	7.0	6.8	7.2	7.1	---	---
YEAR	8.6	6.4	---	---	---	---	---	---

COOPER RIVER BASIN

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02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	26.2	25.2	25.7	18.9	18.0	18.5	14.8	13.7	14.3	10.0	9.0	9.5
2	25.9	24.9	25.5	19.0	18.1	18.6	15.0	14.6	14.8	9.7	9.1	9.5
3	24.9	23.3	24.1	19.4	18.6	19.0	14.9	14.0	14.5	9.6	9.3	9.4
4	24.3	22.4	23.4	19.7	15.0	19.2	14.4	13.1	13.9	10.7	9.3	10.1
5	23.9	22.5	23.2	19.6	19.1	19.4	13.5	12.1	13.0	10.2	9.4	9.8
6	23.7	22.8	23.3	19.6	18.9	19.3	12.9	11.5	12.3	10.1	9.4	9.8
7	23.4	22.6	23.1	18.9	18.0	18.6	12.3	11.1	11.7	10.7	9.9	10.3
8	22.7	21.7	22.4	18.4	17.6	18.0	11.9	11.1	11.6	10.8	10.5	10.7
9	22.2	21.3	21.6	18.2	17.5	17.9	11.6	10.8	11.3	10.3	9.9	10.1
10	21.6	20.6	21.1	18.1	17.4	18.0	10.8	9.9	10.3	9.6	8.6	9.1
11	20.7	20.1	20.4	17.9	17.5	17.7	9.6	9.1	9.3	8.6	7.5	7.8
12	20.4	19.6	20.1	17.5	16.2	16.8	9.6	8.7	9.1	7.5	6.9	7.2
13	19.9	19.0	19.6	16.6	15.4	16.0	9.4	8.9	9.2	7.3	6.7	7.0
14	19.7	18.7	19.4	15.9	14.1	15.1	9.6	9.1	9.3	7.0	6.6	6.8
15	19.9	19.0	19.4	15.3	13.8	14.6	10.5	9.5	9.9	6.8	6.0	6.4
16	20.3	19.0	19.6	14.9	13.7	14.4	10.5	10.0	10.2	6.7	6.0	6.4
17	20.3	19.4	19.9	14.6	14.1	14.3	10.2	9.5	9.9	6.6	6.0	6.4
18	20.6	19.6	20.2	14.5	13.9	14.2	10.0	9.9	9.9	6.7	5.8	6.2
19	20.4	19.1	19.8	14.8	13.9	14.4	9.9	8.7	9.2	6.9	6.3	6.5
20	19.7	18.5	19.1	15.2	14.4	14.8	8.7	8.1	8.3	7.4	6.8	7.0
21	19.4	18.2	18.7	14.3	13.7	14.0	8.5	7.7	8.1	7.5	7.2	7.4
22	19.2	18.4	18.7	13.6	13.1	13.4	9.2	8.4	8.7	7.5	7.1	7.4
23	19.7	18.7	19.1	13.3	13.0	13.1	10.6	9.1	9.9	8.2	7.0	7.5
24	19.6	18.3	18.8	13.6	13.1	13.3	10.7	10.0	10.2	8.2	7.5	7.9
25	18.3	17.5	18.0	13.4	13.1	13.2	10.1	9.8	10.0	8.0	7.2	7.5
26	18.4	17.3	18.0	13.6	13.0	13.2	9.6	9.3	9.4	7.8	7.3	7.6
27	19.8	18.4	19.0	14.2	13.1	13.6	9.4	9.1	9.2	7.5	6.6	6.9
28	19.5	18.4	19.0	15.0	13.9	14.4	9.5	9.1	9.3	7.4	6.5	6.9
29	19.5	18.5	19.1	14.7	14.1	14.4	9.9	9.5	9.7	7.6	6.9	7.3
30	19.0	18.2	18.6	14.5	14.0	14.3	9.8	9.0	9.4	7.6	6.9	7.3
31	18.7	17.5	18.2	---	---	---	9.6	8.8	9.2	9.1	7.0	7.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	9.0	8.0	8.5	10.2	9.8	10.0	16.9	15.7	16.2	19.8	18.5	19.3
2	8.6	8.0	8.2	10.7	9.4	10.0	17.5	16.2	17.0	20.1	19.1	19.6
3	8.8	8.0	8.4	10.7	9.9	10.3	18.1	17.1	17.7	20.2	19.1	19.8
4	9.4	8.6	9.0	11.3	10.4	10.8	17.3	16.6	17.1	20.8	19.8	20.1
5	9.5	8.8	9.2	11.6	11.0	11.3	16.7	16.1	16.5	21.0	20.0	20.5
6	9.3	8.8	9.0	11.7	11.1	11.5	17.1	16.0	16.5	21.1	20.0	20.6
7	9.8	8.8	9.3	11.7	11.1	11.4	16.3	15.5	16.0	21.3	20.3	20.8
8	10.1	9.2	9.6	11.5	10.9	11.2	15.9	15.1	15.7	21.5	20.6	21.0
9	10.4	9.5	9.9	12.3	11.0	11.6	16.6	14.8	15.6	21.9	20.6	21.2
10	10.9	9.9	10.4	12.5	11.4	12.0	16.2	15.3	15.8	22.9	21.0	21.8
11	10.7	9.8	10.0	12.9	11.6	12.3	16.3	15.1	15.8	23.2	21.6	22.3
12	10.1	9.4	9.6	13.2	11.7	12.6	17.1	15.4	16.2	23.2	22.1	22.7
13	10.3	9.2	9.7	13.8	12.2	13.2	17.7	16.1	16.9	23.4	22.0	22.7
14	10.6	9.5	10.1	14.2	13.1	13.7	18.4	17.0	17.8	23.8	22.4	23.1
15	11.0	9.9	10.5	14.3	13.5	14.0	18.8	17.7	18.2	23.7	23.2	23.5
16	11.3	10.4	10.9	14.2	13.1	13.8	18.5	17.3	18.0	24.0	23.2	23.7
17	11.8	10.9	11.4	15.5	14.0	14.7	18.9	17.9	18.5	---	---	---
18	11.7	10.9	11.3	15.7	14.8	15.2	19.3	18.6	19.0	23.7	23.4	23.5
19	11.7	10.9	11.3	15.6	14.4	15.1	19.1	18.7	18.9	24.0	23.6	23.9
20	12.0	11.4	11.7	16.4	15.2	15.7	19.0	18.4	18.8	24.6	24.0	24.3
21	12.3	11.7	11.9	17.1	16.0	16.5	19.2	18.1	18.7	24.9	24.5	24.8
22	12.0	11.6	11.8	16.9	16.2	16.7	19.2	18.6	19.0	25.5	24.6	25.0
23	12.3	11.2	11.8	17.1	16.4	16.8	18.8	17.7	18.2	25.2	24.3	25.0
24	12.8	10.8	12.1	17.0	15.8	16.3	19.5	17.9	18.6	25.1	24.4	24.9
25	12.4	11.9	12.2	16.7	15.0	15.7	18.9	18.6	18.8	25.7	24.1	25.0
26	11.9	10.3	11.1	17.2	16.1	16.6	19.0	18.4	18.8	25.6	25.0	25.4
27	10.7	10.5	10.6	17.2	16.1	16.6	19.8	18.1	18.9	25.4	25.0	25.2
28	10.5	10.0	10.2	16.4	15.4	15.8	19.9	18.9	19.4	25.7	24.5	25.1
29	---	---	---	16.0	14.7	15.4	19.8	18.7	19.2	26.4	25.1	25.7
30	---	---	---	16.1	15.0	15.6	19.5	18.2	19.0	26.4	26.0	26.2
31	---	---	---	16.0	15.6	15.9	---	---	---	26.3	25.9	26.1

COOPER RIVER BASIN

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	26.1	25.7	25.9	28.8	28.0	28.5	29.4	29.0	29.2	28.4	28.0	28.2
2	26.9	25.9	26.2	28.8	28.4	28.6	29.6	28.8	29.2	28.5	28.0	28.3
3	27.5	26.6	27.0	29.0	28.4	28.7	29.8	29.0	29.4	28.8	28.2	28.5
4	27.0	26.5	26.7	29.2	28.4	28.8	30.1	29.1	29.7	28.6	27.4	28.0
5	27.5	26.3	26.8	29.1	28.7	28.9	30.0	29.5	29.8	28.2	27.3	27.7
6	27.9	27.0	27.4	29.0	28.5	28.8	29.7	29.0	29.5	27.8	26.8	27.4
7	28.4	27.0	27.6	28.7	28.2	28.5	29.5	28.8	29.1	27.6	27.0	27.3
8	28.6	27.5	28.0	28.6	28.0	28.4	29.4	28.7	29.1	27.4	26.8	27.2
9	29.0	27.8	28.4	28.8	28.1	28.5	29.3	28.8	29.1	27.1	26.4	26.8
10	29.0	28.0	28.5	29.1	28.4	28.8	29.4	28.5	29.1	26.6	26.0	26.3
11	28.5	27.0	27.9	29.2	28.6	28.9	29.7	29.0	29.4	26.2	25.8	26.0
12	28.3	27.7	28.0	29.1	28.7	29.0	29.8	29.1	29.5	26.4	25.9	26.1
13	28.1	26.7	27.3	29.3	28.8	29.0	29.4	29.0	29.2	26.8	26.0	26.5
14	27.5	26.3	26.8	29.3	29.0	29.2	29.0	28.6	28.8	26.9	26.5	26.8
15	27.4	26.8	27.1	29.1	28.5	28.9	28.9	28.6	28.9	27.3	26.7	26.9
16	27.6	26.7	27.1	28.9	28.3	28.4	28.9	28.6	28.8	27.5	26.9	27.2
17	27.6	26.8	27.2	28.9	28.4	28.6	29.0	28.7	28.8	27.6	26.9	27.3
18	26.7	25.6	26.3	28.8	28.1	28.5	28.8	28.1	28.5	27.7	27.0	27.4
19	26.5	25.4	25.9	28.8	28.0	28.4	28.3	27.9	28.0	27.8	27.0	27.4
20	26.7	26.0	26.4	29.0	28.3	28.6	28.6	27.9	28.2	27.6	26.8	27.3
21	27.2	26.4	26.8	29.7	28.9	29.3	28.9	25.0	28.3	27.2	26.6	27.0
22	27.1	26.6	26.8	29.8	29.2	29.5	29.1	28.4	28.8	27.0	25.9	26.4
23	27.2	26.0	26.6	29.7	28.9	29.3	29.2	28.6	29.0	26.4	25.4	26.0
24	27.4	26.6	27.0	29.0	28.5	28.8	29.4	28.6	29.1	26.1	25.2	25.7
25	27.7	26.9	27.3	---	---	---	29.6	28.9	29.3	25.8	25.2	25.5
26	27.8	26.8	27.3	29.7	29.4	29.6	29.5	29.0	29.3	25.2	24.2	24.7
27	27.7	27.0	27.3	30.0	29.0	29.6	29.4	29.0	29.1	24.4	23.8	24.1
28	27.4	26.8	27.1	29.8	29.3	29.7	29.4	29.1	29.3	24.6	24.0	24.3
29	27.8	27.0	27.5	29.8	29.3	29.6	29.1	28.6	28.9	24.5	24.2	24.4
30	28.1	27.6	27.9	29.7	29.4	29.6	28.4	28.0	28.2	24.5	24.0	24.2
31	---	---	---	29.6	29.3	29.5	28.1	27.8	28.0	---	---	---
YEAR	30.1	5.8	19.3									

DISSOLVED OXYGEN (DO) IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9.5	8.4	8.9	10.9	10.1	10.4	12.0	11.1	11.7	12.8	12.0	12.3
2	9.0	8.0	8.7	10.8	10.0	10.4	11.8	11.0	11.4	12.7	12.0	12.2
3	9.5	8.4	8.9	10.5	9.8	10.3	11.6	11.1	11.4	12.5	12.0	12.3
4	9.6	8.8	9.2	10.4	9.5	10.0	11.6	11.2	11.4	12.5	11.8	12.1
5	9.5	9.0	9.3	9.9	8.7	9.4	11.7	11.4	11.5	12.5	11.6	11.9
6	9.4	8.8	9.1	9.2	8.3	8.8	11.7	11.4	11.6	12.6	11.8	12.2
7	8.9	8.1	8.6	8.7	8.6	8.6	12.3	11.5	11.8	12.7	12.0	12.3
8	8.5	7.8	8.3	9.2	8.4	8.8	12.4	11.8	12.1	12.8	11.7	12.2
9	8.3	8.0	8.1	9.6	8.5	8.9	12.5	12.0	12.2	12.9	11.9	12.5
10	8.1	7.8	7.9	9.3	8.4	8.9	13.0	12.3	12.6	13.1	12.1	12.6
11	8.4	7.8	7.9	9.6	8.5	8.9	13.4	12.7	12.9	13.5	12.6	13.0
12	9.3	7.6	8.3	10.1	8.7	9.4	13.2	12.6	12.9	13.5	12.9	13.2
13	10.1	8.3	8.9	10.4	9.0	9.5	12.9	12.3	12.6	13.4	12.9	13.1
14	10.7	8.6	9.5	10.6	9.2	9.8	12.7	12.4	12.6	13.1	12.6	12.9
15	11.0	9.1	9.9	12.0	9.4	10.6	12.6	11.9	12.3	13.7	12.9	13.2
16	10.8	9.6	10.2	11.8	11.0	11.4	12.4	11.7	12.0	13.8	13.1	13.4
17	10.7	9.5	10.1	11.6	10.8	11.3	12.8	12.1	12.4	13.8	13.2	13.5
18	10.1	9.2	9.8	11.4	10.7	11.1	12.7	12.1	12.5	14.1	13.5	13.7
19	9.8	8.8	9.5	11.3	10.8	11.1	13.2	12.4	12.6	13.8	13.3	13.6
20	9.6	8.9	9.4	11.3	10.9	11.0	13.3	12.9	13.0	13.5	13.1	13.4
21	9.4	9.0	9.3	11.2	11.0	11.0	13.3	13.0	13.2	13.4	13.0	13.2
22	9.4	9.0	9.3	11.9	11.3	11.6	13.2	12.8	13.1	13.2	12.8	13.1
23	9.5	9.0	9.2	12.2	11.6	11.8	13.1	12.8	12.9	13.1	12.6	13.0
24	9.3	9.1	9.2	12.2	11.9	12.0	12.8	12.3	12.6	13.3	12.6	12.9
25	9.3	9.0	9.2	12.2	11.8	12.0	12.6	12.1	12.4	13.3	12.8	13.0
26	10.0	9.1	9.4	12.6	11.9	12.2	12.5	12.1	12.3	13.3	12.7	13.0
27	10.6	9.5	9.9	12.7	11.9	12.3	12.5	11.8	12.3	13.2	12.9	13.1
28	11.1	9.8	10.4	12.8	12.0	12.3	12.7	12.0	12.3	13.2	12.9	13.0
29	11.5	10.5	10.8	12.8	12.0	12.4	12.9	12.1	12.4	13.2	12.7	13.0
30	11.1	10.5	10.8	12.5	11.9	12.2	13.1	12.0	12.6	13.2	12.7	12.9
31	11.9	10.4	11.0	---	---	---	13.1	12.4	12.6	12.9	12.6	12.8

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DISSOLVED OXYGEN (DO) IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	13.0	12.4	12.7	12.1	11.4	11.7	10.3	9.6	10.0	10.3	8.2	9.5
2	12.9	12.4	12.7	12.4	11.7	12.0	10.1	9.4	9.7	10.1	8.9	9.5
3	12.7	12.3	12.5	12.2	11.7	11.9	10.0	9.3	9.6	9.9	8.4	9.5
4	12.7	12.1	12.4	12.0	11.5	11.7	9.9	9.4	9.6	9.9	9.0	9.5
5	12.5	12.0	12.3	11.6	11.3	11.5	9.8	9.3	9.6	10.0	9.1	9.5
6	12.3	11.9	12.1	11.3	10.9	11.1	10.2	9.3	9.7	10.0	8.9	9.5
7	12.5	11.9	12.2	11.2	10.7	11.0	10.7	9.8	10.2	10.2	8.7	9.5
8	12.5	12.1	12.3	11.6	10.8	11.2	10.3	9.8	10.1	9.8	8.8	9.3
9	12.4	11.4	12.0	11.8	11.1	11.5	10.6	9.5	10.0	10.4	8.4	9.3
10	12.3	11.4	11.9	11.8	11.1	11.6	10.6	9.8	10.2	10.7	8.9	9.6
11	12.1	11.5	11.9	11.6	10.6	11.4	10.9	9.9	10.3	10.1	8.8	9.5
12	12.0	11.7	11.9	11.5	10.9	11.3	10.8	9.9	10.4	9.9	8.3	9.2
13	12.2	11.7	11.9	11.5	9.8	11.2	10.3	9.9	10.2	9.5	8.0	8.8
14	12.2	11.6	11.8	11.5	10.6	11.1	10.2	9.4	9.9	9.3	7.9	8.6
15	12.1	11.3	11.7	11.4	10.3	11.0	10.1	9.0	9.6	9.2	8.3	8.9
16	11.9	11.4	11.6	11.2	10.5	10.9	10.0	9.2	9.6	9.1	8.0	8.5
17	11.8	11.1	11.4	11.0	10.5	10.8	9.8	9.2	9.5	---	---	---
18	11.6	11.0	11.3	11.0	10.0	10.5	9.4	9.2	9.3	7.9	7.8	7.8
19	11.7	11.1	11.3	11.1	10.1	10.6	9.6	9.0	9.3	8.2	7.7	7.9
20	11.7	11.1	11.4	10.8	10.0	10.4	9.6	8.8	9.2	8.3	7.4	7.9
21	11.7	11.3	11.5	10.7	10.0	10.4	9.8	9.1	9.4	8.1	7.2	7.9
22	11.9	11.3	11.6	10.4	9.8	10.1	9.4	8.7	9.3	7.9	6.9	7.5
23	11.8	11.3	11.6	10.2	9.7	10.0	10.5	9.0	9.6	7.8	6.6	7.2
24	11.8	11.1	11.5	10.0	9.4	9.7	10.8	9.5	10.1	7.4	6.6	7.0
25	11.7	11.1	11.4	9.9	8.6	9.3	10.0	9.5	9.9	7.7	6.0	6.9
26	11.5	11.1	11.3	10.4	9.3	9.7	9.8	9.1	9.4	7.3	6.2	6.9
27	11.7	11.3	11.5	11.3	9.7	10.4	9.6	8.5	9.0	7.3	5.9	6.9
28	11.8	11.4	11.6	11.4	10.1	10.8	9.3	8.1	8.7	7.4	5.8	6.6
29	---	---	---	11.2	10.1	10.8	10.0	7.7	8.9	7.6	5.9	6.7
30	---	---	---	11.0	9.4	10.5	9.9	8.1	9.4	7.4	6.2	6.7
31	---	---	---	10.6	9.5	10.0	---	---	---	6.8	5.8	6.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	6.5	6.0	6.3	6.3	5.8	6.1	6.7	6.4	6.6	7.2	6.4	6.8
2	6.9	6.2	6.5	6.9	6.2	6.5	6.9	6.0	6.5	7.2	6.3	6.8
3	7.2	6.2	6.6	6.9	6.3	6.6	7.7	6.1	6.7	7.3	6.2	6.8
4	6.6	6.1	6.3	7.2	6.3	6.7	8.3	6.5	7.1	6.9	6.3	6.6
5	7.0	5.5	6.2	7.5	6.6	7.0	7.8	6.7	7.3	7.4	6.2	6.8
6	7.7	5.8	6.6	7.9	6.6	7.2	7.7	6.4	7.2	8.1	6.3	7.2
7	9.1	6.7	7.6	7.8	7.0	7.4	7.2	6.1	6.8	8.1	6.8	7.5
8	8.5	7.1	7.8	8.1	7.4	7.7	7.4	6.0	6.8	7.8	6.8	7.3
9	8.0	6.2	7.1	8.1	7.4	7.8	7.2	5.8	6.7	7.6	6.6	7.1
10	7.6	5.6	6.6	7.9	6.7	7.4	7.7	6.0	6.9	7.2	6.2	6.7
11	7.6	5.1	6.3	7.3	6.5	7.0	7.6	6.6	7.2	7.8	5.9	6.8
12	7.9	6.0	6.7	7.0	6.3	6.7	7.6	6.6	7.2	7.9	6.3	6.7
13	7.7	5.4	6.4	6.6	5.9	6.4	7.0	6.4	6.7	7.7	6.2	6.5
14	7.4	5.4	6.2	6.6	5.9	6.2	6.7	6.2	6.5	7.5	6.4	6.9
15	7.4	5.8	6.7	6.1	5.7	5.9	7.2	6.3	6.9	7.1	6.0	6.2
16	7.2	6.0	6.7	6.4	5.8	6.1	7.2	6.6	7.0	7.5	6.1	6.4
17	7.1	6.0	6.6	6.3	5.8	6.0	7.5	6.6	6.9	8.0	6.1	6.6
18	6.6	5.8	6.2	---	---	---	7.0	6.5	6.9	8.1	6.2	6.8
19	7.4	6.2	6.7	---	---	---	7.4	6.4	6.9	7.4	6.3	6.9
20	7.2	6.1	6.5	---	---	---	7.7	6.4	7.1	6.9	5.8	6.2
21	7.1	5.8	6.4	---	---	---	8.0	6.5	7.2	6.6	5.0	5.8
22	6.5	5.2	5.8	---	---	---	8.2	6.9	7.5	6.2	4.6	5.4
23	6.3	4.3	5.1	---	---	---	7.7	6.7	7.5	7.1	5.8	6.5
24	6.7	5.0	5.6	---	---	---	7.7	6.3	7.1	7.5	6.9	7.1
25	7.4	5.6	6.2	---	---	---	7.2	6.3	6.9	7.5	6.9	7.2
26	7.2	5.4	6.4	8.0	7.0	7.6	7.1	6.6	7.0	7.4	6.9	7.1
27	7.0	5.6	6.3	7.8	6.1	7.2	7.1	6.4	6.8	7.1	6.7	6.9
28	6.5	5.5	5.9	7.4	6.2	6.9	7.0	6.2	6.7	7.3	6.6	6.9
29	6.6	5.4	6.0	6.7	6.0	6.5	6.7	6.2	6.5	7.0	6.8	6.9
30	6.0	5.7	5.9	6.9	6.0	6.3	7.1	6.3	6.6	8.2	7.2	7.7
31	---	---	---	7.0	6.6	6.8	7.1	6.6	6.9	---	---	---
YEAR	14.1	4.3	9.8									

02172051 COOPER RIVER NEAR NORTH CHARLESTON, S.C.

LOCATION.--Lat 33°00'15", long 79°55'23", Berkeley County, Hydrologic Unit 03050201, on right bank of Cooper River 6.6 mile (10.6 km) downstream from junction of East and West Branch Cooper River and at mile 23.2 (37.1 km).

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to current year.

INSTRUMENTATION.--USGS mini-monitor since October 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 13,900 micromhos May 3, 1981; minimum, less than 100 micromhos several days Nov. 1980, Jan., Feb., Mar., Apr., May, June, July, Sept., Oct., Nov., Dec., 1981, Jan., Feb., Mar., Apr., May, June, 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 13,900 micromhos Nov. 12; minimum, less than 100 micromhos several days Oct., Nov., Dec., Jan., Feb., Mar., Apr., May, June.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	1900	400	801	11800	1000	6300	2000	800	1390	100	[100	---
2	500	[100	---	10500	8900	9900	1500	1100	1420	100	[100	---
3	5500	[100	---	9800	1800	7180	3800	[100	---	100	[100	---
4	5100	1000	2840	3900	100	1950	3100	2000	2670	100	[100	---
5	5100	400	2950	8500	[100	---	3900	[100	---	100	[100	---
6	3500	[100	---	9500	100	3860	3000	800	1920	100	[100	---
7	1500	[100	---	11900	400	5700	8100	800	4560	100	[100	---
8	10100	400	3630	12000	[100	---	3500	[100	---	100	[100	---
9	11000	1500	4810	10900	500	5580	3500	[100	---	100	[100	---
10	10400	6400	8750	11500	[100	---	2400	[100	---	100	[100	---
11	10100	4000	7930	13400	8000	10100	500	[100	---	100	[100	---
12	10500	6000	6580	13900	8100	10000	400	[100	---	100	[100	---
13	12000	6000	8760	11800	8500	9730	100	[100	---	100	[100	---
14	12500	5100	9080	10500	2800	7270	500	[100	---	100	[100	---
15	11100	1100	6190	9800	2500	4020	500	[100	---	100	[100	---
16	8900	400	3090	3900	2400	2960	400	[100	---	100	[100	---
17	3900	[100	---	2500	1400	2130	100	[100	---	100	[100	---
18	3900	[100	---	1500	500	1140	100	[100	---	100	[100	---
19	3500	100	1760	3800	[100	---	100	[100	---	100	[100	---
20	3800	[100	---	3500	1400	2240	100	[100	---	100	[100	---
21	3500	[100	---	3500	1400	2110	100	[100	---	100	[100	---
22	3900	[100	---	2100	1100	1630	100	[100	---	100	[100	---
23	3500	400	2300	2100	1100	1760	100	[100	---	100	[100	---
24	9400	1400	2530	2000	1500	1860	100	[100	---	100	[100	---
25	12000	8800	10400	2000	1500	1800	100	[100	---	100	[100	---
26	10500	9400	9990	2400	1800	2060	100	[100	---	100	[100	---
27	9500	3100	6590	2500	2000	2250	100	[100	---	100	[100	---
28	8000	2000	3520	2500	2100	2400	100	[100	---	100	[100	---
29	3000	1500	2400	3900	100	1530	100	[100	---	100	[100	---
30	3100	1000	2210	1500	400	953	100	[100	---	100	[100	---
31	9000	[100	---	---	---	---	100	[100	---	100	[100	---

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SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	100	[100	---	100	[100	---	400	[100	---	100	[100	---
2	100	[100	---	100	[100	---	400	[100	---	400	[100	---
3	100	[100	---	100	[100	---	100	[100	---	400	[100	---
4	100	[100	---	100	[100	---	100	[100	---	100	[100	---
5	100	[100	---	100	[100	---	100	[100	---	100	[100	---
6	100	[100	---	100	[100	---	100	[100	---	100	[100	---
7	100	[100	---	100	[100	---	100	[100	---	400	[100	---
8	100	[100	---	100	[100	---	100	[100	---	100	[100	---
9	100	[100	---	100	[100	---	100	[100	---	100	[100	---
10	100	[100	---	100	[100	---	100	[100	---	100	[100	---
11	100	[100	---	100	[100	---	100	[100	---	100	[100	---
12	100	[100	---	100	[100	---	100	[100	---	100	[100	---
13	100	[100	---	100	[100	---	100	[100	---	100	[100	---
14	100	[100	---	400	[100	---	400	[100	---	100	[100	---
15	100	[100	---	100	[100	---	100	[100	---	100	[100	---
16	100	[100	---	100	[100	---	400	[100	---	100	[100	---
17	100	[100	---	100	[100	---	100	[100	---	100	[100	---
18	100	[100	---	100	[100	---	1500	[100	---	400	[100	---
19	100	[100	---	100	[100	---	3000	[100	---	400	[100	---
20	100	[100	---	100	[100	---	2400	[100	---	1100	[100	---
21	100	[100	---	100	[100	---	400	[100	---	1500	[100	---
22	100	[100	---	400	[100	---	400	[100	---	1500	[100	---
23	100	[100	---	400	[100	---	500	[100	---	500	[100	---
24	100	[100	---	400	[100	---	400	[100	---	1000	[100	---
25	100	[100	---	400	[100	---	400	[100	---	1000	[100	---
26	100	[100	---	400	[100	---	100	[100	---	500	[100	---
27	100	[100	---	400	[100	---	100	[100	---	500	[100	---
28	100	[100	---	100	[100	---	100	[100	---	400	[100	---
29	---	---	---	400	[100	---	400	[100	---	100	[100	---
30	---	---	---	100	[100	---	100	[100	---	100	[100	---
31	---	---	---	400	[100	---	---	---	---	100	[100	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	100	[100	---	---	---	---	180	100	114	300	110	135
2	400	[100	---	---	---	---	3010	100	367	370	100	131
3	100	[100	---	---	---	---	4840	110	560	800	110	166
4	100	[100	---	---	---	---	1070	130	274	1020	110	194
5	100	[100	---	---	---	---	210	110	133	2720	140	494
6	100	[100	---	---	---	---	140	110	115	3810	180	610
7	100	[100	---	---	---	---	120	100	110	1510	160	412
8	100	[100	---	---	---	---	120	100	105	2480	160	446
9	100	[100	---	---	---	---	110	100	105	3080	160	514
10	100	[100	---	---	---	---	110	100	105	4430	150	624
11	100	[100	---	---	---	---	130	100	108	3470	140	505
12	100	[100	---	---	---	---	190	110	112	2740	130	369
13	100	[100	---	---	---	---	340	100	132	2780	130	413
14	100	[100	---	---	---	---	330	100	129	1170	120	291
15	100	[100	---	---	---	---	330	100	127	1480	130	350
16	100	[100	---	---	---	---	210	100	116	1180	120	276
17	100	[100	---	---	---	---	160	100	112	1360	120	281
18	100	[100	---	---	---	---	160	100	114	1070	150	357
19	100	[100	---	---	---	---	130	100	112	1110	130	254
20	100	[100	---	---	---	---	110	100	107	880	120	217
21	100	[100	---	---	---	---	110	100	105	750	120	192
22	100	[100	---	---	---	---	120	100	108	430	120	170
23	100	[100	---	---	---	---	120	100	107	1830	120	265
24	500	[100	---	---	---	---	110	100	105	4260	120	497
25	500	[100	---	---	---	---	110	100	107	4830	130	537
26	1100	[100	---	---	---	---	400	110	134	4110	130	468
27	1100	[100	---	---	---	---	150	110	118	1300	120	212
28	1100	100	929	---	---	---	120	100	110	2460	110	255
29	1100	[100	---	110	100	105	6910	110	835	530	110	167
30	1500	[100	---	110	100	105	3270	140	491	4850	110	486
31	---	---	---	110	100	106	570	120	181	---	---	---
YEAR	13900	[100	906									

021720605 CHICKEN CREEK NEAR NORTH CHARLESTON, S.C.

PERIOD OF RECORD.--May 1982 to September 1982.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1982 to current year.

WATER TEMPERATURE: May 1982 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 259 micromhos Aug. 2, 1982; minimum, 67 micromhos Sept. 14, 17, 1982.

WATER TEMPERATURE: Maximum, 29.8°C July 31, 1982; minimum, 19.4°C May 4, 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 259 micromhos Aug. 2; minimum, 67 micromhos Sept. 14, 17.

WATER TEMPERATURE: Maximum, 29.8°C July 31; minimum, 19.4°C May 4.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

[illegible]

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	196	172	183	237	206	221	---	---	---
2	---	---	---	185	167	175	259	217	227	91	69	81
3	---	---	---	188	167	177	238	218	226	98	73	84
4	---	---	---	219	179	196	235	215	226	94	73	84
5	---	---	---	225	200	208	224	214	218	91	70	78
6	---	---	---	227	195	207	210	203	207	92	68	79
7	---	---	---	222	198	211	197	180	191	96	73	82
8	---	---	---	229	203	215	182	160	177	90	68	79
9	---	---	---	227	200	213	168	160	164	89	72	80
10	229	173	208	238	199	216	152	138	148	105	72	85
11	231	207	216	221	197	204	123	118	119	95	76	85
12	225	151	194	207	196	201	103	98	100	97	72	85
13	182	151	165	208	192	200	103	99	100	94	68	81
14	208	185	196	216	198	207	103	89	100	88	67	78
15	210	187	193	225	207	216	105	99	101	90	68	79
16	190	180	186	248	220	235	107	99	102	91	68	81
17	197	184	190	250	202	231	109	100	103	97	67	84
18	193	179	186	233	220	227	131	99	108	101	68	86
19	189	170	177	225	211	215	115	100	108	120	77	95
20	205	185	193	216	200	205	119	100	110	143	100	113
21	199	184	189	202	168	189	122	102	113	137	85	109
22	211	190	203	185	180	181	125	100	111	143	82	118
23	---	---	---	185	168	179	119	100	107	152	140	148
24	---	---	---	177	168	174	128	102	115	162	149	156
25	---	---	---	177	168	173	131	80	113	178	160	169
26	---	---	---	177	172	175	113	80	98	188	174	182
27	---	---	---	177	167	173	102	80	91	195	177	188
28	---	---	---	175	171	172	107	88	98	205	195	200
29	---	---	---	175	170	171	---	---	---	205	140	156
30	203	180	192	211	169	185	---	---	---	192	162	176
31	---	---	---	230	187	212	---	---	---	---	---	---
YEAR	259	67	152									

WATER TEMPERATURE (°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

[illegible]

COOPER RIVER BASIN

181

02172061 BACK RIVER AT COTE BAS NEAR NORTH CHARLESTON, S.C.

LOCATION.--Lat 33°00'51", long 79°56'15", Berkeley County, Hydrologic Unit 03050201, on east bank of Back River at SCE&G intake.

PERIOD OF RECORD.--May 1982 to September 1982.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1982 to current year.

WATER TEMPERATURE: Aug. 1982 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 361 micromhos July 19, 1982; minimum, 79 micromhos Sept. 16, 1982.

WATER TEMPERATURE: Maximum, 30.7°C Aug. 25, 1982; minimum, 23.7°C Sept. 27-28, 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 361 micromhos July 19; minimum, 79 micromhos Sept. 16.

WATER TEMPERATURE: Maximum, 30.7°C Aug. 25; minimum, 23.7°C Sept. 27-28.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	191	149	176
5	---	---	---	---	---	---	---	---	---	173	140	147
6	---	---	---	---	---	---	---	---	---	167	140	149
7	---	---	---	---	---	---	---	---	---	173	140	152
8	---	---	---	---	---	---	---	---	---	181	170	176
9	---	---	---	---	---	---	---	---	---	201	140	172
10	---	---	---	---	---	---	---	---	---	216	142	165
11	---	---	---	---	---	---	---	---	---	172	146	158
12	---	---	---	---	---	---	---	---	---	170	140	152
13	---	---	---	---	---	---	---	---	---	172	141	154
14	---	---	---	---	---	---	---	---	---	175	140	154
15	---	---	---	---	---	---	---	---	---	226	141	182
16	---	---	---	---	---	---	---	---	---	194	141	167
17	---	---	---	---	---	---	---	---	---	171	140	150
18	---	---	---	---	---	---	---	---	---	187	140	153
19	---	---	---	---	---	---	---	---	---	182	140	158
20	---	---	---	---	---	---	---	---	---	179	140	154
21	---	---	---	---	---	---	---	---	---	173	141	154
22	---	---	---	---	---	---	---	---	---	192	167	176
23	---	---	---	---	---	---	---	---	---	187	140	160
24	---	---	---	---	---	---	---	---	---	158	127	143
25	---	---	---	---	---	---	---	---	---	153	129	141
26	---	---	---	---	---	---	---	---	---	158	140	151
27	---	---	---	---	---	---	---	---	---	157	143	152
28	---	---	---	---	---	---	---	---	---	185	142	155
29	---	---	---	---	---	---	---	---	---	165	140	149
30	---	---	---	---	---	---	---	---	---	174	140	149
31	---	---	---	---	---	---	---	---	---	174	140	154

183

LOCATION.--Lat 32°58'30", long 79°56'26", Berkeley County, Hydrologic Unit 03050201, on west side of Back River 0.1 mi (0.16 km) below junction of Foster Creek.

PERIOD OF RECORD.--July 1982 to September 1982.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1982 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 436 micromhos Aug. 28, 1982; minimum, 200 micromhos Sept. 5, 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 436 micromhos Aug. 28; minimum, 200 micromhos Sept. 5.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

[illegible]

EDISTO RIVER BASIN

02172640 DEAN SWAMP CREEK NEAR SALLEY, S.C.

LOCATION.--Lat 33°35'21", long 81°21'57", Aiken County, Hydrologic Unit 03050204, on right downstream abutment of county road bridge, 1.4 mi (2.3 km) downstream from Johnsons Pond, 4.0 mi (6.4 km) southwest of Wagener, and 4.0 mi (6.4 km) northwest of Salley.

DRAINAGE AREA.--31.2 mi² (80.0 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 270 ft (82 m) (from topographic map).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 110 ft³/s (3.12 m³/s) Dec. 31, gage height, 3.98 ft (1.213 m); minimum daily, 18 ft³/s (0.51 m³/s) Oct. 1-4.

EXTREMES FOR CURENT YEAR.--Maximum discharge, 110 ft³/s (3.12 m³/s) Dec. 31, gage height, 3.98 ft (1.213 m); minimum daily, 18 ft³/s (0.51 m³/s) Oct. 1-4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	26	28	47	27	30	27	27	22	22	24	23
2	18	25	29	34	26	28	27	26	21	21	27	23
3	18	24	26	36	29	28	27	26	33	21	32	23
4	18	24	25	36	37	27	26	26	40	21	30	22
5	19	24	24	31	32	27	27	26	31	32	29	21
6	19	24	24	32	29	27	28	25	27	25	30	21
7	19	24	23	32	28	35	27	24	24	24	27	21
8	20	23	23	30	27	32	29	24	22	24	25	21
9	20	24	23	28	25	29	32	22	20	23	26	21
10	27	24	23	27	24	28	28	22	22	24	27	22
11	28	24	23	26	23	28	27	22	26	24	25	25
12	25	24	23	25	23	27	27	22	24	23	24	25
13	23	24	23	27	26	27	27	22	26	23	24	24
14	22	24	29	32	24	27	27	22	24	24	24	24
15	22	24	40	31	24	27	28	22	24	42	24	24
16	22	24	32	29	24	28	27	22	23	40	23	23
17	21	24	28	28	36	28	29	22	23	31	23	23
18	22	24	27	27	35	28	31	23	24	23	25	23
19	22	23	25	27	29	28	28	24	23	22	26	24
20	21	22	24	27	26	28	32	24	23	22	25	34
21	22	21	24	26	26	27	31	24	22	24	24	28
22	22	23	24	25	25	27	28	23	23	24	24	26
23	22	26	27	28	26	27	26	23	23	22	23	24
24	23	27	26	29	26	27	26	23	24	22	23	24
25	27	26	44	27	26	27	28	23	24	22	23	23
26	29	25	33	26	26	25	42	23	23	26	22	24
27	26	24	30	25	32	24	42	30	23	28	22	24
28	23	24	28	25	32	24	34	32	23	28	22	23
29	21	24	29	25	---	24	30	27	22	26	22	22
30	21	25	26	25	---	30	28	24	22	24	22	22
31	25	---	57	26	---	29	---	24	---	24	22	---
TOTAL	685	724	870	899	773	858	876	749	731	781	769	707
MEAN	22.1	24.1	28.1	29.0	27.6	27.7	29.2	24.2	24.4	25.2	24.8	23.6
MAX	29	27	57	47	37	35	42	32	40	42	32	34
MIN	18	21	23	25	23	24	26	22	20	21	22	21

CAL YR 1981. TOTAL 8854 MEAN 24.3 MAX 57 MIN 18
WTR YR 1982 TOTAL 9422 MEAN 25.8 MAX 57 MIN 18

EDISTO RIVER BASIN

185

02173000 SOUTH FORK EDISTO RIVER NEAR DENMARK, S.C.

LOCATION.--Lat 33°23'35", long 81°08'00", Bamberg-Orangeburg County Line, Hydrologic Unit 03050204, on left bank at downstream side of bridge on U.S. Highway 321, 360 ft (110 m) downstream from Seaboard Coast Line Railroad Bridge, 1.8 mi (2.9 km) downstream from Little River, and 4.8 mi (7.7 km) north of Denmark.

DRAINAGE AREA.--720 mi² (1,865 km²) approximately (measured on topographic and highway planning survey maps).

PERIOD OF RECORD.--August 1931 to September 1971, October 1980 to September 1981.

GAGE.--Water-stage recorder. Datum of gage is 155.68 ft (47.451 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 27, 1931, nonrecording gage at same site and datum.

REMARKS.--Records good, except those for period of no gage-height record Oct. 1 to Dec. 10, which are fair.

AVERAGE DISCHARGE.--42 years (water years 1932-71, 1981 to current year), 787 ft³/s (22.29 m³/s), 14.84 in/yr (377 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft³/s (382 m³/s) Apr. 11, 1936, gage height, 10.91 ft (3.33 m), from rating curve extended above 7,100 ft³/s (201 m³/s) on basis of velocity-area studies; minimum, 146 ft³/s (4.13 m³/s) Aug. 12, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 11.7 ft (3.57 m) in October 1929, on basis of information from State Highway Department (discharge 17,100 ft³/s (484 m³/s) by conveyance-slope study).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,200 ft³/s (62.3 m³/s) Jan. 6, gage height, 7.41 ft (2.259 m); minimum daily, 194 ft³/s (5.49 m³/s) Sept. 9.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	310	450	450	1740	828	906	556	1040	463	468	419	225
2	300	460	490	1850	814	873	548	1080	470	443	435	227
3	300	470	520	1920	808	837	543	1000	465	428	426	226
4	290	470	560	1970	837	803	535	851	503	378	396	232
5	290	450	540	2060	860	803	530	739	501	334	363	229
6	290	430	540	2180	895	830	545	644	498	334	372	220
7	300	410	530	1990	976	851	550	567	503	348	407	216
8	300	400	520	1710	1030	876	554	537	463	407	414	202
9	300	390	500	1550	1160	861	623	511	431	417	416	194
10	310	390	480	1470	1230	851	690	488	411	414	428	205
11	320	380	462	1340	1140	840	713	455	404	425	435	240
12	330	380	446	1160	1050	807	747	434	366	428	450	269
13	340	370	432	1020	1080	781	719	411	369	405	470	284
14	340	370	434	1030	1080	771	677	387	417	398	485	299
15	350	380	489	1110	1030	752	661	369	460	398	492	315
16	350	390	550	1090	985	716	641	353	493	420	486	323
17	340	390	598	1040	998	684	600	348	470	443	470	310
18	340	390	686	972	1010	680	573	353	483	470	458	294
19	330	400	751	907	1040	675	563	365	498	501	431	284
20	330	400	763	897	1060	670	574	362	491	548	402	293
21	330	400	824	915	1030	661	671	360	441	603	377	323
22	330	400	960	915	1080	640	692	363	441	609	374	366
23	340	400	977	901	1170	620	685	363	422	548	367	390
24	340	410	877	928	1110	612	654	365	383	501	334	400
25	350	420	853	939	1000	618	624	377	357	475	301	409
26	370	430	860	923	913	614	755	372	366	435	280	422
27	390	420	833	903	904	597	913	395	393	422	263	432
28	400	420	850	865	931	575	1010	416	432	393	256	424
29	420	430	954	829	---	566	1020	425	470	381	249	389
30	430	430	992	815	---	560	1010	435	485	438	246	356
31	440	---	1280	817	---	559	---	446	---	419	236	---
TOTAL	10500	12330	21001	38756	28049	22489	20176	15611	13349	13631	11938	8998
MEAN	339	411	677	1250	1002	725	673	504	445	440	385	300
MAX	440	470	1280	2180	1230	906	1020	1080	503	609	492	432
MIN	290	370	432	815	808	559	530	348	357	334	236	194
CFSM	.47	.57	.94	1.74	1.39	1.01	.94	.70	.62	.61	.54	.42
IN.	.54	.64	1.09	2.00	1.45	1.16	1.04	.81	.69	.70	.62	.46

CAL YR 1981 TOTAL 196074 MEAN 537 MAX 1540 MIN 240 CFSM .75 IN 10.13
WTR YR 1982 TOTAL 216828 MEAN 594 MAX 2180 MIN 194 CFSM .83 IN 11.20

02173500 NORTH FORK EDISTO RIVER AT ORANGEBURG, S.C.

LOCATION.--Lat 33°29'00", long 80°52'25", Orangeburg County, Hydrologic Unit 03050203, on left bank under bridge on U.S. Highway 301 at Orangeburg, 0.5 mi (0.8 km) upstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) downstream from Caw Caw Swamp and at mile 22.1 (35.6 km).

DRAINAGE AREA.--683 mi² (1,770 km²).

REVISED RECORDS.--WSP 1032: Drainage area.

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

GAGE.--Water-stage recorder. Datum of gage is 149.02 ft (45.421 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Feb. 23, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good. About 7.6 ft³/s (0.22 m³/s) diverted by City of Orangeburg for municipal supply.

AVERAGE DISCHARGE.--44 years, 794 ft³/s (22.49 m³/s), 15.79 in/yr (401 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,500 ft³/s (269 m³/s) Sept. 18, 1945, gage height, 14.28 ft (4.353 m), from rating curve extended above 5,300 ft³/s (150 m³/s) by velocity-area studies; minimum, 190 ft³/s (5.38 m³/s) Sept. 13, 14, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 14.7 ft (4.48 m) in September 1928, discharge, 10,000 ft³/s (283 m³/s), from rating curve extended as described above, on basis of information from Department of Public Utilities, City of Orangeburg.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,850 ft³/s (52.4 m³/s), Jan. 6, gage height 8.10 ft (2.469 m); minimum, 298 ft³/s (8.44 m³/s) Oct. 7.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	312	460	453	1500	840	960	605	889	439	398	452	324
2	308	476	504	1690	831	924	597	889	456	378	462	320
3	305	484	536	1730	840	886	593	909	516	362	482	318
4	304	475	563	1660	863	857	589	868	837	348	470	322
5	302	449	568	1670	880	840	589	795	1130	338	449	325
6	301	429	561	1830	886	854	607	714	1120	348	446	323
7	300	416	545	1670	909	892	607	648	957	352	435	323
8	303	406	540	1390	921	900	622	589	808	350	453	326
9	308	397	539	1230	960	895	726	548	681	352	496	324
10	318	393	518	1210	1040	877	778	516	603	375	527	326
11	334	391	494	1140	994	860	775	488	569	424	537	337
12	344	390	470	1010	942	842	753	467	522	417	575	350
13	347	390	455	933	991	820	720	449	496	424	644	360
14	349	390	457	933	1010	806	685	432	489	517	664	368
15	349	388	508	985	994	786	666	414	474	516	662	378
16	346	388	562	1060	960	762	650	398	478	552	595	387
17	344	394	618	1020	988	745	642	392	480	628	536	394
18	342	404	683	960	1010	740	671	421	498	845	539	410
19	339	405	735	912	1070	732	658	471	546	1090	540	470
20	336	410	756	892	1070	726	681	466	524	1140	520	542
21	336	413	775	889	1010	718	753	443	477	1080	485	593
22	337	410	851	889	957	701	817	429	439	906	445	743
23	336	406	885	892	1010	687	825	412	435	722	421	773
24	343	418	844	915	997	685	792	410	426	662	407	705
25	366	435	835	930	927	693	756	438	407	666	393	668
26	388	428	829	930	874	687	868	457	408	611	377	673
27	404	428	881	903	889	669	957	449	435	516	360	669
28	422	430	904	871	936	646	1000	559	446	469	339	632
29	430	428	977	842	---	628	975	589	445	453	328	559
30	435	431	1010	828	---	613	945	477	428	459	325	505
31	444	---	1200	828	---	607	---	438	---	471	320	---
TOTAL	10732	12562	21056	35142	26599	24038	21902	16864	16969	17169	14684	13747
MEAN	346	419	679	1134	950	775	730	544	566	554	474	458
MAX	444	484	1200	1830	1070	960	1000	909	1130	1140	664	773
MIN	300	388	453	828	831	607	589	392	407	338	320	318
CFSM	.51	.61	.99	1.66	1.39	1.14	1.07	.80	.83	.81	.69	.67
IN.	.58	.68	1.15	1.91	1.45	1.31	1.19	.92	.92	.94	.80	.75

CAL YR 1981 TOTAL 194244 MEAN 532 MAX 1210 MIN 300 CFSM .78 IN 10.58
WTR YR 1982 TOTAL 231464 MEAN 634 MAX 1830 MIN 300 CFSM .93 IN 12.61

EDISTO RIVER BASIN

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02174000 EDISTO RIVER NEAR BRANCHVILLE, S.C.

LOCATION.--Lat 33°10'35", long 80°45'05", Bamberg County, Hydrologic Unit 03050205, on right bank 400 ft (120 m) downstream from bridge on U.S. Highway 21, 4.7 mi (7.6 km) downstream from Brier Branch, 5.2 mi (8.4 km) south of Branchville, and at mile 100.0 (160.9 km).

DRAINAGE AREA.--1,720 mi² (4,450 km²), approximately.

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 80.02 ft (24.390 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 19, 1949, at datum 1.00 ft (0.305 m) higher.

REMARKS.--Records good, except for period of no gage-height record, Oct. 6 to Nov. 19, which is poor.

AVERAGE DISCHARGE.--37 years, 2,020 ft³/s (57.21 m³/s), 15.95 in/yr (405 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft³/s (413 m³/s) Sept. 3, 1964, gage height, 11.44 ft (3.487 m); minimum, 323 ft³/s (9.15 m³/s) Aug. 14, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 13.5 ft (4.11 m), present datum, in September 1928, on basis of information from State Highway Department, discharge, 25,700 ft³/s (728 m³/s), by conveyance-slope study.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,700 ft³/s (133 m³/s), Jan. 9, gage height, 8.14 ft (2.481 m); minimum daily, 560 ft³/s (15.9 m³/s) Oct. 6.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1941 TO SEPTEMBER 1942
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	596	920	913	2600	2360	2690	1480	2740	1140	1120	1210	713
2	589	940	960	2860	2300	2670	1450	2630	1060	1070	1220	698
3	583	960	994	3320	2310	2660	1440	2520	1030	1020	1150	686
4	569	940	1040	4030	2390	2630	1420	2410	1090	956	1120	677
5	562	900	1080	4480	2470	2540	1400	2350	1220	905	1100	674
6	560	880	1120	4610	2510	2460	1390	2340	1340	848	1100	671
7	580	860	1140	4640	2500	2410	1380	2250	1460	803	1090	665
8	600	820	1150	4660	2480	2370	1390	2060	1600	794	1090	659
9	640	800	1160	4680	2460	2360	1430	1830	1660	815	1120	659
10	660	800	1160	4430	2500	2390	1490	1610	1580	863	1120	656
11	680	780	1160	4000	2580	2410	1580	1430	1420	878	1100	665
12	680	760	1150	3610	2700	2380	1680	1310	1260	917	1100	689
13	700	760	1120	3430	2950	2330	1730	1210	1190	959	1120	713
14	720	780	1070	3370	3100	2280	1750	1130	1150	977	1200	749
15	720	780	1060	3300	3120	2210	1740	1050	1120	1080	1350	770
16	700	780	1090	3180	3120	2120	1700	992	1080	1200	1430	788
17	700	800	1130	3110	3080	2060	1660	950	1080	1240	1440	803
18	680	820	1190	3080	3040	2030	1660	965	1160	1350	1460	815
19	680	840	1250	3030	3010	1990	1730	953	1330	1390	1530	866
20	680	834	1320	2940	2980	1950	1770	971	1410	1420	1510	941
21	660	839	1390	2830	2930	1900	1770	995	1390	1510	1390	1030
22	660	847	1460	2730	2900	1840	1760	971	1320	1690	1260	1090
23	680	850	1530	2650	2850	1790	1770	956	1230	1870	1140	1120
24	700	857	1610	2620	2760	1750	1790	932	1140	1980	1040	1150
25	720	864	1740	2610	2700	1730	1830	1100	1060	2100	977	1200
26	760	877	1910	2610	2740	1710	1990	1190	1020	2030	932	1250
27	800	889	2020	2610	2770	1690	2250	1200	980	1770	881	1260
28	840	894	2070	2590	2740	1670	2570	1280	1090	1510	833	1250
29	860	897	2130	2550	---	1630	2740	1290	1170	1320	788	1240
30	880	900	2130	2490	---	1570	2780	1280	1150	1190	746	1220
31	900	---	2290	2420	---	1520	---	1250	---	1170	725	---
TOTAL	21339	25468	42537	102070	76350	65740	52520	46145	36930	38745	35272	26367
MEAN	688	849	1372	3293	2727	2121	1751	1489	1231	1250	1138	879
MAX	900	960	2290	4680	3120	2690	2780	2740	1660	2100	1530	1260
MIN	560	760	913	2420	2300	1520	1380	932	980	794	725	656
CFSM	.40	.49	.80	1.92	1.59	1.23	1.02	.87	.72	.73	.66	.51
IN.	.46	.55	.92	2.21	1.65	1.42	1.14	1.00	.80	.84	.76	.57
CAL YR 1941	TOTAL	434833	MEAN	1191	MAX	3190	MIN	560	CFSM	.69	IN	9.40
WTR YR 1942	TOTAL	569483	MEAN	1560	MAX	4680	MIN	560	CFSM	.91	IN	12.32

EDISTO RIVER BASIN

02175000 EDISTO RIVER NEAR GIVHANS, S.C.
(National stream-quality accounting network station)
(Pesticide program station)

LOCATION.--Lat 33°01'40", long 80°23'30", Dorchester County, Hydrologic Unit 03050205, on left bank at downstream side of bridge on State Highway 61, 2.3 mi (3.7 km) downstream from Four Hole Swamp, 2.8 mi (4.5 km) west of Givhans, and at mile 59.9 (96.4 km).

DRAINAGE AREA.--2,730 mi² (7,070 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1939 to current year.

REVISED RECORDS.--WSP 1032: Drainage area. WSP 1303: 1939 (monthly and yearly runoff).

GAGE.--Water-stage recorder. Datum of gage is 20.46 ft (6.236 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. About 110 ft³/s (3.2 m³/s) a day diverted above station for Charleston water supply during year.

AVERAGE DISCHARGE.--43 years, 2,662 ft³/s (75.39 m³/s), 13.24 in/yr (336 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,500 ft³/s (694 m³/s) June 14, 1973, gage height, 15.84 ft (4.828 m); minimum, 290 ft³/s (8.21 m³/s) Aug. 16, 1956, gage height, 0.51 ft (0.155 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1904, 17.5 ft (5.33 m) in February 1925, from investigation by Charleston Commissioners of Public Works, discharge, 24,900 ft³/s (705 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,490 ft³/s (212 m³/s), Jan. 9, gage height, 11.46 ft (3.493 m); minimum daily, 494 ft³/s (14.0 m³/s), Oct. 8, 9.

DISCHARGE. IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	540	656	721	2460	3200	3600	1780	4250	1380	1350	1740	737
2	536	664	740	3150	3240	3610	1710	4230	1350	1240	1600	693
3	526	674	778	3850	3090	3560	1650	4120	1280	1130	1540	666
4	524	682	820	4390	3090	3480	1590	3940	1190	1060	1460	652
5	522	696	844	5330	3090	3400	1550	3740	1180	1040	1340	642
6	504	715	871	6330	3120	3330	1600	3530	1260	1020	1280	626
7	498	734	898	6990	3130	3350	1640	3290	1330	970	1260	614
8	494	748	925	7340	3140	3490	1600	3090	1360	985	1230	600
9	494	757	946	7470	3180	3640	1570	2960	1380	985	1310	582
10	500	751	958	7380	3280	3700	1600	2810	1410	919	1580	580
11	508	740	967	7100	3310	3630	1620	2570	1460	982	1690	600
12	516	723	970	6680	3350	3520	1650	2360	1470	1080	1590	616
13	520	707	973	6190	3720	3440	1690	2060	1440	1020	1440	616
14	530	696	973	5780	4340	3340	1710	1770	1380	1170	1650	612
15	546	686	970	5490	4800	3230	1750	1540	1280	1980	1980	618
16	556	682	964	5290	4920	3080	1780	1370	1190	2520	1890	626
17	564	678	961	5130	4950	2940	1800	1220	1120	2620	1740	632
18	568	674	964	4940	4940	2880	1820	1120	1310	2560	1680	638
19	572	672	985	4710	4890	2850	1840	1060	2440	2520	1600	644
20	566	670	1010	4510	4780	2740	1470	1030	3090	2660	1550	666
21	560	670	1060	4350	4610	2630	1930	1010	2910	3200	1580	693
22	560	670	1100	4210	4440	2500	2020	1010	2550	3220	1690	754
23	562	670	1140	4060	4290	2390	2080	1010	2460	2940	1770	829
24	562	676	1200	3970	4170	2290	2100	999	2470	2650	1760	868
25	564	682	1280	3890	4020	2200	2080	1020	2190	2480	1720	889
26	578	686	1380	3810	3870	2130	2230	1100	1790	2430	1580	967
27	592	693	1520	3700	3700	2050	2440	1210	1480	2480	1380	1090
28	608	702	1640	3590	3610	1990	3530	1320	1410	2550	1180	1130
29	620	707	1770	3490	---	1930	4020	1420	1440	2550	1070	1100
30	634	712	1960	3380	---	1880	4190	1480	1430	2440	961	1080
31	646	---	2200	3290	---	1840	---	1430	---	2050	829	---
TOTAL	17070	20873	34488	152250	108270	90640	60840	65069	49430	58801	46670	22060
MEAN	551	696	1113	4911	3867	2924	2028	2099	1648	1897	1505	735
MAX	646	757	2200	7470	4950	3700	4190	4250	3090	3220	1980	1130
MIN	494	656	721	2460	3090	1840	1550	999	1120	919	829	580
CAL YR 1981	TOTAL	438532	MEAN	1201	MAX	3030	MIN	494				
WTR YR 1982	TOTAL	726461	MEAN	1990	MAX	7470	MIN	494				

EDISTO RIVER BASIN

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02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1967 to July 1973, October 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
NOV 04...	0930	688	98	6.7	18.0	1.4	8.5	K26	167	14	.00	4.1
JAN 06...	1015	6380	75	5.8	9.5	4.4	9.0	195	610	21	14	6.4
MAR 03...	1015	3500	72	6.4	10.0	2.2	10.7	K43	90	19	7.0	5.6
MAY 13...	0845	1990	77	6.4	23.0	1.7	6.6	K20	740	20	1.0	6.4
JUL 08...	1000	961	78	6.7	17.5	2.6	7.6	93	533	19	1.0	6.1
SEP 02...	1000	696	72	6.9	28.0	4.6	6.8	72	770	16	1.0	5.1
DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)
NOV 04...	1.0	13	64	1.6	1.5	14	14	12	<.1	9.2	68	63
JAN 06...	1.3	5.0	32	.5	1.4	7.0	15	7.4	<.1	6.5	78	48
MAR 03...	1.1	7.7	46	.8	1.2	12	7.7	9.3	<.1	1.8	62	42
MAY 13...	1.0	8.6	46	.9	1.2	19	8.0	9.2	<.1	3.5	65	50
JUL 08...	.8	6.7	42	.7	1.0	18	7.0	8.5	<.1	6.3	68	48
SEP 02...	.7	6.9	47	.8	1.1	15	7.0	7.7	<.1	6.8	57	44
DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	PCB, TOTAL (UG/L)
NOV 04...	.09	126	.07	.020	.03	.42	.140	.43	.110	.060	.18	--
JAN 06...	.11	1340	.10	.010	.01	1.70	.040	.12	.030	<.010	--	--
MAR 03...	.08	586	.11	.030	.04	.31	.060	.18	.030	.010	.03	--
MAY 13...	.09	349	.24	.040	.05	.82	.090	.28	.070	.040	.12	<.10
JUL 08...	.09	176	.22	.100	.13	.80	.090	.28	.110	.040	.12	<.10
SEP 02...	.08	107	.24	.030	.04	.40	.110	.34	.080	.040	.12	<.10

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 04...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 06...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 13...	<1	<1.0	<.01	<.1	<.10	18	<.01	<.1	<.01	<.1	<.01	<.1
JUL 08...	--	--	<.01	--	<.10	--	<.01	--	<.01	--	<.01	--
SEP 02...	--	--	<.01	--	<.10	--	<.01	--	<.01	--	<.01	--

DATE	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)
NOV 04...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 06...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 13...	<.01	2.8	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.1	<.01
JUL 08...	<.01	--	<.01	--	<.01	--	<.01	<.01	--	<.01	--	<.01
SEP 02...	<.01	--	<.01	--	<.01	--	<.01	<.01	--	<.01	--	<.01

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)
NOV 04...	--	--	--	--	--	--	--	--	--	--	--
JAN 06...	--	--	--	--	--	--	--	--	--	--	--
MAR 03...	--	--	--	--	--	--	--	--	--	--	--
MAY 13...	<.1	<.01	<.01	<.1	<.01	<.01	<.01	<.1	<.10	<.01	<.10
JUL 08...	--	<.01	<.01	--	<.01	<.01	<.01	--	<.10	<.01	<.10
SEP 02...	--	<.01	<.01	--	<.01	<.01	<.01	--	<.10	<.01	<.10

EDISTO RIVER BASIN

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02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PER-THANE IN BOTTOM MATERIAL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 04...	--	--	--	--	--	--	--	--	7	13	59
JAN 06...	--	--	--	--	--	--	--	--	4	69	65
MAR 03...	--	--	--	--	--	--	--	--	2	21	42
MAY 13...	<1.00	<1	<10	<.01	<.01	.02	<.01	<.01	1	6.4	100
JUL 08...	--	<1	--	<.01	<.01	<.01	<.01	<.01	1	2.6	45
SEP 02...	--	<1	--	<.01	.02	<.01	<.01	<.01	6	11	52

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)
JAN 06...	1015	1	1	0	<100	65	1	<1	10	<10	<1	<1
MAR 03...	1015	1	0	1	<100	120	<1	<1	20	<10	<1	<1
MAY 13...	0845	2	1	1	<100	74	1	<1	10	<10	2	<1
JUL 08...	1000	1	--	<1	<100	47	<1	<1	10	<10	<1	1

DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
JAN 06...	5	0	5	350	120	230	<1	--	<1	80	10	68
MAR 03...	5	--	<1	340	60	280	5	--	<1	<10	--	8
MAY 13...	8	5	3	930	330	600	3	0	3	50	20	26
JUL 08...	7	4	3	830	390	440	<1	--	<1	50	20	26

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
JAN 06...	.1	<.1	1	--	<1	<1	<1	<1	2	10	0	15
MAR 03...	<.1	<.1	4	2	2	<1	<1	<1	<1	20	5	15
MAY 13...	<.1	<.1	4	0	5	<1	<1	<1	<1	20	0	40
JUL 08...	<.1	<.1	<1	--	<1	<1	<1	<1	<1	220	190	26

LOCATION.--Lat 32°59'20", long 81°03'10", Hampton County, Hydrologic Unit 03050207, on right bank 90 ft (27 m) downstream from bridge on U.S. Highway 601, 2.4 mi (3.9 km) downstream from Savannah Creek, 3.1 mi (5.0 km) upstream from Hampton and Branchville Railroad bridge, 3.1 mi (5.0 km) northwest of Mile, and at mile 68.0 (109.4 km).

PERIOD OF RECORD.--February 1951 to current year.

REMARKS.--Records good.

AVERAGE DISCHARGE.--31 years, 349 ft³/s (9.884 m³/s), 13.90 in/yr (353 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,300 ft³/s (93.5 m³/s) Mar. 13, 1980, gage height, 5.44 ft (1.658 m); minimum, 17 ft³/s (0.48 m³/s) Sept. 13, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,110 ft³/s (31.4 m³/s) Jan. 5, gage height, 4.17 ft (1.271 m); minimum daily, 52 ft³/s (1.47 m³/s) Oct. 4. 5. 8.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	168	178	781	344	355	206	591	280	203	242	97
2	57	159	234	762	341	371	203	508	337	176	210	88
3	53	148	255	890	355	375	199	445	327	150	186	84
4	52	140	255	1040	371	375	192	359	292	121	170	81
5	52	140	250	1080	391	363	201	274	387	105	155	76
6	53	154	257	1090	413	355	257	224	584	106	140	73
7	53	155	266	973	431	351	269	199	620	136	147	72
8	52	147	263	839	440	341	257	180	490	161	152	69
9	54	140	247	744	450	327	266	163	395	199	166	65
10	66	139	220	659	450	327	271	147	320	260	186	69
11	85	139	194	557	417	330	269	137	201	237	269	88
12	97	134	180	480	404	334	260	126	147	197	359	103
13	105	131	170	440	460	327	255	112	154	170	399	115
14	110	130	178	480	502	307	242	105	190	178	317	120
15	111	128	212	519	502	283	210	96	206	201	301	121
16	106	130	252	544	513	260	186	91	192	269	317	119
17	97	137	271	544	525	255	186	110	244	465	286	112
18	89	136	286	564	544	280	224	220	344	700	250	106
19	82	137	304	557	525	334	244	199	475	675	234	116
20	78	137	320	544	490	379	286	159	445	717	250	117
21	76	139	327	508	455	367	317	144	363	557	252	128
22	76	140	327	460	431	320	311	136	295	496	199	157
23	78	142	317	417	413	289	301	137	239	465	164	178
24	78	157	295	413	383	263	277	145	199	426	148	192
25	99	163	301	408	351	260	274	144	194	344	134	190
26	112	166	304	399	323	252	404	150	217	298	116	180
27	117	166	314	391	327	237	651	234	247	252	102	168
28	130	166	298	387	344	224	829	337	229	263	112	154
29	145	166	417	379	---	217	829	348	232	341	184	142
30	161	170	460	371	---	212	692	252	227	355	144	131
31	172	---	570	355	---	208	---	242	---	260	111	---
TOTAL	2754	4404	8722	18575	11895	9478	9568	6714	9072	9483	6402	3511
MEAN	88.8	147	281	599	425	306	319	217	302	306	207	117
MAX	172	170	570	1090	544	379	829	591	620	717	399	192
MIN	52	128	170	355	323	208	186	91	147	105	102	65
CFSM	.26	.43	.82	1.76	1.25	.90	.94	.64	.89	.90	.61	.34
IN.	.30	.48	.95	2.03	1.30	1.03	1.04	.73	.99	1.03	.70	.38
CAL YR 1981	TOTAL	68978	MEAN	189	MAX	635	MIN	44	CFSM	.55	IN	7.52
WTR YR 1982	TOTAL	100578	MEAN	276	MAX	1090	MIN	52	CFSM	.81	IN	10.97

BROAD RIVER BASIN

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02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.
(National stream-quality accounting network station)

LOCATION.--Lat 32°50'10", long 81°07'55", Hampton County, Hydrologic Unit 03050208, near left bank on downstream side of bridge on U.S. Highway 601, 1.6 mi (2.6 km) downstream from Black Creek, 2.5 mi (4.0 km) southwest of Hampton, and at mile 33.6 (54.1 km).

DRAINAGE AREA.--203 mi² (526 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 50.30 ft (15.331 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 26, 1954, nonrecording gage at same site and datum.

REMARKS.--Records fair except those below 10 ft³/s which are poor.

AVERAGE DISCHARGE.--31 years, 184 ft³/s (5.211 m³/s), 12.31 in/yr (313 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,160 ft³/s (231 m³/s) Sept. 2, 1969, gage height, 8.39 ft (2.557 m), from floodmarks; no flow for some days in 1951, 1954, 1956, 1957, 1968, 1969, 1980, 1981, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 989 ft³/s (28.0 m³/s) July 18, gage height, 4.55 ft (1.387 m); no flow Oct. 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.24	3.1	10	549	203	315	87	484	192	389	141	7.4
2	.06	3.2	24	600	207	305	83	326	156	280	159	6.5
3	.00	3.1	20	571	231	280	83	235	162	178	153	5.6
4	.00	3.1	22	549	261	248	78	182	463	117	113	4.7
5	.78	3.8	32	556	285	231	87	147	630	95	79	4.1
6	.96	3.9	35	529	290	239	200	117	408	93	55	3.5
7	.78	3.5	32	463	280	326	305	97	295	110	42	3.2
8	.48	3.8	27	359	252	389	275	81	200	168	38	3.1
9	.18	4.5	24	290	275	365	227	69	117	192	45	3.1
10	.72	5.3	19	243	371	315	189	58	76	270	51	6.5
11	1.5	5.6	17	203	408	270	159	54	64	248	58	8.6
12	1.4	5.1	15	178	402	239	128	43	60	290	58	9.6
13	1.5	5.1	14	192	623	219	104	34	64	408	128	10
14	1.7	5.1	18	326	847	196	85	27	79	800	108	9.6
15	1.7	5.8	34	514	678	178	71	22	93	623	117	9.3
16	1.4	5.6	60	549	549	162	61	18	85	484	104	7.4
17	1.3	5.8	74	499	514	162	63	27	106	678	138	5.3
18	1.3	5.6	83	402	522	200	110	78	320	896	91	3.9
19	1.1	5.3	74	337	522	252	215	91	746	686	76	3.5
20	.90	5.6	57	295	470	252	223	74	686	754	64	5.3
21	.78	5.3	49	270	402	231	196	57	449	638	61	12
22	.78	5.6	43	261	342	196	165	43	275	421	55	19
23	.66	5.6	41	257	300	165	130	34	189	290	47	20
24	.66	7.1	44	275	270	147	101	43	231	300	34	18
25	1.5	7.1	83	295	243	141	104	85	305	305	26	14
26	2.1	7.4	113	285	227	141	348	138	463	248	20	13
27	2.4	8.3	136	266	248	130	720	159	477	182	14	12
28	2.6	8.9	133	235	290	110	828	320	348	133	12	12
29	2.9	9.3	150	215	---	97	694	529	295	110	11	10
30	3.1	9.3	150	203	---	89	654	396	383	122	9.3	8.3
31	3.2	---	295	200	---	89	---	261	---	110	8.3	---
TOTAL	38.68	165.8	1928	10966	10512	6679	6773	4329	8417	10618	2115.6	258.5
MEAN	1.25	5.53	62.2	354	375	215	226	140	281	343	68.2	8.62
MAX	3.2	9.3	295	600	847	389	828	529	746	896	159	20
MIN	.00	3.1	10	178	203	89	61	18	60	93	8.3	3.1
CFSM	.006	.03	.31	1.74	1.85	1.06	1.11	.69	1.38	1.69	.34	.04
IN.	.01	.03	.35	2.01	1.93	1.22	1.24	.79	1.54	1.95	.39	.05
CAL YR 1981 TOTAL	18676.99			51.2	MAX 571	MIN .00	CFSM .25	IN 3.42				
WTR YR 1982 TOTAL	62800.58			172	MAX 896	MIN .00	CFSM .85	IN 11.51				

BROAD RIVER BASIN

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)
NOV 04...	1210	3.5	141	6.9	17.5	1.2	3.3	103	229	51
JAN 06...	1215	527	90	6.2	8.5	3.4	9.0	68	166	29
MAR 03...	1230	280	83	6.6	11.5	1.5	10.1	39	196	31
MAY 13...	1200	33	87	6.7	22.0	1.7	5.6	170	890	32
JUL 13...	1200	448	66	5.7	26.5	1.5	4.8	203	810	18
SEP 02...	1500	6.5	100	6.8	25.0	1.7	4.7	72	860	36

DATE	HARD- NESS NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 04...	6.0	16	2.7	9.8	28	.6	2.6	45	7.9	9.7
JAN 06...	18	8.8	1.8	6.2	30	.5	1.5	11	14	9.4
MAR 03...	10	9.2	1.9	7.2	33	.6	1.3	21	6.0	10
MAY 13...	5.0	9.6	2.0	5.6	26	.5	1.6	27	5.0	9.6
JUL 13...	10	4.6	1.6	5.0	34	.6	2.3	8.0	6.0	8.8
SEP 02...	1.0	11	2.1	4.9	22	.4	1.6	35	3.0	8.8

BROAD RIVER BASIN

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02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+N03 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)		
NOV 04...	<.1	17	116	93	.16	1.1	.03	.020	.03		
JAN 06...	<.1	9.7	91	58	.12	128	.21	.010	.01		
MAR 03...	<.1	5.7	80	54	.11	60.5	.09	.030	.04		
MAY 13...	<.1	7.3	84	58	.11	7.6	.23	.080	.10		
JUL 13...	<.1	6.6	97	41	.13	117	.11	.150	.19		
SEP 02...	.1	12	90	65	.12	1.6	.14	.090	.12		
DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM		
NOV 04...	.69	.100	.31	.070	.070	.21	9	.09	52		
JAN 06...	1.70	.050	.15	.050	.020	.06	1	1.4	81		
MAR 03...	.57	.060	.18	.040	.020	.06	1	.83	25		
MAY 13...	.89	.140	.43	.120	.100	.31	2	.19	82		
JUL 13...	1.30	.220	.67	.190	.180	.55	2	2.9	90		
SEP 02...	.60	.130	.40	.110	.100	.31	3	.05	72		
DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	
JAN 06...	1215	1	1	0	100	20	82	1	<1	<10	
MAR 03...	1230	1	0	2	<100	--	120	<1	<1	20	
MAY 13...	1200	2	1	1	<100	--	78	<1	<1	10	
JUL 13...	1200	1	--	<1	<100	--	77	<1	<1	10	
DATE	TIME	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)
JAN 06...	--	<10	<1	--	<1	3	0	3	300	100	
MAR 03...	--	<10	1	--	<1	6	--	<1	310	40	
MAY 13...	--	<10	1	--	<1	3	2	1	1000	240	
JUL 13...	0	10	6	1	5	5	2	3	1000	290	

BROAD RIVER BASIN

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
JAN 06...	200	<1	--	<1	20	9	11	.1	.0	.2
MAR 03...	270	5	--	<1	30	10	16	.1	.0	.1
MAY 13...	760	3	0	3	160	20	140	<.1	--	<.1
JUL 13...	710	5	3	2	90	10	76	<.1	--	<.1
DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
JAN 06...	<1	--	<1	<1	<1	<1	<1	40	10	26
MAR 03...	3	2	1	<1	<1	<1	<1	10	0	29
MAY 13...	5	1	4	<1	<1	<1	<1	20	0	43
JUL 13...	2	1	1	<1	<1	<1	<1	80	50	33

BROAD RIVER BASIN

02176830 GREAT SWAMP CANAL NO. 2 NEAR RIDGELAND, S.C.

LOCATION.--Lat 32°31'08", long 81°02'29", Jasper County, Hydrologic Unit 03050208, at bridge on South Carolina Secondary Highway 115, 4.4 mi (7.1 km) northwest of Ridgeland.

PERIOD OF RECORD.--October 1977 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
JAN 07...	1055	15	77	4.2	12.0	2.8	7.2	1.0	13	2.2	1.7
FEB 17...	1215	--	55	4.6	16.0	5.2	6.4	1.0	11	2.3	1.3
MAR 04...	1050	5.0	63	4.3	13.5	2.0	8.0	1.0	12	2.8	1.3
APR 27...	1215	46	42	4.4	19.0	17	5.6	1.0	6	1.1	.7
JUN 03...	1230	4.0	47	4.8	25.5	24	4.6	2.0	9	2.2	.9
JUL 14...	1115	33	43	4.3	24.5	4.4	5.4	2.0	4	.8	.5
AUG 04...	1045	5.0	39	4.3	24.5	60	5.2	1.5	6	1.6	.6

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)
JAN 07...	101	.14	4.1	--	--	<.010	--	.22	.020	.010	.03
FEB 17...	81	.11	--	--	--	<.010	--	.13	.030	.020	.06
MAR 04...	90	.12	1.2	--	--	--	--	--	--	--	--
APR 27...	78	.11	9.7	--	--	<.010	--	<.10	.020	.020	.06
JUN 03...	82	.11	.89	.12	.50	.090	.30	.21	.050	.040	.12
JUL 14...	84	.11	7.5	--	--	<.010	--	<.10	.020	.010	.03
AUG 04...	78	.11	1.0	--	--	.010	.03	<.10	.050	.040	.12

BROAD RIVER BASIN

02176845 GREAT SWAMP CANAL NO. 1 NEAR RIDGELAND, S.C.

LOCATION.--Lat 32°31'11", long 81°02'28", Jasper County, hydrologic unit 03050208, at bridge on South Carolina Secondary Highway 115, 5.4 mi (8.6 km) northwest of Ridgeland.

PERIOD OF RECORD.--October 1977 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
JAN 07...	1120	43	88	3.8	12.0	1.2	7.4	4.0	8	1.4	1.1
FEB 17...	1300	20	56	4.2	17.5	5.4	5.9	1.0	7	1.5	.9
MAR 04...	1110	7.6	65	3.9	14.5	2.0	9.2	1.0	8	1.5	1.0
APR 27...	1300	18	48	4.0	21.0	3.1	5.5	1.0	4	.9	.5
JUN 03...	1300	--	48	4.1	22.0	130	4.7	1.5	6	1.6	.6
JUL 14...	1315	--	43	4.2	25.5	22	5.5	3.0	2	.5	.2
AUG 04...	1130	21	40	4.4	26.0	120	5.0	2.0	6	1.9	.4

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)
JAN 07...	104	.14	12.1	--	--	<.010	--	.02	<.010	<.010	--
FEB 17...	80	.11	4.3	--	--	<.010	--	.05	.010	<.010	--
MAR 04...	90	.12	1.9	--	--	<.010	--	.01	<.010	<.010	--
APR 27...	86	.12	4.1	--	--	.010	.03	<.10	<.010	<.010	--
JUN 03...	104	.14	--	.09	.40	.020	.07	.11	.030	<.010	--
JUL 14...	6	.01	--	--	--	.010	.03	<.10	.020	1.30	4.0
AUG 04...	91	.12	5.2	--	--	.010	.03	<.10	.160	.020	.06

BROAD RIVER BASIN

199

02176875 GREAT SWAMP NEAR RIDGELAND, S.C.

LOCATION.--Lat 32°29'45", long 81°01'97", Jasper County, Hydrologic Unit 03050208, at upstream side of bridge on State Road 39 and 2.4 mi (3.9 km) northwest of Ridgeland.

DRAINAGE AREA.--48.8 mi² (126.4 mi²)

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year. Discharge below 400 ft³/s (11.3 m³/s) only.

GAGE.--Water-stage recorder. Altitude of gage is 35 ft (10.6 m) (from topographic map).

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 6.54 ft (1.993 m) June 19, 1982; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.54 ft (1.993 m) June 19; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.03	.00	.00	100	24	45	4.6	105	40	99	7.0	.01
2	.01	.00	.00	120	25	40	3.8	80	52	62	149	.01
3	.00	.00	.76	130	26	36	3.5	63	45	41	121	.00
4	.00	.00	.45	115	28	33	2.8	50	35	29	64	.00
5	.00	.00	.20	105	31	30	5.4	37	38	26	37	.00
6	.00	.11	.20	94	29	37	51	29	28	33	25	.00
7	.00	.39	.20	80	27	88	53	24	13	73	16	.00
8	.00	.20	.30	70	24	186	46	15	5.9	82	8.7	.00
9	.00	.09	.40	58	23	142	53	11	3.1	107	5.9	.00
10	.00	.08	.60	47	25	115	52	6.7	2.0	162	7.3	.02
11	.00	.06	1.0	40	25	92	43	4.2	1.9	186	5.7	.47
12	.37	.03	1.5	34	28	76	38	3.1	1.4	202	3.1	2.4
13	.11	.02	2.2	38	165	64	30	2.2	1.3	144	3.0	1.2
14	.03	.00	3.0	74	183	54	25	1.9	1.9	123	3.0	.54
15	.01	.00	5.0	105	152	46	18	1.5	1.5	274	1.5	.34
16	.00	.00	10	88	132	39	15	1.3	6.5	---	.91	.11
17	.00	.00	18	76	172	36	15	2.0	22	183	.64	.06
18	.00	.00	16	66	175	43	85	38	183	144	.68	.03
19	.00	.00	10	57	130	42	94	32	---	152	.60	.02
20	.00	.00	8.0	51	103	37	70	24	---	101	.50	.03
21	.00	.00	6.0	47	83	33	58	20	301	71	.39	.11
22	.00	.00	5.0	41	67	29	48	18	240	54	.34	.34
23	.00	.00	4.0	36	53	26	38	9.0	240	41	.37	.16
24	.00	.00	3.0	43	45	24	30	14	147	44	.11	.08
25	.00	.00	10	43	38	24	28	28	103	35	.08	.03
26	.00	.00	19	36	37	20	279	107	71	27	.03	.09
27	.00	.00	20	32	47	15	374	99	53	20	.02	.11
28	.00	.00	21	30	50	11	306	87	64	16	.02	.05
29	.00	.00	22	27	---	8.0	214	55	165	11	.09	.03
30	.00	.00	40	26	---	6.2	144	35	162	6.2	.08	.02
31	.00	---	80	25	---	5.2	---	32	---	4.4	.03	---
TOTAL	.56	.98	307.81	1934	1947	1482.4	2227.1	1034.9	---	---	462.09	6.26
MEAN	.018	.033	9.93	62.4	69.5	47.8	74.2	33.4	---	---	14.9	.21
MAX	.37	.39	.80	130	183	186	374	107	---	---	149	2.4
MIN	.00	.00	.00	25	23	5.2	2.8	1.3	---	---	.02	.00

BROAD RIVER BASIN

02176875 GREAT SWAMP NEAR RIDGELAND, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1977 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
DEC 03...	1130	.50	130	5.9	12.5	2.5	3.1	1.0	32	8.0	3.0
JAN 07...	1015	72	77	4.2	11.5	2.7	7.7	2.0	12	1.9	1.7
FEB 17...	1130	175	55	4.6	16.5	22	6.2	1.0	10	2.2	1.2
MAR 04...	1025	28	60	4.4	13.0	3.8	9.0	1.0	10	2.2	1.2
APR 27...	1100	300	43	4.6	19.5	6.4	5.5	1.5	6	1.2	.8
JUN 03...	1100	31	45	4.4	26.0	180	5.5	1.5	9	2.1	.8
JUL 14...	0745	124	40	4.4	25.0	7.9	5.2	3.5	6	1.3	.6
AUG 04...	0930	73	36	4.7	25.0	45	5.4	2.0	5	1.2	.5

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)
DEC 03...	124	.17	.17	.05	.20	.010	.03	.06	.060	.050	.15
JAN 07...	96	.13	18.7	--	--	<.010	--	.12	<.010	<.010	--
FEB 17...	76	.10	35.9	--	--	<.010	--	.08	.020	<.010	--
MAR 04...	82	.11	6.1	.11	.50	.010	.03	.12	<.010	<.010	--
APR 27...	76	.10	61.6	--	--	.010	.03	<.10	.020	.010	.03
JUN 03...	86	.12	7.2	.08	.40	.070	.23	.15	.020	.050	.15
JUL 14...	79	.11	26.4	--	--	<.010	--	.14	.030	.010	.03
AUG 04...	80	.11	15.7	--	--	.010	.03	<.10	.060	.030	.09

SAVANNAH RIVER BASIN

201

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C.--Rabon County, Ga., Hydrologic Unit 03060102, on left bank 150 ft (46 m) downstream from bridge on U.S. Highway 76, 2.8 mi (4.5 km) upstream from Stekoa Creek, 7 mi (11.3 km) southeast of Clayton, 9 mi (14.5 km) downstream from War Woman Creek, and 9 mi (14.5 km) upstream from Tallulah River. Water-quality sampling site at gaging station. See Water Resources Data for Georgia.

DRAINAGE AREA.--207 mi² (536 km²).

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

REVISED RECORDS.--WSP 1383: 1940-41, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,165.6 ft (355.3 m) National Geodetic Vertical Datum of 1929. May 1907 to June 1908, nonrecording gage at site 400 ft (122 m) upstream at different datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years (water years 1940-82), 658 ft³/s (18.63 m³/s), 43.17 in/yr (1,097 mm/yr).

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

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,400 ft³/s (96.3 m³/s) and maximum (*):

Date	Time	Discharge		Gage height	
		(ft ³ /s)	(m ³ /s)	(ft)	(m)
Jan. 4	0930	3,960	112	4.31	1.314
Feb. 3	1200	*5,000	142	4.89	1.491

Minimum discharge, 112 ft³/s (3.17 m³/s) Oct. 8, 9, gage height, 0.86 ft (0.262 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	190	688	1460	1600	981	595	687	1190	385	777	461
2	124	181	741	858	1080	987	567	658	779	372	535	680
3	116	172	439	1270	3630	977	639	634	639	365	450	453
4	116	164	349	3150	2210	934	628	612	586	354	407	394
5	118	172	304	1630	1570	876	590	590	591	343	384	369
6	122	170	273	1180	1340	849	605	573	553	345	377	355
7	120	163	255	968	1170	1400	559	560	507	339	349	342
8	113	152	241	824	1070	1150	587	625	485	350	372	331
9	113	148	224	732	1200	1000	780	563	464	341	448	322
10	139	146	213	662	1190	929	660	523	510	438	634	321
11	156	144	203	644	1030	881	608	506	537	399	535	370
12	145	142	200	636	956	846	578	490	497	407	511	403
13	136	140	194	619	911	807	560	483	999	624	445	359
14	128	139	272	589	851	777	553	472	704	404	413	345
15	126	137	470	576	831	991	623	462	578	545	389	325
16	126	136	444	521	1080	974	1060	453	531	570	374	310
17	126	164	347	469	1720	866	1070	464	500	667	657	311
18	129	144	317	437	1470	815	1090	497	538	622	782	295
19	140	140	265	494	1290	780	855	465	573	859	1040	291
20	129	183	232	564	1170	755	771	468	495	735	685	302
21	123	247	372	980	1080	741	713	475	457	526	573	286
22	124	181	348	970	1000	727	664	497	444	496	507	273
23	158	162	481	1030	948	687	624	525	440	527	471	263
24	214	186	642	999	912	676	592	703	425	608	443	257
25	172	201	881	794	864	681	657	595	450	484	426	258
26	629	182	813	699	852	666	1280	611	454	443	405	297
27	662	195	594	628	1110	627	1010	846	459	436	394	282
28	372	291	496	597	1050	613	943	721	496	411	389	265
29	262	239	439	571	---	600	809	715	471	392	377	254
30	227	241	395	548	---	596	738	596	413	493	365	251
31	199	---	1120	875	---	599	---	699	---	542	370	---
TOTAL	5693	5252	13252	26974	35185	25788	22008	17768	16765	14822	15284	10025
MEAN	184	175	427	870	1257	832	734	573	559	478	493	334
MAX	662	291	1120	3150	3630	1400	1280	846	1190	859	1040	680
MIN	113	136	194	437	831	596	553	453	413	339	349	251
CFSM	.89	.85	2.06	4.20	6.07	4.02	3.55	2.77	2.70	2.31	2.38	1.61
IN.	1.02	.94	2.38	4.85	6.32	4.63	3.96	3.19	3.01	2.66	2.75	1.80

CAL YR 1981 TOTAL 122433 MEAN 335 MAX 2200 MIN 113 CFSM 1.62 IN 22.00
WTR YR 1982 TOTAL 208816 MEAN 572 MAX 3630 MIN 113 CFSM 2.76 IN 37.53

SAVANNAH RIVER BASIN

02185200 LITTLE RIVER NEAR WALHALLA, S.C.

LOCATION.--Lat 34°50'11", long 82°58'48", Oconee County, Hydrologic Unit 03060101, at downstream side of bridge on State Road 24, 0.5 mi (0.8 km) downstream from Oconee Creek, 3.5 mi (5.6 km) south of Salem, and 6.5 mi (10.5 km) northeast of Walhalla.

DRAINAGE AREA.--72.0 mi² (186.5 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 807.63 ft (246.166 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--15 years (water years 1968-82), 187 ft³/s (5.296 m³/s), 35.27 in/yr (896 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,400 ft³/s (408 m³/s) June 4, 1967, gage height, 12.29 ft (3.746 m); minimum, 15 ft³/s (0.42 m³/s) July 11-20, Oct. 3-8, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,500 ft³/s (42.5 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)		Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
Dec. 31	1745	1,790	50.7	4.23	1.29	Feb. 3	0700	*3,750	106	*6.31	1.92
Jan. 4	0600	1,910	54.1	4.37	1.33						

Minimum daily, 25 ft³/s (0.708 m³/s) Oct. 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	55	236	405	246	217	132	181	191	89	135	110
2	30	53	184	211	234	210	125	168	141	83	105	150
3	29	51	111	559	2190	188	138	158	125	80	92	160
4	30	45	89	1170	600	174	132	151	119	74	83	100
5	27	47	74	387	380	168	128	145	119	72	80	85
6	27	47	66	263	301	161	135	138	105	72	80	75
7	26	43	64	211	251	318	122	135	100	72	72	70
8	25	43	59	173	225	255	132	151	98	77	70	70
9	25	43	55	151	263	213	164	135	95	72	90	70
10	31	43	53	131	251	195	141	125	117	95	140	65
11	35	43	53	122	221	184	132	119	125	83	130	65
12	31	43	51	121	199	174	125	114	132	89	110	95
13	31	42	51	121	188	168	122	111	171	77	95	75
14	30	42	95	118	174	158	122	108	125	72	90	68
15	30	42	135	109	171	225	141	103	111	77	80	66
16	31	42	125	106	275	240	301	103	103	86	85	70
17	31	43	98	104	367	202	323	100	98	105	120	71
18	33	42	86	99	284	184	279	103	100	86	170	59
19	35	42	74	104	247	174	213	105	114	145	240	58
20	31	45	69	113	217	168	191	100	100	105	190	67
21	31	43	66	252	199	161	174	105	92	89	130	61
22	33	42	80	230	178	155	158	145	92	80	110	59
23	47	42	92	286	168	148	148	161	92	95	100	55
24	51	53	103	256	164	145	141	199	86	95	95	53
25	45	49	244	191	155	145	181	171	122	89	90	52
26	255	45	195	161	155	158	417	174	122	80	85	54
27	161	51	138	142	221	138	301	188	114	80	80	56
28	95	77	117	132	217	132	271	158	119	83	80	53
29	72	55	103	125	---	132	225	145	105	83	75	51
30	69	69	92	120	---	135	199	128	98	199	75	51
31	62	---	610	183	---	132	---	125	---	138	75	---
TOTAL	1520	1422	3668	6856	8741	5557	5513	4252	3431	2822	3252	2194
MEAN	49.0	47.4	118	221	312	179	184	137	114	91.0	105	73.1
MAX	255	77	610	1170	2190	318	417	199	191	199	240	160
MIN	25	42	51	99	155	132	122	100	86	72	70	51
CFSM	.68	.66	1.64	3.07	4.33	2.49	2.56	1.90	1.58	1.26	1.46	1.02
IN.	.79	.73	1.90	3.54	4.52	2.87	2.85	2.20	1.77	1.46	1.68	1.13

CAL YR 1981 TOTAL 30538 MEAN 83.7 MAX 610 MIN 25 CFSM 1.16 IN 15.78
WTR YR 1982 TOTAL 49228 MEAN 135 MAX 2190 MIN 25 CFSM 1.88 IN 25.43

02187250 HARTWELL LAKE NEAR HARTWELL, GA.

LOCATION.--Lat 34°21'25", long 82°49'20", Hart County (Ga.)-Anderson County (S.C.), Hydrologic Unit 03060103, Ga.-S.C. State line, in right spillway elevator tower of dam on Savannah River, 0.9 mi (1.4 km) upstream from Big Generostee Creek, 6.4 mi (10.3 km) east of Hartwell, and at mile 305.0 (490.7 km).

DRAINAGE AREA.--2,088 mi² (5,408 km²).

PERIOD OF RECORD.--October 1959 to September 1961 (elevations and contents at end of month), October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1961, recording or nonrecording gage at several sites near dam at same datum.

REMARKS.--Lake is formed by concrete dam with earth embankments at each end; dam completed in 1961. Storage began in February 1961. Usable capacity, 74,430,000,000 ft³ (2,108,000,000 m³) between elevations 625.0 ft (190.50 m) (normal limit of drawdown) and 665 ft (202.7 m) (top of spillway gates). Dead storage below 625.0 ft (190.50 m), 49,400,000,000 ft³ (1,339,000,000 m³). Figures given herein represent usable contents. Elevation of spillway crest, 630.0 ft (192.02 m). Water is used for flood control, generation of power, and in the interest of navigation below Augusta.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 665.47 ft (202.835 m) Apr. 8, 1964; minimum, 626.70 ft (191.018 m) Oct. 16, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 662.17 ft (201.829 m) June 14; minimum, 642.39 ft (195.800 m) Dec. 24.

Capacity table (elevation, in feet and meters) and
usable contents (in billions of cubic feet and million of cubic meters)
(Computed from table prepared by Corps of Engineers)

655.0 ft (199.64 m)	50.02 ft ³ (1,417.0 m ³)
660.0 ft (201.17 m)	61.66 ft ³ (1,746.0 m ³)
665.0 ft (202.69 m)	74.43 ft ³ (2,108.0 m ³)

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	647.75	645.91	643.72	643.58	649.75	655.47	658.47	660.05	661.95	661.23	659.54	658.13
2	647.55	645.83	643.64	643.77	650.07	655.55	658.48	660.13	661.96	661.17	659.46	658.03
3	647.55	645.74	643.52	645.00	652.02	655.61	658.55	660.15	661.95	661.18	659.35	658.06
4	647.55	645.69	643.39	646.89	652.45	655.66	658.61	660.17	662.02	661.17	659.22	658.03
5	647.44	645.59	643.44	647.32	652.72	655.76	658.77	660.15	662.04	661.16	659.22	658.03
6	647.37	645.56	643.52	647.57	652.95	655.89	658.79	660.32	662.04	660.91	659.37	657.96
7	647.29	645.59	643.41	647.74	653.13	656.08	658.80	660.31	661.93	660.68	659.40	657.76
8	647.19	645.60	643.27	647.82	653.21	656.17	658.88	660.40	661.97	661.41	659.44	657.55
9	647.04	645.53	643.11	647.92	653.40	656.22	658.92	660.44	661.92	660.13	659.44	657.33
10	647.07	645.46	642.94	647.98	653.52	656.32	658.95	660.43	661.91	660.15	659.41	657.15
11	647.09	645.32	642.80	647.76	653.58	656.38	659.04	660.46	661.85	660.29	659.35	657.32
12	646.93	645.25	642.83	647.64	653.66	656.49	659.06	660.44	661.91	660.13	659.32	657.38
13	646.81	645.12	642.88	647.73	653.80	656.63	659.08	660.46	662.00	659.94	659.29	657.13
14	646.72	645.15	642.97	647.73	653.94	656.79	659.12	660.47	662.14	659.88	659.30	656.99
15	646.54	645.17	643.02	647.78	654.04	656.96	659.09	660.47	662.05	659.79	659.30	656.76
16	646.37	645.16	643.00	647.84	654.29	657.26	659.12	660.50	662.04	659.77	659.16	656.46
17	646.39	645.10	642.93	647.88	654.48	657.51	659.26	660.51	661.98	659.83	659.23	656.43
18	646.43	645.05	642.85	647.84	654.64	657.66	659.33	660.52	662.01	659.85	659.20	656.42
19	646.23	644.88	642.89	647.89	654.72	657.70	659.40	660.55	662.04	659.66	659.11	656.48
20	646.11	644.66	642.91	647.93	654.87	657.79	659.41	660.60	662.04	659.58	659.02	656.47
21	646.06	644.68	642.75	648.24	655.03	657.84	659.41	660.70	661.91	659.53	659.05	656.43
22	645.91	644.69	642.61	648.49	654.97	657.95	659.43	660.83	661.91	659.55	659.05	656.28
23	645.81	644.39	642.44	648.65	654.92	658.02	659.43	660.92	661.78	659.57	658.95	656.12
24	645.83	644.05	642.48	648.78	654.96	658.07	659.47	660.99	661.60	659.62	658.94	656.03
25	646.01	643.74	642.68	648.92	654.98	658.17	659.71	661.17	661.45	659.62	658.82	656.03
26	646.04	643.61	642.78	649.05	655.03	658.17	659.91	661.19	661.45	659.55	658.67	656.04
27	646.03	643.56	642.86	649.18	655.23	658.20	660.00	661.51	661.54	659.42	658.53	655.94
28	645.97	643.62	642.83	649.30	655.32	658.22	660.08	661.57	661.45	659.33	658.54	655.90
29	645.95	643.65	642.81	649.43	---	658.32	660.03	661.62	661.45	659.39	658.53	655.81
30	645.86	643.64	642.72	649.47	---	658.35	659.99	661.71	661.30	659.43	658.37	655.71
31	645.89	---	643.24	649.68	---	658.41	---	661.80	---	659.50	658.23	---
MAX	647.75	645.91	643.72	649.68	655.32	658.41	660.08	661.80	662.14	661.41	659.54	658.13
MIN	645.81	643.56	642.44	643.58	649.75	655.47	658.47	660.05	661.30	659.33	658.23	655.71
(+)	31.46	27.37	26.67	38.78	50.74	57.85	61.64	66.12	64.87	60.45	57.42	51.61
(*)	-1393	-1578	-261	4521	4944	2655	1462	1673	-482	-1650	-1131	-2241
CAL YR 1981	* -639		MAX	655.87	MIN	642.44						
WTR YR 1982	* 521		MAX	662.14	MIN	642.44						

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

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

SAVANNAH RIVER BASIN

02194500 CLARK HILL LAKE NEAR CLARKS HILL, S.C.

LOCATION.--Lat 33°39'40", long 82°12'00", Columbia County (Ga.)--McCormick County (S.C.), Hydrologic Unit 03060103, Ga.-S.C. State Line, in left spillway elevator tower of dam on Savannah River, 1.6 mi (2.6 km) west of Clarks Hill, 3.7 mi (6.0 km) upstream from Kiokee Creek, and at mile 237.7 (382.5 km).

DRAINAGE AREA.--6,150 mi² (15,900 km²), approximately.

PERIOD OF RECORD.--October 1951 to September 1952 (elevations and contents at end of month), October 1952 to current year.

REVISED RECORDS.--WSP 1703: 1953.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1952, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by concrete dam with earth dam at each end; dam completed in 1952. Storage began in December 1951. Usable capacity, 75,360,000,000 ft³ (2,134,000,000 m³) between elevations 305.0 ft (92.96 m) (normal limit of drawdown) and 335.0 ft (102.11 m) (top of spillway gates). Dead storage below 305.0 ft (92.96 m), 50,960,000,000 ft³ (1,443,000,000 m³). Figures given herein represent usable contents. Elevation of spillway crest, 300.0 ft (91.44 m). Water is used for flood control, generation of power, and navigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 336.72 ft (102.632 m) Apr. 9, 1964; minimum, 296.48 ft (90.367 m) Feb. 1, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 332.74 ft (101.419 m) Feb. 19; minimum 317.46 ft (96.762 m) Nov. 23.

Capacity table (elevation, in feet and meters) and
usable contents (in billions of cubic feet and millions of cubic meters)
(Computed from table prepared by Corps of Engineers)

315.0 ft (96.01 m)	18.73 ft ³ (530.4 m ³)
320.0 ft (97.54 m)	30.06 ft ³ (851.3 m ³)
325.0 ft (99.06 m)	43.12 ft ³ (1,221.0 m ³)
330.0 ft (100.58 m)	58.37 ft ³ (1,653.0 m ³)
336.0 ft (102.41 m)	78.84 ft ³ (2,233.0 m ³)

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	319.68	318.24	318.10	323.13	328.08	331.53	330.95	331.48	330.22	330.08	330.84	330.46
2	319.65	318.10	318.27	323.73	328.13	331.34	330.89	331.52	330.20	330.04	330.75	330.56
3	319.58	318.05	318.39	324.06	329.01	331.16	330.95	331.48	330.20	330.05	330.72	330.58
4	319.49	317.98	318.58	325.63	330.03	330.96	330.94	331.44	330.28	330.04	330.71	330.60
5	319.26	317.95	318.65	326.71	330.95	330.86	330.95	331.37	330.38	329.88	330.75	330.62
6	319.22	317.97	318.58	327.52	331.43	330.95	331.02	331.33	330.42	329.77	330.68	330.50
7	319.15	317.96	318.54	327.77	331.62	331.12	330.88	331.27	330.39	329.84	330.71	330.41
8	319.12	317.86	318.67	327.79	331.62	331.11	330.94	331.39	330.31	329.89	330.69	330.38
9	319.11	317.74	318.65	327.91	331.77	331.16	331.02	331.33	330.31	330.03	330.51	330.34
10	319.11	317.75	318.63	327.97	331.80	331.19	331.13	331.25	330.36	330.19	330.44	330.32
11	319.00	317.76	318.58	327.78	331.80	331.21	331.19	331.17	330.32	330.29	330.54	330.40
12	318.82	317.71	318.60	327.82	331.83	331.16	331.19	331.05	330.35	330.24	330.60	330.45
13	318.78	317.72	318.53	327.89	331.96	331.21	331.11	330.99	330.46	330.28	330.59	330.31
14	318.73	317.77	318.70	327.91	332.04	331.23	331.16	330.95	330.33	330.56	330.66	330.11
15	318.75	317.67	319.19	327.86	332.00	331.18	331.05	330.96	330.29	330.68	330.67	329.85
16	318.67	317.54	319.48	327.92	332.27	331.21	331.08	330.94	330.25	330.89	330.58	329.88
17	318.63	317.54	319.67	327.96	332.58	331.26	331.24	330.85	330.28	331.04	330.53	329.97
18	318.57	317.60	319.76	327.93	332.65	331.33	331.34	330.82	330.28	331.10	330.58	330.16
19	318.32	317.57	319.78	327.93	332.60	331.34	331.33	330.79	330.24	330.98	330.66	330.27
20	318.28	317.67	319.71	327.92	332.56	331.40	331.23	330.77	330.16	331.02	330.69	330.21
21	318.27	317.69	319.68	327.97	332.57	331.45	331.19	330.65	329.98	331.04	330.74	330.07
22	318.26	317.60	319.71	328.04	332.29	331.38	331.09	330.56	330.07	331.01	330.76	329.88
23	318.28	317.49	319.79	328.25	332.09	331.33	330.95	330.53	330.04	331.02	330.65	329.80
24	318.27	317.71	319.97	328.39	331.86	331.30	330.97	330.46	330.10	331.03	330.56	329.71
25	318.34	317.89	320.40	328.40	331.59	331.28	331.16	330.45	330.05	331.01	330.50	329.70
26	318.38	318.02	320.68	328.29	331.38	331.23	331.33	330.39	330.12	330.85	330.44	329.67
27	318.37	318.07	320.80	328.16	331.52	331.23	331.29	330.36	330.15	330.80	330.54	329.45
28	318.39	318.10	320.93	328.08	331.67	331.22	331.30	330.33	330.14	330.79	330.64	329.31
29	318.37	318.02	320.97	328.01	---	331.13	331.32	330.33	330.11	330.78	330.68	329.15
30	318.36	318.00	320.98	328.01	---	331.05	331.39	330.38	330.11	330.78	330.55	329.09
31	318.35	---	322.10	328.14	---	331.00	---	330.25	---	330.83	330.51	---
MAX	319.68	318.24	322.10	328.40	332.65	331.53	331.39	331.52	330.46	331.10	330.84	330.62
MIN	318.26	317.49	318.10	323.13	328.08	330.86	330.88	330.25	329.98	329.77	330.44	329.09
(+)	26.32	25.53	35.54	52.70	64.04	61.77	63.09	59.22	58.74	61.19	60.10	55.60
(*)	-1184	-305	3737	6407	4688	-848	509	-1445	-185	915	-407	-1736
CL YR 1981	* -183	MAX	327.83	MIN	317.49							
WTR YR 1982	* 828	MAX	332.65	MIN	317.49							

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

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

SAVANNAH RIVER BASIN

205

02196250 HORN CREEK NEAR COLLIERS, S.C.

LOCATION.--Lat 33°42'55", long 81°56'23", Edgefield County, Hydrologic Unit 03060107, on County Road 76 bridge 5.1 mi (8.2 km) south of Edgefield and 3.5 mi (5.6 km) northeast of Ropers Crossroads.

DRAINAGE AREA.--13.9 mi² (36.0 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 320 ft (97.5 m) (from topographic map).

REMARKS.--Records fair, except those for period of no gage-height record May 1 to June 25, which is poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 987 ft³/s (28.0 m³/s) Dec. 31, 1981, gage height, 10.83 ft (3.301 m); minimum daily 0.84 ft³/s (0.024 m³/s) Sept. 30.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 987 ft³/s (28.0 m³/s) Dec. 31, gage height, 10.83 ft (3.301 m); minimum daily 0.84 ft³/s (0.024 m³/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.92	4.9	7.6	105	25	17	9.0	12	12	5.8	4.8	1.7
2	.96	4.9	6.0	43	19	15	10	11	10	5.7	4.3	1.7
3	1.2	4.8	5.1	94	226	14	11	10	8.0	5.7	3.7	2.5
4	1.4	4.5	4.6	118	65	14	11	9.5	7.5	5.5	3.4	1.9
5	1.6	4.5	4.0	47	34	14	12	9.0	7.0	6.4	3.9	1.6
6	2.6	4.5	4.0	32	26	13	11	8.5	6.5	6.4	4.9	1.5
7	4.9	4.5	4.0	27	21	21	10	8.5	6.5	7.4	3.8	1.4
8	8.6	4.3	4.0	23	19	15	10	9.5	6.0	12	5.2	1.4
9	11	4.3	3.9	21	19	14	14	8.5	6.0	18	4.5	1.3
10	9.6	4.6	3.8	19	20	13	12	8.0	7.0	14	3.9	1.4
11	3.2	4.5	3.8	18	17	13	11	7.5	8.0	14	3.5	1.7
12	3.4	4.3	3.9	18	18	11	10	7.0	9.0	12	3.7	1.8
13	3.5	4.3	3.9	18	25	11	10	7.0	11	7.2	3.8	1.7
14	3.5	4.3	11	22	18	10	9.5	6.5	9.0	7.2	3.4	1.6
15	3.7	4.3	56	21	16	9.5	9.5	6.5	7.0	17	3.0	1.7
16	3.8	4.5	11	22	94	9.0	9.0	6.0	6.5	21	2.8	1.6
17	4.2	4.9	6.3	22	126	9.0	9.0	6.0	6.0	16	2.6	1.2
18	4.6	4.6	5.4	19	41	10	9.5	6.5	6.5	10	3.5	2.8
19	4.9	4.5	4.6	19	26	12	13	7.0	7.0	7.4	3.6	4.5
20	4.9	4.8	4.2	19	20	11	16	6.5	6.5	6.4	3.1	4.6
21	5.2	4.6	4.0	18	18	10	13	7.0	6.0	6.4	2.7	2.7
22	5.2	4.6	4.0	17	16	9.0	13	9.0	5.8	5.7	2.4	1.9
23	5.5	4.5	3.8	23	16	8.5	13	10	5.6	5.4	2.1	1.4
24	6.0	5.1	3.9	26	15	8.0	12	12	5.4	5.4	2.0	1.2
25	11	5.2	120	20	15	8.5	14	11	5.2	5.7	2.0	1.2
26	10	4.9	27	18	16	9.0	34	11	5.8	5.4	1.9	1.3
27	7.2	4.8	20	17	29	11	45	12	12	4.3	1.8	1.3
28	5.5	5.1	17	16	22	11	20	11	8.2	3.7	1.8	1.1
29	4.9	4.5	30	16	---	9.0	15	9.0	6.7	4.0	1.8	.96
30	5.1	5.1	16	16	---	8.5	14	8.0	6.1	4.2	1.7	.84
31	4.9	---	296	20	---	8.5	---	10	---	4.2	1.7	---
TOTAL	152.98	139.2	698.8	934	1022	356.5	409.5	271.0	219.8	259.5	97.3	53.50
MEAN	4.93	4.64	22.5	30.1	36.5	11.5	13.7	8.74	7.33	8.37	3.14	1.78
MAX	11	5.2	296	118	226	21	45	12	12	21	5.2	4.6
MIN	.92	4.3	3.8	16	15	8.0	9.0	6.0	5.2	3.7	1.7	.84
CAL YR 1981 TOTAL	3039.92			MEAN 8.33	MAX 530	MIN .92						
WTR YR 1982 TOTAL	4614.08			MEAN 12.6	MAX 296	MIN .84						

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 (0.3 km) upstream from Butler Creek, 12.0 mi (19.3 km) downstream from Augusta, and at mile 187.4 (301.5 km).

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

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1303: 1927-39 (monthly runoff). WSP 1433: 1888, 1896-99, 1902-03, 1906-07, and 1932 (M).

GAGE.--Water-stage recorder. Datum of gage is 96.58 ft (29.438 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Oct. 1, 1883 to Dec. 31, 1891, Jan. 1, 1896, to Dec. 31, 1906, Jan. 1, 1925, to Sept. 30, 1932, nonrecording gage at Fifth Street Bridge at datum 102.06 ft (31.108 m) NGVD (levels by Southeastern Engineering Co.). Oct. 1, 1932, to Sept. 30, 1936, recording gage at Thirteenth Street bridge at datum 104.56 ft (31.870 m) NGVD (levels by Corps of Engineers). Oct. 1, 1936, to Nov. 10, 1948, recording gage at site 0.2 mi (0.3 km) downstream from present site and at present datum.

REMARKS.--Records good. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500) and by other powerplants above station.

AVERAGE DISCHARGE.--75 years (water years 1884-91, 1897-1906, 1926-82), 10,200 ft³/s (289 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 350,000 ft³/s (9,910 m³/s) Oct. 3, 1929; maximum gage height, 46.3 ft (14.11 m) Sept. 27, 1929 (at site and datum then in use); minimum discharge, 648 ft³/s (18.4 m³/s) Sept. 24, 1939, from rating curve extended below 1,400 ft³/s (39.6 m³/s); minimum daily, 1,040 ft³/s (29.5 m³/s) Oct. 2, 1927.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known occurred in 1796, discharge 360,000 ft³/s (10,200 m³/s) gage height, 40 ft (12.2 m), marked by local residents (at site and datum of Fifth Street gage), by conveyance-slope study.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,700 ft³/s (869 m³/s) Jan. 2, gage height, 19.39 ft (5.91 m); minimum daily, 2,810 ft³/s (79.6 m³/s) Dec. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5210	4760	3100	17800	5410	10800	6470	7160	5910	5530	5350	5570
2	5300	5110	4320	24000	5560	15500	6470	4650	5860	5590	5420	5720
3	5530	4580	4260	15100	8670	15300	5720	5460	6050	5780	5460	6000
4	5800	4600	4630	10700	13200	14800	5160	5970	6830	5570	5460	5990
5	5520	5910	4130	14300	18000	14200	5160	6040	5980	5290	5490	5320
6	5400	7530	4030	20600	9670	9640	5790	7480	5630	5360	5630	5320
7	5340	4870	2810	11700	6250	5490	6710	6900	5610	5690	6010	5360
8	5580	4740	3000	7850	5690	5980	7730	6660	5630	5620	5850	5640
9	5450	4240	3360	7890	7780	7930	9080	5770	5750	5370	6720	6080
10	5570	4260	4320	5930	8270	7580	6820	5470	5900	5610	7390	7280
11	5660	4140	6350	6990	7130	7170	5000	5530	5860	5740	7530	6970
12	6090	4140	6570	11900	8910	7140	5140	5790	5950	5670	6970	6170
13	5180	4630	5600	10300	8320	6820	5070	6290	5720	5730	5950	6200
14	5090	4820	5780	7090	6140	5470	5570	6840	5370	5770	5680	8160
15	5290	5040	5720	8380	7150	5200	6500	7040	5870	5770	5180	7990
16	5140	4080	5750	7650	7260	5500	8660	6020	5880	5980	5620	10300
17	5200	4040	8370	5580	15000	6180	6210	5260	5860	6060	5790	8010
18	5750	3880	6190	5160	25500	7770	5300	5620	6050	6070	5770	7620
19	5680	4020	5530	7000	22100	7600	5140	5680	6190	5850	6340	6350
20	5130	3860	5400	7570	18000	6980	5750	5720	6160	5980	6100	6020
21	4990	5240	5230	6140	12300	5570	9150	5550	6050	6160	5820	5930
22	5030	5540	5060	6260	11800	5490	10900	5850	6900	6350	5590	7910
23	4960	5140	4650	6160	15000	6390	10300	5990	6100	6810	5430	8310
24	5010	3710	4880	5440	15500	6900	7530	6560	5720	6190	5500	7900
25	5060	4740	5910	6180	16000	6720	5790	7240	5910	5670	6290	6440
26	6170	4590	13800	8280	15700	6830	7910	6100	6110	5950	8890	6100
27	4950	4450	11000	9640	14400	6370	18900	6330	6360	6260	6140	5830
28	4830	4220	7110	9100	10500	5470	19700	6560	6390	7880	5830	7310
29	4720	4110	5850	8060	---	5530	16100	5970	6100	7180	5550	9410
30	4750	3740	6990	5630	---	6240	13200	5760	5860	5950	5440	8450
31	4740	---	9900	5350	---	6590	---	5970	---	5460	5430	---
TOTAL	164120	138730	179600	289730	325210	241150	242930	189230	179560	183890	185620	205660
MEAN	5294	4624	5794	9346	11610	7779	8098	6104	5985	5932	5988	6855
MAX	6170	7530	13800	24000	25500	15500	19700	7480	6900	7880	8890	10300
MIN	4720	3710	2810	5160	5410	5200	5000	4650	5370	5290	5180	5320
CAL YR 1981 TOTAL	2161200			5921		15600		2810				
WTR YR 1982 TOTAL	2525430			6919		25500		2810				

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1949 to September 1950, February 1968 to September 1972, July 1973 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1973 to current year.

INSTRUMENTATION.--Servo Programmer since October 1973.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.5°C Aug. 14-17, 1981; minimum, 4.5°C Feb. 19, 20, 1979.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 23.4°C July 21; minimum, 4.7°C Jan. 12.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	23.0	22.4	22.8	17.9	17.5	17.7	15.8	15.2	15.4	8.7	7.6	8.1
2	23.2	22.7	23.0	17.9	17.5	17.7	15.7	14.4	15.2	7.9	7.4	7.7
3	23.2	22.7	22.0	18.4	18.0	18.2	14.3	13.8	14.1	8.9	7.9	8.4
4	21.7	20.5	20.9	19.2	18.1	18.8	14.1	13.4	13.9	9.5	8.9	9.2
5	21.1	20.6	20.9	19.5	19.2	19.3	13.4	13.1	13.3	9.9	9.0	9.4
6	21.4	21.1	21.2	19.6	18.8	19.2	13.1	12.6	12.9	10.0	9.3	9.6
7	21.5	20.5	21.2	18.7	18.1	18.3	12.9	12.4	12.7	10.4	9.4	9.8
8	20.8	20.4	20.7	18.0	17.2	17.6	12.8	12.5	12.7	10.8	10.4	10.5
9	20.4	19.9	20.1	17.2	16.9	17.0	12.7	12.3	12.6	10.3	9.4	10.0
10	19.9	19.2	19.6	17.2	16.9	17.0	12.5	11.7	12.2	9.3	8.1	8.7
11	19.3	18.9	19.2	17.2	16.6	17.0	11.7	10.5	11.1	8.1	4.8	6.9
12	19.2	18.9	19.1	17.1	16.6	16.9	11.2	10.2	10.6	6.9	4.7	5.9
13	19.2	18.6	19.0	16.8	16.0	16.5	11.1	10.9	11.0	7.1	6.3	6.6
14	19.2	19.6	18.9	16.0	15.4	15.7	11.2	11.0	11.1	7.1	6.0	6.7
15	19.2	18.6	18.9	15.4	14.8	15.2	11.3	11.2	11.2	6.1	5.8	6.0
16	19.5	19.0	19.3	15.1	14.5	14.9	11.2	10.2	10.9	6.8	6.0	6.3
17	20.1	19.2	19.8	15.6	14.5	15.1	10.0	8.2	8.6	6.8	5.9	6.4
18	20.4	19.9	20.3	15.9	15.2	15.5	10.2	8.6	9.6	6.7	6.2	6.4
19	20.4	19.6	19.9	16.0	15.5	15.8	10.1	9.7	9.9	7.1	6.2	6.7
20	19.6	18.6	19.1	16.0	15.7	15.9	9.6	9.0	9.3	8.3	7.0	6.7
21	18.6	18.4	18.5	15.9	15.3	15.5	9.1	8.7	9.0	9.5	8.1	8.8
22	19.1	18.4	18.8	15.3	14.2	14.7	9.8	9.1	9.3	9.5	9.0	9.3
23	19.7	18.9	19.4	14.2	13.7	13.9	10.7	9.8	10.3	9.2	8.5	8.7
24	19.5	18.7	19.2	14.0	13.7	13.8	11.7	10.8	11.4	8.4	7.9	8.1
25	18.7	17.2	18.0	14.2	13.6	13.9	12.3	11.6	11.9	7.9	7.6	7.7
26	17.2	16.6	16.8	14.4	13.9	14.1	11.1	9.0	9.6	7.6	7.0	7.2
27	17.9	16.9	17.4	14.9	14.0	14.5	9.3	9.0	9.1	7.0	6.5	6.7
28	18.6	17.5	18.1	15.6	14.7	15.3	9.9	9.2	9.5	6.9	6.4	6.6
29	19.2	18.5	18.8	16.1	15.5	15.8	10.7	10.0	10.4	7.3	6.5	6.9
30	18.8	18.4	18.7	16.0	15.5	15.8	10.7	10.2	10.5	8.0	7.1	7.5
31	18.5	17.8	18.2	---	---	---	10.1	8.8	9.7	9.2	8.1	8.4

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.0	9.0	9.4	8.0	7.5	7.8	13.4	12.9	13.2	16.0	14.3	15.2
2	10.1	9.3	9.6	8.8	7.8	8.3	13.7	13.1	13.4	17.6	15.7	16.6
3	9.4	7.9	8.8	9.5	8.8	9.2	14.1	13.6	13.9	18.0	17.2	17.7
4	8.7	7.8	8.3	9.7	9.2	9.5	14.5	13.9	14.2	18.2	17.1	17.5
5	8.8	8.3	8.6	10.1	9.6	9.8	14.4	13.6	13.9	17.8	17.2	17.5
6	9.4	8.8	9.2	10.7	10.0	10.5	14.0	13.4	13.8	17.4	16.3	16.8
7	9.4	9.2	9.3	10.9	10.6	10.8	13.3	12.7	13.0	16.8	15.6	16.1
8	9.6	9.2	9.4	11.4	10.8	11.1	13.4	12.3	12.9	16.9	15.8	16.3
9	9.9	9.2	9.6	11.5	10.2	10.9	12.9	12.3	12.5	16.8	16.4	16.7
10	9.5	8.8	9.1	11.8	10.4	11.1	13.3	12.0	12.6	18.2	16.7	17.7
11	9.5	8.9	9.2	12.3	11.2	11.7	14.3	13.1	13.7	19.0	18.1	18.6
12	9.4	8.7	9.0	12.6	11.7	12.1	15.1	14.4	14.7	18.4	17.9	18.2
13	8.8	8.3	8.5	13.1	12.0	12.5	15.7	15.1	15.3	18.0	17.6	17.8
14	9.4	8.5	8.9	13.4	12.9	13.2	16.3	15.4	15.9	18.3	16.7	17.6
15	10.1	9.1	9.5	14.4	13.4	14.0	15.8	15.5	15.8	18.2	16.6	17.4
16	10.7	9.7	10.2	14.5	13.1	13.9	15.8	14.8	15.3	18.3	17.2	17.6
17	11.2	10.2	10.5	13.2	12.3	13.0	15.7	14.2	14.8	18.4	17.8	18.2
18	11.0	9.8	10.2	12.2	11.5	11.9	17.0	15.8	16.2	19.5	18.4	19.2
19	9.9	8.9	9.4	13.0	11.9	12.3	17.2	16.8	17.0	19.3	18.5	19.0
20	9.4	8.5	8.9	14.2	12.9	13.4	16.9	15.8	16.4	18.9	18.4	18.7
21	9.6	9.0	9.4	15.2	14.2	14.7	15.7	13.9	14.8	18.5	18.1	18.3
22	10.1	9.5	9.7	15.9	15.3	15.7	14.5	13.5	14.0	19.3	18.2	18.8
23	9.7	9.0	9.3	15.9	14.8	15.3	13.8	13.2	13.6	19.9	18.8	19.4
24	9.8	9.1	9.4	14.8	12.8	13.7	14.5	12.9	13.8	20.0	18.2	19.0
25	9.7	9.3	9.5	13.4	12.7	13.0	15.2	14.1	14.4	19.2	17.3	18.3
26	9.5	8.0	8.8	13.1	12.6	12.8	16.2	15.3	15.8	19.2	18.5	18.7
27	8.0	7.3	7.4	13.1	12.6	12.8	15.7	13.6	14.3	19.5	19.0	19.4
28	7.7	7.4	7.6	12.6	12.2	12.4	15.3	13.8	14.4	19.1	18.2	18.7
29	---	---	---	12.5	12.1	12.3	14.7	14.0	14.4	20.0	18.2	19.0
30	---	---	---	12.9	12.4	12.6	15.0	14.4	14.8	20.6	20.1	20.3
31	---	---	---	13.2	12.7	12.9	---	---	---	20.6	19.5	20.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	21.6	20.1	21.0	21.5	20.7	21.1	21.9	21.4	21.7	22.3	21.5	22.0
2	20.5	19.7	20.2	22.0	21.1	21.6	21.8	20.9	21.4	21.6	20.9	21.3
3	20.3	19.5	20.0	21.8	21.0	21.5	21.5	21.0	21.3	21.8	21.3	21.4
4	20.0	18.5	19.2	21.9	21.0	21.5	22.5	21.3	22.1	22.0	21.5	21.7
5	19.2	17.4	18.1	22.1	21.6	21.9	22.5	21.7	22.2	22.2	21.6	22.0
6	19.1	18.4	18.7	23.2	22.1	22.8	21.9	21.2	21.7	22.0	21.6	21.8
7	20.1	19.0	19.5	23.2	21.2	22.3	21.7	21.1	21.3	21.8	21.4	21.6
8	20.8	20.0	20.5	21.6	20.1	20.7	22.4	21.6	21.9	22.1	21.3	21.6
9	21.0	20.3	20.7	20.9	19.8	20.5	22.8	21.8	22.4	21.6	20.7	21.1
10	20.6	19.9	20.3	20.8	19.7	20.4	22.6	20.9	21.7	21.1	19.8	20.4
11	20.3	19.6	19.9	20.4	19.8	20.1	21.8	19.8	20.7	20.1	19.4	19.6
12	20.4	19.9	20.2	21.0	20.2	20.5	21.2	19.7	20.5	20.2	19.9	20.0
13	20.5	19.6	20.1	22.0	21.2	21.7	21.4	20.9	21.1	21.0	20.2	20.4
14	20.4	20.0	20.2	22.3	21.7	22.1	21.7	21.3	21.5	21.0	20.1	20.6
15	21.2	20.3	20.6	21.8	21.0	21.5	22.1	21.2	21.6	21.0	19.7	20.4
16	21.3	19.9	20.6	21.0	20.6	20.9	22.9	21.8	22.3	20.9	20.1	20.5
17	20.9	19.9	20.4	21.4	20.8	21.1	23.3	22.1	22.5	21.8	20.0	20.9
18	20.1	19.3	19.7	21.3	20.7	21.0	22.7	21.0	21.9	21.6	20.5	21.1
19	19.8	19.4	19.6	21.9	20.9	21.5	21.0	20.3	20.6	21.6	20.9	21.2
20	20.4	19.5	19.8	22.5	21.9	22.2	21.2	20.2	20.6	22.3	21.6	21.9
21	20.7	19.4	20.0	23.4	21.6	22.5	21.9	21.3	21.6	22.4	21.8	22.0
22	20.7	19.1	19.9	22.4	21.2	21.8	22.5	22.0	22.3	21.9	20.3	21.3
23	20.0	18.5	19.1	22.6	20.7	21.6	22.6	22.0	22.4	20.5	19.5	20.0
24	20.5	19.3	19.8	22.0	20.1	20.8	23.0	22.4	22.8	20.2	19.0	19.7
25	20.8	20.2	20.6	21.1	20.8	21.0	22.9	22.6	22.8	20.1	19.3	19.7
26	20.3	19.5	19.9	21.7	20.8	21.2	22.7	20.9	21.7	20.2	19.7	20.0
27	20.1	19.3	19.8	22.3	21.1	21.6	21.7	20.4	20.9	19.9	19.5	19.7
28	20.0	18.9	19.5	22.4	20.7	21.5	22.5	21.8	22.3	20.4	19.4	19.9
29	20.3	19.8	20.1	20.9	19.4	20.1	22.6	22.2	22.4	20.5	19.5	20.0
30	21.1	20.2	20.7	20.9	19.7	20.3	22.5	22.1	22.4	20.5	19.6	20.1
31	---	---	---	21.6	20.9	21.3	22.5	21.9	22.2	---	---	---
YEAR	23.4	4.7	16.1									

SAVANNAH RIVER BASIN

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02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.
(Hydrologic bench-mark station)

LOCATION.--Lat 33°23'05", long 81°37'00", Aiken County, Hydrologic Unit 03060106, at downstream side of bridge on U.S. Highway 278, 0.4 mi (0.6 km) upstream from Johnson Fork Creek, and 4.6 mi (7.4 km) southeast of New Ellenton.

DRAINAGE AREA.--87.0 mi² (225.3 km²).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Altitude of gage is 120 ft (37 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--16 years, 109 ft³/s (3.087 m³/s), 17.01 in/yr (432 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 420 ft³/s (11.9 m³/s) Aug. 17, 1971, gage height, 8.00 ft (2.438 m); minimum, 53 ft³/s (1.50 m³/s) Sept. 7, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 364 ft³/s, (10.3 m³/s) Jan. 1, gage height, 7.57 ft (2.307 m), no other peaks above base of 250 ft³/s (7.08 m³/s); minimum discharge, 53 ft³/s (1.50 m³/s) Sept. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	89	107	290	101	81	74	80	67	58	69	60
2	63	89	124	230	84	76	72	77	64	55	66	60
3	69	89	97	170	139	72	74	74	104	54	61	60
4	78	89	89	140	140	71	72	72	134	54	58	58
5	84	89	86	127	99	71	82	71	87	80	70	57
6	84	89	87	112	93	72	89	71	73	62	90	57
7	84	88	86	106	85	134	77	70	66	66	70	57
8	84	87	87	101	81	105	87	70	62	62	66	55
9	85	87	86	99	81	86	122	70	61	61	70	57
10	110	89	85	96	87	80	82	68	60	65	64	63
11	107	89	85	92	81	79	75	67	63	63	62	70
12	95	87	93	91	87	75	72	66	60	66	66	70
13	89	87	100	96	112	73	69	65	81	129	80	66
14	89	87	135	135	90	72	70	64	72	76	73	65
15	88	87	170	127	84	73	70	63	71	77	65	64
16	87	88	140	106	87	74	69	64	63	139	62	61
17	87	89	120	99	133	77	70	65	71	93	62	58
18	86	87	110	93	108	80	80	131	71	74	72	69
19	86	86	100	96	94	76	74	82	65	67	75	99
20	85	88	95	99	82	75	110	74	59	62	66	72
21	86	86	94	92	84	74	98	68	60	62	63	75
22	86	86	96	88	78	74	82	66	60	58	61	75
23	87	86	110	98	76	72	76	66	60	57	59	71
24	91	96	100	124	75	74	74	66	58	58	58	66
25	131	92	140	96	74	81	87	69	57	78	58	64
26	130	89	160	87	74	74	168	66	59	68	58	68
27	109	88	150	82	94	72	145	81	65	61	58	69
28	97	87	160	81	95	71	108	74	74	59	58	65
29	91	85	150	80	---	79	92	66	70	78	58	63
30	90	92	140	94	---	77	84	72	63	92	60	62
31	89	---	260	87	---	74	---	77	---	73	60	---
TOTAL	2785	2647	3642	3514	2598	2424	2604	2235	2080	2207	2018	1956
MEAN	89.8	88.2	117	113	92.8	78.2	86.8	72.1	69.3	71.2	65.1	65.2
MAX	131	96	260	290	140	134	168	131	134	139	90	99
MIN	58	85	85	80	74	71	69	63	57	54	58	55
CFSM	1.03	1.01	1.35	1.30	1.07	.90	1.00	.83	.80	.82	.75	.75
IN.	1.19	1.13	1.56	1.50	1.11	1.04	1.11	.96	.89	.94	.86	.84
CAL YR 1981	TOTAL	33906	MEAN 92.9	MAX 260	MIN 58	CFSM 1.07	IN 14.50					
WTR YR 1982	TOTAL	30710	MEAN 84.1	MAX 290	MIN 54	CFSM .97	IN 13.13					

SAVANNAH RIVER BASIN

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS NONCAR- BONATE (MG/L AS CAC03)
OCT										
22...	1430	90	--	--	17.0	--	--	--	--	--
NOV										
12...	1000	88	14	5.7	13.0	9.6	230	201	3	.00
DEC										
04...	1200	91	18	5.8	13.0	9.8	--	--	--	--
JAN										
12...	1030	96	15	5.4	7.0	11.0	257	108	3	.00
FEB										
17...	1545	136	17	5.4	17.0	8.4	--	--	--	--
MAR										
15...	1230	79	16	5.9	18.5	8.6	143	730	2	.00
APR										
20...	1100	139	18	5.6	17.0	8.6	--	--	--	--
MAY										
20...	0900	80	16	5.5	19.0	8.0	155	640	3	.00
JUN										
04...	0900	136	16	5.3	14.5	7.6	--	--	--	--
JUL										
16...	0845	169	22	4.8	22.0	7.3	K1040	840	5	3.0
AUG										
06...	1015	92	16	5.7	20.5	8.0	--	--	--	--
SEP										
09...	1030	64	13	5.8	19.0	8.4	260	640	2	.00

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT										
22...	--	--	--	--	--	--	--	--	--	--
NOV										
12...	.5	.3	1.5	53	.5	.3	2.3	2.3	<.1	7.6
DEC										
04...	--	--	--	--	--	--	--	--	--	--
JAN										
12...	.4	.4	1.6	54	.5	.2	2.2	1.9	<.1	8.2
FEB										
17...	--	--	--	--	--	--	--	--	--	--
MAR										
15...	.5	.3	1.8	61	.6	.1	1.5	1.9	<.1	6.2
APR										
20...	--	--	--	--	--	--	--	--	--	--
MAY										
20...	.5	.4	1.3	45	.4	.2	2.0	2.1	<.1	5.8
JUN										
04...	--	--	--	--	--	--	--	--	--	--
JUL										
16...	.9	.6	1.5	39	.3	.2	5.0	2.4	<.1	7.0
AUG										
06...	--	--	--	--	--	--	--	--	--	--
SEP										
09...	.4	.3	1.6	--	.6	<.1	2.0	2.2	<.1	7.2

SAVANNAH RIVER BASIN

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02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	
OCT 22...	--	--	--	--	--	--	1	.24	100	
NOV 12...	19	17	.03	4.5	--	--	1	.24	76	
DEC 04...	--	--	--	--	--	--	10	2.5	73	
JAN 12...	21	17	.03	5.4	.26	.080	8	2.1	54	
FEB 17...	--	--	--	--	--	--	5	1.8	96	
MAR 15...	18	15	.02	3.8	.26	.010	2	.43	45	
APR 20...	--	--	--	--	--	--	39	15	25	
MAY 20...	14	15	.02	3.0	.22	.020	3	.65	96	
JUN 04...	--	--	--	--	--	--	9	3.3	42	
JUL 16...	80	19	.11	36.5	.28	.020	12	5.7	30	
AUG 06...	--	--	--	--	--	--	3	.75	30	
SEP 09...	10	17	.01	1.7	.20	.020	--	--	--	
DATE	TIME	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)
NOV 12...	1000	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01
DATE	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	
NOV 12...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	
DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
NOV 12...	<.01	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01	

SAVANNAH RIVER BASIN

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

		ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)				
DATE	TIME										
NOV 12...	1000	1	100	<1	20	11	280				
MAY 20...	0900	1	<100	<1	10	3	400				
		LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)			
DATE	TIME										
NOV 12...	2	20	.1	<1	<1	30	--				
MAY 20...	3	10	.3	<1	<1	10	<.01				
DATE	TIME	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
NOV 12...	1000	4.6	.7	6.7	1.1	2.1	.6	2.0	.6	1.0	.04

02197309 TIMS BRANCH AT ROAD C AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°17'12", long 81°41'45", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, on left upstream end of metal culvert, 30 ft (9 m) northeast of SRP Road C and 300 ft (91 m) northwest of Upper Three Runs Creek.

DRAINAGE AREA.--17.5 mi² (45.3 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 140 ft (43 m) (from topographic map).

REMARKS.--Records good, except those when limbs partially blocked culvert Aug. 8 to Sept. 2, which are poor. Flow regulated by Savannah River Plant operations 5 mi (8 km) upstream.

AVERAGE DISCHARGE.--8 years, 5.77 ft³/s (0.163 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60.6 ft³/s (1.72 m³/s) May 29, 1976, gage height, 6.17 ft (1.881 m); minimum daily, 1.0 ft³/s (0.028 m³/s) September 27, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 44.1 ft³/s (1.25 m³/s), Dec. 31, gage height, 4.99 ft (1.521 m); minimum daily, 1.3 ft³/s (0.037 m³/s) Sept. 8,9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	2.3	6.3	30	4.3	3.5	3.1	4.9	2.6	2.2	5.9	1.9
2	1.4	2.1	9.3	16	3.5	3.1	3.0	4.6	2.3	2.1	5.1	1.9
3	1.3	2.3	7.9	18	6.8	3.9	3.0	4.4	2.7	1.9	4.8	1.8
4	1.3	2.3	8.3	18	9.2	3.8	2.9	6.3	4.5	1.8	3.5	1.7
5	1.7	1.9	8.3	14	6.0	3.7	3.9	5.7	3.9	1.9	5.6	1.6
6	1.7	4.4	7.5	10	4.8	3.5	4.0	5.1	3.1	1.9	10	1.4
7	1.5	5.2	7.4	9.2	4.0	7.8	3.3	4.5	2.6	1.9	6.0	1.4
8	1.6	3.2	7.3	8.8	3.7	6.5	3.9	4.0	2.3	1.9	4.3	1.3
9	1.6	2.5	7.7	8.3	4.0	4.0	4.9	3.7	2.2	2.0	4.3	1.3
10	3.3	2.4	8.1	7.8	5.0	4.4	3.9	3.4	2.1	2.7	3.5	1.5
11	3.1	2.6	8.6	5.0	5.2	4.2	3.4	3.2	2.1	2.4	2.7	1.8
12	2.5	2.7	8.6	3.4	5.5	4.1	3.2	3.2	2.0	2.7	2.7	1.9
13	2.2	2.5	8.7	4.1	8.6	3.6	2.9	3.0	2.9	4.8	5.6	1.9
14	2.0	2.3	12	7.9	5.2	3.1	2.8	3.0	2.8	3.3	3.0	2.0
15	2.0	2.3	21	7.6	3.7	3.0	3.4	2.9	2.4	2.6	2.3	1.9
16	1.9	2.3	18	5.2	3.7	3.5	3.5	2.7	2.3	2.5	2.0	1.7
17	1.9	2.4	9.4	4.4	7.6	6.7	4.2	2.6	3.1	2.6	2.0	1.5
18	1.9	2.3	5.6	3.8	5.9	7.3	4.5	5.8	2.9	2.5	3.4	3.3
19	2.0	2.4	5.1	4.1	5.6	5.1	3.3	4.4	2.5	2.1	7.0	12
20	1.8	2.5	4.1	4.3	4.7	4.4	7.2	3.5	2.2	2.2	3.7	7.1
21	1.9	2.5	3.8	6.0	3.9	4.0	7.7	3.0	2.3	3.5	2.9	6.4
22	1.9	2.6	3.9	4.0	3.2	3.4	7.2	2.8	4.2	2.4	2.5	5.6
23	1.9	2.6	3.9	4.4	3.2	3.3	6.0	2.8	3.5	2.3	2.4	4.0
24	2.1	2.8	3.7	6.5	3.9	3.6	4.7	2.6	4.4	2.7	2.0	3.3
25	2.1	2.8	9.1	4.6	4.2	4.3	5.6	2.7	4.6	2.8	1.6	3.0
26	4.6	2.9	7.5	3.8	4.3	4.1	11	2.6	4.8	3.7	1.4	3.0
27	3.4	3.2	5.5	3.5	4.8	3.5	14	2.5	7.0	3.2	1.8	3.0
28	2.9	3.7	5.5	3.5	4.1	3.2	9.9	2.4	7.2	2.6	1.7	2.8
29	2.5	4.4	8.0	3.5	---	3.4	7.0	2.3	4.2	5.9	1.4	2.7
30	2.3	4.7	5.5	4.8	---	3.2	6.0	2.6	3.0	12	1.6	2.6
31	2.3	---	21	4.3	---	3.2	---	3.1	---	7.6	1.7	---
TOTAL	66.0	85.1	256.6	238.8	138.6	128.4	153.4	110.3	98.7	96.7	108.4	87.3
MEAN	2.13	2.84	8.28	7.70	4.95	4.14	5.11	3.56	3.29	3.12	3.50	2.91
MAX	4.6	5.2	21	30	9.2	7.8	14	6.3	7.2	12	10	12
MIN	1.3	1.9	3.7	3.4	3.2	3.0	2.8	2.3	2.0	1.8	1.4	1.3

CAL YR 1981 TOTAL 1579.4 MEAN 4.33 MAX 34 MIN 1.0
WTR YR 1982 TOTAL 1568.3 MEAN 4.30 MAX 30 MIN 1.3

LOCATION.--Lat 33°17'08", long 81°41'40", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, on right bank 100 ft (30 m) upstream of SRP Road C, 2.0 mi (3.2 km) east of SRP Road 2.

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

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 880 ft³/s (24.9 m³/s) Mar. 13-14, 1980, gage height, 6.10 ft (1.859 m); minimum daily, 113 ft³/s (3.20 m³/s) Aug. 25, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 696 ft³/s (19.7 m³/s), Jan. 1, gage height, 5.73 ft (1.747 m); minimum daily, 116 ft³/s (3.29 m³/s) Oct. 3.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	153	187	645	223	210	175	178	155	146	166	131
2	117	153	251	489	212	194	171	172	149	136	161	133
3	116	154	231	309	251	188	169	167	150	132	152	131
4	117	152	183	357	352	183	168	165	267	128	143	130
5	120	151	166	339	276	181	179	161	259	147	168	124
6	122	156	160	251	219	180	221	159	181	157	354	120
7	120	155	158	225	205	245	192	156	154	143	311	119
8	122	151	158	217	194	307	185	155	142	145	195	118
9	124	149	155	208	194	223	254	153	137	154	220	118
10	148	153	155	202	212	199	225	148	134	179	258	126
11	178	154	155	196	206	191	185	146	135	193	176	144
12	161	152	155	194	203	186	173	143	134	175	197	151
13	145	149	157	202	286	180	166	140	146	225	274	145
14	138	148	198	266	258	176	166	138	171	231	254	140
15	137	149	329	325	212	175	168	136	155	190	197	139
16	134	149	371	260	207	176	166	135	148	274	166	134
17	134	151	261	219	276	195	167	136	163	294	155	129
18	134	151	218	205	283	221	212	244	171	191	191	151
19	135	150	212	204	228	199	191	217	161	181	248	514
20	134	153	187	220	206	187	223	171	145	172	189	375
21	135	154	177	214	196	178	260	157	139	253	166	203
22	137	151	177	200	190	174	202	150	138	223	156	206
23	138	152	176	208	185	171	178	146	141	163	151	171
24	142	158	175	290	186	172	167	146	138	185	142	155
25	182	168	282	251	183	187	183	195	137	404	138	146
26	235	160	340	208	183	185	342	164	135	244	135	148
27	215	155	249	195	211	172	426	169	168	172	134	155
28	183	154	232	191	236	169	312	200	213	156	133	149
29	164	151	278	189	---	176	216	170	183	168	130	144
30	157	156	264	190	---	184	191	153	167	206	131	137
31	155	---	384	195	---	176	---	165	---	182	129	---
TOTAL	4496	4592	6781	7864	6273	5940	6233	5035	4816	5949	5720	4886
MEAN	145	153	219	254	224	192	208	162	161	192	185	163
MAX	235	168	384	645	352	307	426	244	267	404	354	514
MIN	116	148	155	189	183	169	166	135	134	128	129	118
CAL YR 1981	TOTAL	64466	MEAN 177	MAX 530	MIN 114							
WTR YR 1982	TOTAL	68585	MEAN 188	MAX 645	MIN 116							

SAVANNAH RIVER BASIN

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02197315 UPPER THREE RUNS AT ROAD A AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°14'20", long 81°44'42", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, near right bank on downstream side of bridge at SRP Road A, 2.0 mi (3.2 km) south of SRP Road 2.

DRAINAGE AREA.--203 mi² (526 km²).

PERIOD OF RECORD.--June 1974 to January 1978, October 1978 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 90 ft (27 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 262 ft³/s (7.420 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,230 ft³/s (34.8 m³/s) May 29, 1976, gage height, 6.76 ft (2.060 m); minimum daily, 127 ft³/s (3.60 m³/s) Oct. 3.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 793 ft³/s (22.5 m³/s), Jan. 2, gage height, 5.83 ft (1.777 m); minimum daily, 127 ft³/s (3.60 m³/s) Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	194	218	651	270	271	209	215	185	174	199	159
2	131	194	295	671	277	242	204	203	162	154	191	164
3	127	194	315	439	288	231	200	195	164	148	180	160
4	129	193	246	403	387	224	199	191	268	143	166	159
5	135	191	208	423	401	221	208	184	342	157	171	152
6	136	195	194	357	289	220	265	180	238	185	370	147
7	139	197	190	282	262	273	245	176	185	162	405	145
8	143	190	189	264	245	366	221	175	166	167	283	144
9	145	186	185	253	240	318	286	172	157	170	243	143
10	174	191	181	241	260	252	301	167	151	204	311	154
11	223	192	181	232	263	236	229	163	151	235	246	175
12	210	190	182	228	250	229	208	160	151	211	213	187
13	185	186	182	238	329	221	196	156	166	251	347	182
14	172	185	216	297	349	216	193	154	197	309	343	174
15	169	184	336	372	279	212	195	150	182	242	269	171
16	167	186	433	359	260	212	194	148	171	280	210	167
17	164	189	403	280	317	256	192	150	188	369	190	156
18	164	188	285	256	362	317	245	252	200	261	241	161
19	165	185	270	248	311	261	239	289	189	217	357	430
20	164	189	239	268	276	235	246	208	167	203	271	619
21	164	191	216	269	251	222	317	183	156	272	214	319
22	168	188	212	251	237	214	262	171	153	305	194	276
23	169	185	211	249	227	207	214	167	159	206	188	235
24	172	193	206	335	227	206	195	163	158	255	176	200
25	216	207	291	345	224	223	204	217	153	318	170	185
26	289	202	385	270	222	227	352	199	151	429	167	182
27	302	192	361	245	249	209	485	194	169	224	162	192
28	252	198	288	235	292	201	449	221	262	189	161	185
29	216	183	325	235	---	208	301	212	227	190	158	175
30	202	187	337	232	---	222	236	183	198	242	158	168
31	197	---	373	242	---	214	---	194	---	228	158	---
TOTAL	5520	5715	8153	9670	7844	7366	7490	5792	5566	7100	7112	6066
MEAN	178	191	263	312	280	238	250	187	186	229	229	202
MAX	302	207	433	671	401	366	485	289	342	429	405	619
MIN	127	183	181	228	222	201	192	148	151	143	158	143

CAL YR 1981 TOTAL 77515 MEAN 212 MAX 610 MIN 127
WTR YR 1982 TOTAL 83394 MEAN 228 MAX 671 MIN 127

SAVANNAH RIVER BASIN

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.

LOCATION.--Lat 33°13'01", long 81°46'04", Aiken County, Hydrologic Unit 03060106, on left bank 1.4 mi (2.3 km) downstream from Upper Three Runs, 15.2 mi (24.5 km) upstream from Steel Creek, 6.2 mi (10.0 km) south of Jackson and at mile 156.8 (252.3 km).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1971 to current year, discharge below 25,000 ft³/s (708 m³/s) only.

GAGE.--Water-stage recorder. Datum of gage is 77.0 ft (23.47 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. At times of high flow, bankfull capacity is exceeded in the intervening channel reach.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, Apr. 1, 1980, gage height, 20.74 ft (6.322 m); minimum daily, 5,190 ft³/s (147 m³/s) July 31, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20,500 ft³/s (581 m³/s) Feb. 20, gage height, 17.12 ft (5.218 m); minimum daily, 3,220 ft³/s (91.2 m³/s) Dec. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5200	4660	3510	13600	5680	11200	6620	13600	5830	5600	5490	5520
2	5050	4770	3450	18100	5760	13500	6550	6970	5950	5460	5420	5550
3	5070	4660	4420	19500	6370	15900	6280	5410	5770	5500	5390	5590
4	5300	4450	4120	16800	12100	16100	5480	5800	6580	5520	5370	5710
5	5270	4680	4530	14700	14600	15900	5230	5970	6630	5320	5390	5490
6	5160	6330	4040	17200	14500	14200	5400	6680	5970	5390	5630	5150
7	5080	6310	3630	17800	9860	9020	5970	7280	5630	5490	5950	5140
8	5040	4800	3230	13100	6790	6380	7390	6790	5560	5690	6020	5260
9	5130	4760	3220	9260	6800	7840	8130	6260	5600	5430	5970	5560
10	5170	4500	3640	7990	8480	8350	8750	5650	5670	5360	7130	6150
11	5340	4340	4530	5910	7850	7860	5830	5460	5720	5600	7430	7030
12	5510	4210	6500	10600	8100	7510	5200	5600	5730	5620	7390	6330
13	5490	4390	5590	12200	9310	7330	5180	5930	5850	5610	6590	5820
14	5040	4620	5380	8970	7530	6220	5120	6460	5590	5860	5990	6520
15	4920	4800	5780	8590	6910	5540	5770	6850	5560	5710	5710	8350
16	4990	4720	6040	9020	7770	5440	7420	6360	5760	5780	5350	8440
17	4900	4150	7630	7340	8750	5850	7560	5630	5720	6040	5560	9480
18	5090	3970	8020	5690	16700	7790	5770	5490	5810	6120	5680	7690
19	5390	3930	5950	6260	19500	8230	5470	5800	5960	5860	6040	7180
20	5180	3850	5610	7800	20400	7900	5440	5740	6030	5790	6270	6590
21	4790	4360	5240	7310	19100	6520	7350	5640	5860	5940	5930	6260
22	4760	4890	5060	6620	15100	5680	10200	5600	6270	6150	5650	6380
23	4750	5390	4750	6630	14400	5970	11000	5780	6380	6440	5400	8500
24	4740	4060	4670	6450	14400	6650	9770	6160	5950	6450	5330	8060
25	4850	3970	5150	6140	14400	6880	6620	7380	5820	5840	5530	7050
26	5450	4620	9960	7920	14400	6880	6090	6780	5790	5880	7370	6150
27	5540	4380	12800	9320	14400	6890	13400	6460	6080	6050	7360	5740
28	4920	4230	9940	10100	14000	6030	17600	6700	6450	6760	5790	6180
29	4760	4050	6490	9620	---	5530	18400	6260	6230	7970	5560	8010
30	4660	4040	6620	7340	---	5990	17100	5810	6030	6560	5550	9180
31	4660	---	7860	5770	---	6480	---	5890	---	6060	5480	---
TOTAL	157200	136890	177760	313650	323960	257560	242090	198190	177780	182910	184720	200060
MEAN	5071	4563	5734	10120	11570	8308	8070	6393	5926	5900	5959	6669
MAX	5540	6330	12800	19500	20400	16100	18400	13600	6630	7970	7430	9480
MIN	4660	3850	3220	5690	5680	5440	5120	5410	5560	5320	5330	5140
CAL YR 1981	TOTAL	2208100	MEAN	6050	MAX	17000	MIN	3220				
WTR YR 1982	TOTAL	2552770	MEAN	6994	MAX	20400	MIN	3220				

SAVANNAH RIVER BASIN

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02197320 SAVANNAH RIVER NEAR JACKSON, S.C.--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1971 to current year.

INSTRUMENTATION.--Servo Programmer since October 1971.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.5°C July 21, 1981; minimum, 4.3°C Jan. 12, 1982.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.1°C Aug. 26; minimum, 4.3°C Jan. 12.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.0	22.3	22.7	18.0	17.7	17.8	14.4	14.1	14.3	9.0	8.3	8.7
2	22.9	22.4	22.7	18.0	17.4	17.7	14.9	14.2	14.5	8.2	7.4	7.7
3	22.4	21.4	21.7	18.4	17.8	18.1	14.3	13.1	13.6	8.3	7.8	8.0
4	21.4	20.7	21.0	18.9	18.4	18.7	13.0	12.5	12.7	9.4	8.3	8.9
5	20.9	20.0	20.5	19.4	18.9	19.2	12.6	11.9	12.3	9.4	8.9	9.2
6	21.5	20.7	21.1	19.4	19.1	19.3	11.8	11.2	11.4	9.8	8.6	9.2
7	21.6	21.1	21.4	19.1	17.8	18.4	11.6	10.9	11.2	9.7	9.2	9.4
8	21.1	20.7	20.9	17.7	16.9	17.2	12.0	11.0	11.4	10.2	9.7	10.0
9	20.7	20.3	20.4	17.0	16.4	16.6	11.4	10.5	10.9	10.0	9.3	9.6
10	20.4	19.4	19.9	16.9	16.5	16.7	10.4	9.9	10.2	9.2	7.2	8.3
11	19.4	19.1	19.3	17.1	16.4	16.7	10.1	9.6	9.9	7.0	5.8	6.2
12	19.5	18.9	19.2	16.4	15.8	16.1	9.7	8.9	9.2	6.1	4.3	5.1
13	19.2	18.7	19.0	15.7	15.2	15.4	9.7	8.5	9.0	5.9	4.8	5.5
14	19.1	18.3	18.8	15.2	14.6	14.9	10.1	9.6	9.8	5.6	5.3	5.4
15	19.4	18.6	19.0	14.7	14.0	14.4	10.1	9.7	10.0	5.5	4.8	5.1
16	19.6	18.8	19.2	14.4	14.1	14.3	9.6	9.0	9.3	5.6	4.9	5.2
17	20.0	19.3	19.7	14.7	14.0	14.3	9.1	8.6	8.9	6.0	5.2	5.6
18	20.4	20.0	20.2	14.8	13.9	14.4	8.6	7.8	8.1	6.2	5.1	5.6
19	20.2	19.5	19.7	15.2	14.0	14.6	8.2	7.8	7.9	7.1	6.3	6.6
20	19.4	18.6	18.9	15.9	14.9	15.4	7.7	7.0	7.4	8.0	6.9	7.4
21	18.7	18.2	18.5	14.7	13.8	14.2	7.4	6.3	6.9	9.6	8.0	8.9
22	18.7	18.2	18.5	14.1	13.4	13.8	8.8	7.5	8.0	9.5	9.5	9.5
23	19.3	18.7	19.1	13.6	12.8	13.1	10.3	8.9	9.4	9.6	9.4	9.5
24	19.2	18.1	18.7	13.1	12.5	12.8	10.6	10.4	10.5	9.3	8.9	9.1
25	18.1	17.2	17.6	12.9	12.2	12.5	10.9	10.6	10.8	8.9	8.1	8.4
26	17.2	16.9	17.1	13.2	12.4	12.8	11.0	9.6	10.5	8.1	7.3	7.8
27	17.6	16.8	17.3	14.1	13.1	13.6	9.5	9.0	9.1	7.9	7.0	7.4
28	18.0	17.1	17.6	15.1	14.1	14.6	9.5	8.8	9.1	6.9	6.3	6.6
29	18.3	17.5	18.0	14.8	14.2	14.5	10.3	9.5	9.9	6.4	6.0	6.2
30	18.3	18.1	18.2	15.0	14.4	14.8	10.2	9.7	9.9	7.1	6.4	6.8
31	18.5	17.9	18.1	---	---	---	9.7	8.8	9.2	8.1	6.9	7.5

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.9	8.1	9.0	8.0	7.3	7.6	14.9	13.4	14.1	15.9	15.4	15.7
2	10.1	9.4	9.8	8.4	7.4	8.0	14.8	14.3	14.5	17.6	15.9	16.7
3	10.0	9.6	9.8	9.4	8.4	8.8	15.3	14.3	14.8	18.5	17.0	17.8
4	9.8	9.2	9.3	10.1	9.3	9.6	15.1	14.4	14.8	19.1	18.3	18.7
5	9.2	8.4	8.7	10.7	9.8	10.2	15.0	14.2	14.6	19.0	18.0	18.5
6	8.7	8.5	8.6	11.7	10.7	11.1	14.7	13.8	14.3	18.7	18.0	18.4
7	10.3	8.7	9.7	11.9	11.4	11.8	14.2	13.2	13.8	18.3	17.1	17.7
8	10.3	9.6	9.9	11.6	10.4	11.0	13.7	12.3	13.0	18.0	16.6	17.4
9	9.9	9.2	9.6	11.6	10.5	11.1	13.7	12.0	12.9	18.1	17.0	17.7
10	10.4	9.8	10.0	12.2	10.6	11.4	13.2	12.6	12.8	18.3	17.5	18.0
11	10.3	9.5	9.9	13.1	11.6	12.3	14.4	12.7	13.5	19.5	18.3	18.9
12	10.0	9.3	9.7	13.9	12.3	13.1	15.2	13.6	14.4	19.7	19.3	19.6
13	9.7	9.0	9.3	14.3	12.9	13.6	16.1	15.3	15.9	19.5	18.9	19.3
14	9.5	9.0	9.2	14.8	13.7	14.3	16.9	16.1	16.5	19.6	18.5	19.1
15	9.6	8.5	9.2	15.3	14.4	14.9	17.0	16.7	16.9	19.5	17.9	18.8
16	10.5	9.2	10.0	15.3	14.4	14.9	16.9	16.2	16.6	19.6	17.8	18.7
17	11.3	10.2	10.9	14.9	14.5	14.7	16.9	16.0	16.4	19.7	18.5	19.1
18	12.3	10.6	11.5	14.6	13.6	14.0	17.2	15.8	16.5	20.3	19.3	19.8
19	10.7	10.0	10.3	14.2	13.1	13.6	17.1	16.5	16.7	20.6	19.9	20.3
20	10.4	10.0	10.2	15.5	13.9	14.7	17.7	16.7	17.2	20.3	19.8	20.1
21	10.7	9.9	10.2	16.7	15.1	15.8	17.4	16.3	16.9	20.4	19.9	20.2
22	10.8	10.3	10.6	16.7	16.1	16.3	16.1	14.4	15.2	20.3	19.7	20.1
23	10.5	9.4	9.9	16.5	15.9	16.3	14.7	14.1	14.5	21.0	20.1	20.5
24	10.2	9.3	9.7	16.5	14.9	15.5	14.5	13.5	14.1	21.2	20.0	20.8
25	10.2	9.6	9.9	14.9	14.0	14.5	14.8	14.2	14.6	21.1	19.2	20.2
26	10.1	9.2	9.6	14.7	13.8	14.1	17.0	14.7	15.7	20.5	19.1	19.9
27	9.2	7.6	8.2	13.8	12.7	13.2	17.0	14.6	15.8	21.0	19.8	20.4
28	7.5	7.1	7.3	13.1	12.2	12.6	15.0	14.2	14.7	21.1	20.4	20.9
29	---	---	---	12.9	12.0	12.5	15.6	14.8	15.3	21.1	20.0	20.6
30	---	---	---	13.8	12.7	13.2	15.6	15.0	15.4	21.1	20.3	20.7
31	---	---	---	13.8	13.0	13.4	---	---	---	22.1	20.9	21.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	22.3	21.1	21.7	22.8	22.5	22.7	23.0	22.8	22.9	24.3	23.7	23.9
2	22.5	22.3	22.4	23.2	22.6	22.9	23.6	22.8	23.2	24.1	23.7	23.9
3	22.3	21.3	21.8	23.6	23.0	23.4	23.5	22.9	23.3	23.9	23.3	23.7
4	21.4	20.5	20.9	23.6	23.2	23.4	23.5	23.1	23.3	24.0	23.3	23.7
5	21.1	19.7	20.5	23.7	23.2	23.5	23.9	23.4	23.7	24.1	23.3	23.7
6	20.9	19.5	20.3	23.9	23.3	23.6	23.7	23.0	23.4	23.9	23.3	23.6
7	21.0	20.1	20.6	24.1	23.5	23.9	23.6	23.1	23.5	23.7	23.0	23.5
8	22.1	20.7	21.3	24.0	22.8	23.3	24.1	23.0	23.6	23.6	23.1	23.4
9	22.3	21.8	22.1	23.0	21.8	22.2	24.2	23.4	23.8	23.6	22.6	23.0
10	22.5	22.0	22.3	22.1	21.6	21.9	24.7	23.2	24.0	23.0	22.2	22.5
11	22.1	21.3	21.8	22.4	21.9	22.1	23.8	22.8	23.3	22.3	21.4	21.8
12	21.8	21.1	21.6	22.4	21.6	22.1	23.3	21.5	22.4	22.1	21.3	21.7
13	21.8	20.7	21.3	23.1	22.1	22.5	22.8	21.9	22.4	22.4	21.8	22.1
14	22.0	21.0	21.5	23.4	23.0	23.2	23.5	22.6	23.0	23.0	21.9	22.5
15	22.2	21.4	21.8	23.4	23.1	23.3	23.9	23.2	23.6	22.9	22.1	22.5
16	22.9	21.6	22.3	23.3	22.6	23.0	24.3	23.4	23.8	23.0	22.3	22.6
17	22.9	21.1	21.8	22.6	21.9	22.4	24.3	23.6	24.1	22.7	22.2	22.5
18	21.5	21.0	21.2	23.2	22.3	22.8	24.3	23.3	23.7	23.8	22.6	23.2
19	21.5	20.5	21.1	23.3	22.6	23.0	23.6	22.9	23.2	23.5	22.5	23.0
20	21.4	20.8	21.1	24.2	22.7	23.4	23.1	22.2	22.6	23.5	22.7	23.2
21	22.0	20.9	21.4	24.7	23.6	24.1	23.6	22.3	22.9	23.5	22.9	23.3
22	21.8	20.7	21.4	24.9	23.7	24.2	24.1	23.3	23.7	23.2	22.6	22.9
23	21.8	20.3	21.2	24.2	22.5	23.4	24.6	23.8	24.2	22.6	20.9	21.7
24	21.6	20.4	21.0	23.6	22.4	23.0	24.9	24.2	24.5	21.4	20.5	20.9
25	22.2	20.8	21.4	23.1	22.1	22.6	25.0	24.7	24.9	21.1	20.0	20.7
26	22.4	21.7	22.1	23.7	22.8	23.3	25.1	23.8	24.6	20.8	20.3	20.5
27	22.0	20.9	21.3	23.9	22.9	23.5	24.2	23.3	23.8	20.9	20.0	20.5
28	21.6	20.7	21.1	24.0	22.8	23.5	24.3	22.8	23.4	21.2	20.3	20.9
29	22.1	20.7	21.5	23.7	21.9	22.5	24.3	23.9	24.2	21.4	20.4	20.9
30	22.6	21.5	22.0	22.9	21.3	22.1	24.3	23.6	24.1	21.0	20.6	20.8
31	---	---	---	22.8	21.7	22.4	24.2	23.7	24.1	---	---	---
YEAR	25.1	4.3	16.7									

LOCATION.--Lat 33°11'12", long 81°45'05", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on downstream side of foot bridge near left bank, 1.0 mi (1.6 km) downstream from Area 400-D.

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

REMARKS.--Records good. Flow regulated by Savannah River Plant operations 1.0 mi (1.6 km) upstream.

AVERAGE DISCHARGE.--8 years, 85.2 ft³/s (2.413 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 199 ft³/s (5.64 m³/s) May 28, 1976, gage height, 2.79 ft (0.850 m); minimum daily, 43 ft³/s (1.22 m³/s) Dec. 9, 10, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 117 ft³/s (3.31 m³/s), Mar. 17, gage height, 2.23 ft (0.680 m); minimum daily, 55.0 ft³/s (1.56 m³/s) Jan. 11.

DAY	OCT	NOV	DEC	JAN	FER	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	88	94	92	68	102	99	96	92	89	93	93
2	91	86	92	78	68	105	101	93	92	89	92	93
3	91	86	91	78	70	104	100	91	92	89	91	93
4	91	85	92	84	70	102	98	92	92	89	91	92
5	92	90	90	78	72	103	99	89	92	90	92	93
6	93	93	84	72	95	101	100	90	91	90	94	94
7	94	91	89	66	94	99	96	91	91	93	93	93
8	95	89	84	67	93	98	98	90	91	92	93	94
9	97	91	91	66	93	101	98	90	90	90	93	93
10	98	87	101	65	96	102	98	89	92	90	93	94
11	97	89	90	55	97	101	96	89	90	91	93	93
12	97	97	89	60	97	101	95	88	91	92	94	92
13	98	93	86	61	99	100	96	89	93	93	95	91
14	95	95	91	64	97	100	96	90	92	93	94	92
15	96	94	95	70	90	100	95	90	92	93	94	94
16	94	96	95	71	94	100	96	89	92	91	93	94
17	95	95	90	70	98	104	98	91	92	92	94	94
18	97	91	84	69	103	104	97	92	92	92	95	93
19	96	91	62	69	107	101	95	92	91	91	93	95
20	103	89	61	70	103	100	97	92	91	90	93	92
21	99	87	75	70	103	99	96	91	92	91	93	91
22	88	91	82	71	103	100	97	92	92	92	93	90
23	93	93	81	71	102	99	98	91	91	92	93	91
24	94	92	82	71	104	100	97	93	92	93	91	90
25	99	91	86	71	104	100	98	94	90	92	92	90
26	100	91	88	71	103	100	98	92	90	92	94	90
27	100	93	90	72	105	100	100	93	90	91	95	90
28	96	91	91	72	103	100	99	93	90	91	94	89
29	95	89	87	71	---	99	98	92	90	93	93	90
30	94	89	81	69	---	98	98	93	90	93	93	90
31	92	---	99	68	---	98	---	93	---	92	93	---
TOTAL	2955	2723	2697	2182	2631	3121	2927	2830	2738	2831	2887	2763
MEAN	95.3	90.8	87.0	70.4	94.0	101	97.6	91.3	91.3	91.3	93.1	92.1
MAX	103	97	101	92	107	105	101	96	93	93	95	95
MIN	88	85	61	55	68	98	95	88	90	89	91	89
CAL YR 1981	TOTAL	34258	MEAN	93.9	MAX	115	MIN	61				
WTR YR 1982	TOTAL	33285	MEAN	91.2	MAX	107	MIN	55				

02197327 BEAVERDAM CREEK AT MOUTH AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°09'57", long 81°45'55", Barnwell County, Hydrologic Unit 03060106, on left bank 6.1 m (9.8 km) downstream from Upper Three Runs, 10.5 m (16.9 km) upstream from Steel Creek and at mile 152.1.

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1979 to current year.

INSTRUMENTATION.--Servo Programmer since October 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 33.5°C July 11-16, Aug. 5, 1980, July 16, 1981; minimum, 7.5°C Feb. 13-14, 1981.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 32.8°C July 27; minimum, 9.2°C Feb. 27, 28.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	27.9	27.1	27.5	23.8	23.0	23.4	22.0	20.4	21.0	---	---	---
2	27.5	26.6	26.9	25.1	23.2	24.1	21.3	21.2	21.2	---	---	---
3	26.5	23.6	24.6	26.1	24.5	25.3	21.2	21.2	21.2	---	---	---
4	23.5	22.6	23.0	26.7	25.4	26.0	21.2	21.0	21.1	---	---	---
5	24.5	23.3	23.7	26.7	26.0	26.4	21.0	20.8	20.9	---	---	---
6	25.7	24.4	24.8	25.9	24.5	25.2	20.8	20.3	20.5	---	---	---
7	26.2	25.7	25.9	24.3	22.6	23.1	20.2	19.7	20.0	---	---	---
8	26.0	24.7	25.3	22.6	21.0	21.9	19.7	19.5	19.6	---	---	---
9	24.6	23.4	23.7	22.8	20.6	21.7	19.7	16.0	18.9	---	---	---
10	23.4	22.5	22.8	23.0	21.1	22.3	15.7	12.8	13.9	---	---	---
11	23.5	22.4	22.9	20.9	18.6	19.8	13.0	11.4	12.3	---	---	---
12	23.9	23.0	23.5	18.4	16.4	17.2	15.4	13.0	14.1	---	---	---
13	23.7	22.8	23.2	18.0	15.9	17.1	17.2	15.2	15.9	---	---	---
14	23.5	22.3	22.9	18.4	16.8	17.6	18.4	17.3	17.8	---	---	---
15	24.1	22.8	23.4	17.4	14.9	16.2	18.6	17.1	18.0	---	---	---
16	24.7	23.1	23.8	19.2	16.6	17.7	16.9	15.5	16.0	---	---	---
17	25.5	24.2	24.8	19.7	17.7	18.6	16.2	14.5	15.3	---	---	---
18	26.2	25.4	25.8	18.8	16.9	17.5	16.2	15.9	16.0	---	---	---
19	25.7	23.6	24.5	17.9	15.8	16.8	16.1	15.8	15.9	---	---	---
20	23.4	21.9	22.5	20.0	18.1	19.1	15.8	15.4	15.6	---	---	---
21	23.8	21.6	22.6	18.1	16.9	17.4	15.4	15.0	15.2	---	---	---
22	25.4	23.2	24.2	17.9	16.7	17.3	---	---	---	---	---	---
23	26.3	25.2	25.7	18.4	16.7	17.6	---	---	---	---	---	---
24	25.7	21.8	23.8	19.6	18.3	18.9	---	---	---	---	---	---
25	21.7	20.1	20.7	19.3	17.8	18.6	---	---	---	---	---	---
26	23.4	20.3	21.5	20.8	18.0	19.3	---	---	---	---	---	---
27	24.5	23.5	24.1	23.3	20.8	21.8	---	---	---	---	---	---
28	24.2	22.5	23.4	24.0	22.8	23.5	---	---	---	---	---	---
29	24.0	22.6	23.4	22.6	21.0	21.7	---	---	---	13.8	13.0	13.5
30	24.2	23.4	23.8	22.1	20.6	21.5	---	---	---	15.2	12.5	13.8
31	23.9	23.2	23.6	---	---	---	---	---	---	15.9	14.2	15.1

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TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	15.3	13.8	14.4	15.0	11.8	13.4	25.4	22.0	23.6	---	---	---
2	14.9	14.0	14.4	15.2	11.9	14.2	26.0	23.9	25.0	---	---	---
3	16.3	14.9	15.3	11.7	10.5	10.8	25.9	24.4	25.2	---	---	---
4	19.6	16.5	18.3	11.1	10.7	10.9	24.5	22.6	23.7	---	---	---
5	15.6	9.3	10.4	11.8	11.0	11.3	23.8	22.1	22.8	---	---	---
6	14.0	10.4	11.9	20.7	12.0	18.0	23.1	21.5	22.2	---	---	---
7	15.7	13.9	14.7	20.8	18.8	20.4	22.0	19.6	20.9	---	---	---
8	17.2	15.2	16.0	18.4	16.1	17.3	21.5	19.6	20.7	---	---	---
9	18.6	17.2	17.9	18.8	15.7	17.2	22.3	19.4	20.7	---	---	---
10	18.6	17.7	18.1	20.0	16.9	18.4	21.8	20.7	21.3	---	---	---
11	18.0	17.5	17.8	21.4	18.9	20.0	22.6	20.5	21.5	---	---	---
12	17.8	16.9	17.2	22.8	19.7	21.1	23.6	20.4	22.0	---	---	---
13	17.5	16.7	17.0	22.9	21.3	22.0	25.3	23.1	24.7	---	---	---
14	18.0	16.8	17.3	22.2	20.8	21.7	27.1	24.4	25.6	28.1	26.4	27.5
15	18.9	17.6	18.1	25.2	21.4	23.1	26.8	25.1	26.0	28.1	26.6	27.4
16	20.6	19.0	19.8	24.2	22.5	23.2	26.8	25.1	26.0	28.2	26.8	27.5
17	20.7	20.3	20.5	24.7	22.4	23.4	27.1	25.8	26.3	28.7	27.1	27.9
18	20.6	14.4	16.4	24.7	23.2	23.9	25.8	24.0	25.0	28.8	26.4	27.5
19	14.2	11.9	13.1	26.5	23.5	24.9	23.8	21.8	22.9	28.4	27.6	28.0
20	12.1	10.2	10.8	28.1	25.6	26.8	23.6	21.3	22.3	29.0	27.1	28.0
21	10.9	10.1	10.4	28.5	26.1	27.3	24.6	22.2	23.4	29.4	27.7	28.5
22	13.1	11.0	11.8	27.5	25.6	26.2	23.9	19.1	21.9	29.9	27.9	29.0
23	13.0	10.8	11.4	25.9	23.8	25.0	21.0	17.2	19.7	30.0	28.5	29.2
24	11.0	10.5	10.8	24.9	23.9	24.3	22.8	15.1	18.3	28.9	26.2	27.8
25	11.0	10.7	10.8	25.5	23.2	24.3	25.8	10.5	21.0	27.3	25.6	26.4
26	10.9	10.2	10.5	24.8	21.0	23.3	28.1	22.9	26.0	26.4	25.2	25.8
27	10.2	9.2	9.6	20.6	17.8	18.9	28.4	28.0	28.2	26.9	24.7	25.7
28	11.7	9.2	10.4	18.2	15.9	17.1	---	---	---	28.7	25.7	27.1
29	---	---	---	18.1	15.9	17.1	---	---	---	28.5	27.2	28.0
30	---	---	---	20.0	17.1	18.5	---	---	---	28.3	27.4	27.9
31	---	---	---	22.0	19.4	20.5	---	---	---	29.4	27.2	28.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	30.2	28.8	29.5	31.7	30.4	31.1	30.6	29.7	30.1	29.0	28.0	28.4
2	31.3	29.0	30.2	31.6	30.1	30.9	31.1	29.9	30.5	31.2	27.7	29.4
3	31.3	28.9	30.4	32.2	30.4	31.3	31.2	29.7	30.5	30.1	28.3	29.0
4	29.5	28.6	28.9	32.5	31.1	31.8	31.6	30.0	30.8	28.9	27.7	28.4
5	30.0	28.1	29.0	31.9	30.4	31.2	31.5	29.7	30.8	28.8	27.6	28.2
6	29.9	28.5	29.3	31.1	29.4	30.1	30.6	28.8	29.7	28.7	27.0	27.9
7	29.8	27.6	28.8	30.6	29.0	29.7	31.5	29.6	30.5	29.1	27.0	28.1
8	30.6	28.2	29.5	30.0	28.6	29.1	32.0	30.7	31.3	29.0	27.8	28.4
9	31.7	29.3	30.5	28.7	27.6	28.1	31.5	30.2	30.9	28.6	27.7	28.2
10	31.8	29.8	30.7	27.6	26.6	27.2	31.5	30.1	30.8	28.3	27.9	28.1
11	30.3	28.8	29.6	29.1	27.2	28.2	31.3	30.3	30.8	28.7	28.0	28.4
12	29.9	28.5	29.2	30.3	28.6	29.4	31.0	29.6	30.3	29.3	28.4	28.8
13	28.7	27.3	28.1	30.4	29.4	29.9	30.0	29.3	29.7	29.7	28.9	29.3
14	29.9	27.5	28.7	30.7	29.3	29.9	30.6	29.5	30.0	29.9	28.8	29.4
15	30.6	28.6	29.6	30.8	29.7	30.3	31.2	29.8	30.5	30.6	29.4	30.0
16	31.3	29.6	30.4	31.0	29.8	30.2	31.2	29.9	30.6	30.7	29.4	30.1
17	30.0	28.8	29.5	29.8	29.2	29.5	31.2	30.3	30.7	30.4	29.0	29.8
18	29.0	28.6	28.8	30.8	29.0	29.9	30.4	28.3	29.4	30.7	28.8	29.8
19	30.5	28.3	29.4	31.5	30.0	30.7	30.0	28.3	29.1	30.0	28.1	29.0
20	30.7	28.8	29.8	32.0	30.3	31.1	30.4	29.4	29.9	30.2	29.2	29.7
21	31.2	29.9	30.5	32.5	30.7	31.6	31.1	29.8	30.5	29.6	26.9	28.2
22	30.5	29.7	30.2	32.6	31.2	32.0	31.3	29.8	30.6	26.7	24.5	25.4
23	30.6	29.1	29.9	31.9	30.1	31.0	31.7	30.2	31.0	25.0	23.3	24.2
24	30.4	28.8	29.7	30.9	29.7	30.3	32.4	30.8	31.6	25.4	23.6	24.6
25	30.6	29.1	29.9	31.7	30.3	31.0	32.0	30.7	31.4	26.4	24.0	25.2
26	31.1	29.5	30.3	32.3	30.7	31.5	31.9	30.7	31.4	26.2	25.5	25.9
27	30.4	29.8	30.1	32.8	31.3	32.1	32.1	30.9	31.5	26.6	25.0	25.8
28	30.5	29.2	29.9	32.4	31.6	32.0	31.8	30.8	31.4	27.7	26.0	26.9
29	30.7	29.6	30.2	31.5	30.4	30.8	31.2	30.1	30.6	27.6	26.5	27.2
30	31.5	29.6	30.6	30.8	29.9	30.4	29.7	27.8	28.6	27.0	25.8	26.5
31	---	---	---	30.7	30.1	30.4	28.8	27.1	28.0	---	---	---
YEAR	32.8	9.2	24.2									

SAVANNAH RIVER BASIN

02197328 FOUR MILE CREEK NEAR JACKSON, S.C.

LOCATION.--Lat 33°08'52", long 81°45'01", Barnwell County, Hydrologic Unit 03060106, on left bank 7.6 mi (12.2 km) downstream from Upper Three Runs 9.0 mi (14.5 km) upstream from Steel Creek at mile 150.6.

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1979 to current year.

INSTRUMENTATION.--Servo Programmer since October 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 42.0°C June 9, 1982; minimum, 4.1°C Dec. 21, 1981.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 42.0°C June 9; minimum, 4.1°C Dec. 21.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	27.2	22.9	25.1	18.6	17.9	18.0	18.3	18.0	18.0	23.4	9.5	16.0
2	25.3	22.8	24.0	18.0	17.8	17.9	26.0	18.4	21.9	9.4	7.8	8.2
3	26.2	18.9	21.8	17.9	17.7	17.8	29.6	22.7	26.7	8.2	7.9	8.1
4	31.8	26.7	28.8	17.9	17.7	17.8	29.0	27.1	28.1	9.7	8.3	9.1
5	34.9	29.0	31.8	17.8	17.7	17.8	28.9	26.3	27.5	11.9	9.5	10.3
6	36.7	32.5	34.4	18.1	17.7	17.9	29.0	26.6	27.8	12.0	8.4	10.0
7	35.2	34.2	34.6	18.3	17.8	18.0	29.9	27.2	28.5	10.5	9.5	9.7
8	34.1	18.2	28.2	17.9	17.8	17.8	29.9	27.7	28.8	23.5	10.5	16.2
9	25.7	20.3	22.1	17.9	17.7	17.8	28.6	15.8	25.4	26.3	23.8	25.1
10	29.2	23.4	26.6	17.9	17.7	17.8	14.6	10.3	11.5	24.5	14.6	22.7
11	32.7	29.1	30.8	17.8	17.7	17.8	22.4	10.3	16.3	23.0	20.5	21.9
12	33.4	31.0	32.2	17.8	17.7	17.7	26.6	22.5	24.7	22.9	11.7	18.9
13	32.6	30.4	31.6	17.8	17.7	17.8	27.9	25.3	26.6	16.6	9.8	10.9
14	33.6	29.9	31.7	17.9	17.7	17.8	28.7	27.5	28.1	24.5	19.1	24.0
15	34.6	31.0	32.7	18.0	17.8	17.8	28.7	18.7	26.8	25.2	22.1	23.5
16	35.4	31.7	33.6	17.9	17.8	17.8	17.4	12.4	13.7	27.6	25.0	26.1
17	36.2	32.9	34.5	17.9	17.8	17.8	12.5	9.6	11.1	27.0	24.5	25.8
18	35.0	33.1	34.2	17.8	13.8	16.8	12.6	10.2	11.8	28.3	24.9	26.5
19	33.2	30.8	32.0	18.7	14.2	16.0	9.8	7.1	8.0	31.2	27.8	29.4
20	33.5	29.5	31.4	21.5	19.0	20.7	7.2	4.7	5.9	32.9	30.7	31.6
21	32.8	20.4	28.0	22.0	21.0	21.4	7.9	4.1	5.8	32.7	30.8	31.8
22	20.5	18.8	19.4	21.3	20.6	20.9	12.0	7.8	9.6	30.9	28.0	28.8
23	18.7	18.0	18.3	20.9	20.3	20.6	25.1	11.6	18.6	28.7	27.3	28.1
24	18.4	18.1	18.2	20.2	18.1	18.9	27.7	25.2	27.0	28.1	24.9	26.5
25	18.7	18.1	18.4	18.4	18.0	18.2	27.3	25.3	26.3	25.5	12.6	15.5
26	18.3	18.0	18.1	18.5	18.3	18.4	25.7	12.1	20.7	13.6	10.4	11.4
27	18.0	17.8	17.9	18.3	18.2	18.3	12.1	11.1	11.5	10.0	7.1	8.5
28	17.9	17.7	17.8	18.3	18.0	18.2	29.5	11.9	20.9	10.2	6.8	8.5
29	17.8	17.7	17.8	18.2	18.1	18.1	29.6	27.2	28.3	12.1	9.4	10.6
30	18.0	17.8	17.8	18.1	18.0	18.0	28.3	25.6	26.5	13.3	9.5	11.3
31	18.6	17.8	17.9	---	---	---	26.1	22.1	23.6	15.3	10.6	13.1

SAVANNAH RIVER BASIN

02197330 SITE NO. 1 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°17'00", long 81°39'00", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, at pipe culvert 100 ft (30 m) above Road E, 2000 ft (610 m) southwest of H Area.

DRAINAGE AREA.--0.13 mi² (0.34 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 260 ft (79 m) (from topographic map).

REMARKS.--Records good, except those for periods when discharge was over 25 ft³/s (0.71 m³/s) which are undefined. Flow completely regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--10 years, 1.43 ft³/s (0.040 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, Jan. 19, 1978, gage height, 7.82 ft (2.384 m); minimum daily, 0.07 ft³/s (0.002 m³/s) Sept. 6, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, Sept. 18, gage height, 4.70 ft (1.43 m); minimum daily, 0.62 ft³/s (0.189 m³/s) June 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.3	2.2	1.3	.98	1.5	1.3	1.0	1.1	1.2	.99	1.7
2	1.3	1.7	1.6	1.3	1.2	1.0	1.3	1.2	.90	.96	1.2	1.7
3	.82	1.1	1.2	1.8	2.2	1.4	1.4	.95	1.5	1.3	1.1	1.4
4	1.3	1.5	1.4	1.9	1.0	1.7	1.1	1.3	1.1	1.1	.91	1.4
5	1.7	1.1	1.5	1.6	1.0	1.4	1.6	.96	.79	1.1	1.6	1.6
6	1.9	1.6	1.5	1.1	1.2	1.4	1.4	1.0	.83	.82	1.2	1.1
7	1.9	1.1	1.3	.96	.89	1.7	1.3	1.2	1.1	1.2	1.4	1.6
8	1.7	1.3	1.4	1.0	.76	1.5	1.4	.91	.92	.90	.80	1.4
9	1.6	1.6	1.3	1.2	1.2	1.7	.98	1.1	1.1	2.4	1.1	1.6
10	1.7	1.6	1.4	1.3	1.1	1.3	1.3	.73	1.1	1.8	1.5	1.4
11	1.5	1.7	1.6	1.0	.83	.95	1.4	.98	1.0	1.2	1.2	1.7
12	1.4	1.2	1.6	1.3	2.0	1.4	1.1	.73	.99	1.3	3.1	1.6
13	1.4	1.6	1.1	1.3	1.2	1.2	1.4	1.3	.95	.89	1.7	1.4
14	1.6	1.1	2.3	2.5	1.1	1.2	1.3	1.3	1.2	1.3	1.8	1.8
15	2.1	1.5	2.6	1.3	1.3	1.2	1.0	1.3	1.1	1.2	1.8	1.7
16	1.9	1.1	1.1	1.5	1.8	1.4	1.3	1.2	1.3	1.3	1.4	1.7
17	1.4	1.5	1.6	1.3	1.6	2.6	1.2	2.1	1.2	1.2	1.4	1.7
18	1.3	1.1	1.7	1.3	1.5	1.4	1.3	1.6	.84	1.1	2.8	3.2
19	1.6	1.3	1.3	1.4	1.4	1.5	.93	1.4	.83	.92	1.3	2.0
20	1.6	1.5	1.3	1.4	1.3	1.0	1.6	1.4	.90	1.3	1.3	1.5
21	1.6	1.1	1.3	1.3	1.1	1.3	1.0	1.5	.66	1.6	1.5	2.0
22	1.6	1.4	1.5	1.2	1.5	1.4	1.3	.93	.70	1.1	1.6	1.4
23	1.3	1.2	1.3	2.2	1.5	1.6	1.0	1.2	.98	2.0	1.4	1.4
24	1.2	1.8	1.6	.87	1.4	1.5	.99	1.6	.62	1.6	1.7	1.3
25	2.0	1.4	2.6	.90	1.5	1.6	2.1	1.2	.92	1.6	1.3	1.4
26	1.5	1.5	1.6	.82	1.5	1.4	1.9	1.1	.91	1.1	1.3	1.6
27	1.1	1.1	1.3	1.3	1.7	1.4	2.0	1.2	1.3	1.0	1.3	1.6
28	1.4	1.6	2.1	1.2	1.4	1.4	1.4	.88	.84	1.2	1.6	1.4
29	1.6	1.2	2.0	.86	---	1.4	1.0	.84	1.3	1.2	1.4	1.5
30	1.1	1.6	1.7	.85	---	1.4	1.3	.64	.89	1.4	1.6	1.2
31	1.2	---	5.4	1.1	---	1.3	---	.97	---	.89	1.4	---
TOTAL	46.92	41.4	53.4	40.36	37.16	44.15	39.60	35.72	29.87	39.18	45.70	48.0
MEAN	1.51	1.38	1.72	1.30	1.33	1.42	1.32	1.15	1.00	1.26	1.47	1.60
MAX	2.1	1.8	5.4	2.5	2.2	2.6	2.1	2.1	1.5	2.4	3.1	3.2
MIN	.82	1.1	1.1	.82	.76	.95	.93	.64	.62	.82	.80	1.1

CAL YR 1981 TOTAL 587.08 MEAN 1.61 MAX 5.4 MIN .57
WTR YR 1982 TOTAL 501.46 MEAN 1.37 MAX 5.4 MIN .62

SAVANNAH RIVER BASIN

225

02197332 SITE NO. 2 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°16'50", long 81°39'00", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, on woods road 300 ft (91 m) south of SRP Road E and 2,700 ft (823 m) southwest of H Area.

DRAINAGE AREA.--0.30 mi² (0.78 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 250 ft (76 m) (from topographic map).

REMARKS.--Records good, except those for periods when discharge was over 16 ft³/s (0.45m³/s), which are undefined. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--10 years, 1.58 ft³/s (0.045 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, July 27, 1974, gage height, 9.61 ft (2.929 m); minimum daily, 0.24 ft³/s (0.0068 m³/s) Dec. 2, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, Sept 18, gage height, 9.05 ft (2.758 m); minimum daily, 0.73 ft³/s (0.021 m³/s) Oct. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.3	3.6	3.1	1.9	2.1	1.7	1.8	1.0	1.6	1.8	2.2
2	1.7	2.0	3.1	2.4	1.5	1.9	1.6	1.1	1.1	1.5	1.8	3.0
3	1.1	2.1	2.1	2.9	2.7	1.6	1.6	1.1	1.5	1.9	1.7	2.7
4	.97	2.2	1.9	3.3	2.0	1.7	1.6	1.7	1.6	1.9	1.5	2.5
5	.90	2.3	1.9	2.4	1.9	1.6	2.1	1.5	1.6	1.8	2.0	1.9
6	1.4	2.7	2.0	2.4	1.6	1.6	1.6	1.3	1.5	1.9	1.5	1.7
7	1.7	2.3	1.8	2.2	1.6	2.7	1.4	1.1	1.5	1.5	1.5	2.2
8	1.7	2.1	1.9	1.9	1.5	1.8	2.0	1.4	1.5	1.4	1.4	2.4
9	1.5	2.3	1.9	1.9	1.6	1.7	1.3	1.0	1.7	2.4	1.9	3.0
10	2.8	2.6	2.6	1.8	1.7	1.4	1.1	1.1	1.7	2.5	1.9	2.6
11	1.9	2.3	2.6	2.8	1.4	1.5	1.1	1.1	1.5	1.9	2.0	2.4
12	1.5	2.1	1.9	2.1	1.9	1.9	1.1	1.1	1.0	1.9	4.1	2.2
13	1.5	2.0	1.8	2.3	2.7	1.7	1.3	1.1	1.3	2.0	3.0	2.4
14	1.3	2.1	2.5	3.2	2.1	1.4	1.4	1.1	1.1	1.9	2.2	2.8
15	.73	1.9	3.7	2.6	2.6	1.9	1.5	1.2	1.2	1.8	2.1	2.3
16	.80	1.9	2.9	2.2	2.8	1.7	1.3	.99	1.5	1.8	2.2	2.4
17	.94	3.2	2.5	2.1	3.1	2.8	1.3	1.5	1.8	1.9	2.3	2.4
18	1.5	3.1	2.7	1.9	2.3	2.5	1.3	1.9	1.3	2.0	3.3	10
19	1.7	3.3	2.9	2.1	2.1	2.2	.99	1.3	1.5	2.1	2.5	7.0
20	2.1	3.0	3.1	2.0	1.9	2.0	2.0	1.5	1.3	2.5	2.2	4.5
21	1.8	2.3	3.4	1.7	1.9	1.9	1.7	1.3	1.3	2.6	1.9	3.5
22	2.1	2.5	2.8	1.7	1.9	1.8	1.7	1.1	1.5	2.3	1.9	3.0
23	2.4	2.2	2.7	3.3	2.0	2.0	1.2	.93	1.6	2.5	2.1	2.7
24	2.5	2.7	2.3	2.8	2.4	2.2	1.3	1.6	1.6	3.4	2.0	2.4
25	3.4	2.3	3.0	1.8	2.0	2.2	2.9	2.4	1.3	3.6	1.6	2.4
26	2.8	2.0	2.0	1.6	2.1	2.0	3.1	1.6	1.5	2.3	1.9	2.6
27	2.7	1.8	2.1	1.5	2.5	2.0	2.8	1.5	2.1	2.0	2.0	2.5
28	2.9	1.4	2.4	1.8	2.1	1.8	2.4	1.5	1.8	1.9	2.0	2.4
29	2.8	1.8	2.7	1.8	---	2.0	2.3	1.2	1.8	2.1	2.1	2.4
30	2.5	2.4	2.2	1.8	---	1.7	2.3	1.2	1.6	1.7	1.9	2.6
31	2.5	---	6.8	1.8	---	1.6	---	1.1	---	1.7	2.2	---
TOTAL	57.84	69.2	81.8	69.2	57.8	58.9	50.99	41.32	44.3	64.3	64.5	89.1
MEAN	1.87	2.31	2.64	2.23	2.06	1.90	1.70	1.33	1.48	2.07	2.08	2.97
MAX	3.4	3.3	6.8	3.3	3.1	2.8	3.1	2.4	2.1	3.6	4.1	10
MIN	.73	1.4	1.8	1.5	1.4	1.4	.99	.93	1.0	1.4	1.4	1.7

CAL YR 1981 TOTAL 765.73 MEAN 2.10 MAX 8.3 MIN .69
WTR YR 1982 TOTAL 749.25 MEAN 2.05 MAX 10 MIN .73

SAVANNAH RIVER BASIN

02197334 SITE NO. 3 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°16'31", long 81°39'12", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on Four Mile Creek at right bank on downstream side of bridge on SRP Road 4, 0.8 mi (1.3 km) southwest of H Area.

DRAINAGE AREA.--5.95 mi² (15.41 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 205 ft (62 m) (from topographic map).

REMARKS.--Records good, except those for periods of no gage height record August 2 to September 7, which are poor. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--10 years, 7.56 ft³/s (0.214 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 149 ft³/s (4.220 m³/s) Feb. 24, 1979, gage height, 3.67 ft (1.119 m); minimum daily, 0.61 ft³/s (0.017 m³/s) June 6, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 139 ft³/s (3.94 m³/s), Sept. 18, gage height, 3.53 ft (1.076m); minimum daily, 1.8 ft³/s (0.051 m³/s) Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	3.3	7.9	19	7.5	7.1	6.1	6.8	3.3	3.3	4.6	4.8
2	2.5	3.2	8.8	11	6.4	5.3	6.0	6.6	3.2	2.8	3.8	4.9
3	1.8	3.2	5.4	14	13	5.5	6.1	6.2	4.3	3.4	3.5	4.8
4	1.9	3.9	4.1	22	8.8	5.8	5.7	5.9	4.3	3.2	2.7	4.8
5	2.5	3.3	3.7	13	6.8	5.0	8.1	5.7	4.2	3.2	6.0	4.1
6	3.0	3.7	3.7	11	6.2	5.3	8.7	5.3	3.7	3.1	4.5	4.0
7	3.0	3.2	3.5	10	5.4	10	6.0	5.2	3.5	2.9	4.6	3.8
8	3.3	3.2	4.2	8.9	5.0	7.3	7.9	5.2	3.3	3.0	3.6	3.8
9	3.0	3.5	3.7	8.4	6.4	6.6	8.6	4.6	3.5	9.0	4.1	4.2
10	5.0	3.9	4.4	8.0	6.2	5.7	6.6	4.3	3.2	8.4	4.0	4.0
11	4.2	3.7	4.4	8.5	5.0	5.2	6.0	4.4	3.1	6.1	3.9	4.4
12	3.3	3.2	3.7	8.0	7.7	6.2	5.5	3.9	2.6	4.3	19	4.3
13	3.2	3.3	3.3	8.5	10	5.2	5.7	4.2	3.4	5.2	9.0	4.8
14	3.2	3.2	7.3	16	6.6	5.1	6.0	4.1	4.7	4.7	5.0	4.9
15	2.5	3.2	12	11	7.7	5.9	5.3	4.0	2.9	4.5	4.7	4.4
16	2.8	3.0	6.4	10	8.1	5.6	5.2	3.8	3.8	4.3	4.1	4.4
17	2.3	4.6	5.4	8.4	11	15	6.0	4.7	3.8	4.1	4.2	4.2
18	2.6	4.2	5.8	7.7	8.8	13	8.1	8.2	3.5	4.0	12	13
19	3.0	4.4	5.4	8.4	6.6	8.4	5.4	5.2	4.2	3.9	7.9	42
20	3.2	4.6	5.2	8.6	6.2	6.9	9.8	4.9	3.4	9.0	4.7	16
21	2.8	3.7	5.2	7.5	5.8	6.5	7.0	4.6	2.8	11	4.5	12
22	3.2	3.9	4.8	6.7	5.8	6.4	6.0	3.7	3.0	5.4	4.5	9.6
23	3.2	3.5	4.6	12	5.6	6.7	5.1	3.5	3.5	6.4	4.4	7.3
24	3.5	4.4	4.4	13	6.4	7.2	4.9	9.2	3.1	12	4.2	6.6
25	6.4	4.1	9.3	7.9	5.8	7.8	12	12	3.0	15	4.0	6.3
26	5.2	3.7	5.4	7.0	6.0	6.7	16	5.3	3.0	6.2	4.6	6.6
27	4.8	3.9	4.8	6.5	7.9	6.4	13	5.6	4.5	4.8	4.6	6.6
28	3.9	3.2	6.6	7.2	6.6	6.1	8.0	5.3	4.4	4.3	4.8	6.2
29	3.9	3.3	9.5	6.7	---	6.5	7.9	4.1	4.1	5.7	4.7	6.0
30	3.3	4.2	6.2	7.0	---	6.3	7.6	3.6	3.4	5.8	4.6	9.2
31	3.3	---	34	7.1	---	6.1	---	3.6	---	4.4	4.8	---
TOTAL	102.6	109.7	203.1	309.0	199.3	212.8	220.3	163.7	106.7	173.4	165.6	222.0
MEAN	3.31	3.66	6.55	9.97	7.12	6.86	7.34	5.28	3.56	5.59	5.34	7.40
MAX	6.4	4.6	34	22	13	15	16	12	4.7	15	19	42
MIN	1.8	3.0	3.3	6.5	5.0	5.0	4.9	3.5	2.6	2.8	2.7	3.8

CAL YR 1981 TOTAL 1827.0 MEAN 5.01 MAX 34 MIN 1.8
WTR YR 1982 TOTAL 2188.2 MEAN 6.00 MAX 42 MIN 1.8

227

LOCATION.--Lat 33°16'21", long 81°39'55", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on Four Mile Creek at left bank, 200 ft (61 m) above SRP Road C, 0.8 mi (1.3 km) downstream of site 3, 0.8 mi (1.3 km) southeast of F Area.

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

GAGE.--Water-stage recorder. Altitude of gage is 195 ft (59 m) (from topographic map).

REMARKS.--Records poor. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--10 years, 8.61 ft³/s (0.244 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, Nov. 2, 1980, gage height, 4.89 ft (1.490 m); minimum daily, 1.8 ft³/s (0.051 m³/s) Sept. 18, 1968, July 18, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, unknown, Sept. 18, gage height, 5.41 ft (1.649 m); minimum daily, 2.57 ft³/s (0.071 m³/s) Oct. 3.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	3.4	5.4	19	7.6	7.4	4.7	7.0	5.5	3.9	4.6	5.0
2	2.9	3.3	7.4	12	6.9	6.9	6.0	6.6	4.8	3.6	4.4	5.2
3	2.5	3.7	6.1	14	13	6.8	6.2	6.5	5.1	3.5	4.2	5.1
4	2.8	4.1	5.5	22	9.3	6.9	5.9	6.6	4.9	3.8	4.1	5.0
5	3.2	4.0	5.2	13	7.7	6.1	7.8	7.9	5.2	4.3	6.5	4.9
6	3.4	4.4	5.1	11	7.4	6.1	8.0	6.3	5.1	3.8	5.1	4.9
7	3.5	4.1	4.9	11	6.5	10	6.2	6.4	4.8	3.6	5.2	4.6
8	3.4	4.1	4.9	9.5	6.1	7.6	8.0	6.3	4.5	3.8	4.9	4.6
9	3.7	4.4	4.9	9.0	7.1	6.8	8.4	5.8	4.4	10	4.9	4.4
10	4.5	4.4	5.2	8.5	7.1	5.9	7.1	5.6	4.3	8.4	4.8	4.6
11	4.2	4.3	4.9	8.5	6.5	5.4	6.8	5.7	4.2	6.1	4.7	4.7
12	4.0	3.8	4.4	8.0	8.7	6.6	6.8	5.4	4.1	4.6	23	4.6
13	3.9	4.0	4.5	9.0	10	5.9	7.0	5.5	4.3	5.8	11	4.6
14	3.7	4.1	9.4	16	7.6	5.4	7.6	5.3	4.6	5.1	5.7	4.9
15	3.3	4.0	16	12	8.1	6.2	7.0	4.9	4.4	5.3	5.2	4.6
16	3.5	4.7	8.2	11	8.5	6.0	7.0	4.8	4.8	5.3	4.8	4.4
17	3.1	5.0	6.7	9.0	13	17	7.8	5.2	5.2	4.9	4.8	4.3
18	3.0	5.6	7.5	7.8	8.9	13	8.8	9.6	4.4	4.9	14	16
19	3.1	5.9	6.8	8.5	7.1	9.0	7.6	6.3	4.5	4.8	8.2	74
20	3.4	6.2	6.7	8.6	7.1	7.6	12	6.5	4.4	6.0	5.7	20
21	3.5	5.5	6.8	7.5	6.7	7.3	8.2	6.3	4.2	17	5.3	14
22	3.5	5.5	6.4	6.9	6.4	6.8	7.3	6.5	4.3	5.5	5.4	10
23	3.5	5.6	6.0	12	6.8	7.1	7.0	6.1	4.4	6.8	5.1	7.4
24	3.6	6.0	6.1	13	7.3	7.6	7.0	11	4.4	14	4.9	7.0
25	5.1	6.0	13	7.9	7.0	7.8	13	13	4.2	16	4.9	6.8
26	4.7	5.6	7.0	7.2	7.4	6.8	17	7.6	4.2	6.4	5.0	6.8
27	4.2	5.9	6.5	7.0	8.6	6.5	14	8.2	5.2	5.0	5.0	7.1
28	4.1	5.5	8.6	7.3	7.8	6.4	8.4	7.4	5.0	4.6	5.0	6.2
29	4.0	5.3	13	7.0	---	7.0	7.8	6.6	4.5	5.9	5.0	6.4
30	3.7	5.7	7.8	7.0	---	6.4	8.0	6.5	4.2	6.0	4.9	9.0
31	3.5	---	35	7.3	---	6.2	---	6.3	---	4.8	5.2	---
TOTAL	111.4	144.1	246.4	317.5	222.2	228.5	244.4	209.7	138.1	193.5	191.5	271.1
MEAN	3.59	4.80	7.95	10.2	7.94	7.37	8.15	6.76	4.60	6.24	6.18	9.04
MAX	5.1	6.2	35	22	13	17	17	13	5.5	17	23	74
MIN	2.5	3.3	4.4	6.9	6.1	5.4	4.7	4.8	4.1	3.5	4.1	4.3
CAL YR 1981	TOTAL	2329.5	MEAN	6.38	MAX	35	MIN	2.5				
WIR YR 1982	TOTAL	2518.4	MEAN	6.90	MAX	74	MIN	2.5				

02197338 SITE NO. 5 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°16'50", long 81°40'15", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, at upstream end of pipe culvert at SRP Road E, 600 ft (183 m) southeast of Area F, 0.5 mi (0.8 km) east of SRP Road C.

DRAINAGE AREA.--0.28 mi² (0.73 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 260 ft (79 m) (from topographic map).

REMARKS.--Records good, except those for periods when discharge was over 45 ft³/s (1.274 m³/s) which are undefined. Flow completely regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--10 years, 2.50 ft³/s (0.0708 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, August 5, 1974, gage height 7.94 ft (2.420 m); minimum daily, 0.80 ft³/s (0.023 m³/s) May 27, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, July 20, gage height, 5.95 ft (1.814 m); minimum daily, 1.2 ft³/s (0.034 m³/s) Dec. 7 and Apr. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.2	3.6	3.3	2.8	2.7	1.2	2.3	1.8	2.8	1.5	3.7
2	1.9	1.9	2.4	3.2	2.6	2.8	1.8	2.6	2.6	2.2	1.8	2.9
3	1.7	2.2	2.4	4.0	5.0	2.8	2.2	2.4	3.9	2.0	1.5	2.9
4	1.7	2.2	1.9	4.4	2.6	2.9	1.9	2.3	2.3	2.3	1.4	2.9
5	1.8	1.9	2.1	3.6	3.1	2.1	2.6	2.0	2.9	2.9	2.8	2.9
6	1.7	1.9	2.0	3.1	2.8	2.4	1.8	3.7	2.9	2.7	2.0	3.2
7	1.8	2.0	1.2	2.6	2.3	4.2	2.3	3.7	2.7	2.2	1.8	3.1
8	2.0	2.0	1.8	2.7	2.6	2.5	2.9	3.9	2.6	2.6	2.5	3.3
9	3.1	1.9	2.3	2.5	2.6	2.2	2.2	3.6	2.4	5.0	2.3	3.1
10	4.0	1.7	2.1	2.5	2.3	2.0	2.0	3.3	2.5	4.2	2.0	3.4
11	3.0	1.5	2.1	2.7	3.1	2.0	2.1	3.1	2.8	3.9	2.5	3.6
12	2.8	1.6	2.0	3.0	4.2	1.9	1.9	3.1	3.2	3.6	4.8	3.1
13	2.9	1.8	2.0	3.0	2.2	1.8	1.8	3.1	2.6	4.0	1.4	3.1
14	2.2	2.4	4.4	4.5	2.0	1.9	1.7	2.5	2.9	3.4	1.5	3.6
15	2.0	2.3	3.4	3.0	2.2	1.8	1.7	2.0	4.6	4.2	2.1	3.6
16	1.9	2.6	2.0	3.0	3.0	1.9	2.2	2.1	5.6	4.2	1.8	3.0
17	2.2	2.4	2.0	2.5	2.9	3.6	2.5	3.5	4.9	3.7	1.9	2.7
18	1.9	2.0	2.7	2.8	1.9	1.9	2.2	4.3	2.8	3.4	4.4	10
19	1.9	2.1	2.2	2.7	1.7	1.6	2.5	3.8	3.2	3.3	2.2	6.4
20	2.0	2.2	2.2	3.2	2.0	1.8	3.6	3.1	2.8	6.8	2.3	5.2
21	2.1	2.3	2.5	3.5	1.9	1.7	2.0	2.3	2.7	3.6	2.3	4.2
22	2.2	2.7	2.6	3.6	1.8	1.6	1.9	2.9	2.6	2.5	2.9	3.3
23	2.2	1.7	2.5	4.8	2.1	1.9	1.9	2.5	2.7	4.8	2.4	3.3
24	2.3	2.0	3.0	3.1	2.6	2.5	2.2	3.0	2.5	2.5	2.3	2.8
25	3.7	1.8	4.8	3.0	3.4	1.9	3.9	2.4	2.7	1.9	2.8	2.7
26	2.1	2.2	2.5	2.5	2.8	1.7	3.9	2.3	2.7	3.2	2.9	2.2
27	2.0	2.1	3.0	2.1	3.3	1.9	4.2	2.9	5.0	2.0	3.0	2.6
28	2.2	2.4	3.7	2.4	3.0	1.8	3.2	2.2	2.8	1.7	3.0	2.2
29	2.1	2.1	3.9	2.0	---	2.2	4.0	2.5	2.6	2.6	3.0	2.8
30	2.2	2.2	3.7	2.4	---	1.7	5.1	2.6	2.7	1.9	3.1	4.0
31	2.1	---	12	3.3	---	1.6	---	2.1	---	1.8	4.5	---
TOTAL	69.4	62.3	91.0	95.0	74.8	67.3	75.4	88.1	91.0	97.9	76.7	105.8
MEAN	2.24	2.08	2.94	3.06	2.67	2.17	2.51	2.84	3.03	3.16	2.47	3.53
MAX	4.0	2.7	12	4.8	5.0	4.2	5.1	4.3	5.6	6.8	4.8	10
MIN	1.7	1.5	1.2	2.0	1.7	1.6	1.2	2.0	1.8	1.7	1.4	2.2
CAL YR 1981	TOTAL 848.7	MEAN 2.33	MAX 12	MIN 1.1								
WTR YR 1982	TOTAL 994.7	MEAN 2.73	MAX 12	MIN 1.2								

02197339 SITE NO. 5B AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°16'29", long 81°40'06", Aiken County, Hydrologic Unit 03060106, at Savannah River Plant, 100 ft (30.1 m) east of SRP Road C on right bank upstream and 300 ft (91 m) upstream from confluence with Fourmile Branch, 0.7 mi (1.13 km) southeast of F area.

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

GAGE.--Water-stage recorder. Altitude of gage is 195 ft (59 m) (from topographic map).

REMARKS.--Records good. Flow regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined, July 20, 1981, gage height, 3.77 ft (1.149 m); minimum daily, 1.2 ft³/s (0.03 m³/s) May 2, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, not determined, July 20, maximum gage height, 3.77 ft (1.149 m); minimum daily, 1.9 ft³/s (0.05 m³/s) Oct. 1, 6, Dec. 7.

DISCHARGE, IN CUBIC FEET PER SECOND; WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	3.0	3.3	3.3	3.1	3.4	2.0	2.9	2.4	3.7	2.2	4.1
2	2.1	2.7	3.5	3.2	3.0	3.3	2.6	2.8	3.3	2.8	2.5	3.9
3	2.0	2.9	3.5	4.3	5.0	3.2	3.0	2.8	4.0	2.5	2.1	3.8
4	2.1	2.8	2.9	4.7	3.1	3.4	2.6	2.6	2.9	2.6	2.0	3.9
5	2.1	2.7	3.1	3.7	3.4	2.7	3.4	2.5	3.8	3.9	3.6	4.1
6	1.9	2.8	2.9	3.7	3.1	2.9	2.6	3.7	3.6	3.5	3.2	4.2
7	2.1	3.1	1.9	3.3	2.8	4.4	2.9	3.8	3.5	2.8	2.7	3.7
8	2.2	3.0	2.5	3.3	3.0	3.2	3.4	4.0	3.3	3.2	3.4	3.2
9	2.9	2.8	2.7	3.1	3.1	2.9	2.8	3.7	3.0	5.3	3.2	3.1
10	3.6	2.7	2.4	3.0	2.9	2.7	2.5	3.5	2.9	5.7	2.7	3.5
11	3.1	2.5	2.4	3.2	3.4	2.7	2.7	3.3	3.4	4.8	3.0	3.6
12	2.9	2.5	2.4	3.4	4.2	2.5	2.4	3.4	3.8	4.5	5.2	3.2
13	2.9	2.8	2.4	3.4	2.9	2.5	2.2	3.4	3.3	5.1	2.9	3.0
14	2.4	3.1	3.7	4.7	2.7	2.5	2.2	2.8	3.4	4.3	2.6	3.5
15	2.3	3.2	4.1	3.3	2.7	2.4	2.1	2.4	4.6	4.8	3.1	3.5
16	2.3	3.4	2.4	3.2	3.6	2.5	2.6	2.3	5.0	5.0	2.6	2.9
17	2.5	3.4	2.2	2.8	3.9	4.5	2.8	3.0	5.3	4.4	2.8	2.7
18	2.3	3.0	2.8	3.0	2.9	3.0	2.5	4.4	3.5	4.0	5.1	6.8
19	2.3	3.2	2.3	2.9	2.5	2.6	2.7	3.8	3.7	3.8	3.9	7.4
20	2.5	3.5	2.2	3.1	2.6	2.7	3.5	3.4	3.8	5.4	3.9	5.9
21	2.5	3.7	2.3	3.4	2.6	2.6	2.4	2.6	3.6	5.8	3.4	5.4
22	2.6	3.7	2.4	3.5	2.5	2.5	2.4	3.1	3.3	3.9	4.1	4.6
23	2.5	2.8	2.3	4.6	3.0	2.7	2.2	2.7	3.4	5.4	3.3	4.6
24	2.8	3.2	2.5	3.3	3.2	3.2	2.5	3.8	3.2	5.0	3.1	4.1
25	3.5	3.0	3.9	3.1	4.0	2.6	4.4	3.2	3.5	4.1	3.6	4.0
26	2.8	3.3	2.3	2.7	3.4	2.4	4.4	3.0	3.7	4.3	4.2	3.6
27	2.7	3.0	2.6	2.4	4.0	2.6	5.0	3.4	5.1	3.2	4.1	3.9
28	2.7	3.1	2.6	2.7	3.6	2.5	3.6	2.7	4.2	2.6	4.3	3.5
29	2.9	3.0	3.1	2.4	---	2.8	3.9	3.0	3.5	3.2	4.1	3.9
30	3.1	3.3	2.9	2.7	---	2.4	4.7	3.0	3.6	2.7	4.2	4.8
31	3.1	---	8.7	3.4	---	2.3	---	2.7	---	2.6	4.6	---
TOTAL	79.6	91.2	91.2	102.8	90.2	88.6	89.0	97.7	109.6	124.9	105.7	122.4
MEAN	2.57	3.04	2.94	3.32	3.22	2.86	2.97	3.15	3.65	4.03	3.41	4.08
MAX	3.6	3.7	8.7	4.7	5.0	4.5	5.0	4.4	5.3	5.8	5.2	7.4
MIN	1.9	2.5	1.9	2.4	2.5	2.3	2.0	2.3	2.4	2.5	2.0	2.7

CAL YR 1981 TOTAL 956.3 MEAN 2.62 MAX 8.7 MIN 1.2
WTR YR 1982 TOTAL 1192.9 MEAN 3.27 MAX 8.7 MIN 1.9

LOCATION.--Lat 33°16'23", long 81°40'05", Aiken County, Hydrologic Unit 03060106, at upstream side of bridge on SRP Road C, and 0.7 mi (1.1 km) southeast of Area F.

DRAINAGE AREA.--7.53 mi² (19.50 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 193 ft (59 m) (from topographic map).

REMARKS.--Records fair. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--10 years, 12.52 ft³/s (0.355 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 288 ft³/s (8.16 m³/s) Nov. 2, 1980, gage height, 5.15 ft (1.570 m); minimum daily, 4.1 ft³/s (0.12 m³/s) Dec. 23, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 262 ft³/s (7.42 m³/s), Sept. 18, gage height, 5.06 ft (1.542 m); minimum daily, 4.6 ft³/s (0.13 m³/s) Oct. 3.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	6.6	10	23	11	11	9.6	11	8.1	8.1	8.3	9.7
2	5.5	6.2	13	16	10	11	9.0	10	8.1	7.4	8.6	10
3	4.6	6.9	10	19	17	10	9.4	9.9	10	7.4	8.0	9.8
4	5.2	7.4	9.4	29	14	10	8.8	9.9	9.8	8.1	7.8	9.7
5	6.0	7.2	9.0	18	12	9.4	12	11	10	8.9	11	9.5
6	5.4	7.6	9.0	16	11	9.3	12	12	10	7.9	10	9.3
7	6.6	7.4	8.6	15	9.6	15	8.9	12	9.5	7.6	10	8.6
8	6.3	7.4	8.9	14	8.9	12	11	12	9.5	8.1	9.6	8.8
9	7.0	7.2	9.1	13	11	10	12	10	9.8	15	9.5	8.2
10	8.7	7.2	9.1	13	11	8.8	10	9.7	8.9	14	9.3	8.7
11	8.3	7.2	9.7	13	9.6	8.1	9.8	9.7	8.1	12	8.9	9.0
12	7.8	6.5	8.5	12	12	9.5	9.5	8.9	7.9	11	21	8.8
13	7.5	7.2	8.1	13	15	8.5	9.9	8.9	8.1	12	18	8.8
14	7.0	7.6	13	23	11	7.6	11	8.6	8.6	11	11	9.5
15	6.2	7.6	20	16	12	8.5	9.6	7.6	8.1	12	10	9.0
16	6.6	8.6	12	14	12	8.2	9.5	7.2	9.2	11	9.5	8.4
17	5.8	8.6	10	12	17	17	10	7.9	10	11	9.5	8.1
18	5.5	10	11	11	13	16	12	15	8.6	25	18	25
19	5.6	10	11	12	11	12	9.9	10	8.9	85	15	85
20	6.3	10	10	13	11	11	14	11	8.6	29	12	29
21	6.7	10	11	11	9.9	10	11	11	8.4	19	11	19
22	6.6	9.4	11	10	9.3	9.5	9.8	12	8.6	15	11	15
23	6.7	9.7	11	15	10	9.9	9.2	11	8.9	12	10	12
24	6.9	10	11	16	11	11	9.7	15	8.6	11	9.8	11
25	10	10	16	11	10	11	16	20	8.4	11	9.7	11
26	9.6	9.4	12	11	11	9.7	22	14	8.1	11	9.8	11
27	8.5	9.7	12	9.8	13	9.1	20	14	10	12	9.8	12
28	8.1	8.9	13	10	12	8.6	13	13	10	10	9.9	10
29	7.9	8.6	17	9.8	---	9.6	13	11	9.2	11	9.9	11
30	7.2	9.4	13	9.9	---	8.9	13	11	8.4	14	9.7	14
31	6.8	---	45	11	---	8.6	---	10	---	8.7	10	---
TOTAL	212.4	249.5	381.4	439.5	325.3	318.8	344.6	344.3	268.4	446.2	335.6	418.9
MEAN	6.85	8.32	12.3	14.2	11.6	10.3	11.5	11.1	8.95	14.4	10.8	14.0
MAX	10	10	45	29	17	17	22	20	10	85	21	85
MIN	4.6	6.2	8.1	9.8	8.9	7.6	8.8	7.2	7.9	7.4	7.8	8.1
CAL YR 1981	TOTAL	3650.5	MEAN	10.0	MAX	45	MIN	4.6				
WTR YR 1982	TOTAL	4084.9	MEAN	11.2	MAX	85	MIN	4.6				

SAVANNAH RIVER BASIN

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02197342 SITE NO. 7 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°14'40", long 81°41'45", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on right upstream end of concrete culvert pipe on Four Mile Creek at SRP Road A-7, 1.0 mi (1.6 km) southwest of Area C.

DRAINAGE AREA.--12.5 mi² (32.4 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 155 ft (47 m) (from topographic map).

REMARKS.--Records fair. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--10 years, 17.73 ft³/s (0.502 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 213 ft³/s (6.03 m³/s) Feb. 2, 1973, gage height, 4.80 ft (1.463 m); minimum daily, 5.1 ft³/s (0.14 m³/s) Oct. 3, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 177 ft³/s (5.01 m³/s), Sept. 19, gage height, 4.38 ft (1.335 m); minimum daily, 5.5 ft³/s (0.156 m³/s) Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	UCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	9.1	15	35	22	18	15	17	10	10	11	11
2	6.3	9.0	27	21	17	18	14	16	10	9.1	11	11
3	5.8	8.8	16	34	33	16	15	15	11	7.9	10	11
4	5.5	8.7	13	40	35	17	14	15	17	7.9	9.0	11
5	5.9	9.7	10	30	20	16	18	14	14	11	9.8	9.8
6	6.2	9.2	10	21	19	15	24	13	12	9.5	24	10
7	6.4	8.8	11	20	17	32	16	14	11	8.9	14	9.7
8	7.1	8.6	9.5	19	16	23	17	14	10	8.5	13	9.9
9	7.8	8.5	10	17	18	18	27	14	9.9	28	12	9.3
10	14	9.0	10	16	20	16	17	12	9.4	34	12	11
11	16	9.4	11	16	16	15	15	12	10	22	10	13
12	10	8.5	9.6	16	18	16	14	12	9.5	14	13	12
13	8.8	8.3	9.0	18	38	15	14	11	13	19	62	11
14	8.4	8.8	22	34	20	14	14	11	12	17	19	12
15	7.6	9.5	38	31	19	15	14	10	13	13	14	12
16	7.5	9.6	21	21	20	15	13	9.8	11	13	12	11
17	7.5	11	15	18	41	42	14	9.9	17	14	11	9.8
18	7.1	11	14	17	28	54	23	30	14	13	27	12
19	7.2	11	18	17	20	25	15	16	12	13	50	102
20	7.5	11	12	19	18	19	25	14	11	11	18	51
21	7.7	11	14	19	17	18	21	11	11	53	15	29
22	7.7	10	14	16	16	17	15	12	9.7	17	13	27
23	8.2	9.9	14	20	16	17	14	10	11	13	12	18
24	8.6	11	15	41	17	18	13	10	10	35	11	16
25	17	11	37	20	17	20	18	47	9.8	54	11	14
26	19	10	17	17	18	17	67	17	9.5	19	10	15
27	13	9.9	15	15	23	16	53	19	11	14	11	15
28	11	10	20	15	21	15	27	14	18	11	11	14
29	9.8	9.1	38	15	---	17	20	12	13	13	11	13
30	9.5	11	18	15	---	17	19	12	11	16	11	13
31	9.2	---	70	17	---	15	---	12	---	13	11	---
TOTAL	279.8	290.4	573.1	670	600	606	605	455.7	350.8	541.8	488.8	523.5
MEAN	9.03	9.68	18.5	21.6	21.4	19.5	20.2	14.7	11.7	17.5	15.8	17.5
MAX	19	11	70	41	41	54	67	47	18	54	62	102
MIN	5.5	8.3	9.0	15	16	14	13	9.8	9.4	7.9	9.0	9.3

CAL YR 1981 TOTAL 4801.8 MEAN 13.2 MAX 75 MIN 5.5
WTR YR 1982 TOTAL 5984.9 MEAN 16.4 MAX 102 MIN 5.5

02197344 FOUR MILE CREEK AT ROAD A-12.2 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°11'21", long 81°43'26", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on left downstream side of bridge on SRP Road A-12.2, 500 ft (152 m) northwest of SRP Road A-13, 1.0 mi (1.6 km) southeast of Area D.

DRAINAGE AREA.--22.0 mi² (57.0 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (34 m) (from topographic map).

REMARKS.--Records fair. No estimates of discharge for period of no gage-height record Mar.26 to Apr. 5. Flow regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 903 ft³/s (25.6 m³/s) Mar. 13, 1980, gage height, 3.93 ft (1.198 m); minimum daily, 28 ft³/s (0.79 m³/s) July 4, 5, 6, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 745 ft³/s (21.1 m³/s), Sept.19, gage height, 3.69 ft (1.125 m); minimum daily, 89 ft³/s (2.52 m³/s) Aug 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	243	390	400	514	401	398	---	385	378	425	432	90
2	253	389	408	409	391	400	---	382	378	426	432	196
3	379	388	390	423	418	397	---	370	389	426	427	404
4	377	389	382	465	428	403	---	385	395	427	427	403
5	375	392	384	432	391	402	429	379	391	435	435	395
6	373	391	383	409	389	403	420	378	386	169	455	398
7	370	390	383	401	385	417	406	384	387	159	439	398
8	373	391	384	397	386	137	409	381	388	176	435	402
9	378	166	388	392	391	122	418	380	389	315	431	409
10	399	129	392	391	398	119	407	382	390	491	427	415
11	389	160	393	397	391	132	403	384	394	445	431	413
12	377	175	389	398	399	152	401	382	396	436	449	412
13	374	121	386	399	426	393	400	380	415	441	521	414
14	375	213	406	431	402	394	403	381	403	436	448	413
15	375	209	384	418	397	394	406	380	406	427	430	415
16	375	151	152	401	405	393	400	381	405	441	427	413
17	376	240	136	394	308	468	409	385	420	436	426	410
18	377	387	136	395	177	482	412	428	409	432	444	421
19	377	386	135	404	157	410	195	401	402	432	503	570
20	378	388	138	400	151	404	144	392	402	427	441	444
21	381	382	254	395	300	404	143	388	406	486	431	385
22	382	381	398	393	393	401	132	386	405	445	424	438
23	385	380	388	401	391	399	275	387	413	450	424	416
24	389	383	386	424	399	405	148	162	414	477	421	411
25	408	381	415	161	397	413	381	209	410	481	421	410
26	410	378	410	114	399	412	457	137	414	450	422	413
27	396	379	395	124	412	---	453	133	420	432	423	415
28	391	380	397	114	411	---	403	243	430	427	422	413
29	392	378	424	118	---	---	390	388	422	441	411	416
30	391	383	393	136	---	---	389	390	422	441	123	411
31	389	---	533	396	---	---	---	384	---	436	89	---
TOTAL	11607	9650	10942	11046	10293	---	---	10907	12079	12768	12871	11963
MEAN	374	322	353	356	368	---	---	352	403	412	415	399
MAX	410	392	533	514	428	---	---	428	430	491	521	570
MIN	243	121	135	114	151	---	---	133	378	159	89	90

SAVANNAH RIVER BASIN

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02197348 PEN BRANCH AT ROAD A-13.2 AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°09'34", long 81°41'08", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on left downstream side of bridge on SRP Road A-13.2, 700 ft (213 m) downstream from Seaboard Coastline Railroad bridge, 600 ft (183 m) west of intersection of SRP Roads A-17 and A-17.1.

DRAINAGE AREA.--21.2 mi² (54.9 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 100 ft (30 m) (from topographic map).

REMARKS.--Records fair. Flow regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 948 ft³/s (26.8 m³/s) Mar. 13, 1980, gage height, 3.81 ft (1.161 m); minimum daily, 21 ft³/s (0.59 m³/s) Aug. 4, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 654 ft³/s (18.5 m³/s), Dec. 31, gage height, 3.29 ft (1.003 m); minimum daily, 83 ft³/s (2.351 m³/s) Jan. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	418	414	430	494	99	406	422	418	418	414	418	418
2	422	414	438	438	95	402	418	414	414	414	418	414
3	414	414	422	447	120	402	418	418	422	414	418	414
4	414	414	418	338	125	402	414	418	426	418	414	414
5	414	418	418	273	125	406	398	414	426	426	418	414
6	410	414	418	258	125	402	426	414	418	414	422	414
7	410	410	418	226	178	410	422	414	414	418	426	414
8	410	410	422	229	133	410	426	410	414	422	422	414
9	406	414	418	226	142	410	430	414	414	422	426	418
10	418	414	418	226	184	406	426	410	414	438	418	418
11	414	414	418	205	251	406	422	406	418	422	422	418
12	406	418	422	157	175	406	418	406	418	418	426	414
13	406	414	422	160	414	406	418	406	438	434	434	418
14	406	410	434	154	298	410	418	414	426	418	426	410
15	406	418	451	133	142	410	418	410	418	422	422	406
16	406	418	438	128	148	410	414	410	418	418	418	406
17	406	422	426	123	242	430	422	414	418	422	418	410
18	410	418	430	118	414	451	426	438	422	418	434	410
19	410	414	426	123	410	422	422	422	418	414	442	438
20	410	418	426	115	390	410	434	414	414	414	426	418
21	410	422	422	111	151	418	426	414	414	434	422	422
22	410	418	426	108	148	414	422	410	414	418	418	418
23	410	418	426	113	145	414	418	410	414	422	418	418
24	414	406	426	125	139	418	418	418	426	451	418	410
25	422	373	447	115	131	418	434	426	418	426	414	406
26	422	358	434	108	381	414	474	418	418	422	418	406
27	414	410	430	93	414	414	465	460	418	418	418	410
28	410	422	430	106	414	414	438	426	422	414	418	410
29	414	418	474	93	---	422	422	414	414	422	418	410
30	410	418	434	83	---	422	418	422	414	418	418	406
31	414	---	535	102	---	422	---	418	---	422	414	---
TOTAL	12766	12363	13397	5728	6133	12807	12747	12920	12560	13067	13062	12416
MEAN	412	412	432	185	219	413	425	417	419	422	421	414
MAX	422	422	535	494	414	451	474	460	438	451	442	438
MIN	406	358	418	83	95	402	398	406	414	414	414	406
WTR YR 1982	TOTAL	139966	MEAN	383	MAX	535	MIN	83				

SAVANNAH RIVER BASIN

02197357 STEEL CREEK NEAR SNELLING, S.C.

LOCATION.--Lat 33°05'46", long 81°37'04", Barnwell County, Hydrologic Unit 03060106, 15.4 mi (24.8 km) upstream from Lower Three Runs at mile 141.6.

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1979 to current year.

INSTRUMENTATION.--Servo Programmer since October 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 31.0°C July 13, 1980; minimum, 0.4°C Jan. 10, 1982.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 28.2°C July 27; minimum, 0.4°C Jan. 10.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.2	20.8	20.9	16.5	16.4	16.4	12.4	10.9	11.4	9.9	9.1	9.3
2	21.3	21.2	21.2	16.5	16.3	16.4	12.9	12.3	12.7	10.2	9.2	10.0
3	21.3	19.8	20.4	17.0	16.5	16.7	12.2	11.0	11.6	12.0	10.0	10.6
4	19.7	18.3	18.8	17.6	17.0	17.3	12.0	11.1	11.7	12.0	10.8	11.5
5	18.3	17.8	18.0	18.1	17.6	17.8	10.9	10.5	10.6	11.4	9.3	10.1
6	18.6	18.0	18.2	18.2	18.1	18.1	10.5	9.4	9.9	10.1	9.5	9.7
7	19.3	18.7	19.0	18.2	17.2	17.7	9.3	7.8	8.5	10.8	10.2	10.4
8	19.3	18.9	19.1	17.1	16.1	16.5	9.5	8.1	8.8	10.8	9.4	10.0
9	18.9	17.9	18.2	16.0	15.3	15.6	9.1	6.9	7.8	9.9	6.0	8.0
10	17.9	17.6	17.8	15.5	15.3	15.3	6.8	4.3	5.2	6.1	0.4	3.0
11	17.6	17.3	17.4	15.5	15.1	15.3	4.8	3.9	4.3	3.2	1.0	1.6
12	17.3	17.2	17.2	15.1	13.6	14.2	5.2	4.9	5.1	3.2	2.1	2.9
13	17.2	16.9	17.1	13.5	12.2	12.6	6.0	5.1	5.5	3.5	1.2	2.2
14	16.9	16.5	16.6	12.1	11.0	11.3	7.2	5.9	6.5	6.6	3.5	4.5
15	16.5	16.2	16.4	11.3	10.5	10.8	8.6	7.3	8.1	9.6	6.6	7.6
16	16.6	16.3	16.4	11.6	11.0	11.2	8.6	8.1	8.4	12.6	9.6	10.6
17	17.0	16.6	16.7	12.0	11.4	11.7	8.5	7.6	8.0	12.7	10.2	11.6
18	17.6	17.0	17.3	11.8	10.6	11.1	9.0	7.2	8.5	10.1	8.8	9.4
19	17.7	17.5	17.6	11.6	10.0	10.7	7.0	3.0	5.4	9.8	7.5	8.7
20	17.5	16.6	17.0	12.9	11.7	12.4	3.7	1.3	2.7	7.8	5.6	6.7
21	16.6	15.6	16.2	11.9	10.0	10.4	6.7	3.0	4.1	7.3	5.7	6.5
22	16.1	15.9	16.0	10.5	10.1	10.3	11.2	6.8	8.4	6.0	2.7	4.1
23	16.8	16.1	16.4	10.4	9.8	10.0	13.3	11.5	12.6	3.9	2.8	3.3
24	17.1	16.9	17.0	10.0	9.8	9.9	13.3	12.0	12.7	---	---	---
25	17.0	16.1	16.6	9.7	8.5	9.1	11.9	10.1	10.7	---	---	---
26	16.0	15.4	15.7	9.9	8.8	9.2	10.1	9.6	9.8	---	---	---
27	16.1	15.4	15.7	11.0	9.9	10.4	10.5	9.6	9.8	---	---	---
28	16.5	16.1	16.3	12.6	11.1	11.9	12.1	10.6	10.9	5.2	2.4	4.3
29	16.7	16.5	16.5	12.4	11.0	11.5	12.1	10.0	11.1	7.4	4.6	5.9
30	16.7	16.6	16.6	11.7	11.1	11.5	10.3	7.7	8.9	9.4	6.1	7.7
31	16.6	16.5	16.5	---	---	---	9.0	7.4	7.8	13.1	9.0	10.9

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TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	12.6	10.5	11.4	8.5	7.0	7.7	20.2	16.7	18.4	19.2	17.5	18.4
2	10.9	9.1	10.1	10.1	7.1	8.7	20.6	18.9	19.8	20.2	18.2	19.1
3	9.0	8.1	8.6	11.3	9.4	10.4	21.0	19.4	20.0	20.7	18.5	19.7
4	12.1	8.8	10.3	13.8	11.2	12.5	19.2	17.2	18.2	21.6	19.0	20.3
5	11.8	9.5	10.7	15.4	13.9	14.3	17.0	15.5	16.0	21.7	19.1	20.4
6	12.8	9.4	11.3	17.6	16.5	17.0	17.1	15.0	15.8	21.9	19.4	20.7
7	12.4	10.4	11.1	17.3	14.5	16.5	15.1	12.4	14.0	21.4	19.5	20.6
8	11.1	8.9	10.2	14.3	11.8	13.2	14.3	11.9	12.9	21.8	20.0	20.8
9	12.4	10.4	11.2	13.1	10.2	11.8	15.0	11.6	13.1	22.1	19.9	20.8
10	12.4	10.9	11.8	14.9	11.4	13.1	14.9	13.4	14.1	21.8	18.8	20.3
11	11.4	10.0	10.7	17.7	14.5	16.0	16.4	13.5	14.8	22.1	18.9	20.6
12	10.6	8.5	9.5	19.6	16.1	17.9	18.3	12.5	15.2	22.4	19.3	20.9
13	10.8	8.5	9.5	21.0	18.0	19.5	21.0	14.6	17.3	22.8	19.6	21.3
14	10.5	7.7	9.4	21.0	19.1	20.2	20.3	17.7	19.5	23.3	20.4	21.9
15	12.5	9.3	10.8	21.6	18.7	20.1	21.8	19.0	20.4	23.5	20.8	22.2
16	15.2	12.6	13.8	20.2	17.7	18.5	21.9	19.4	20.7	23.9	21.5	22.7
17	16.8	14.8	15.7	19.0	16.9	18.0	22.6	20.9	21.6	24.5	22.4	23.3
18	16.3	10.7	13.5	19.2	17.7	18.4	21.8	19.6	20.9	24.3	22.0	23.1
19	10.7	10.0	10.4	21.3	18.0	19.5	19.4	17.5	18.2	23.4	22.2	22.8
20	12.5	10.2	11.3	23.6	20.5	22.0	19.3	17.3	18.2	23.5	21.6	22.6
21	12.7	12.0	12.4	24.2	21.5	22.9	20.8	18.5	19.7	24.1	22.0	23.0
22	12.3	11.3	11.8	23.3	20.1	21.4	20.3	18.8	19.9	24.9	22.3	23.6
23	11.6	10.2	11.0	20.0	17.8	19.1	18.6	16.3	17.4	25.0	23.0	23.9
24	12.5	10.5	11.5	18.9	16.9	17.6	17.2	14.2	15.8	25.0	23.2	23.9
25	13.4	12.3	12.8	19.5	16.1	17.7	16.8	15.6	16.2	25.0	22.7	23.7
26	12.8	9.6	11.2	18.9	16.7	18.0	20.2	16.8	18.4	24.7	23.4	24.0
27	9.5	7.7	8.6	16.4	13.5	14.6	19.7	18.8	19.3	24.9	23.0	23.7
28	7.7	7.1	7.4	13.3	10.8	12.1	19.8	18.5	19.2	25.4	23.3	24.3
29	---	---	---	13.5	10.6	12.1	19.3	18.2	18.7	26.6	24.4	25.4
30	---	---	---	16.4	12.9	14.6	18.9	17.7	18.3	26.2	24.7	25.5
31	---	---	---	17.2	15.6	16.4	---	---	---	25.3	23.8	24.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	25.7	24.0	24.8	27.1	25.4	26.2	25.7	25.1	25.4	24.8	23.5	24.2
2	26.6	24.2	25.4	26.6	25.0	25.9	26.4	25.0	25.6	25.6	24.2	24.8
3	26.9	25.2	25.8	27.0	25.0	25.9	26.4	24.7	25.5	26.1	24.5	25.3
4	25.2	24.4	24.8	27.7	25.8	26.6	26.3	24.8	25.6	26.0	24.9	25.4
5	25.5	23.8	24.6	27.0	25.2	26.2	26.5	25.0	25.6	24.7	23.4	24.1
6	25.9	24.1	24.9	26.4	25.0	25.4	25.5	24.0	24.8	23.4	21.8	22.7
7	25.2	23.1	24.2	25.4	24.2	24.9	25.9	24.1	25.0	23.0	21.1	22.1
8	25.5	23.0	24.3	25.9	24.2	24.9	26.6	25.0	25.6	22.2	20.0	21.5
9	26.6	23.9	25.3	25.4	24.6	25.0	25.9	24.9	25.4	22.2	21.6	21.9
10	27.3	24.9	26.0	25.4	23.9	24.7	26.1	24.5	25.2	22.1	20.0	21.2
11	26.3	24.3	25.3	26.0	24.4	25.0	26.4	24.9	25.6	23.0	20.0	21.7
12	26.1	24.0	24.9	26.3	24.8	25.5	26.5	24.8	25.5	23.9	20.0	23.2
13	24.4	23.3	23.9	26.0	25.0	25.3	25.3	24.4	25.1	24.5	23.5	23.9
14	25.3	23.0	24.3	25.8	24.3	24.8	25.8	24.3	25.1	24.6	20.0	23.8
15	25.9	23.9	24.9	25.6	24.7	25.2	26.4	24.6	25.4	25.6	24.1	24.8
16	26.7	24.7	25.7	25.7	24.7	25.1	26.3	24.4	25.3	26.0	24.2	25.2
17	25.3	23.7	24.5	25.3	24.5	24.9	26.0	24.8	25.3	26.0	24.6	25.3
18	23.7	23.3	23.5	26.3	24.3	25.1	25.1	24.0	24.6	25.9	24.5	25.3
19	25.4	22.9	24.1	26.9	25.1	25.8	25.1	23.5	24.3	24.9	23.8	24.3
20	25.5	23.5	24.5	27.0	25.3	26.0	25.6	24.1	24.8	---	---	---
21	26.5	24.6	25.5	27.2	25.0	26.2	26.3	24.6	25.4	---	---	---
22	26.2	25.1	25.6	27.7	26.0	26.7	26.4	25.0	25.7	---	---	---
23	26.3	24.4	25.3	27.8	26.1	26.9	26.6	25.1	25.8	---	---	---
24	25.9	24.1	25.0	26.7	25.4	26.0	27.1	25.3	26.2	---	---	---
25	25.7	24.2	25.0	26.8	25.5	26.2	27.5	25.9	26.7	---	---	---
26	26.3	24.2	25.2	27.7	25.8	26.7	27.2	25.7	26.5	---	---	---
27	25.7	24.8	25.2	28.2	26.4	27.2	27.2	25.8	26.5	---	---	---
28	25.9	24.3	25.1	28.1	26.8	27.4	27.5	25.9	26.6	---	---	---
29	26.3	24.8	25.5	27.0	26.0	26.4	26.7	25.0	26.0	---	---	---
30	26.8	24.8	25.7	26.4	25.3	25.9	25.4	23.7	24.6	---	---	---
31	---	---	---	26.0	25.3	25.6	24.5	23.0	23.9	---	---	---
YEAR	28.2	0.4	17.8									

02197359 STEEL CREEK AT OLD HATTIESVILLE BRIDGE (SAVANNAH RIVER PLANT), S.C.

LOCATION.--Lat 33°07'05", long 81°37'43", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, 0.5 mi (.80 km) downstream from Seaboard Coastline Railroad bridge, 1.0 mi (1.6 km) west of eastern boundary fence.

DRAINAGE AREA.--34.4 mi² (89.1 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 95 ft (29 m) (from topographic map).

REMARKS.--Records good. Flow regulated by Savannah River Plant operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 460 ft³/s (13.0 m³/s) Feb. 24, 1979, gage height, 4.50 ft (1.372 m); minimum daily, 8.4 ft³/s (0.24 m³/s) May 24, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 274 ft³/s (7.760 m³/s), Sept. 15, gage height, 4.03 ft (1.228 m); minimum daily, 19 ft³/s (0.538 m³/s) Nov. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	22	36	174	42	72	58	39	46	28	44	31
2	29	22	72	71	36	94	51	38	42	29	39	33
3	30	22	39	77	62	114	42	35	43	29	36	31
4	34	22	30	104	75	122	41	28	78	28	34	29
5	42	20	28	86	46	117	56	26	58	47	32	28
6	36	19	30	56	40	117	107	72	40	34	56	28
7	34	22	26	47	36	125	206	136	33	31	131	28
8	34	21	26	43	35	122	72	29	31	33	79	28
9	35	21	25	40	39	117	55	26	30	43	147	28
10	41	22	24	38	44	115	42	26	30	70	74	31
11	44	22	25	39	37	114	39	26	31	40	48	39
12	37	22	25	44	41	117	38	25	32	35	44	36
13	35	21	25	46	69	115	48	25	89	51	54	35
14	30	21	43	79	43	115	56	24	75	53	51	46
15	29	22	84	75	38	117	182	27	41	68	45	147
16	31	22	72	48	39	117	68	27	35	58	40	122
17	30	25	37	42	64	122	48	27	40	57	36	45
18	30	24	48	39	44	144	67	54	51	66	88	35
19	30	23	41	38	38	95	41	43	40	50	84	78
20	30	25	33	40	36	107	52	44	33	73	53	61
21	30	25	31	37	34	119	47	37	32	87	43	47
22	32	23	29	35	33	117	47	28	31	44	39	50
23	29	24	28	38	34	128	38	30	35	37	37	68
24	26	26	28	54	44	208	35	32	47	113	38	58
25	44	26	54	40	46	195	44	40	36	67	35	55
26	55	24	48	37	58	105	103	35	34	46	33	58
27	42	25	37	34	76	81	101	93	36	40	37	58
28	34	24	36	33	78	79	61	103	41	35	32	58
29	29	24	101	35	---	88	41	64	43	38	31	100
30	23	25	58	35	---	67	42	73	31	44	31	118
31	22	---	104	33	---	42	---	96	---	42	31	---
TOTAL	1037	686	1323	1637	1307	3507	1928	1408	1264	1516	1602	1609
MEAN	33.5	22.9	42.7	52.8	46.7	113	64.3	45.4	42.1	48.9	51.7	53.6
MAX	55	26	104	174	78	208	206	136	89	113	147	147
MIN	22	19	24	33	33	42	35	24	30	28	31	28
WTR YR 1982 TOTAL	18824		MEAN 51.6		MAX 208		MIN 19					

SAVANNAH RIVER BASIN

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02197370 SAVANNAH RIVER BELOW STEEL CREEK NEAR MILLETT, S.C.

LOCATION.--Lat 33°04'58", long 81°35'54", Allendale County, Hydrologic Unit 03060106, on left bank 2.8 mi (4.5 km) downstream from Steel Creek, 12.6 mi (20.3 km) upstream from Lower Three Runs, 3.7 mi (6.0 km) west of Millett and at mile 138.8 (223.3 km).

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1971 to current year.

INSTRUMENTATION.--Servo Programmer since October 1971.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 31.4°C Sept. 7, 1982; minimum, 4.0°C Jan. 20, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 31.4°C Sept. 7; minimum, 4.8°C Jan. 12.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.5	22.5	23.0	19.3	18.3	18.9	17.3	14.4	15.6	9.9	8.6	9.3
2	23.9	22.6	23.3	19.9	18.8	19.4	15.2	10.1	14.1	8.6	8.1	8.3
3	23.8	21.4	22.7	20.8	19.2	20.1	14.4	13.6	14.0	9.0	8.3	8.5
4	22.4	20.8	21.7	20.7	20.0	20.3	13.5	12.6	13.0	9.7	9.1	9.5
5	21.9	20.3	21.2	20.5	19.0	19.9	12.7	11.9	12.3	9.9	9.2	9.6
6	22.5	20.5	21.6	19.3	17.9	18.7	16.2	10.3	11.9	10.1	9.2	9.7
7	22.8	21.6	22.1	18.3	17.0	17.7	---	---	---	10.1	9.9	10.0
8	21.9	20.2	20.9	17.5	16.8	17.2	---	---	---	10.6	10.1	10.4
9	20.6	20.2	20.4	17.4	16.8	17.1	---	---	---	10.4	9.1	10.0
10	20.2	19.5	19.9	17.6	16.6	14.7	9.9	8.9	9.4	9.1	6.8	8.4
11	20.0	19.2	19.7	---	---	---	10.0	9.4	9.7	6.7	5.8	6.3
12	20.3	19.1	19.7	---	---	---	9.7	9.0	9.3	6.2	4.8	5.6
13	19.9	18.5	19.5	15.1	14.1	14.6	11.0	9.5	10.2	6.2	4.9	5.7
14	20.1	18.7	19.5	14.9	14.0	14.4	11.3	11.0	11.1	6.0	5.6	5.9
15	20.5	19.1	20.0	15.0	12.9	14.6	11.1	9.9	10.4	6.1	5.5	5.8
16	21.0	19.6	20.5	16.4	11.9	15.4	10.0	9.1	9.5	6.3	5.5	6.0
17	21.6	20.0	20.9	15.5	13.1	14.3	9.8	8.9	9.5	6.7	6.0	6.3
18	21.1	18.7	19.9	17.2	14.9	16.1	8.9	7.6	8.1	7.2	6.1	6.7
19	19.9	18.4	19.1	18.8	12.6	15.7	8.1	7.0	7.5	8.3	7.2	7.9
20	19.7	18.7	19.2	16.6	12.0	14.3	7.6	6.5	6.9	9.0	8.1	8.5
21	19.8	19.2	19.6	14.6	13.6	14.1	8.6	7.0	7.4	10.5	9.0	9.7
22	20.4	19.3	19.9	14.2	13.4	13.7	10.4	8.8	9.3	10.5	10.2	10.4
23	19.4	17.9	18.8	14.1	13.4	13.7	11.9	10.4	11.2	10.4	10.0	10.2
24	17.9	17.5	17.6	14.2	12.0	13.1	12.0	11.7	11.9	9.9	9.1	9.6
25	18.4	17.6	18.2	14.0	12.9	13.5	11.9	11.4	11.7	9.1	8.5	8.8
26	18.9	17.9	18.3	15.4	13.9	14.6	11.8	9.9	11.0	8.4	7.2	8.0
27	18.9	17.8	18.4	16.4	15.4	15.9	9.9	9.7	9.8	7.2	6.6	6.9
28	19.0	18.1	18.7	18.2	13.7	15.4	10.6	9.8	10.3	6.8	6.3	6.5
29	18.8	18.4	18.6	14.6	10.3	12.4	11.3	10.7	11.1	7.5	6.5	7.0
30	19.1	18.3	18.7	16.1	11.6	14.6	11.0	10.1	10.6	8.2	6.9	7.6
31	18.9	18.2	18.6	---	---	---	10.1	9.4	9.7	10.1	8.1	9.1

02197370 SAVANNAH RIVER BELOW STEEL CREEK NEAR MILLETT, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	10.6	9.8	10.2	8.4	7.5	8.0	16.0	14.4	15.3	16.9	15.8	16.4
2	10.4	10.1	10.2	9.0	8.1	8.6	16.6	15.8	16.2	18.4	16.6	17.6
3	10.3	10.1	10.2	9.4	8.6	9.0	16.8	15.9	16.2	19.5	18.2	18.9
4	10.2	9.4	9.9	10.5	9.3	10.0	16.7	15.6	16.1	20.6	18.8	19.7
5	9.4	9.1	9.2	11.1	10.4	10.8	16.2	15.5	15.7	20.7	18.9	19.9
6	10.1	9.0	9.4	12.3	11.0	11.6	16.3	15.0	15.6	20.6	19.0	19.8
7	10.7	10.0	10.3	13.1	12.4	12.8	15.7	14.2	15.0	19.7	18.8	19.3
8	11.0	10.0	10.5	12.5	11.6	12.0	14.9	13.2	14.2	19.4	18.6	18.9
9	11.6	10.7	11.1	12.3	10.9	11.6	14.4	13.1	13.6	20.1	18.4	19.2
10	11.3	10.9	11.1	12.4	11.5	11.9	14.4	13.8	14.1	20.5	18.4	19.5
11	10.8	10.4	10.6	13.3	12.5	12.9	15.1	13.5	14.3	21.2	18.7	20.0
12	10.5	10.1	10.4	14.4	13.3	13.8	16.5	14.0	15.3	22.2	19.7	20.9
13	10.4	9.9	10.2	15.1	14.1	14.6	17.8	16.3	17.4	21.9	20.1	21.1
14	10.5	9.4	10.0	15.6	14.8	15.2	19.9	16.9	18.1	21.6	20.1	20.8
15	11.4	10.3	10.8	16.9	15.4	16.1	19.4	17.9	18.7	21.3	20.0	20.5
16	12.3	11.3	11.8	16.6	16.0	16.3	18.9	17.9	18.4	21.0	19.8	20.3
17	13.1	12.4	12.8	16.6	15.5	16.1	18.2	17.5	17.9	21.6	20.0	20.8
18	12.9	10.5	11.5	16.2	15.3	15.8	18.7	17.6	18.1	22.5	20.1	21.3
19	11.1	10.2	10.6	15.5	14.7	15.1	17.9	17.3	17.6	22.4	20.9	21.6
20	10.8	10.1	10.5	16.7	15.3	16.0	18.5	17.0	17.7	22.2	20.9	21.6
21	10.9	10.4	10.7	18.1	16.5	17.2	18.9	17.8	18.3	22.6	21.1	21.9
22	11.3	10.7	11.0	18.1	17.5	17.8	17.7	15.8	16.9	22.9	21.2	22.1
23	10.8	10.2	10.5	18.3	16.8	17.6	15.7	14.5	15.1	22.5	21.2	22.0
24	10.6	10.2	10.4	17.6	16.3	17.0	15.2	14.3	14.9	23.0	21.6	22.2
25	10.8	10.4	10.6	16.7	15.8	16.2	15.5	14.6	15.0	22.3	21.0	21.6
26	10.4	9.1	9.7	16.1	15.0	15.7	17.2	15.3	16.1	21.3	20.8	21.1
27	9.2	7.9	8.6	14.8	13.6	14.1	17.7	16.5	17.2	22.0	20.8	21.4
28	7.9	7.4	7.6	13.7	12.7	13.3	16.4	14.9	15.3	23.0	21.3	22.1
29	---	---	---	13.8	12.5	13.2	15.9	15.1	15.6	22.9	21.7	22.3
30	---	---	---	14.8	13.1	14.0	16.1	15.6	15.9	22.5	21.8	22.1
31	---	---	---	14.9	14.2	14.6	---	---	---	23.4	21.7	22.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	24.1	22.7	23.3	25.3	23.2	24.2	24.1	23.0	23.6	26.3	22.8	24.1
2	25.0	22.7	23.9	25.5	23.5	24.5	24.9	23.2	24.1	24.8	23.1	23.8
3	24.6	23.4	24.0	25.8	23.9	24.9	25.7	23.8	24.6	26.4	22.9	24.2
4	23.4	22.1	22.7	26.0	24.4	25.2	25.9	23.7	24.7	24.6	23.1	23.8
5	22.7	21.7	22.2	26.3	24.1	25.1	25.5	23.7	24.4	24.8	19.8	23.4
6	23.2	21.9	22.5	25.4	24.2	24.7	25.1	23.1	24.3	28.4	15.8	20.6
7	23.1	21.3	22.3	25.0	23.7	24.4	25.2	23.0	24.4	31.4	15.3	21.5
8	23.9	21.7	22.9	25.2	23.7	24.5	25.2	24.0	24.6	28.1	18.1	21.5
9	24.9	22.5	23.8	24.4	23.2	23.7	25.2	24.1	24.7	23.4	19.4	22.0
10	24.9	23.1	24.1	24.1	21.8	23.0	25.1	24.1	24.6	22.6	22.0	22.4
11	24.5	23.0	23.8	24.0	22.4	23.2	24.8	23.9	24.5	22.2	21.6	21.9
12	23.4	22.4	23.0	24.6	22.8	23.6	23.8	23.2	23.5	22.0	21.6	21.8
13	---	---	---	24.1	20.0	23.5	23.3	22.8	23.2	22.7	21.7	22.2
14	---	---	---	24.8	20.0	23.7	24.3	22.8	23.6	22.8	22.0	22.4
15	---	---	---	24.9	23.0	24.3	25.3	23.0	24.4	22.9	22.3	22.7
16	24.8	23.8	24.4	24.7	21.0	24.3	26.6	23.9	24.9	23.2	22.1	22.7
17	24.0	22.7	23.6	24.3	23.5	23.8	24.5	24.0	24.3	22.9	21.9	22.5
18	22.8	22.1	22.5	23.5	23.5	23.5	---	---	---	23.4	22.3	22.8
19	23.7	21.9	22.7	---	---	---	---	---	---	23.3	22.8	23.1
20	23.6	22.2	22.9	---	---	---	---	---	---	23.7	23.1	23.4
21	23.9	22.3	23.1	---	---	---	---	---	---	23.2	22.6	23.0
22	23.6	22.5	23.1	---	---	---	---	---	---	23.0	22.1	22.5
23	23.5	22.4	22.9	25.3	23.9	24.8	---	---	---	22.2	21.4	21.9
24	23.8	22.5	23.0	24.9	23.7	24.2	---	---	---	21.4	20.4	20.9
25	23.7	22.1	22.9	25.0	23.9	24.3	27.0	25.0	26.3	20.8	20.2	20.6
26	24.6	22.7	23.6	25.4	23.6	24.5	26.0	24.7	25.4	20.7	20.2	20.6
27	23.9	22.8	23.4	25.9	24.1	25.0	24.8	24.1	24.5	21.2	20.0	20.5
28	23.3	22.2	22.7	25.5	24.0	24.7	24.7	23.9	24.4	21.8	20.5	21.1
29	23.5	22.3	22.9	24.3	23.0	23.8	25.3	23.6	24.4	21.7	20.9	21.2
30	24.5	22.8	23.6	23.3	22.8	23.1	25.0	23.6	24.3	21.3	20.6	21.0
31	---	---	---	23.8	23.1	23.4	25.7	23.1	24.0	---	---	---
YEAR	31.4	4.8	17.3									

SAVANNAH RIVER BASIN

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02197380 LOWER THREE RUNS BELOW PAR POND AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°14'07", long 81°31'00", Barnwell County, Hydrologic Unit 03060106, at Savannah River Plant, on right wingwall of spillway culvert below Par Pond, 200 ft (61 m) upstream of SRP Road B bridge.

DRAINAGE AREA.--34.9 mi² (90.4 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 145 ft (44 m) (from topographic map).

REMARKS.--Records poor, except those for periods of no gage-height record, Feb. 17 to Apr. 13, July 9 to Aug. 18, and Sept. 25-30, which are poor. Flow regulated by Savannah River Plant operations.

AVERAGE DISCHARGE.--8 years, 31.4 ft³/s (0.889 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 152 ft³/s (4.30 m³/s) May 30, 1977, gage height, 3.10 ft (0.945 m); minimum daily, 0.60 ft³/s (0.017 m³/s) Nov. 29, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 84 ft³/s (2.38 m³/s), May 27, gage height, 2.48 ft (0.756 m); minimum daily, 0.60 ft³/s (0.017 m³/s) Nov. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	5.5	2.2	44	51	44	22	25	27	6.7	15	5.3
2	2.8	4.7	6.7	43	52	43	21	23	25	5.3	15	6.8
3	1.4	4.5	6.7	47	57	45	22	26	25	4.3	16	5.4
4	1.2	4.5	8.4	53	62	46	24	26	21	4.0	24	4.5
5	1.4	4.5	6.4	48	61	47	28	24	20	4.2	25	3.0
6	1.9	5.9	8.4	46	60	47	26	21	18	3.5	24	1.9
7	2.7	3.9	8.0	45	59	49	25	18	16	3.2	23	1.4
8	3.3	3.0	10	44	58	50	26	15	14	3.2	24	1.3
9	4.5	2.8	8.4	42	58	47	27	14	13	4.2	26	1.2
10	11	3.0	6.7	41	59	42	25	14	12	5.3	30	1.3
11	16	3.2	2.6	39	58	39	23	13	12	9.6	29	1.3
12	17	2.9	1.0	41	61	38	22	12	13	9.0	28	1.3
13	16	2.2	1.0	42	71	38	22	11	16	9.4	28	1.3
14	14	2.0	2.6	42	65	38	22	10	16	11	27	1.4
15	13	1.4	10	41	62	39	21	9.2	15	13	25	1.4
16	12	1.4	11	41	56	42	20	7.7	11	11	24	1.5
17	11	3.0	11	40	51	46	21	8.0	11	11	23	1.5
18	11	1.4	15	41	48	49	24	13	11	10	22	2.2
19	10	1.0	15	41	46	43	22	14	11	14	23	4.5
20	6.7	3.2	14	44	43	40	24	14	10	14	22	6.4
21	7.0	2.2	14	45	40	36	25	14	10	13	22	8.8
22	6.7	1.0	14	44	37	35	24	12	8.8	13	20	11
23	7.3	.72	15	44	35	32	22	11	8.8	14	19	9.1
24	5.9	1.8	14	46	34	30	20	12	8.0	17	18	5.2
25	8.0	1.0	18	46	35	29	21	19	7.0	17	17	2.8
26	16	.81	18	48	41	29	27	18	7.0	16	15	2.5
27	17	1.1	19	46	48	27	32	25	8.0	15	13	2.1
28	16	1.9	20	47	46	26	31	32	9.6	14	12	2.0
29	14	.60	27	47	---	25	29	30	9.6	15	11	2.0
30	8.4	1.2	26	47	---	25	26	29	8.4	15	9.6	1.8
31	6.2	---	41	49	---	24	---	30	---	16	6.7	---
TOTAL	271.0	76.33	381.1	1374	1454	1190	724	549.9	402.2	320.9	636.3	102.2
MEAN	8.74	2.54	12.3	44.3	51.9	38.4	24.1	17.7	13.4	10.4	20.5	3.41
MAX	17	5.9	41	53	71	50	32	32	27	17	30	11
MIN	1.2	.60	1.0	39	34	24	20	7.7	7.0	3.2	6.7	1.2
CAL YR 1981	TOTAL	6714.93	MEAN	18.4	MAX	85	MIN	.60				
WTR YR 1982	TOTAL	7481.93	MEAN	20.5	MAX	71	MIN	.60				

02197400 LOWER THREE RUNS NEAR SNELLING, S.C.

LOCATION.--Lat 33°10'35", long 81°28'50", Barnwell County, Hydrologic Unit 03060106, near left bank at upstream side of bridge on State road 20, 1.0 mi (1.6 km) upstream from Patterson Branch and 4.7 mi (7.6 km) south of Snelling.

DRAINAGE AREA.--59.3 mi² (153.6 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 117 ft (36 m) from Topographic Branch.

REMARKS.--Records fair, except those below 70 ft³/s (1.982 m³/s), which are poor.

AVERAGE DISCHARGE.--8 years, 91.9 ft³/s (2.603 m³/s), 21.05 in/yr (535 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 735 ft³/s (20.8 m³/s) Mar. 13, 1980, gage height, 3.99 ft (1.216 m); minimum daily, 15 ft³/s (0.42 m³/s) Oct. 4-9, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 460 ft³/s (13.0 m³/s) May 28; maximum gage height, 3.25 ft (0.991 m); minimum daily, 15 ft³/s (0.42 m³/s) Oct. 4-9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	27	20	288	115	104	63	66	81	33	59	24
2	16	26	80	151	107	101	55	62	73	28	53	23
3	16	26	43	177	142	98	52	62	67	26	46	23
4	15	26	33	228	173	98	53	64	74	26	41	22
5	15	26	32	194	135	97	63	59	72	26	74	22
6	15	27	29	144	128	93	86	55	70	26	70	22
7	15	27	29	130	124	113	61	50	58	26	66	21
8	15	24	29	123	118	120	61	41	52	26	64	21
9	15	23	30	114	117	103	82	39	47	43	67	22
10	16	24	26	107	128	97	62	36	43	71	92	24
11	38	25	24	95	122	95	56	34	40	40	108	26
12	32	24	20	93	126	95	55	32	49	32	100	28
13	30	22	20	107	182	93	50	31	133	37	87	26
14	27	21	36	172	157	91	48	29	92	56	79	25
15	25	21	97	163	138	90	48	27	64	66	70	25
16	23	20	94	106	131	88	51	27	51	55	67	24
17	23	27	51	95	165	104	52	27	95	53	62	24
18	21	24	72	89	147	145	83	40	114	46	58	50
19	23	21	62	90	131	110	57	43	62	69	56	176
20	20	26	49	102	121	99	72	47	49	135	56	68
21	21	29	45	101	114	90	70	41	43	65	53	52
22	24	23	45	98	108	85	59	35	40	52	51	57
23	24	20	44	98	101	78	53	32	40	50	50	41
24	26	24	42	124	96	73	47	33	38	174	50	32
25	45	26	78	104	84	73	63	49	36	132	50	27
26	55	21	73	99	87	72	174	47	34	71	48	29
27	61	20	58	95	120	67	241	72	37	58	44	30
28	48	21	58	93	119	62	129	346	52	51	41	26
29	41	20	154	92	---	64	87	117	51	54	37	23
30	36	19	102	91	---	65	73	86	38	56	33	23
31	29	---	188	94	---	63	---	93	---	57	28	---
TOTAL	826	710	1763	3857	3536	2826	2206	1822	1795	1740	1860	1036
MEAN	26.6	23.7	56.9	124	126	91.2	73.5	58.8	59.8	56.1	60.0	34.5
MAX	61	29	188	288	182	145	241	346	133	174	108	176
MIN	15	19	20	89	84	62	47	27	34	26	28	21

CAL YR 1981 TOTAL 18749 MEAN 51.4 MAX 287 MIN 15
WTR YR 1982 TOTAL 23977 MEAN 65.7 MAX 346 MIN 15

SAVANNAH RIVER BASIN

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02198500 SAVANNAH RIVER NEAR CLYO, GA.
(National stream-quality accounting network station)
(Radiochemical program station)
(Pesticide program station)

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County (Ga.) - Jasper County (S.C.), Hydrologic Unit 03060109, at Georgia-South Carolina State line, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3.0 mi (4.8 km) north of Clio, and at mile 60.9 (98.0 km).

DRAINAGE AREA.--9,850 mi² (25,510 km²), approximately.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1112: 1940.

GAGE.--Water-stage recorder. Datum of gage is 13.41 ft (4.087 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft (1.219 m) higher. Jan. 31, 1933, to June 12, 1945, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500), and by other powerplants above station.

AVERAGE DISCHARGE.--49 years, 12,000 ft³/s (340 m³/s), 16.58 in/yr (421 mm/yr).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,500 ft³/s (552 m³/s) Jan. 11, gage height, 12.89 ft (3.929 m); minimum daily, 4.420 ft³/s (125 m³/s) Dec. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5970	5420	4970	9370	9000	19100	7260	14400	7590	7310	7820	6400
2	5750	5360	5010	10500	7690	18800	7640	15200	7460	7030	7390	6250
3	5540	5350	4800	12200	7330	18500	7770	15900	7320	6640	6900	6210
4	5410	5430	4830	13500	7450	18000	7710	16200	7280	6400	6670	6200
5	5460	5440	5320	14400	8660	17300	7490	14700	7430	6430	6560	6240
6	5590	5350	5290	15200	10900	16800	7190	11400	8080	6420	6420	6330
7	5600	5530	5280	16000	12300	16700	7040	9370	8310	6330	6410	6120
8	5540	6470	5090	16800	13300	16600	7210	8840	7770	6340	6640	5810
9	5470	6570	4760	18000	13700	16200	7800	8730	7220	6420	6970	5760
10	5550	5760	4460	19000	12400	14300	8690	8260	6920	6570	7180	5860
11	5610	5490	4420	19400	11100	12000	9470	7600	6830	6490	7370	6220
12	5660	5300	4610	18600	11300	10900	9490	7000	6810	6520	7940	6880
13	5760	5140	5360	15800	11600	10100	8010	6660	6810	6680	8270	7350
14	5940	5040	6400	14200	11700	9480	7000	6640	6900	6880	8230	7110
15	5850	5080	6400	13800	11900	8970	6700	6840	7060	7130	7760	6810
16	5580	5190	6430	13300	11200	8170	6650	7180	6980	7520	7270	7350
17	5510	5340	6890	12400	10500	7550	7220	7430	6990	8030	6840	8260
18	5510	5270	7220	11700	10500	7490	8480	7290	7210	8340	6640	8960
19	5510	4970	8070	10400	11300	8100	8710	6740	7390	8430	6730	9250
20	5640	4790	8210	8820	12700	9210	7850	6600	7440	8220	7040	8810
21	5750	4730	7240	8620	13800	9640	7330	6740	7440	7940	7370	8380
22	5640	4710	6630	9170	14600	9350	7370	6720	7330	7730	7480	7880
23	5460	5000	6230	8960	15400	8390	8700	6560	7170	7590	7300	7460
24	5390	5420	6060	8590	16200	7630	10200	6520	7330	7580	7010	7670
25	5400	5630	6040	8470	17000	7640	11000	6760	7410	7670	6670	8570
26	5440	5190	6230	8270	18000	8120	11000	7240	7190	7660	6500	8650
27	5580	5000	7120	8210	18800	8570	9930	7980	6990	7430	6800	7970
28	6010	5230	9610	9070	19100	8630	10200	8380	6990	7310	8040	7240
29	6130	5190	11100	10000	---	8320	12100	8410	7200	7240	8190	6820
30	5740	5070	11100	10500	---	7640	13400	8290	7430	7700	7210	7160
31	5540	---	9710	10400	---	7190	---	7930	---	8230	6620	---
TOTAL	174530	159460	200890	383650	349430	355390	256610	274510	218280	224210	222240	215980
MEAN	5630	5315	6480	12380	12480	11460	8554	8855	7276	7233	7169	7199
MAX	6130	6570	11100	19400	19100	19100	13400	16200	8310	8430	8270	9250
MIN	5390	4710	4420	8210	7330	7190	6650	6520	6810	6330	6410	5760
CAL YR 1981 TOTAL	2539460	MEAN	6957	MAX	13400	MIN	4420					
WTR YR 1982 TOTAL	3035180	MEAN	8316	MAX	19400	MIN	4420					

SAVANNAH RIVER BASIN
02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1965 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT												
21...	1100	5940	--	7.3	15.5	--	8.4	--	--	--	--	--
NOV												
04...	1405	5460	104	6.9	20.0	5.7	7.6	12	--	19	.00	5.5
23...	1550	5080	--	7.1	9.5	--	10.0	--	--	--	--	--
DEC												
09...	1150	4770	--	6.9	7.0	--	10.6	--	--	--	--	--
JAN												
06...	1330	15300	57	6.3	10.5	38	9.2	300	K835	14	3.0	3.9
20...	1140	8760	--	--	6.0	--	10.7	--	--	--	--	--
FEB												
17...	1200	10500	--	6.6	12.5	--	8.6	--	--	--	--	--
MAR												
03...	1330	18500	61	6.5	10.0	22	10.2	98	60	16	.00	4.3
17...	1215	7520	--	--	17.0	--	--	--	--	--	--	--
APR												
21...	1130	7400	88	6.6	18.5	--	7.0	--	--	--	--	--
MAY												
13...	1340	6640	75	6.9	23.0	22	7.5	K23	72	20	.00	5.8
19...	1040	6740	86	7.0	22.0	--	7.2	--	--	--	--	--
JUN												
22...	0815	7360	93	7.0	25.0	--	6.8	--	--	--	--	--
JUL												
13...	1430	6470	83	7.1	26.5	17	7.2	K34	174	19	.00	5.4
27...	0900	7460	--	7.3	26.0	--	6.2	--	--	--	--	--
AUG												
16...	1500	7200	--	7.2	25.5	--	6.1	--	--	--	--	--
SEP												
02...	1650	6190	89	7.1	26.5	13	6.9	K20	K1300	18	.00	5.2
13...	0850	7280	--	7.2	23.0	--	6.3	--	--	--	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)
OCT												
21...	--	--	--	--	--	26	--	--	--	--	--	--
NOV												
04...	1.3	13	58	1.4	1.4	22	7.7	9.3	<.1	11	72	62
23...	--	--	--	--	--	27	--	--	--	--	--	--
DEC												
09...	--	--	--	--	--	27	--	--	--	--	--	--
JAN												
06...	1.1	5.0	40	.6	1.6	11	6.9	4.5	<.1	9.0	56	39
20...	--	--	--	--	--	16	--	--	--	--	--	--
FEB												
17...	--	--	--	--	--	19	--	--	--	--	--	--
MAR												
03...	1.2	7.3	47	.9	1.5	17	6.4	4.8	<.1	9.5	54	46
17...	--	--	--	--	--	23	--	--	--	--	--	--
APR												
21...	--	--	--	--	--	23	--	--	--	--	--	--
MAY												
13...	1.4	9.6	48	1.0	1.5	24	7.0	8.4	<.1	9.5	66	58
19...	--	--	--	--	--	22	--	--	--	--	--	--
JUN												
22...	--	--	--	--	--	23	--	--	--	--	--	--
JUL												
13...	1.3	9.4	50	1.0	1.4	22	7.0	7.3	<.1	11	72	56
27...	--	--	--	--	--	20	--	--	--	--	--	--
AUG												
16...	--	--	--	--	--	23	--	--	--	--	--	--
SEP												
02...	1.3	9.7	51	1.0	1.6	24	6.0	8.2	<.1	9.9	71	56
13...	--	--	--	--	--	21	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

[illegible]

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)
OCT												
21...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
04...	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
09...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
06...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
17...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
03...	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
21...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
13...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01
19...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
22...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
13...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	<.01	--	<.01
27...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
16...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
02...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	<.01	--	<.01
13...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)
OCT												
21...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
04...	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
09...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
06...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
17...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
03...	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
21...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
13...	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01	<.01	<.1	<.10	<.01
19...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
22...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
13...	--	<.01	--	<.01	<.01	--	<.01	<.01	<.01	--	<.10	<.01
27...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
16...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
02...	--	<.01	--	<.01	<.01	--	<.01	<.01	<.01	--	<.10	<.01
13...	--	--	--	--	--	--	--	--	--	--	--	--

SAVANNAH RIVER BASIN

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02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN HOT- TOM MA- TERIAL (UG/KG)	TOTAL THY- TON (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT												
21...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
04...	--	--	--	--	--	--	--	--	--	10	147	66
23...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
09...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
06...	--	--	--	--	--	--	--	--	--	26	1070	98
20...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
17...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
03...	--	--	--	--	--	--	--	--	--	11	549	92
17...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
21...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
13...	<.10	<1.00	<1	<10	<.01	<.01	<.01	<.01	<.01	12	215	98
19...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
22...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
13...	<.10	--	<1	--	<.01	<.01	<.01	<.01	<.01	19	332	86
27...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
16...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
02...	<.10	--	<1	--	<.01	<.01	<.01	<.01	<.01	17	284	76
13...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS RA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)
JAN										
06...	1330	1	1	0	<100	89	1	<1	<10	--
MAR										
03...	1330	1	0	1	<100	140	<1	<1	20	--
MAY										
13...	1340	2	1	1	<100	72	1	<1	10	--
JUL										
13...	1430	<1	--	<1	<100	49	<1	<1	10	0

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
JAN										
06...	<10	2	--	<1	7	0	7	1300	880	420
MAR										
03...	<10	<1	--	<1	34	1	33	790	570	220
MAY										
13...	<10	2	--	<1	5	4	1	1800	1500	320
JUL										
13...	10	5	2	3	7	4	3	950	680	270

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982--Continued

	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	
JAN 06...	<1	--	<1	90	60	32	.1	<.1	<1	
MAR 03...	<1	--	5	30	20	14	.1	<.1	4	
MAY 13...	3	0	3	90	70	20	<.1	<.1	3	
JUL 13...	4	2	2	60	50	11	<.1	<.1	1	
DATE	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	
JAN 06...	--	<1	<1	<1	<1	<1	40	0	42	
MAR 03...	0	4	<1	<1	<1	<1	10	0	120	
MAY 13...	2	1	<1	<1	<1	<1	20	0	32	
JUL 13...	0	1	<1	<1	<1	<1	70	50	20	
DATE	TIME	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
MAY 13...	1340	1.7	<1.3	2.5	2.3	1.2	2.3	1.1	.12	.20
SEP 02...	1650	--	<1.6	<.6	2.8	.7	2.6	.7	.06	.08

PEE DEE RIVER BASIN

02130908 LAKE ROBINSON.--34°23'40", long 80°09'00", Darlington County, Hydrologic Unit 0340201, at plant intake structure on Black Creek, 2.3 mi (3.7 km) upstream from Beaverdam Creek, and 4.7 mi (7.6 km) west of Hartsville. Drainage area, 173 mi² (448 km²). Records available November 1960 to current year.

Lake used for cooling water at the Robinson Steam-Electric Generating Plant of Carolina Power and Light Co. Put in operation 1960. Records furnished by Carolina Power & Light Co.

SANTEE RIVER BASIN

02145900 LAKE WYLIE.--Lat 35°01'15", long 81°00'30", York County, Hydrologic Unit 03050101, at powerplant on Catawba River, 2.0 mi (3.2 km) upstream from Big Dutchman Creek, 3.5 mi (5.6 km) upstream from U.S. Highway 21, 3.5 mi (5.6 km) northwest of Fort Mill, and at mile 138.5 (222.8 km). Drainage area, 3,020 mi² (7,820 km²), approximately. Records available October 1960 to current year. Records of stage August 1925 to September 1960 collected by Duke Power Company. Gage, float gage, and indicator in powerhouse. Datum of gage is 469.4 ft (143.07 m) National Geodetic Vertical Datum of 1929 (levels by Duke Power Co.).

Lake, used for hydroelectric power development, was first put in operation August 1925. Usable capacity, 2,520,500,000 ft³ (71,381,000 m³) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage 4,022,000,000 ft³ (113,900,000 m³). Records furnished by Duke Power Co.

02147300 FISHING CREEK RESERVOIR.--Lat 34°36'00", long 80°53'34", Chester County, Hydrologic Unit 03050103, at Fishing Creek dam, 0.25 mi (0.40 km) upstream from State Highway 97, 0.5 mi (0.8 km) upstream from Fishing Creek, 2.5 mi (4.0 km) north of Great Falls, and at mile 100.5 (161.7 km). Drainage area 3,810 mi² (9,870 km²), approximately. Records available October 1960 to current year. Records of stage November 1916 to September 1960 collected by Duke Power Co. Gage, float gage, and indicator in powerhouse. Datum of gage is 317.2 ft (96.69 m) National Geodetic Vertical Datum of 1929 (levels by Duke Power Co.).

Reservoir, used for hydroelectric power, was first put in operation November 1916. Usable capacity 667,000,000 ft³ (18,900,000 m³) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage 963,100,000 ft³ (27,270,000 m³). Records furnished by Duke Power Co.

02147800 WATEREE RESERVOIR.--Lat 34°20'15", long 80°42'10", Kershaw County, Hydrologic Unit 03050104, at Wateree Reservoir dam, 0.8 mi (1.3 km) upstream from Graungs Quarter Creek, 8.75 mi (14.1 km) northwest of Camden, and at mile 73.5 (118.3 km). Drainage area 4,750 mi² (12,300 km²), approximately. Records available October 1960 to current year. Records of stage October 1919 to September 1960 collected by Duke Power Co. Gage, float gage, and indicator in powerhouse. Datum of gage is 125.5 ft (38.25 m) National Geodetic Vertical Datum of 1929 (levels by Duke Power Co.).

Reservoir, used for hydroelectric power, was put in operation in 1917. Usable capacity 2,794,000,000 ft³ (79,130,000 m³) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage 4,831,600,000 ft³ (136,830,000 m³). Records furnished by Duke Power Co.

MONTH-END GAGE HEIGHTS OR ELEVATIONS, AND CONTENTS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

Date	Lake Robinson			Lake Wylie			Fishing Creek Reservoir			Wateree Reservoir		
	Elevation (feet)	Contents (million cubic feet)	Change in Contents (equiva- lent in ft ³ /s)	Gage Height (feet)	Contents (million cubic feet)	Change in Contents (equiva- lent in ft ³ /s)	Gage Height (feet)	Contents (million cubic feet)	Change in Contents (equiva- lent in ft ³ /s)	Gage Height (feet)	Contents (million cubic feet)	Change in Contents (equiva- lent in ft ³ /s)
Sept. 30, 1981	220.2	1,271		95.9	8,294		96.8	1,188		97.3	6,068	
Oct. 31	220.8	1,329	21.7	96.4	8,536	90.4	97.7	1,307	44.4	97.0	5,902	-62.0
Nov. 30	220.8	1,329	0	96.2	8,437	-38.2	96.5	1,149	-61.0	97.4	6,124	85.6
Dec. 31, 1981	221.8	1,430	37.7	98.7	9,697	470.4	96.7	1,175	9.7	98.4	6,690	211.3
CAL YR 1981			3.2			32.2			-2.9			28.5
Jan. 31, 1982	221.1	1,359	-26.5	97.2	8,931	-286.0	97.7	1,307	49.3	97.3	6,068	-232.2
Feb. 28	221.0	1,349	-4.1	98.7	9,697	316.6	95.2	987	-132.3	97.7	6,292	92.6
Mar. 31	220.9	1,339	-3.7	96.8	8,733	-359.9	97.1	1,227	89.6	97.0	5,902	-145.6
Apr. 30	221.2	1,369	11.6	97.4	9,031	115.0	95.0	963	-101.9	97.0	5,902	0
May 31	221.1	1,359	-3.7	97.5	9,082	19.0	95.0	963	0	97.3	6,068	62.0
June 30	221.0	1,349	-3.9	97.2	8,931	-58.3	94.9	951	-4.6	97.0	5,902	-64.0
July 31	220.8	1,329	-7.5	97.3	8,981	18.7	95.6	1,036	31.7	97.1	5,957	20.5
Aug. 31	220.5	1,300	-10.8	97.1	8,881	-37.3	97.6	1,293	-96.0	97.0	5,902	-20.5
Sept. 30, 1982	220.6	1,310	3.9	96.8	8,733	-57.1	98.2	1,375	31.6	97.1	5,957	21.2
WTR YR 1982			1.2			13.9			5.9			-3.5

DISCHARGE AT PARTIAL-RECORD STATIONS

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1982 in South Atlantic Slope basins.

Station Number	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Probable date	Gage height (feet)	Dis-charge (ft ³ /s)
Pee Dee River basin							
02130400	Little Bear Creek near Chesterfield, S.C.	Lat 34°40'09", long 80°09'11", Chesterfield County, on upstream side of culvert on State Highway 145, 5.5 miles southwest of Chesterfield.	4.10	1975-82	1-5-82	6.18	221
02130550	Herndon Branch near Bennettsville, S.C.	Lat 34°38'27", long 79°44'46", Marlboro County, on upstream side of culvert on State Highway 9, 4.5 miles northwest of Bennettsville.	3.34	1975-82	1-5-82	4.56	(+)
02130800	Back Swamp near Darlington, S.C.	Lat 34°18'11", long 79°46'07", Darlington County, on upstream side of culvert on State Highway 35, 5.7 miles east of Darlington.	6.22	1975-82	6-5-82	4.57	63
02131110	Jeffries Creek above Florence, S.C.	Lat 34°10'40", long 79°48'34", Florence County, at bridge on State Highway 29, 2.6 miles southwest of Florence, and 5.0 miles upstream from confluence with Middle Swamp.	46.6	1968-82	8-19-82	5.14	218
02131140	Jeffries Creek below Florence, S.C.	Lat 34°10'21", long 79°45'45", Florence County, at bridge on city street 2,000 ft downstream from State Highway 52, 1.5 miles south of Florence.	52.0	1968-82	10-30-81	16.71	(+)
02131460	Neds Creek near Kershaw, S.C.	Lat 34°32'39", long 80°37'39", Kershaw County, on upstream side of concrete pipe culvert on State Highway 413, 1.0 mile upstream from Little Lynches River, and 3.2 miles east of Kershaw.	3.98	1975-82	1-1-82	2.37	13
02131500	Lynches River near Bishopville, S.C.	Lat 34°15'00", long 80°12'50", Lee County, near center of span on downstream side of bridge on U.S. Highway 15, 1.0 mile upstream from Seaboard Coast Line Railroad bridge, 2.9 miles northeast of Bishopville, 3.0 miles downstream from Bells Branch, and at mile 89.5.	675	1942-71+ 1972-82	1-5-82	15.69	8,380
02131990	Carter Creek at Effingham, S.C.	Lat 34°03'51", long 79°46'03", Florence County, on upstream side of culvert on U.S. Highway 301, 0.8 mile northwest of Effingham, and 0.9 mile upstream from Lynches River.	8.28	1974-82	6-5-82	6.22	358
02132100	Two Mile Branch near Lake City, S.C.	Lat 33°53'38", long 79°45'38", Florence County, at culvert on U.S. Highway 378 By-Pass, and 1.4 miles north of Lake City.	19.0	1974-82	1-10-82	4.60	115
02132500	Little Pee Dee River near Dillon, S.C.	Lat 34°24'17", long 79°20'25", Dillon County, on downstream side of bridge on State Highway 9, 1.9 miles southeast of Dillon, 3.9 miles upstream from Maple Swamp, and at mile 88.3.	524	1939-71+ 1972-82	1-5-82	10.51	3,310
02135620	Belt Branch near Manning, S.C.	Lat 33°41'54", long 80°13'50", Clarendon County, on downstream side of culvert on State Highway 261, 1.1 miles upstream from Pacotaligo Swamp.	0.83	1974-82	4-30-82	(a)	(+)
02136010	Chaney Swamp near Greeleyville, S.C.	Lat 33°35'12", long 79°56'48", Williamsburg County, at culvert on U.S. Highway 52, 2.5 miles upstream from Rocky Ford Swamp, and 2.5 miles east of Greeleyville.	17.0	1974-82	1-11-82	5.18	121
Santee River basin							
02147600	Scabber Branch near Great Falls, S.C.	Lat 34°30'17", long 81°00'22", Fairfield County, on upstream side of box culvert on State Highway 200, 1.1 miles upstream of Big Wateree Creek, and 7.0 miles southwest of Great Falls.	4.55	1975-82	4-26-82	4.86	651
02153500	Broad River at Gaffney, S.C.	Lat 35°05'20", long 81°34'20", Cherokee County, on right bank at downstream side of bridge on U.S. Hwy. 29, 0.3 miles upstream from Cherokee Creek, 4.4 miles downstream from Gaston Shoals Dam, 4.5 miles east of Gaffney, and at mile 270.3.	1490	1938-71+ 1972-82	1-4-82	11.84	33,900

See footnotes at end of Table.

DISCHARGE AT PARTIAL-RECORD STATIONS

249

Annual maximum discharge at crest-stage partial-record stations during water year 1982 in South Atlantic Slope basins.

Station Number	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Probable date	Gage height (feet)	Dis-charge (ft ³ /s)
Santee River basin--Continued							
02153750	Buck Horn Creek near York, S.C.	Lat 35°02'09", long 81°18'44", York County, on upstream side of culvert on State Highway 5, 4.5 miles upstream from Bullocks Creek, and 4.0 miles northwest of York.	5.23	1975-82	4-26-82	3.95	(+)
02156300	Lawsons Fork Creek at Spartanburg, S.C.	Lat 34°56'53", long 81°52'08", Spartanburg County, on downstream side of bridge on secondary road, 0.8 mile east of Spartanburg.	74.7	1966-70+ 1970-82	1-4-82	14.08	3,370
02157500	Middle Tyger River at Lyman, S.C.	Lat 34°56'35", long 82°08'00", Spartanburg County, on left bank 200 ft upstream from bridge on State Highway 292 at Lyman.	68.3	1937-68+ 1970-82	2-3-82	9.54	2,770
02159600	Dutchman Creek near Pauline, S.C.	Lat 34°47'55", long 81°52'46", Spartanburg County, on downstream side of bridge on County Road 90, 75 feet downstream from Smith Creek and 2.2 miles southwest of Pauline.	8.97	1966-82	12-31-81	8.29	1,420
02160000	Fairforest Creek near Union, S.C.	Lat 34°40'45", long 81°41'25", Union County, on right bank at downstream side of bridge on State Highway 49, 0.3 mile downstream from Buffalo Creek, 4.3 miles southwest of Union, and at mile 7.5.	183	1940-71+ 1972-82	1-4-82	5.57	3,050
02160130	Enoree River near Travelers Rest, S.C.	Lat 34°59'21", long 82°25'15", Greenville County, on upstream side of culvert on U.S. Highway 25, 0.6 mile upstream from North Enoree River and 2.0 miles northeast of Travelers Rest.	5.37	1974-82	8-19-82	3.68	98
02160500	Enoree River near Enoree, S.C.	Lat 34°36'38", long 81°54'35", Spartanburg County, on left bank 60 ft upstream from bridge on State Highway 49, 0.6 mile upstream from Warrior Creek, 3.0 miles southeast of Enoree, and at mile 47.7.	307	1929-76+ 1977-82	1-5-82	5.62	7,600
02160800	Second Creek near Pomaria, S.C.	Lat 34°20'06", long 81°30'11", Newberry County, on upstream side of culvert on U.S. Highway 176, 5.5 miles upstream of Hellers Creek, and 7.2 miles northwest of Pomaria.	1.87	1975-82	5-26-82	5.98	316
02162500	Saluda River near Greenville, S.C.	Lat 34°50'32", long 82°28'51", Pickens County, on right bank 700 ft upstream from bridge on State Road 124, 1.6 miles downstream from Saluda Lake Dam, 2.4 miles upstream from Georges Creek, 4.6 miles west of City Hall in Greenville, and at mile 132.0.	295	1941-82	2-3-82	8.32	4,370
0216300	Saluda River near Pelzer, S.C.	Lat 34°40'05", long 82°27'55", Anderson County, on right bank 0.4 mile downstream from Hurricane Creek, 1.9 miles north of Pelzer, and at mile 114.2.	405	1929-71+ 1972-82	2-3-82	6.20	6,220
02165350	Dirty Creek Tributary near Laurens, S.C.	Lat 34°29'44", long 82°05'15", Laurens County, on upstream side of culvert on State Highway 252, 2.8 miles upstream of Dirty Creek and 4.1 miles west of Laurens.	1.21	1975-82	(b)	(a)	(+)
02167200	Campbell Creek Tributary near Cross Hill, S.C.	Lat 34°18'18", long 81°58'53", Laurens County, at culvert on State Highway 560, 1.8 miles upstream from Campbell Creek, and 4.4 miles northeast of Cross Hill.	0.62	1974-82	1-4-82	5.08	90
02167750	Camping Creek Tributary near Prosperity, S.C.	Lat 34°12'35", long 81°30'08", Newberry County, on upstream side of culvert on County Road 437, 0.35 mile above Camping Creek, and 1.8 miles east of Prosperity.	0.52	1974-82	2-3-82	3.78	23
02169540	Savanna Branch near Cayce, S.C.	Lat 33°55'47", long 81°07'05", Lexington County, on upstream side of culvert on S.C. Highway 215, 0.75 miles upstream from Congaree Creek and 3.9 miles southwest of Cayce.	7.15	1974-82	7-13-82	3.81	279
02169960	Lake Marion Tributary near Vance, S.C.	Lat 33°27'26", long 80°26'32", Orangeburg County, on upstream side of box culvert on State Highway 6, 1.4 miles upstream from Lake Marion and 2.0 miles northeast of Vance.	2.12	1975-82	1-1-82	3.17	34

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS

Annual maximum discharge at crest-stage partial-record stations during water year 1982 in South Atlantic Slope basins.

Station Number	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Probable date	Gage height (feet)	Dis-charge (ft ³ /s)
Edisto River basin							
02172500	South Fork Edisto River near Montmorenci, S.C.	Lat 33°34'35", long 81°30'50", Aiken County, near center of span on downstream side of bridge on State Highway 215, 0.4 mile upstream from Cedar Creek, 1 mile upstream from Shaw Creek, 7.6 miles northeast of Montmorenci, and at mile 167.3.	198	1939-66† 1967-82	1-6-82	7.98	1,600
02173250	Ritter Branch near Perry, S.C.	Lat 33°38'10", long 81°16'04", Aiken County, at culvert on State Highway 14, 0.3 mile upstream from Hollow Creek, 2.6 miles southeast of Perry.	2.22	1975-82	7-15-82	3.01	(+)
Combahee River basin							
02175300	Turkey Creek near Barnwell, S.C.	Lat 33°17'05", long 81°21'46", Barnwell County, at bridge on State Highway 168, 0.5 mile downstream from Long Branch, and 3.0 miles north of Barnwell.	22.8	1975-82	6-4-82	5.41	265
02175450	Savannah Creek near Ehrhardt, S.C.	Lat 33°02'03", long 81°03'11", Colleton County, on upstream side of culvert on State Highway 641, 1.2 miles upstream from Salkehatchie River, and 6.0 miles north of Miley.	3.02	1975-82	1-5-82	5.38	170
02176100	Remick Swamp near Hendersonville, S.C.	Lat 32°48'45", long 80°42'20", Colleton County, at culvert on U.S. Highway 17-A, 1.5 miles upstream from Bluehouse Swamp, and 2.0 miles northeast of Hendersonville.	7.67	1975-82	6-9-82	3.86	31
Savannah River basin							
02184100	Cleveland Creek near Fairplay, S.C.	Lat 34°31'32", long 82°59'29", Oconee County, on upstream side of culvert on State Highway 59, 1.0 mile northwest of Fairplay, and 2.4 miles upstream from Beaver Dam Creek.	5.61	1974-82	1-4-82	5.16	270
02185400	Cane Creek near Walhalla, S.C.	Lat 34°46'48", long 83°06'22", Oconee County, on upstream side of culvert, on State Highway 28, 2.5 miles northwest of Walhalla.	1.08	1975-82	1-4-82	4.72	345
02187900	Broadway Creek near Anderson, S.C.	Lat 34°30'09", long 82°35'00", Anderson County, at bridge on State Highway 48, 0.1 mile downstream from Cupboard Creek and 3.8 miles east of Anderson.	26.4	1975-82	1-4-82	10.30	1,400
02188000	Rocky River near Calhoun Falls, S.C.	Lat 34°08'00", long 82°38'00", Abbeville County, on right bank, 2,000 ft upstream from Swanigan Mill bridge on county road, 3.25 miles northwest of Calhoun Falls.	267	1950-66† 1970-82	1-4-82	9.56	2,020
02192450	Camp Creek near Honea Path, S.C.	Lat 34°23'18", long 82°29'00", Anderson County, on upstream side of culvert on State Highway 185, 2.0 miles upstream from Little River, and 6.7 miles southwest of Honea Path.	1.59	1975-82	1-4-82	6.19	(+)
02192500	Little River near Mount Carmel, S.C.	Lat 34°04'13", long 82°30'02", McCormick County, on right bank, 480 ft downstream from Island Ford bridge, and 4.5 miles north of Mount Carmel.	217	1939-70† 1971-82	1-4-82	15.68	4,740
02195660	Log Creek near Edgefield, S.C.	Lat 33°48'03", long 81°52'39", Edgefield County, on upstream side of culvert on State Highway 23, 3.3 miles east of Edgefield.	1.18	1975-82	12-31-81	4.54	132
02197410	Miller Creek Tributary near Baldoc, S.C.	Lat 33°04'08", long 81°24'26", Allendale County, on upstream side of culvert on State Highway 125, 0.6 mile upstream from Miller Creek, and 1.1 miles southeast of Baldoc.	7.51	1975-82	1-1-82	10.63	(+)

+ Discharge not determined.

† Operated as a continuous-record gaging station.

a Stage not determined.

b Date unknown.

GROUND WATER RECORDS

AIKEN COUNTY

331940081443501. Local number, AK-430.

LOCATION.--Lat 33°19'40", long 81°44'35", Hydrologic Unit 03060106, at Savannah River Plant.

Owner: U.S. Department of Energy.

AQUIFER.--Sands of the Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 18 in (0.46 m) from surface to 279 ft (85 m), 8 in (0.20 m) from 279 ft (85 m) to 605 ft (184.4 m), depth 605 ft (184.4 m), screened intervals 390-400 ft (119-122 m), 455-465 ft (139-142 m), 590-600 ft (180-183 m).

DATUM.--Land-surface datum is 357 ft (109 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Formerly listed AK-2 or LA-4 before 1974. Also known as SRP-4M.

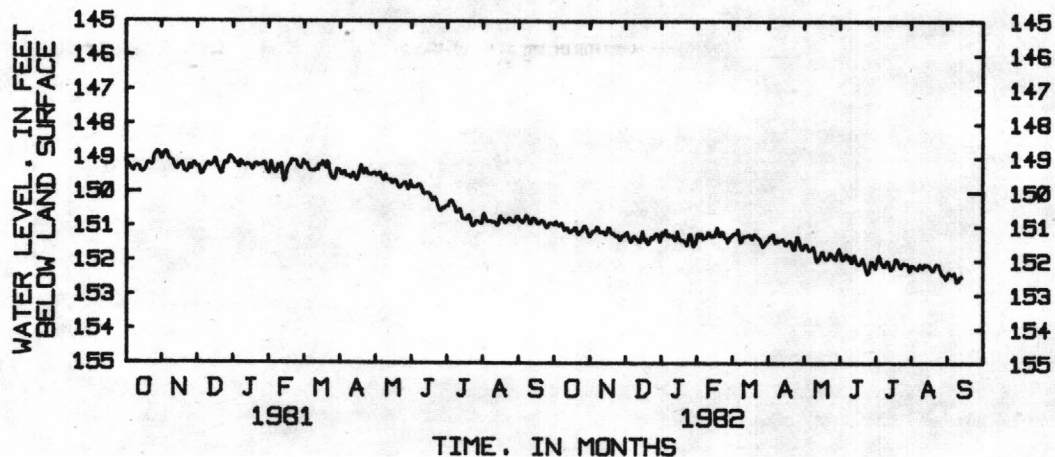
PERIOD OF RECORD.--1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 144.82 ft (44.14 m) below land-surface datum, Feb. 23, 1966; lowest, 153.99 ft (46.94 m) below land-surface datum, Sept. 16, 18, 19, 24, 26, 1970.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET). WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150.93	151.25	151.20	151.17	151.21	151.30	151.41	151.66	151.64	152.15	152.27	152.49
2	150.85	151.17	151.18	151.26	151.31	151.27	151.39	151.59	151.75	152.22	152.14	152.38
3	150.92	151.14	151.30	151.22	151.21	151.22	151.31	151.52	151.90	152.09	152.13	152.34
4	150.96	151.14	151.37	151.10	151.23	151.21	151.31	151.52	151.96	151.92	152.17	152.40
5	150.97	151.10	151.45	151.22	151.36	151.21	151.27	151.60	151.94	151.83	152.22	152.41
6	150.94	151.01	151.42	151.29	151.32	151.21	151.23	151.69	151.84	151.89	152.21	152.40
7	150.90	151.04	151.32	151.24	151.32	151.08	151.42	151.70	151.80	152.06	152.26	152.36
8	150.98	151.14	151.28	151.30	151.30	151.29	151.47	151.67	151.85	152.11	152.17	152.45
9	151.10	151.17	151.35	151.29	151.18	151.46	151.40	151.63	151.94	152.16	152.10	152.62
10	151.09	151.17	151.37	151.26	151.17	151.44	151.44	151.60	151.87	152.16	152.16	152.61
11	151.04	151.16	151.42	151.34	151.26	151.34	151.41	151.75	152.03	152.07	152.23	152.57
12	151.05	151.18	151.44	151.40	151.29	151.28	151.41	151.92	152.05	152.00	152.17	152.49
13	151.14	151.24	151.45	151.32	151.25	151.30	151.40	152.02	151.91	152.02	152.10	152.46
14	151.18	151.22	151.29	151.15	151.29	151.29	151.37	151.97	151.83	152.13	152.14	---
15	151.15	151.12	151.14	151.27	151.26	151.26	151.42	151.94	151.97	152.26	152.11	---
16	151.11	151.04	151.30	151.37	151.14	151.27	151.52	151.84	152.06	152.24	152.13	---
17	151.11	151.05	151.40	151.40	151.03	151.25	151.53	151.75	152.11	152.20	152.16	---
18	151.02	151.17	151.36	151.40	151.16	151.33	151.47	151.73	152.12	152.08	152.21	---
19	151.04	151.21	151.48	151.41	151.27	151.37	151.46	151.86	152.08	151.74	152.28	---
20	151.18	151.20	151.52	151.44	151.27	151.29	151.41	151.94	152.00	151.94	152.29	---
21	151.24	151.26	151.46	151.47	151.16	151.23	151.46	151.95	151.93	151.99	152.25	---
22	151.21	151.27	151.35	151.55	151.17	151.25	151.57	151.94	152.04	152.09	152.15	---
23	151.15	151.29	151.31	151.41	151.29	151.31	151.67	151.88	152.15	152.18	152.10	---
24	151.14	151.27	151.37	151.24	151.33	151.33	151.67	151.77	152.28	152.20	152.12	---
25	151.07	151.36	151.30	151.23	151.34	151.35	151.51	151.78	152.38	152.11	152.12	---
26	150.99	151.40	151.26	151.32	151.47	151.40	151.31	151.83	152.34	152.06	152.25	---
27	150.99	151.33	151.20	151.54	151.39	151.50	151.31	151.90	152.19	152.08	152.33	---
28	151.07	151.27	151.23	151.58	151.31	151.59	151.42	151.95	152.02	152.11	152.42	---
29	151.17	151.30	151.30	151.52	---	151.56	151.57	151.95	152.01	152.08	152.41	---
30	151.27	151.25	151.44	151.42	---	151.51	151.65	151.81	152.09	152.14	152.46	---
31	151.30	---	151.28	151.22	---	151.45	---	151.71	---	152.31	152.55	---
MEAN	151.07	151.20	151.34	151.33	151.26	151.33	151.44	151.79	152.00	152.09	152.22	
MAX	151.30	151.40	151.52	151.58	151.47	151.59	151.67	152.02	152.38	152.31	152.55	
MIN	150.85	151.01	151.14	151.10	151.03	151.08	151.23	151.52	151.64	151.83	152.10	

HYDROGRAPH



BARNWELL COUNTY

332358081252000. Local number, BRN-78.

LOCATION.--Lat 33°23'58", long 81°25'20", Hydrologic unit 03050207, 26 ft (7.9 m) south of West Street, 41 ft (12.5 m) east of Elko Street, Williston.

Owner: Town of Williston.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 12 in (0.30 m) to 500 ft (152 m), 10 in (0.25 m) from 500 ft (152 m) to 785 ft (239 m), depth 785 ft (239 m), screened intervals 568-578 ft (173-176 m), 599-604 ft (182-184 m), 638-658 ft (194-200 m), 702-712 ft (213-217 m), 734-744 ft (223-226 m), 760-770 ft (231-234 m), gravel packed.

DATUM.--Land surface datum is 340 ft (103.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft (0.09 m) above land-surface datum.

REMARKS.--Test hole Gamma logged Aug. 6, 1970 to 808 ft (246.27 m). Resistivity logged Aug. 6, 1970 to 800 ft (243.84 m).

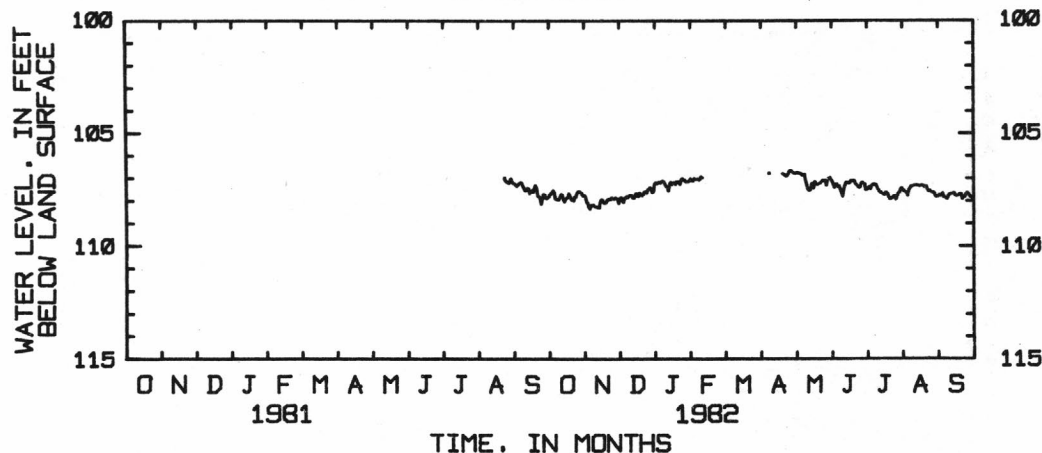
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 106.67 ft (32.5 m) below land-surface datum, Apr. 27, 1982; lowest, 108.37 ft (33.0 m) below land-surface datum, Nov. 5, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET). WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107.81	107.81	107.89	107.19	107.12		---	106.79	107.08	107.55	107.45	107.83
2	107.69	108.03	107.86	107.26	107.13		---	106.77	107.15	107.52	107.54	107.77
3	107.64	108.11	107.97	107.18	107.01		---	106.76	107.30	107.44	107.60	107.81
4	107.55	108.27	108.08	107.19	107.04		---	106.79	107.44	107.40	107.63	107.79
5	107.64	108.37	107.87	107.21	107.04		---	106.81	107.27	107.50	107.66	107.69
6	107.91	108.21	107.87	107.15	107.03		---	106.81	107.28	107.35	107.79	107.87
7	107.94	108.23	107.81	107.12	107.08		---	106.88	107.40	107.31	107.54	107.87
8	107.96	108.19	107.84	107.16	107.05		106.79	106.86	107.37	107.28	107.46	107.92
9	107.94	108.26	107.77	107.26	106.94		106.79	106.84	107.50	107.31	107.36	107.96
10	107.84	108.28	107.75	107.37	106.94		---	107.11	107.66	107.32	107.36	107.82
11	107.71	108.28	107.75	107.39	---		---	107.31	107.83	107.46	107.35	107.74
12	107.74	108.32	107.87	107.57	---		---	107.49	107.52	107.55	107.33	107.71
13	107.93	108.32	107.88	107.29	---		---	107.57	107.33	107.63	107.32	107.71
14	108.05	108.05	107.76	107.18	---		---	107.55	107.20	107.66	107.32	107.69
15	107.93	107.94	107.68	107.29	---		---	107.33	107.20	107.71	107.34	107.67
16	107.87	107.97	107.79	107.19	---		---	107.23	107.25	107.74	107.36	107.79
17	107.84	108.09	107.79	107.20	---		---	107.47	107.21	107.75	107.35	107.80
18	107.69	108.09	107.65	107.28	---		---	107.17	107.12	107.65	107.33	107.79
19	107.82	108.08	107.73	107.16	---		---	107.27	107.15	107.68	107.35	107.76
20	107.95	107.96	107.78	107.20	---		106.82	107.29	107.11	107.75	107.37	107.71
21	107.99	107.94	107.73	107.15	---		106.84	107.28	107.13	107.90	107.41	107.72
22	108.01	107.91	107.61	107.28	---		106.87	107.25	107.28	107.96	107.36	107.95
23	107.83	107.93	107.58	107.07	---		106.93	107.21	107.33	107.89	107.50	107.84
24	107.83	107.86	107.66	107.02	---		106.91	107.16	107.38	107.89	107.60	107.86
25	107.65	107.92	107.52	107.09	---		106.83	107.11	107.44	107.82	107.57	107.73
26	107.58	107.92	107.48	107.09	---		106.71	107.14	107.39	107.82	107.64	107.68
27	107.59	107.87	107.42	107.17	---		106.67	107.11	107.24	107.98	107.66	107.72
28	107.63	107.89	107.48	107.15	---		106.70	107.34	107.20	107.80	107.65	107.79
29	107.69	107.94	107.64	107.16	---		106.77	107.10	107.26	107.69	107.71	107.87
30	107.78	108.11	107.59	107.12	---		106.80	107.01	107.29	107.63	107.83	107.89
31	107.77	---	107.28	107.03	---		---	106.98	---	107.51	107.83	---
MEAN	107.80	108.07	107.72	107.20				107.12	107.31	107.63	107.50	107.79
MAX	108.05	108.37	108.08	107.57				107.57	107.83	107.98	107.83	107.96
MIN	107.55	107.81	107.28	107.02				106.76	107.08	107.28	107.32	107.67

HYDROGRAPH



GROUND WATER LEVELS

BEAUFORT COUNTY

322745080435800. Local number, BFT-121.

LOCATION.--Lat 32°27'45", long 80°43'58", Hydrologic Unit 03050208, 100 ft (30.5 m) east of U.S. 21 and 100 ft (30.5 m) north of locked entrance and 2000 ft (610 m) north of main entrance to the U.S. Marine Corps Air Station, 4.0 mi (6.4 km) northwest of Beaufort on U.S. Hwy. 21.

Owner: U.S. Marine Corp.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in (0.25 m), depth 105 ft (32.0 m), cased to 85 ft (25.9 m) open hole 85 ft (25.9 m).

DATUM.--Land-surface datum is 31.25 ft (9.52 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft (1.01 m) above land-surface datum.

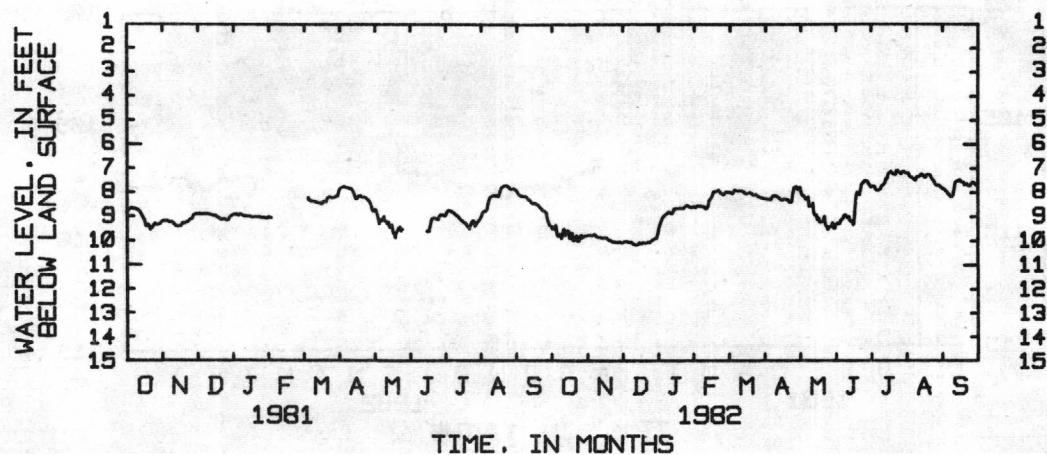
PERIOD OF RECORD.--July 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 5.84 ft (1.78 m) below land-surface datum, April 5, 1980; lowest, 10.68 ft (3.26 m) below land-surface datum Nov. 20, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.46	9.81	10.11	9.49	8.67	8.04	8.31	7.86	9.54	7.76	7.26	7.91
2	9.57	9.81	10.07	9.34	8.66	8.04	8.33	7.85	9.37	7.85	7.24	7.93
3	9.52	9.81	10.07	9.21	8.60	8.05	8.31	8.07	9.32	7.80	7.28	7.96
4	9.39	9.82	10.06	9.09	8.62	8.07	8.35	8.17	9.36	7.80	7.38	8.02
5	9.68	9.80	10.09	9.03	8.62	8.09	8.37	8.20	9.36	7.83	7.43	8.06
6	9.84	9.77	10.11	8.97	8.61	8.02	8.32	8.26	9.21	7.92	7.44	8.13
7	9.78	9.81	10.11	8.93	8.63	7.94	8.36	8.36	9.17	7.98	7.48	8.18
8	9.80	9.86	10.11	8.91	8.64	7.98	8.27	8.33	9.12	7.99	7.53	8.23
9	9.95	9.89	10.15	8.85	8.65	8.00	8.19	8.25	8.99	7.94	7.57	8.26
10	9.70	9.89	10.19	8.87	8.73	7.99	8.21	8.65	8.97	7.92	7.43	8.17
11	9.55	9.88	10.22	8.91	8.71	7.97	8.19	8.64	9.05	7.82	7.39	7.95
12	9.82	9.90	10.22	8.93	8.63	7.99	8.24	8.60	9.10	7.77	7.40	7.67
13	9.72	9.92	10.22	8.84	8.41	7.99	8.25	8.53	9.04	7.73	7.37	7.59
14	9.62	9.91	10.18	8.72	8.32	8.02	8.28	8.91	9.21	7.67	7.30	7.59
15	9.65	9.90	10.12	8.73	8.26	8.05	8.33	9.01	9.23	7.48	7.33	7.53
16	9.92	9.91	10.17	8.70	8.13	8.10	8.38	9.00	9.28	7.47	7.39	7.54
17	9.92	9.93	10.15	8.71	8.01	8.10	8.39	9.19	9.40	7.27	7.44	7.62
18	9.71	9.98	10.12	8.71	8.01	8.08	8.33	9.13	8.97	7.23	7.42	7.64
19	10.02	10.02	10.13	8.70	8.00	8.07	8.34	9.29	8.30	7.18	7.32	7.64
20	10.02	10.02	10.14	8.71	7.98	8.06	8.35	9.30	8.05	7.22	7.32	7.75
21	9.86	10.07	10.13	8.69	7.94	8.08	8.38	9.28	8.11	7.28	7.33	7.72
22	9.83	10.08	10.11	8.71	8.02	8.13	8.40	9.23	8.16	7.32	7.38	7.69
23	10.06	10.10	10.10	8.65	8.09	8.17	8.46	9.06	7.97	7.33	7.48	7.78
24	10.05	10.10	10.12	8.60	8.10	8.16	8.48	9.43	7.72	7.16	7.55	7.80
25	9.87	10.12	10.06	8.59	8.15	8.14	8.44	9.46	7.67	7.15	7.61	7.78
26	9.81	10.12	10.02	8.61	8.12	8.18	8.07	9.60	7.59	7.22	7.73	7.69
27	9.91	10.10	9.98	8.66	8.04	8.23	7.85	9.52	7.56	7.24	7.77	7.64
28	9.86	10.10	9.96	8.66	8.03	8.26	7.82	9.47	7.61	7.30	7.80	7.67
29	9.83	10.12	9.93	8.67	---	8.26	7.82	9.46	7.59	7.20	7.77	7.72
30	9.83	10.13	9.92	8.65	---	8.29	7.95	9.31	7.70	7.19	7.81	7.76
31	9.82	---	9.74	8.62	---	8.31	---	9.54	---	7.23	7.87	---
MEAN	9.79	9.96	10.09	8.82	8.34	8.09	8.26	8.87	8.66	7.52	7.48	7.82
MAX	10.06	10.13	10.22	9.49	8.73	8.31	8.48	9.60	9.54	7.99	7.87	8.26
MIN	9.39	9.77	9.74	8.59	7.94	7.94	7.82	7.85	7.56	7.15	7.24	7.53

HYDROGRAPH



BEAUFORT COUNTY

321551080491003. Local number, BFT-429.

LOCATION.--Lat 32°15'51", long 80°49'10", Hydrologic Unit 03050208, 7.7 miles (12.39 km) southeast on U.S. Hwy. 278 from intersection with State Hwy. 170, northwest on dirt road 1.6 miles (2.57 km), 2 miles (3.2 km) southwest of Foot Point Plantation and at Victoria Bluff.

Owner: S.C. Wildlife and Marine Resources Dept.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 300 ft (91.4 m), cased to 100 ft (30.5 m), open hole to 300 ft (91.4 m).

DATUM.--Land-surface datum is 22.0 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.85 ft (0.56 m) above land-surface datum.

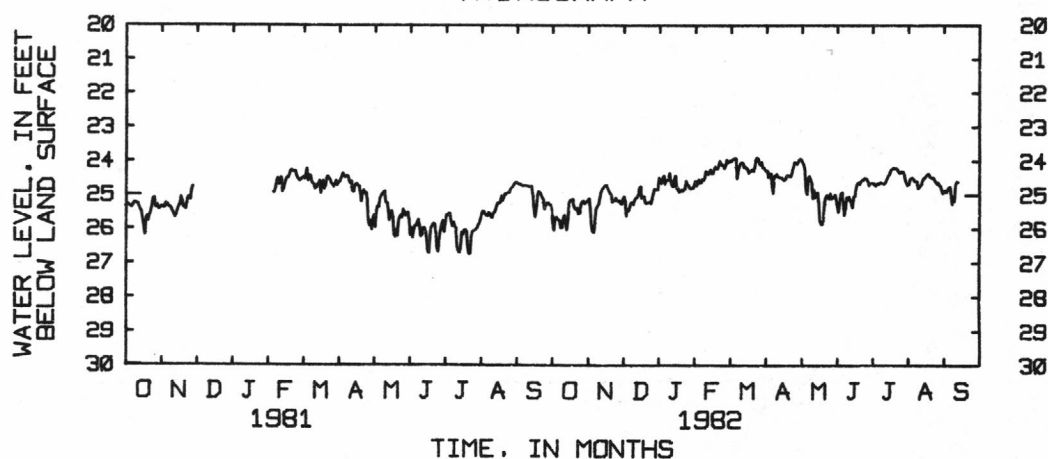
PERIOD OF RECORD.--Aug. 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 21.71 ft (6.62 m) below land surface datum, Sept. 10, 1971; lowest, 26.74 ft (8.15 m) below land-surface datum, July 23, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.60	25.09	25.03	24.55	24.72	24.01	24.25	23.93	25.13	24.63	24.71	24.91
2	26.04	25.40	25.14	24.65	24.64	23.98	24.30	23.96	25.32	24.64	24.68	24.86
3	25.69	25.89	25.62	24.48	24.53	24.00	24.28	24.03	25.51	24.65	24.55	24.91
4	25.64	26.07	25.42	24.42	24.63	23.94	24.48	24.11	25.23	24.70	24.49	24.85
5	25.70	26.10	25.45	24.66	24.61	23.93	24.36	24.27	24.96	24.72	24.48	24.77
6	25.73	25.81	25.34	24.56	24.51	23.89	24.37	24.87	24.91	24.65	24.52	24.75
7	25.76	25.41	25.22	24.54	24.55	23.93	24.69	24.99	25.18	24.67	24.59	24.96
8	25.96	25.32	25.19	24.54	24.46	24.51	24.95	24.51	25.59	24.63	24.58	25.27
9	25.95	25.26	25.27	24.34	24.28	24.26	24.42	24.43	25.41	24.61	24.60	25.02
10	25.71	25.11	25.14	24.56	24.36	24.13	24.44	24.53	25.06	24.63	24.80	25.18
11	25.58	24.92	25.07	24.71	24.38	24.06	24.37	24.64	25.13	24.66	24.77	24.68
12	25.73	24.84	25.05	24.75	24.30	24.03	24.45	25.11	25.04	24.66	24.71	24.59
13	26.03	24.78	24.98	24.53	24.23	24.06	24.46	24.84	25.13	24.61	24.66	24.60
14	25.71	24.73	24.80	24.42	24.36	24.18	24.48	25.07	25.22	24.54	24.54	---
15	25.22	24.69	24.74	24.80	24.35	24.16	24.49	24.99	25.37	24.45	24.48	---
16	25.13	24.69	25.09	24.80	24.25	24.20	24.51	24.93	25.05	24.39	24.45	---
17	25.14	24.80	25.05	24.90	24.15	24.24	24.56	25.23	25.01	24.32	24.41	---
18	25.11	24.88	25.03	24.88	24.21	24.35	24.53	25.75	24.80	24.23	24.37	---
19	25.32	24.94	25.21	24.84	24.21	24.30	24.46	25.86	24.66	24.20	24.36	---
20	25.40	25.00	25.25	24.88	24.13	24.29	24.40	25.87	24.61	24.18	24.45	---
21	25.40	25.20	25.22	24.82	23.99	24.24	24.42	25.75	24.68	24.20	24.48	---
22	25.37	25.16	25.22	24.80	24.07	24.29	24.44	25.24	24.59	24.20	24.49	---
23	25.56	25.15	25.19	24.57	24.12	24.19	24.42	25.06	24.55	24.23	24.48	---
24	25.52	25.07	25.25	24.67	24.11	23.99	24.32	24.99	24.54	24.29	24.56	---
25	25.29	25.17	25.12	24.71	24.21	23.88	24.18	25.09	24.49	24.34	24.61	---
26	25.18	25.17	24.94	24.77	24.11	23.93	24.03	25.09	24.50	24.32	24.66	---
27	25.16	25.16	24.81	24.81	23.95	24.04	24.02	24.94	24.52	24.30	24.62	---
28	25.24	25.23	24.82	24.76	24.04	24.11	24.08	25.11	24.58	24.31	24.71	---
29	25.21	25.26	24.82	24.79	---	24.02	24.02	25.07	24.71	24.38	24.74	---
30	25.17	25.15	24.82	24.69	---	24.19	23.94	25.02	24.64	24.54	24.84	---
31	25.14	---	24.48	24.57	---	24.19	---	24.99	---	24.64	24.94	---
MEAN	25.50	25.18	25.09	24.67	24.30	24.11	24.37	24.91	24.94	24.47	24.59	
MAX	26.04	26.10	25.62	24.90	24.72	24.51	24.95	25.87	25.59	24.72	24.94	
MIN	25.11	24.69	24.48	24.34	23.95	23.88	23.94	23.93	24.49	24.18	24.36	

HYDROGRAPH



BEAUFORT COUNTY

320910080472001. Local number, BFT-439.

LOCATION.--Lat 32°09'10", long 80°47'20", Hydrologic Unit 03050208, 1.0 mi (1.6 Km) northwest of Braddock Point, 3.0 mi (4.8 Km) southwest of Forest Beach on Calibogue Cay Road and at Sea Pines Plantation.

Owner: Sea Pines Plantation.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 214 ft (65.2 m), cased to 125 ft (38.1 m), open hole to 214 ft (65.2 m).

DATUM.--Land-surface datum is 6.95 ft (2.12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of platform, 0.30 ft (0.09 m) above casing and land-surface datum.

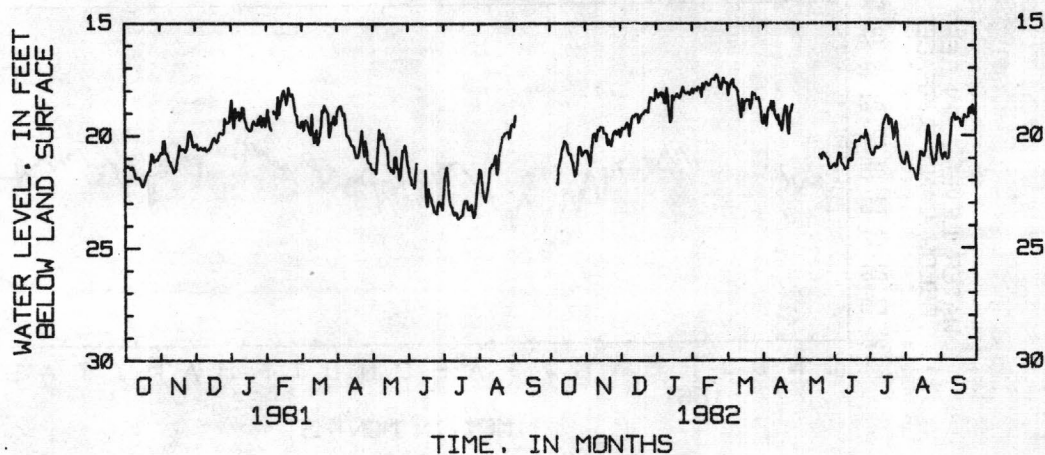
PERIOD OF RECORD.--October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 15.97 ft (4.87 m) below land-surface datum, Mar. 3, 1978; lowest, 30.22 ft (9.21 m) below land-surface datum, Aug. 9, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	20.69	19.86	18.22	18.16	17.71	19.48	---	21.34	20.24	21.33	20.60
2	---	20.82	19.68	18.34	17.98	17.70	19.52	---	21.28	20.54	21.11	20.89
3	---	21.06	19.73	18.16	17.98	18.25	19.10	---	21.45	20.74	20.79	21.10
4	---	21.37	19.69	18.11	18.03	17.90	19.37	---	21.38	20.87	20.95	20.88
5	---	20.74	19.58	18.29	17.87	17.75	19.60	---	21.05	20.93	21.25	20.80
6	22.12	20.30	19.45	18.13	17.93	17.62	18.97	---	20.80	20.80	21.53	21.09
7	22.18	19.97	19.54	18.58	17.95	17.53	18.79	---	20.84	20.61	21.53	21.08
8	21.42	19.93	20.06	18.61	18.32	17.87	18.79	---	21.23	20.54	21.51	21.04
9	21.19	20.27	19.67	17.91	17.71	17.89	18.51	---	21.32	20.60	21.57	20.56
10	20.96	20.05	19.34	18.22	17.97	17.95	18.92	---	21.40	20.58	21.72	19.93
11	20.66	19.74	19.14	18.89	17.77	18.04	18.52	---	21.55	20.54	21.92	19.29
12	20.49	19.80	19.20	19.45	17.65	18.51	19.05	---	21.50	20.48	22.01	19.21
13	20.24	19.63	19.10	19.31	17.72	18.74	19.21	---	21.50	20.05	21.56	19.06
14	20.34	19.67	19.07	18.24	17.81	19.24	19.34	---	21.14	19.56	21.13	19.34
15	20.42	19.65	19.09	18.46	17.81	18.42	19.12	---	21.04	19.35	20.75	19.32
16	20.73	19.93	19.49	18.30	17.70	18.94	19.58	---	21.16	19.21	20.79	19.23
17	20.88	19.93	19.28	18.29	17.53	18.51	19.43	---	21.11	19.10	20.94	19.31
18	20.85	19.98	19.16	18.18	17.51	18.53	19.82	---	20.66	19.18	20.93	19.34
19	21.07	20.46	19.07	18.31	17.56	18.42	19.36	---	20.57	19.55	20.76	19.60
20	21.23	20.20	19.05	18.37	17.44	18.47	18.99	20.89	20.25	19.30	20.40	19.63
21	21.56	20.32	18.95	18.27	17.34	18.45	18.70	20.95	20.32	19.36	19.74	19.29
22	21.84	20.50	18.90	18.07	17.45	18.86	18.77	21.09	20.27	19.81	19.59	19.12
23	21.71	20.27	18.98	17.86	17.64	18.57	19.63	20.78	20.28	20.23	20.07	19.24
24	21.34	19.97	19.00	18.08	17.97	18.10	19.97	20.85	20.15	19.80	20.79	19.24
25	20.60	19.84	18.63	18.13	17.99	18.20	19.04	20.96	20.08	19.40	21.04	19.19
26	20.52	19.81	18.33	18.18	17.67	18.19	18.94	21.01	20.12	19.83	21.34	18.85
27	20.65	19.98	18.36	18.11	17.47	18.38	18.67	21.09	20.16	20.51	21.13	18.77
28	20.92	19.92	18.41	18.12	17.68	18.44	---	21.35	20.12	20.85	21.15	19.00
29	20.79	19.76	18.47	18.22	---	18.34	---	21.52	19.79	21.06	20.69	18.68
30	20.74	20.09	18.37	18.11	---	18.58	---	21.49	19.98	21.21	20.05	19.10
31	20.68	---	17.97	17.95	---	18.90	---	21.41	---	21.28	20.00	---
MEAN		20.16	19.12	18.31	17.77	18.29			20.79	20.20	20.97	19.73
MAX		21.37	20.06	19.45	18.32	19.24			21.55	21.28	22.01	21.10
MIN		19.63	17.97	17.86	17.34	17.53			19.79	19.10	19.59	18.68

HYDROGRAPH



BEAUFORT COUNTY

321125080423000. Local number, BFT-444.

LOCATION.--Lat 32°11'25", long 80°42'30", Hydrologic Unit 03050208, at entrance of Palmetto Dunes Corporation on U.S. Hwy. 278. Owner: Palmetto Dunes Development Corp.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 212 ft (64.6 m), cased to 146 ft (44.5 m), open hole 146 ft (44.5 m).

DATUM.--Land-surface datum is 16.60 ft (5.06 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.95 ft (0.29 m) above land-surface datum.

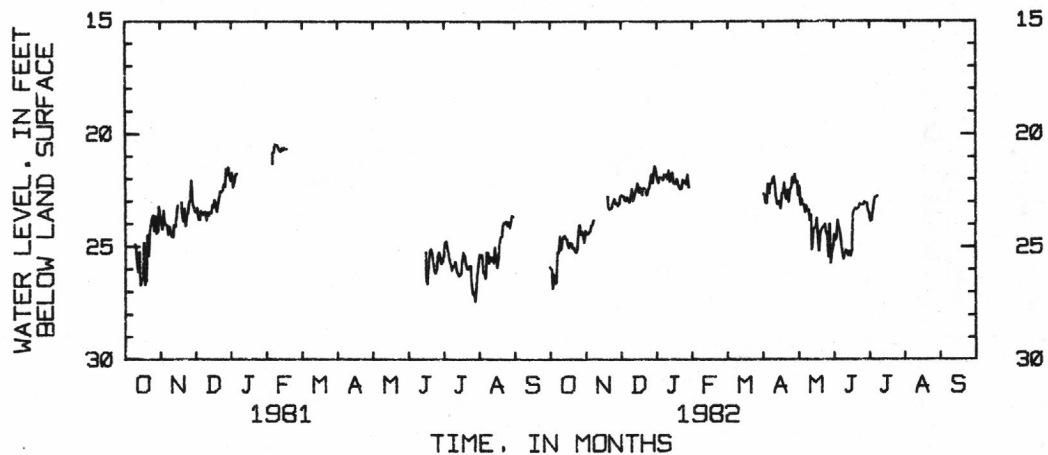
PERIOD OF RECORD.--February 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 16.67 ft (5.08 m) below land-surface datum, Jan. 19, 1976; lowest, 27.12 ft (8.27 m) below land-surface datum, Sept. 26, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.91	24.44	22.73	22.04			---	22.12	25.04	23.42		
2	26.01	24.44	22.77	22.19			22.69	22.75	24.47	23.53		
3	26.88	24.39	22.79	21.94			22.72	22.34	24.75	23.89		
4	26.24	24.32	22.94	21.97			23.08	23.19	24.57	23.85		
5	26.33	24.08	22.99	21.98			23.10	22.90	23.83	23.52		
6	26.64	24.04	22.83	22.08			22.23	23.18	24.15	23.10		
7	25.23	23.84	22.88	21.82			22.69	23.15	24.40	22.82		
8	25.27	---	23.05	21.93			22.23	23.48	24.86	22.81		
9	24.55	---	22.85	21.82			22.24	23.20	25.19	22.77		
10	25.20	---	22.45	22.03			22.04	23.44	25.56	---		
11	24.78	---	23.00	21.64			21.91	23.38	25.32	---		
12	24.59	---	22.79	22.14			22.25	23.87	25.16	---		
13	24.53	---	22.59	21.92			22.85	23.60	25.20	---		
14	24.63	---	22.43	21.74			23.13	25.14	25.40	---		
15	24.71	---	22.19	22.18			23.14	24.31	25.21	---		
16	24.95	---	22.59	22.28			23.00	24.18	25.41	---		
17	25.07	---	22.39	22.23			23.34	24.15	25.18	---		
18	24.85	---	22.55	22.02			22.65	23.73	23.59	---		
19	24.87	22.79	22.72	22.26			22.60	24.68	23.39	---		
20	25.09	23.29	22.41	22.40			22.18	25.20	23.30	---		
21	25.07	23.36	22.45	22.48			22.80	24.38	23.36	---		
22	25.21	23.33	22.59	22.43			22.92	24.26	23.29	---		
23	25.28	23.23	22.74	22.07			22.52	24.16	23.24	---		
24	25.12	23.04	22.50	22.18			23.06	24.11	23.12	---		
25	24.39	22.89	22.39	22.09			22.46	24.00	23.15	---		
26	24.05	23.12	22.04	22.25			22.40	24.35	23.17	---		
27	24.48	23.09	21.81	21.82			21.94	24.50	23.14	---		
28	24.36	23.21	22.19	22.39			22.19	25.46	23.02	---		
29	24.54	23.12	21.64	---			21.81	23.99	23.07	---		
30	24.83	22.79	21.43	---			22.20	25.74	23.07	---		
31	24.31	---	21.69	---			---	25.26	---	---		
MEAN	25.10		22.50					23.94	24.19			
MAX	26.88		23.05					25.74	25.56			
MIN	24.05		21.43					22.12	23.02			

HYDROGRAPH



GROUND WATER LEVELS

BEAUFORT COUNTY

322340080455500. Local number, BFT-453.

LOCATION.--Lat 32°23'40", long 80°45'55", Hydrologic Unit 03050208, 0.75 mi (1.2 km) northeast of Broad River bridge in the intersection of State Hwy. 170, 281, and 20.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 104 ft (31.7 m), cased to 63 ft (19.2 m), open hole to 104 ft (31.7 m).

DATUM.--Land-surface datum is 18 ft (5.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.5 ft (1.06 m) above land-surface datum.

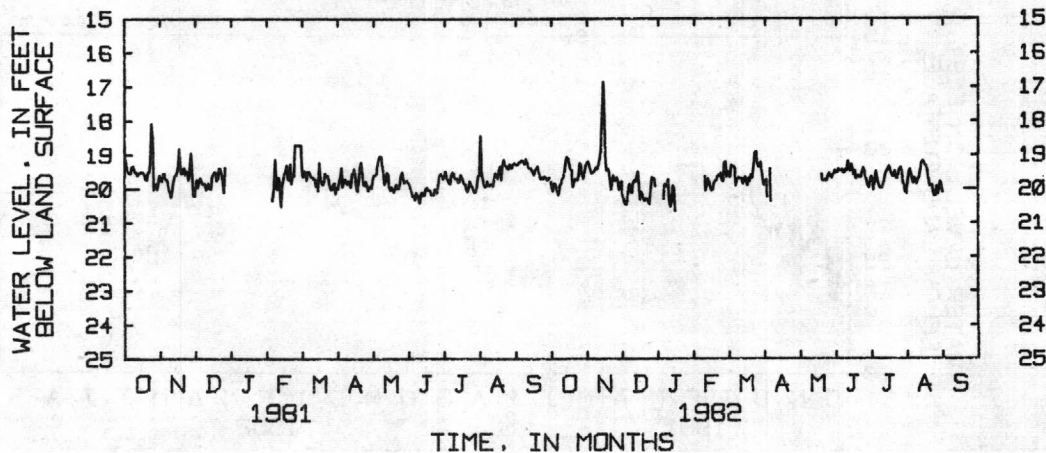
PERIOD OF RECORD.--December 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 16.84 ft (5.13 m) below land-surface datum, Nov. 14, 1981; lowest, 21.14 ft (6.44 m) below land-surface datum, January 21, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.80	19.18	20.19	---	---	19.48	19.89	---	19.45	19.80	20.16	20.11
2	20.07	19.29	20.31	---	---	19.51	19.76	---	19.54	19.63	19.82	---
3	19.83	19.42	20.45	---	---	19.66	19.73	---	19.51	19.71	19.51	---
4	19.85	19.54	20.47	---	---	19.30	20.24	---	19.41	20.06	19.42	---
5	19.97	19.52	20.36	20.29	---	19.33	---	---	19.48	19.79	19.58	---
6	20.09	19.48	19.96	19.86	---	19.34	19.41	---	19.46	19.48	19.74	---
7	20.19	19.44	19.85	19.90	---	19.39	20.37	---	19.43	19.70	19.85	---
8	19.90	19.36	20.09	19.92	---	19.90	---	---	19.53	19.85	19.68	---
9	19.84	19.41	20.10	19.71	19.63	19.72	---	---	19.53	19.95	19.75	---
10	19.71	19.30	19.84	20.37	20.06	19.67	---	---	19.42	20.00	19.87	---
11	19.64	19.12	19.74	20.53	19.90	19.70	---	---	19.46	19.98	19.73	---
12	19.47	18.90	19.78	20.38	19.69	19.67	---	---	19.18	19.91	19.66	---
13	19.18	17.84	19.63	19.90	19.79	19.70	---	---	19.34	19.79	19.46	---
14	19.04	16.84	19.48	19.98	19.94	19.86	---	---	19.48	19.58	19.23	---
15	19.10	17.79	19.85	20.66	20.05	19.71	---	---	19.28	19.48	19.17	---
16	19.27	19.07	20.32	---	20.03	19.64	---	---	19.43	19.43	19.22	---
17	19.42	19.46	20.08	---	19.85	19.81	---	---	19.60	19.33	19.31	---
18	19.45	19.41	20.18	---	19.76	19.90	---	---	19.46	19.41	19.33	---
19	19.95	19.49	20.32	---	19.75	19.68	---	---	19.71	19.54	19.47	---
20	19.78	19.72	20.35	---	19.65	19.77	---	19.57	19.67	19.62	19.70	---
21	19.70	20.05	20.28	---	19.59	19.58	---	19.74	19.62	19.65	19.91	---
22	19.72	19.71	20.30	---	19.62	19.68	---	19.77	19.67	19.47	19.91	---
23	19.74	19.59	20.37	---	19.53	19.33	---	19.73	19.68	19.63	19.88	---
24	19.62	19.75	20.46	---	19.73	18.92	---	19.77	19.54	19.72	20.10	---
25	19.23	19.75	20.04	---	19.77	18.89	---	19.75	19.38	19.57	20.23	---
26	19.30	19.65	19.65	---	19.20	19.22	---	19.61	19.47	19.43	20.20	---
27	19.56	19.76	19.67	---	19.19	19.34	---	19.54	19.65	19.37	19.92	---
28	19.70	20.04	19.70	---	19.64	19.36	---	19.62	19.76	19.45	20.16	---
29	19.52	19.83	19.91	---	---	19.20	---	19.69	19.91	19.79	20.01	---
30	19.32	19.77	---	---	---	19.46	---	19.61	19.98	19.91	19.78	---
31	19.23	---	---	---	---	19.75	---	19.55	---	20.10	19.92	---
MEAN	19.62	19.32	---	---	---	19.53	---	---	19.53	19.68	19.73	---
MAX	20.19	20.05	---	---	---	19.90	---	---	19.98	20.10	20.23	---
MIN	19.04	16.84	---	---	---	18.89	---	---	19.18	19.33	19.17	---

HYDROGRAPH



BEAUFORT COUNTY

321459080420101. Local number, BFT-786.

LOCATION.--Lat 32°14'59", long 80°42'01", Hydrologic Unit 03050208, North end of Hilton Head Island, where State road 335 ends and 2.0 miles (3.2 km) northwest of Hilton Head Tower.

Owner: Town of Hilton Head.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 524 ft (159.7 m), cased to 300 ft (91.4 m), open hole to 524 ft (159.7 m).

DATUM.--Land-surface datum is 12.14 ft (3.70 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.4 ft (0.43 m) above land-surface datum.

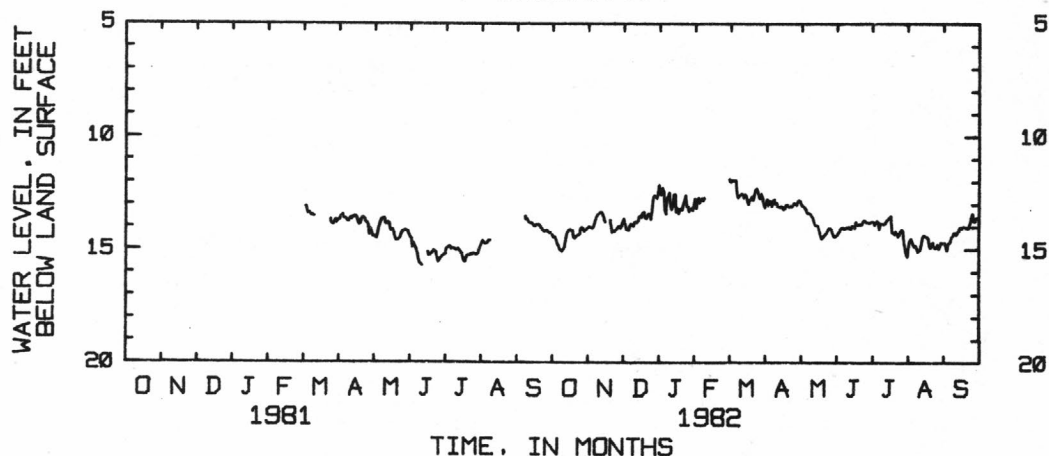
PERIOD OF RECORD.--December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 8.83 ft (2.69 m) below land-surface datum, May 18, 1980; lowest 15.74 ft (4.80 m) below land-surface datum, Aug. 18, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.38	13.99	13.66	12.50	13.20	11.90	13.16	12.87	14.42	13.78	15.33	14.72
2	14.48	14.03	13.88	12.61	12.80	12.00	12.94	12.99	14.38	13.76	14.89	14.71
3	14.46	14.04	14.12	12.30	12.73	12.03	12.79	13.07	14.28	13.79	14.62	14.82
4	14.61	14.08	14.15	12.44	12.96	11.92	13.07	13.11	14.21	13.92	14.52	15.07
5	14.77	13.99	14.16	13.26	12.82	11.97	12.86	13.16	14.10	13.82	14.64	14.76
6	14.85	13.84	13.99	13.45	12.74	11.94	12.90	13.25	14.05	13.73	14.78	14.70
7	15.02	13.66	13.88	12.70	12.86	11.95	13.10	13.39	14.05	13.80	14.89	14.65
8	15.06	13.53	13.94	12.71	12.73	12.55	12.84	13.41	14.10	14.11	14.83	14.44
9	15.11	13.45	14.00	12.49	---	12.74	12.81	13.42	14.06	13.85	14.94	14.40
10	15.02	13.40	13.81	13.08	---	12.64	12.99	13.46	14.02	13.87	15.10	14.26
11	14.91	13.36	13.79	13.25	---	12.58	12.94	13.54	14.06	13.88	15.05	14.26
12	14.64	13.36	13.82	13.12	---	12.54	13.11	13.62	14.01	13.88	15.01	14.37
13	14.36	13.46	13.75	12.59	---	12.58	13.13	13.80	14.08	13.83	14.78	14.26
14	14.21	13.60	13.55	12.57	---	12.74	13.15	13.93	14.09	13.74	14.49	14.18
15	14.14	13.80	13.51	13.36	---	12.59	13.10	13.97	13.95	13.67	14.38	14.05
16	14.12	---	13.59	13.19	---	12.66	13.15	13.94	14.00	13.63	14.41	14.02
17	14.19	---	13.40	13.43	---	12.84	13.24	14.04	14.06	13.56	14.44	14.09
18	14.17	---	13.35	13.27	---	13.01	13.20	14.24	13.77	13.51	14.44	14.00
19	14.49	13.72	13.60	13.21	---	12.80	13.06	14.43	13.92	14.25	14.53	14.00
20	14.52	13.95	13.64	13.27	---	12.81	13.03	14.52	13.92	14.28	14.84	14.04
21	14.44	14.27	13.52	13.03	---	12.68	13.12	14.46	13.88	14.33	14.92	14.02
22	14.40	14.21	13.43	12.88	---	12.83	13.13	14.40	13.90	14.21	14.76	14.07
23	14.37	14.22	13.48	12.61	---	12.60	13.09	14.33	13.89	14.31	14.69	14.04
24	14.33	14.18	13.67	13.11	---	12.38	13.13	14.27	13.78	14.45	14.88	13.83
25	14.08	14.11	13.20	13.13	---	12.31	13.05	14.18	13.71	14.37	14.95	13.61
26	14.03	14.02	12.71	13.34	---	12.45	12.94	14.09	13.76	14.21	14.94	13.41
27	14.09	13.99	12.62	13.23	---	12.67	13.00	14.07	13.81	14.13	14.78	13.76
28	14.21	14.08	12.69	13.19	---	12.75	13.05	14.12	13.81	14.18	14.97	13.78
29	14.15	13.98	12.75	13.29	---	12.55	12.89	14.28	13.82	14.63	14.84	13.61
30	14.10	13.81	12.61	13.04	---	12.73	12.83	14.39	13.81	14.92	14.69	13.61
31	14.06	---	12.15	12.77	---	13.00	---	14.46	---	15.20	14.73	---
MEAN	14.44		13.50	12.98		12.51	13.03	13.85	13.99	14.05	14.78	14.18
MAX	15.11		14.16	13.45		13.01	13.24	14.52	14.42	15.20	15.33	15.07
MIN	14.03		12.15	12.30		11.90	12.79	12.87	13.71	13.51	14.38	13.41

HYDROGRAPH



BEAUFORT COUNTY

321459080420102. Local number, BFT-787.

LOCATION.--Lat 32°14'59", long 80°42'01", Hydrologic Unit 03050208, North end of Hilton Head Island, 2.0 miles (3.2 km) northwest of Hilton Head Tower, and at end of State Road 335.

Owner: Town of Hilton Head.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 239 ft (72.8 m), cased to 126 ft (38.4 m), open hole to 239 ft (72.8 m).

DATUM.--Land-surface datum is 12 ft (3.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.30 m) above land-surface datum.

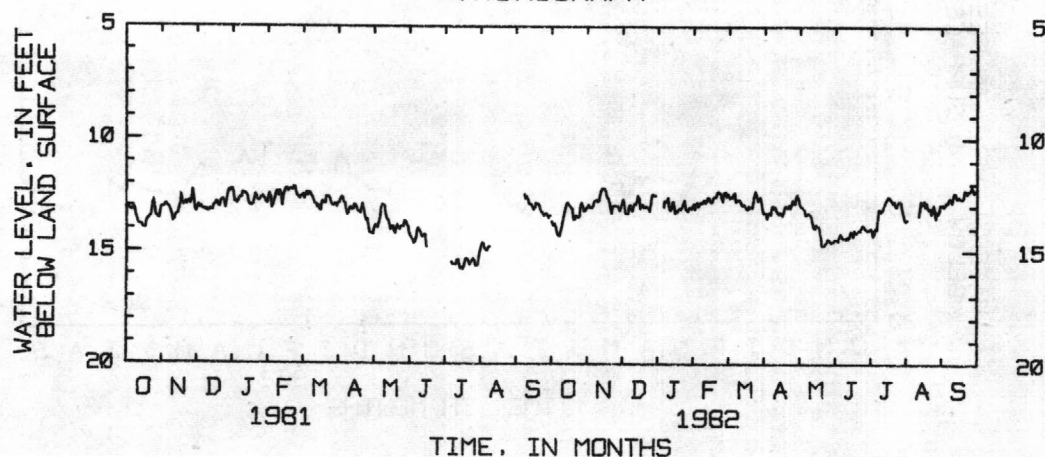
PERIOD OF RECORD.--July 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 9.99 ft (3.04 m) below land-surface datum, Mar. 9, 1978; lowest 15.79 ft (4.81 m) below land-surface datum July 17, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.70	12.96	12.71	---	13.15	12.45	13.33	12.63	14.48	14.02	13.66	12.98
2	13.88	13.07	13.03	---	12.89	12.52	13.31	12.90	14.49	13.98	13.60	12.92
3	13.79	13.06	13.33	---	12.84	12.66	13.33	13.03	14.51	14.07	---	13.03
4	13.94	13.09	13.35	---	13.02	12.59	13.55	13.04	14.55	14.34	---	12.95
5	14.21	12.97	13.36	13.04	12.90	12.63	13.32	13.09	14.36	14.23	---	12.83
6	14.32	12.81	13.04	12.78	12.83	12.48	13.28	13.18	14.22	13.99	---	12.86
7	14.36	12.77	12.96	12.79	12.88	12.42	13.37	13.39	14.33	14.03	---	12.73
8	14.15	12.72	13.16	12.81	12.78	12.80	13.03	13.38	14.43	13.62	---	12.64
9	13.93	12.82	13.23	12.63	12.72	12.76	12.98	13.32	14.42	13.14	---	12.70
10	13.64	12.75	13.00	13.12	12.86	12.71	13.13	13.35	14.42	13.16	---	12.86
11	13.39	12.49	12.89	13.21	12.79	12.74	13.04	13.39	14.46	13.24	---	12.58
12	13.15	12.32	12.92	13.12	12.60	12.82	13.22	13.48	14.37	13.17	13.40	12.41
13	12.93	12.22	12.79	12.81	12.65	12.93	13.30	13.75	14.44	13.06	13.21	12.44
14	12.86	12.25	12.55	12.82	12.77	12.98	13.36	13.96	14.32	12.89	12.77	12.63
15	12.94	12.25	12.66	13.34	12.84	12.93	13.28	14.00	14.11	12.77	12.92	12.65
16	13.01	12.37	13.13	13.20	12.78	13.01	13.31	13.83	14.18	12.67	12.84	12.59
17	13.09	12.60	12.97	13.27	12.60	13.12	13.43	13.92	14.36	12.57	12.74	12.66
18	13.16	12.69	12.95	13.15	12.58	13.17	13.31	13.90	14.07	12.58	13.02	12.67
19	13.62	12.84	13.08	13.12	12.58	13.01	13.07	14.02	14.19	12.67	12.83	12.69
20	13.60	13.13	13.07	13.17	12.44	13.10	12.98	14.32	14.18	12.75	13.07	12.58
21	13.44	13.33	13.03	13.02	12.35	13.03	13.07	14.76	14.11	12.85	13.15	12.30
22	13.46	13.03	13.06	12.90	12.41	13.10	13.07	14.76	14.06	12.79	13.09	12.33
23	13.53	12.98	13.10	12.75	12.46	12.84	12.95	14.73	14.09	12.94	13.33	12.46
24	13.49	13.00	13.25	13.13	12.68	12.52	13.09	14.65	13.95	13.02	13.26	12.34
25	12.98	13.01	12.92	13.16	12.80	12.34	12.92	14.57	13.82	12.89	12.94	12.32
26	12.87	12.98	12.55	13.25	12.42	12.51	12.74	14.46	13.89	12.79	13.16	12.29
27	13.02	13.08	12.48	13.07	12.38	12.77	12.86	14.48	13.99	12.78	13.54	12.13
28	13.24	13.23	12.53	13.05	12.58	12.73	12.90	14.55	14.02	12.85	13.24	12.26
29	13.22	13.06	12.54	13.13	---	12.60	12.59	14.61	14.08	13.14	13.32	12.40
30	13.12	12.89	---	13.02	---	12.83	12.49	14.58	14.09	13.36	13.21	12.31
31	13.05	---	---	12.91	---	13.14	---	14.56	---	13.58	12.93	---
MEAN	13.45	12.83			12.70	12.78	13.12	13.89	14.23	13.22		12.58
MAX	14.36	13.33			13.15	13.17	13.55	14.76	14.55	14.34		13.03
MIN	12.86	12.22			12.35	12.34	12.49	12.63	13.82	12.57		12.13

HYDROGRAPH



BERKELEY COUNTY

332455079545501. Local number, BRK-62, Cooper River Rediversion No. 19.

LOCATION.--Lat 33°24'55", long 79°54'55", Hydrologic Unit 03050112, near St. Stephens.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene sands.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in (0.15 m), depth 32 ft (9.75 m), screened interval 21-31 ft (6.4-9.4 m).

DATUM.--Measuring point: Top of platform, 74.61 ft (22.74 m) National Geodetic Vertical Datum of 1929, 2.7 ft (0.82 m) above land surface.

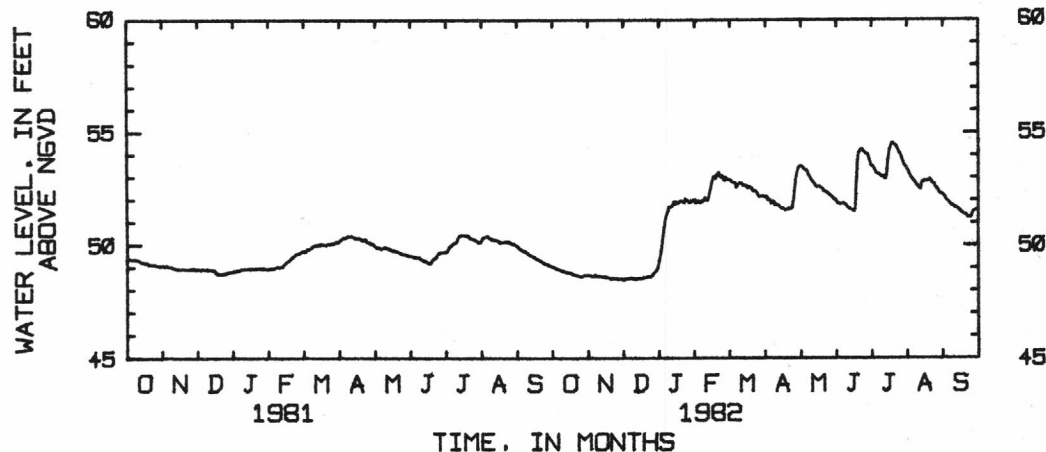
PERIOD OF RECORD.--November 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 57.02 ft (17.38 m) NGVD, April 4, 1980; lowest, 48.47 ft (14.77 m) NGVD, Nov. 30, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49.04	48.65	48.49	49.41	51.85	52.87	52.13	53.48	51.96	53.59	53.38	52.20
2	49.01	48.65	48.50	49.68	51.89	52.88	52.09	53.50	51.87	53.46	53.30	52.15
3	48.97	48.64	48.50	50.00	51.96	52.84	52.13	53.48	51.81	53.45	53.18	52.09
4	48.95	48.63	48.52	50.47	51.88	52.79	51.98	53.43	51.80	53.37	53.05	51.98
5	48.93	48.63	48.51	50.84	51.88	52.74	52.00	53.35	51.80	53.25	52.95	51.92
6	48.91	48.65	48.52	51.17	51.96	52.73	51.97	53.31	51.79	53.15	52.88	51.87
7	48.89	48.61	48.54	51.37	51.91	52.73	51.81	53.28	51.82	53.11	52.81	51.82
8	48.86	48.60	48.54	51.47	51.99	52.52	51.89	53.22	51.82	53.11	52.77	51.76
9	48.84	48.60	48.52	51.71	52.10	52.60	51.92	53.07	51.77	53.08	52.68	51.71
10	48.82	48.60	48.52	51.66	51.98	52.69	51.76	52.98	51.74	53.01	52.59	51.70
11	48.81	48.60	48.51	51.72	51.97	52.74	51.80	52.90	51.66	53.01	52.54	51.68
12	48.80	48.58	48.50	51.74	52.05	52.73	51.73	52.79	51.61	52.99	52.47	51.64
13	48.79	48.57	48.50	51.90	52.32	52.70	51.75	52.74	51.61	52.93	52.43	51.59
14	48.77	48.58	48.53	51.92	52.53	52.61	51.70	52.67	51.56	52.90	52.70	51.57
15	48.76	48.57	48.54	51.80	52.76	52.64	51.64	52.58	51.52	53.12	52.80	51.54
16	48.74	48.56	48.52	51.90	52.94	52.59	51.60	52.52	51.51	53.75	52.81	51.48
17	48.72	48.55	48.54	51.85	53.04	52.61	51.61	52.58	51.46	54.11	52.82	51.41
18	48.70	48.54	48.56	51.92	52.92	52.49	51.56	52.57	51.59	54.29	52.82	51.39
19	48.67	48.53	48.55	51.96	53.05	52.56	51.53	52.51	52.80	54.46	52.82	51.34
20	48.66	48.53	48.57	51.92	53.14	52.55	51.56	52.49	53.72	54.51	52.85	51.32
21	48.64	48.52	48.59	51.94	53.22	52.49	51.59	52.44	54.06	54.46	52.88	51.29
22	48.63	48.51	48.60	51.86	53.01	52.42	51.60	52.37	54.18	54.39	52.79	51.25
23	48.61	48.51	48.61	52.04	52.98	52.38	51.57	52.33	54.22	54.35	52.73	51.19
24	48.59	48.51	48.60	51.98	53.06	52.36	51.62	52.31	54.21	54.26	52.67	51.19
25	48.59	48.49	48.64	51.98	52.90	52.37	51.67	52.29	54.14	54.14	52.63	51.17
26	48.60	48.49	48.70	51.91	52.83	52.29	51.91	52.23	54.07	54.05	52.51	51.29
27	48.63	48.49	48.76	51.86	52.99	52.16	52.46	52.19	54.00	53.93	52.47	51.43
28	48.65	48.48	48.81	51.95	52.88	52.12	52.93	52.14	54.00	53.83	52.39	51.50
29	48.65	48.48	48.88	51.92	---	52.16	53.20	52.09	53.94	53.65	52.27	51.53
30	48.65	48.47	48.98	51.97	---	52.16	53.39	52.04	53.79	53.51	52.25	51.54
31	48.65	---	49.14	52.02	---	52.17	---	51.99	---	53.45	52.22	---
MEAN	48.76	48.56	48.61	51.54	52.50	52.54	51.94	52.71	52.59	53.63	52.72	51.58
MAX	49.04	48.65	49.14	52.04	53.22	52.88	53.39	53.50	54.22	54.51	53.38	52.20
MIN	48.59	48.47	48.49	49.41	51.85	52.12	51.53	51.99	51.46	52.90	52.22	51.17

HYDROGRAPH



BERKELEY COUNTY

332455079545500. Local number, BRK-63, Cooper River Rediversion No. 20.

LOCATION.--Lat 33°24'55", long 79°54'55", Hydrologic Unit 03050112, at the end of North Main St. in St. Stephens.

Owner: U.S. Army Corp of Engineers.

AQUIFER.--Paleocene-Eocene limestones.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 158 ft (48.16 m), cased to 133 ft (40.54 m), open hole 133 ft (40.54 m).

DATUM.--Measuring point: Top of platform, 75.04 ft (22.87 m) National Geodetic Vertical Datum of 1929, 2.93 ft (0.89 m) above land surface.

REMARKS.--Record estimated July 13, 14, 1982.

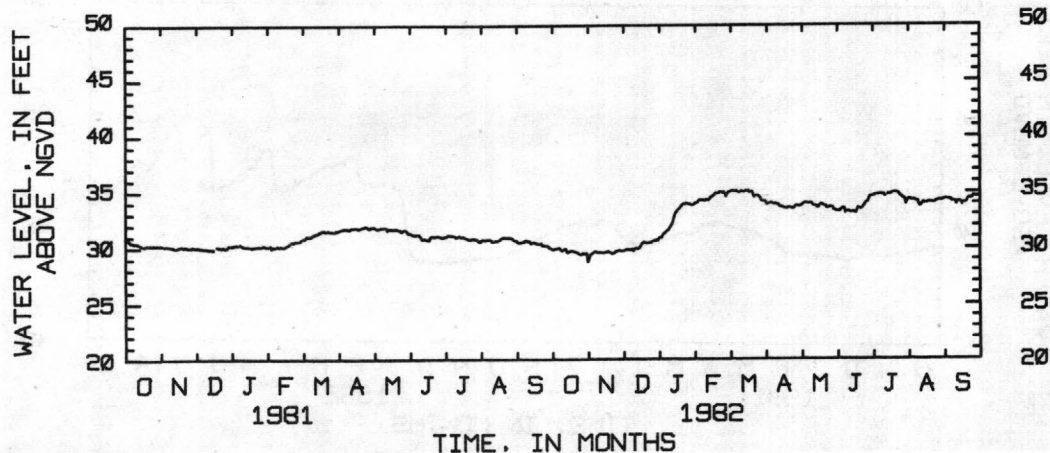
PERIOD OF RECORD.--November 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 50.95 ft (15.53 m) NGVD, March 26, 1975; lowest, 28.62 ft (8.72 m) NGVD, Oct. 31, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.75	28.89	29.62	30.78	33.83	34.81	33.86	33.57	33.06	34.39	34.10	34.10
2	29.79	29.22	29.69	30.78	33.90	34.86	33.65	33.65	33.06	34.44	34.12	34.15
3	29.81	29.33	29.70	30.94	34.06	34.88	33.70	33.73	33.03	34.49	34.09	34.12
4	29.84	29.41	29.73	31.12	34.07	34.87	33.75	33.79	33.15	34.53	34.01	34.09
5	29.85	29.49	29.71	31.14	34.06	34.86	33.79	33.79	33.25	34.55	34.02	34.10
6	29.88	29.56	29.69	31.25	34.09	34.86	33.83	33.79	33.32	34.56	34.02	34.02
7	29.85	29.53	29.72	31.37	34.01	34.89	33.71	33.74	33.29	34.58	33.98	33.90
8	29.69	29.48	29.75	31.42	34.01	34.75	33.66	33.80	32.93	34.58	33.93	33.94
9	29.64	29.46	29.59	31.60	34.10	34.74	33.74	33.77	33.02	34.57	33.89	33.90
10	29.72	29.48	29.79	31.75	34.07	34.79	33.65	33.76	33.03	34.55	33.61	33.88
11	29.79	29.47	29.83	31.93	34.05	34.85	33.64	33.60	33.03	34.55	33.45	33.62
12	29.78	29.46	29.79	32.20	34.16	34.84	33.59	33.53	32.98	34.38	33.55	33.85
13	29.52	29.42	29.78	32.59	34.34	34.76	33.44	33.50	32.93	34.46	33.69	33.89
14	29.47	29.44	29.86	32.91	34.36	34.82	33.45	33.48	32.98	34.52	33.82	33.88
15	29.58	29.51	30.02	33.03	34.44	34.89	33.40	33.36	33.00	34.60	33.73	33.82
16	29.61	29.49	30.19	33.20	34.56	34.89	33.36	33.40	32.92	34.57	33.76	33.56
17	29.60	29.55	30.30	33.29	34.67	34.88	33.30	33.60	32.87	34.59	33.77	33.74
18	29.61	29.53	30.35	33.42	34.64	34.72	33.33	33.66	33.10	34.65	33.83	33.81
19	29.55	29.46	30.32	33.57	34.67	34.80	33.27	33.64	33.37	34.70	33.84	33.77
20	29.50	29.38	30.29	33.67	34.73	34.80	33.38	33.57	33.28	34.74	33.82	33.85
21	29.48	29.32	30.29	33.73	34.80	34.57	33.41	33.50	33.24	34.74	33.82	34.07
22	29.43	29.39	30.32	33.70	34.76	34.32	33.37	33.49	33.27	34.70	33.79	34.18
23	29.36	29.42	30.34	33.77	34.74	34.45	33.30	33.34	33.41	34.62	33.79	34.17
24	29.28	29.56	30.33	33.75	34.79	34.46	33.30	33.34	33.54	34.54	33.86	34.21
25	29.28	29.59	30.43	33.71	34.62	34.45	33.32	33.43	33.69	34.43	33.94	34.22
26	29.35	29.63	30.49	33.68	34.36	34.38	33.48	33.42	33.86	34.37	33.95	34.40
27	29.39	29.65	30.51	33.61	34.61	34.26	33.56	33.42	33.90	34.22	34.02	34.37
28	29.31	29.61	30.51	33.62	34.75	34.03	33.52	33.39	34.12	34.20	34.04	34.34
29	29.38	29.57	30.58	33.63	---	33.95	33.54	33.12	34.33	34.06	34.00	34.35
30	29.38	29.63	30.54	33.70	---	33.92	33.48	33.15	34.40	33.63	34.03	34.36
31	28.62	---	30.72	33.83	---	33.98	---	33.05	---	33.99	34.07	---
MEAN	29.55	29.46	30.09	32.67	34.37	34.62	33.53	33.53	33.31	34.47	33.88	34.02
MAX	29.88	29.65	30.72	33.83	34.80	34.89	33.86	33.80	34.40	34.74	34.12	34.40
MIN	28.62	28.89	29.59	30.78	33.83	33.92	33.27	33.05	32.87	33.63	33.45	33.56

HYDROGRAPH



BERKELEY COUNTY

332630079592501. Local number, BRK-64, Cooper River Rediversion No. 3.

LOCATION.--Lat 33°26'30", long 79°59'25", Hydrologic Unit 03050112, at Intersection of state roads 6 and 35 west of U.S. Hwy. 52.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene sands.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in (0.10 m), depth 35 ft (10.67 m), screened interval 20 ft (6.10 m) to 35 ft (10.67 m).

DATUM.--Measuring point: Top of casing, 61.24 ft (18.66 m) National Geodetic Vertical Datum of 1929, 2.6 ft (0.79 m) above land surface.

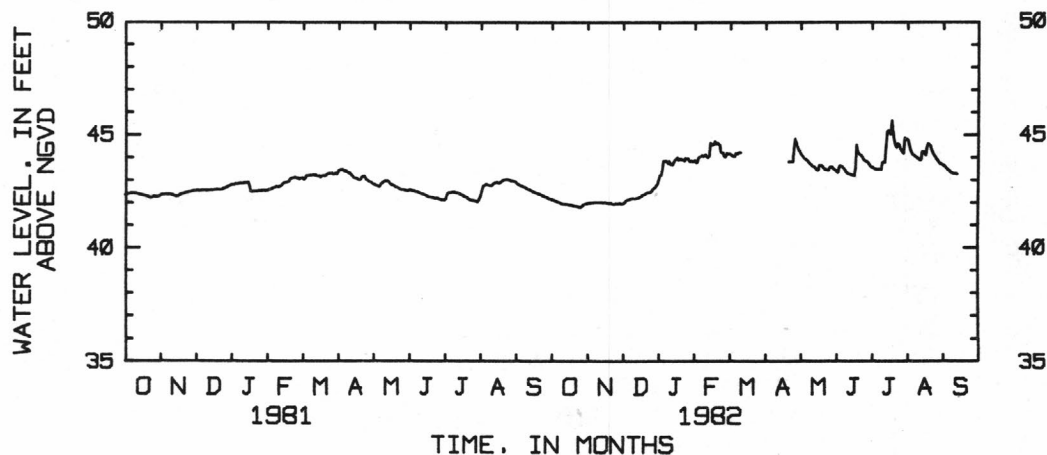
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 46.12 ft (14.06 m) NGVD, Mar. 30, 1980; lowest, 41.17 ft (12.55 m) NGVD, Nov. 25, 26, 27, 28, 1978.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.13	41.99	41.98	43.20	43.73	44.16	---	44.24	43.39	43.56	44.80	43.61
2	42.10	41.99	42.03	43.22	43.78	44.15	---	44.15	43.33	43.51	44.72	43.58
3	42.07	42.00	42.09	43.43	43.97	44.10	---	44.06	43.30	43.50	44.50	43.53
4	42.05	42.00	42.13	43.81	44.01	44.05	---	43.99	43.51	43.46	44.29	43.47
5	42.03	42.01	42.15	43.81	44.03	44.00	---	43.92	43.61	43.44	44.17	43.43
6	42.02	42.02	42.16	43.84	44.09	44.02	---	43.88	43.58	43.43	44.09	43.39
7	41.99	42.02	42.18	43.80	44.02	44.16	---	43.84	43.54	43.43	44.04	43.35
8	41.96	42.01	42.20	43.72	44.07	44.13	---	43.80	43.48	43.45	44.01	43.30
9	41.94	42.01	42.20	43.83	44.12	44.19	---	43.72	43.41	43.43	43.95	43.27
10	41.93	42.01	42.20	43.67	44.00	44.21	---	43.67	43.33	43.42	43.92	43.26
11	41.93	42.02	42.20	43.69	43.98	44.20	---	43.63	43.27	43.74	43.89	43.25
12	41.93	42.01	42.21	43.66	44.05	---	---	43.57	43.24	43.78	43.84	43.25
13	41.92	42.00	42.21	43.78	44.63	---	---	43.54	43.23	43.73	43.85	43.24
14	41.91	42.01	42.23	43.88	44.58	---	---	43.51	43.21	44.44	44.23	---
15	41.90	42.01	42.26	43.91	44.53	---	---	43.45	43.19	45.10	44.22	---
16	41.89	42.00	42.29	43.98	44.57	---	---	43.40	43.17	45.16	44.14	---
17	41.88	41.99	42.34	43.87	44.70	---	---	43.41	43.15	45.04	44.07	---
18	41.87	41.98	42.36	43.92	44.59	---	---	43.59	43.44	44.99	44.41	---
19	41.85	41.97	42.38	43.92	44.63	---	---	43.61	44.54	45.60	44.59	---
20	41.83	41.97	42.41	43.88	44.58	---	---	43.60	44.24	45.09	44.56	---
21	41.83	41.95	42.44	43.89	44.53	---	43.78	43.55	44.13	44.72	44.50	---
22	41.82	41.94	42.46	43.82	44.24	---	43.79	43.48	44.07	44.50	44.32	---
23	41.81	41.94	42.46	43.96	44.17	---	43.77	43.43	44.04	44.39	44.20	---
24	41.79	41.96	42.47	43.93	44.18	---	43.77	43.41	43.97	44.57	44.09	---
25	41.79	41.95	42.51	43.95	44.01	---	43.77	43.41	43.88	44.54	44.01	---
26	41.82	41.95	42.60	43.84	43.99	---	44.39	43.40	43.81	44.40	43.89	---
27	41.87	41.96	42.65	43.80	44.16	---	44.81	43.53	43.77	44.28	43.85	---
28	41.93	41.96	42.68	43.84	44.12	---	44.65	43.55	43.76	44.20	43.78	---
29	41.95	41.95	42.75	43.79	---	---	44.44	43.53	43.72	44.13	43.69	---
30	41.96	41.95	42.83	43.82	---	---	44.33	43.47	43.65	44.84	43.67	---
31	41.98	---	43.00	43.86	---	---	---	43.42	---	44.75	43.64	---
MEAN	41.93	41.98	42.36	43.78	44.22			43.64	43.60	44.21	44.13	
MAX	42.13	42.02	43.00	43.98	44.70			44.24	44.54	45.60	44.80	
MIN	41.79	41.94	41.98	43.20	43.73			43.40	43.15	43.42	43.64	

HYDROGRAPH



GROUND WATER LEVELS

BERKELEY COUNTY

332630079592500. Local number, BRK-65, Cooper River Rediversion No. 4.

LOCATION.--Lat 33°26'30", long 79°59'25", Hydrologic Unit 03050112, at Intersection of state roads 6 and 35 west of U.S. Hwy. 52.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene-Eocene limestones.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 130 ft (39.62 m), cased to 102 ft (31.09 m), open hole 102 ft (31.09 m).

DATUM.--Measuring point: Top of casing, 61.17 ft (18.64 m) National Geodetic Vertical Datum of 1929, 2.6 ft (0.79 m) above land surface.

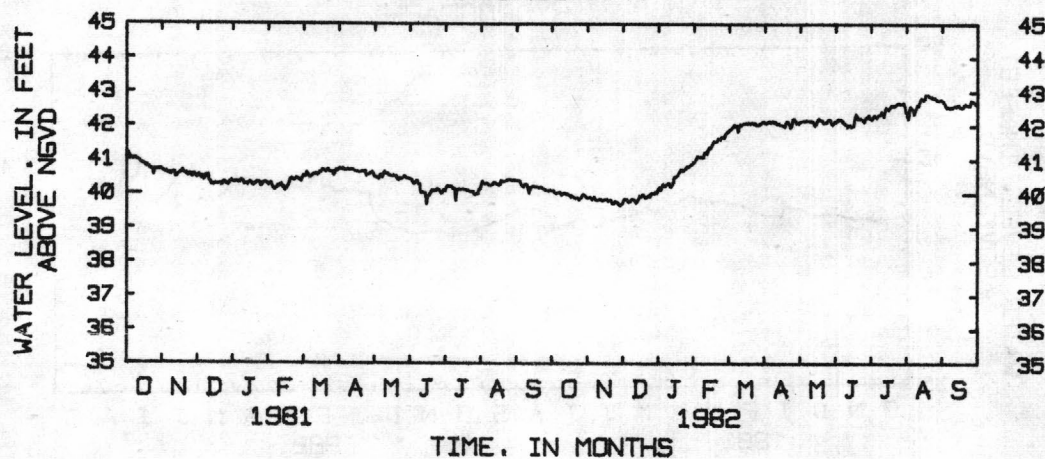
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 44.15 ft (13.46 m) NGVD, Apr. 14, 1977; lowest, 39.66 ft (12.09 m) NGVD, Nov. 28, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.10	39.90	39.80	40.20	40.99	41.86	42.15	42.08	42.14	42.26	42.41	42.78
2	40.11	39.91	39.86	40.12	41.04	41.87	42.11	42.13	42.14	42.21	42.40	42.74
3	40.04	39.90	39.85	40.19	41.13	41.92	42.12	42.15	42.16	42.22	42.20	42.67
4	40.03	39.84	39.85	40.30	41.12	41.93	42.10	42.17	42.22	42.27	42.51	42.59
5	40.05	39.88	39.78	40.24	41.10	41.97	42.15	42.18	42.20	42.32	42.59	42.56
6	40.06	39.93	39.76	40.23	41.12	41.99	42.17	42.16	42.21	42.27	42.53	42.56
7	40.06	39.84	39.79	40.29	41.10	42.06	42.11	42.18	42.17	42.25	42.49	42.54
8	40.05	39.82	39.85	40.30	41.10	41.99	42.14	42.17	42.12	42.32	42.35	42.55
9	39.98	39.82	39.85	40.34	41.24	42.03	42.17	42.17	42.09	42.33	42.45	42.56
10	40.00	39.84	39.83	40.27	41.25	41.85	42.10	42.17	42.06	42.35	42.56	42.56
11	40.03	39.85	39.82	40.21	41.19	42.00	42.14	42.17	42.05	42.43	42.63	42.58
12	40.03	39.85	39.74	40.26	41.28	42.07	42.07	42.16	41.98	42.38	42.61	42.60
13	40.01	39.81	39.78	40.36	41.38	42.04	42.08	42.15	42.03	42.29	42.73	42.59
14	39.99	39.82	39.84	40.52	41.37	42.08	42.09	42.11	42.04	42.44	42.83	42.60
15	39.98	39.83	39.95	40.50	41.41	42.10	42.05	42.02	41.98	42.56	42.83	42.63
16	39.96	39.85	39.93	40.55	41.49	42.09	42.04	42.07	42.00	42.53	42.77	42.58
17	39.92	39.85	39.94	40.57	41.57	42.11	42.03	42.16	42.02	42.49	42.81	42.57
18	39.94	39.80	40.00	40.63	41.55	42.09	42.03	42.24	42.21	42.55	42.94	42.55
19	39.92	39.82	39.95	40.69	41.57	42.12	41.99	42.20	42.36	42.60	42.93	42.56
20	39.89	39.83	39.89	40.74	41.58	42.09	42.11	42.18	42.29	42.62	42.93	42.60
21	39.89	39.75	39.90	40.69	41.66	42.09	42.15	42.18	42.22	42.60	42.90	42.66
22	39.90	39.71	39.94	40.70	41.65	42.12	42.12	42.10	42.23	42.59	42.88	42.63
23	39.88	39.73	39.97	40.74	41.63	42.09	42.06	42.11	42.24	42.63	42.87	42.62
24	39.83	39.79	39.93	40.76	41.69	42.09	41.97	42.13	42.21	42.65	42.85	42.62
25	39.88	39.76	40.02	40.82	41.69	42.09	42.04	42.12	42.18	42.67	42.84	42.61
26	39.91	39.75	40.03	40.82	41.67	42.06	42.23	42.19	42.13	42.70	42.83	42.76
27	39.99	39.69	40.03	40.83	41.77	42.04	42.23	42.21	42.20	42.67	42.80	42.74
28	39.99	39.66	40.02	40.87	41.82	42.05	42.17	42.17	42.26	42.67	42.76	42.71
29	39.95	39.69	40.07	40.90	---	42.08	42.11	42.07	42.27	42.66	42.77	42.71
30	39.92	39.71	40.04	40.92	---	42.10	42.12	42.06	42.32	42.70	42.78	42.66
31	39.88	---	40.14	40.96	---	42.14	---	42.10	---	42.59	42.78	---
MEAN	39.97	39.81	39.91	40.53	41.40	42.04	42.11	42.14	42.16	42.48	42.70	42.62
MAX	40.11	39.93	40.14	40.96	41.82	42.14	42.23	42.24	42.36	42.70	42.94	42.78
MIN	39.83	39.66	39.74	40.12	40.99	41.85	41.97	42.02	41.98	42.21	42.20	42.54

HYDROGRAPH



GROUND WATER LEVELS

265

BERKELEY COUNTY

332435079580500. Local number, BRK-66. Cooper River Rediversion No. 5.

LOCATION.--Lat 33°24'35", long 79°58'05", Hydrologic Unit 03050112, in fork of side roads connecting State Hwys 45 and 18.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene Sands.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in (0.15 m), depth 42 ft (12.8 m), cased to 32 ft (9.75 m), screened to 42 ft (12.8 m).

DATUM.--Measuring point: Top of casing, 96.40 ft (29.38 m) National Geodetic Vertical Datum of 1929, 12.46 ft (3.79 m) above land surface.

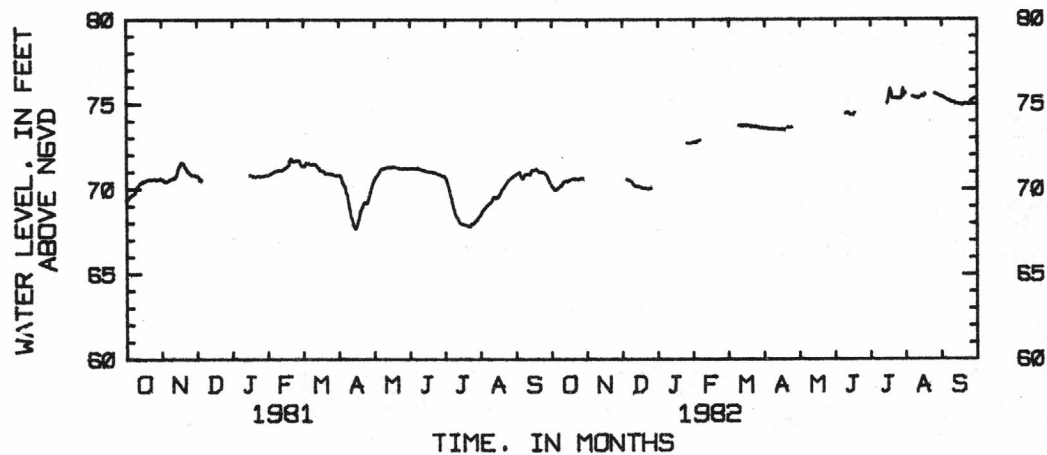
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 76.20 ft (23.22 m) NGVD, Dec. 1, 1978; lowest, 67.66 ft (20.62 m) NGVD, April 16, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70.22		---	---	72.79	---	73.61		---	---	75.67	75.43
2	70.06		---	---	72.81	---	73.60		---	---	---	75.41
3	69.96		---	---	72.86	---	73.60		---	---	---	75.38
4	69.96		70.59	---	72.87	---	73.58		---	---	---	75.31
5	70.01		70.56	---	72.88	---	73.57		---	---	---	75.26
6	70.04		70.52	---	---	---	73.58		---	---	---	75.22
7	70.11		70.51	---	---	---	73.53		---	---	75.44	75.19
8	70.18		70.48	---	---	---	73.54		---	---	75.43	75.16
9	70.23		70.43	---	---	---	73.58		---	---	75.40	75.12
10	70.33		70.32	---	---	---	73.55		74.44	---	75.39	75.10
11	70.42		70.23	---	---	73.76	73.54		74.49	---	75.37	75.09
12	70.49		70.18	---	---	73.77	73.53		74.54	---	75.34	75.08
13	70.50		70.16	---	---	73.77	73.53		74.53	---	75.38	75.04
14	70.46		70.17	---	---	73.77	73.53		74.43	---	---	75.02
15	70.49		70.18	---	---	73.77	73.52		74.37	---	75.51	75.01
16	70.54		70.14	---	---	73.76	73.50		74.39	75.10	75.45	75.00
17	70.57		70.10	---	---	73.77	73.50		74.42	75.09	75.46	74.97
18	70.61		70.09	---	---	73.75	73.51		74.47	75.52	75.58	74.95
19	70.63		70.06	---	---	73.75	73.49		---	75.92	---	74.93
20	70.62		70.06	---	---	73.75	---		---	75.69	---	74.96
21	70.61		70.06	---	---	73.74	---		---	75.33	---	75.05
22	70.62		70.04	---	---	73.72	73.64		---	75.33	---	75.02
23	70.62		70.03	---	---	73.71	73.65		---	75.33	---	74.98
24	70.61		70.03	---	---	73.70	73.65		---	75.33	---	74.97
25	70.63		70.05	72.72	---	73.71	73.67		---	75.33	---	74.96
26	70.65		---	72.73	---	73.70	---		---	75.33	75.61	75.16
27	70.64		---	72.72	---	73.68	---		---	75.33	75.59	75.23
28	---		---	72.74	---	73.65	---		---	75.32	75.56	75.25
29	---		---	72.75	---	73.63	---		---	75.42	75.52	75.29
30	---		---	72.76	---	73.62	---		---	75.93	75.49	75.33
31	---		---	72.79	---	73.62	---		---	75.51	75.46	---
MEAN												75.13
MAX												75.43
MIN												74.93

HYDROGRAPH



BERKELEY COUNTY

332435079580501. Local number, BRK-67, Cooper River Rediversion No. 6.

LOCATION.--Lat 33°24'35", long 79°58'05", Hydrologic Unit 03050112, in fork of side roads connecting State Hwys 45 and 18.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene-Eocene Limestones.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 173 ft (52.73 m) cased to 140 ft (42.67 m), open hole to 173 ft (52.73 m).

DATUM.--Measuring point: Top of casing, 96.95 ft (29.55 m) National Geodetic Vertical Datum of 1929, 3.0 ft (0.91 m) above land surface.

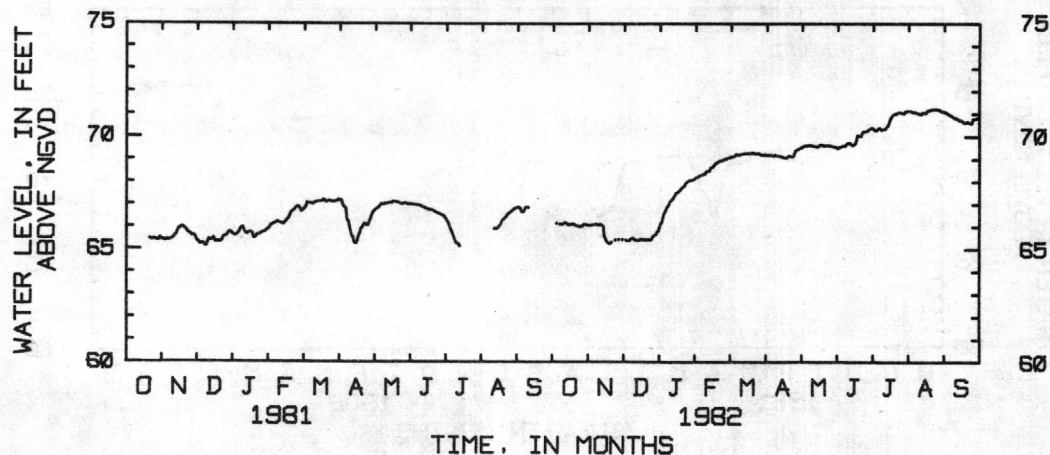
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 71.18 ft (21.69 m) NGVD, Aug. 23, 24, 25, 1982, lowest, 48.10 ft (14.66 m) NGVD, Sept. 18, 1975.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66.22	66.05	65.39	66.11	68.19	69.06	69.17	69.48	69.48	70.37	71.10	71.06
2	66.18	66.06	65.38	66.19	68.20	69.08	69.16	69.50	69.44	70.35	71.10	71.04
3	66.15	66.07	65.37	66.38	68.26	69.10	69.17	69.53	69.47	70.30	71.09	71.02
4	66.12	66.07	65.36	66.58	68.28	69.11	69.16	69.57	69.53	70.25	71.08	70.98
5	66.11	66.09	65.37	66.68	68.29	69.12	69.15	69.58	69.53	70.24	71.06	70.94
6	66.10	66.11	65.41	66.79	68.32	69.15	69.16	69.58	69.56	70.29	71.04	70.91
7	66.10	66.11	65.46	66.89	68.33	69.21	69.12	69.59	69.56	70.34	71.04	70.88
8	66.10	66.08	65.48	66.98	68.35	69.19	69.13	69.60	69.56	70.36	71.02	70.85
9	66.09	66.08	65.46	67.10	68.43	69.18	69.17	69.59	69.60	70.29	71.01	70.81
10	66.13	66.08	65.41	67.16	68.46	69.19	69.14	69.59	69.66	70.27	70.99	70.78
11	66.17	66.08	65.39	67.21	68.46	69.21	69.13	69.58	69.69	70.31	70.97	70.78
12	66.17	66.06	65.38	67.27	68.49	69.23	69.11	69.56	69.70	70.31	70.95	70.76
13	66.12	66.00	65.38	67.37	68.61	69.24	69.11	69.55	69.66	70.31	70.96	70.72
14	66.07	65.55	65.40	67.47	68.63	69.24	69.10	69.54	69.60	70.40	71.03	70.69
15	66.09	65.44	65.45	67.50	68.66	69.24	69.08	69.52	69.59	70.46	71.01	70.68
16	66.10	65.34	65.42	67.55	68.72	69.25	69.06	69.53	69.63	70.57	71.00	70.66
17	66.11	65.27	65.41	67.59	68.80	69.25	69.05	69.58	69.65	70.72	71.02	70.63
18	66.11	65.23	65.42	67.64	68.83	69.25	69.05	69.62	69.79	70.82	71.11	70.59
19	66.10	65.24	65.41	67.70	68.86	69.25	69.03	69.61	70.03	70.91	71.13	70.57
20	66.05	65.30	65.41	67.75	68.89	69.26	69.09	69.60	70.01	70.95	71.14	70.58
21	66.02	65.32	65.41	67.79	68.93	69.25	69.13	69.58	69.97	70.97	71.16	70.62
22	66.02	65.38	65.41	67.85	68.93	69.24	69.12	69.57	69.99	70.99	71.17	70.60
23	66.00	65.40	65.41	67.94	68.93	69.22	69.11	69.57	70.10	71.00	71.18	70.57
24	65.99	65.40	65.41	68.00	68.97	69.23	69.10	69.57	70.19	71.04	71.18	70.55
25	66.00	65.42	65.51	68.03	68.99	69.24	69.13	69.58	70.20	71.04	71.18	70.55
26	66.01	65.43	65.58	68.06	68.98	69.24	69.28	69.57	70.21	71.03	71.17	70.72
27	66.08	65.43	65.62	68.06	69.03	69.21	69.37	69.56	70.23	71.02	71.15	70.74
28	66.10	65.42	65.65	68.08	69.04	69.18	69.41	69.55	70.24	71.00	71.14	70.75
29	66.08	65.42	65.75	68.09	---	69.18	69.43	69.53	70.30	70.99	71.11	70.77
30	66.07	65.40	65.79	68.12	---	69.17	69.45	69.52	70.34	71.07	71.08	70.79
31	66.06	---	65.96	68.17	---	69.17	---	69.52	---	71.07	71.07	---
MEAN	66.09	65.68	65.47	67.42	68.64	69.20	69.16	69.56	69.82	70.65	71.08	70.75
MAX	66.22	66.11	65.96	68.17	69.04	69.26	69.45	69.62	70.34	71.07	71.18	71.06
MIN	65.99	65.23	65.36	66.11	68.19	69.06	69.03	69.48	69.44	70.24	70.95	70.55

HYDROGRAPH



BERKELEY COUNTY

332525079562000. Local number, BRK-68, Cooper River Rediversion No. 7.

LOCATION.--Lat 33°25'25", long 79°56'20", Hydrologic Unit 03050112, northwest of St. Stephens to State Hwy. 293, north across State Hwy. 64, dirt road to 0.5 mi (0.8 Km) south of Crawl Creek.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene sands.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in (0.15 m), depth 35 ft (10.67 m), cased to 25 ft (7.62 m), screened to 35 ft (10.67 m).

DATUM.--Measuring point: Top of casing, 52.18 ft (15.90 m), National Geodetic Vertical Datum of 1929, 2.50 ft (0.76 m) above land surface.

REMARKS.--Record estimated Mar. 3-10, 1982.

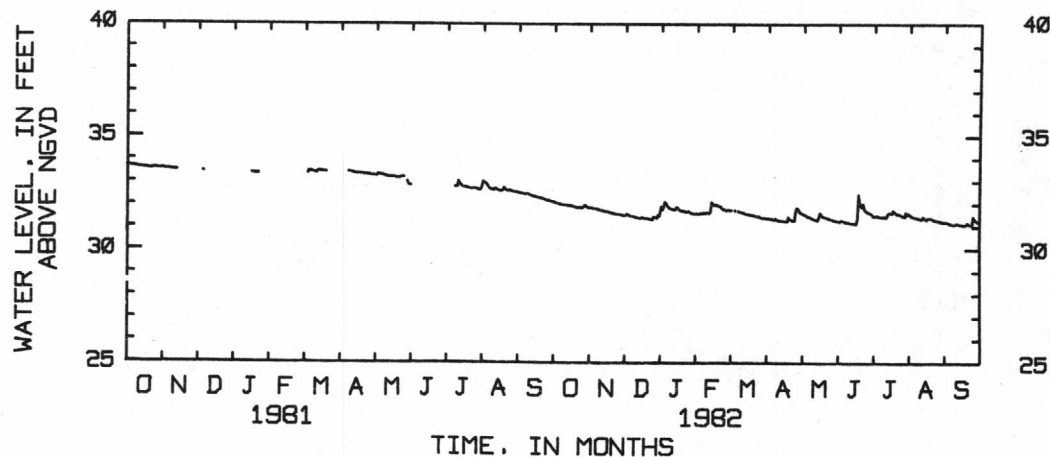
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.06 ft (10.99 m) NGVD, Oct. 30, 1975; lowest, 31.06 ft (9.47 m) NGVD, Sept. 18, 19, 1982.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.08	31.82	31.50	31.88	31.54	31.71	31.36	31.59	31.23	31.50	31.57	31.17
2	32.06	31.82	31.56	31.73	31.53	31.71	31.35	31.56	31.21	31.45	31.53	31.18
3	32.03	31.80	31.51	31.87	31.59	31.71	31.36	31.53	31.20	31.44	31.49	31.17
4	32.01	31.79	31.48	32.09	31.58	31.70	31.34	31.52	31.26	31.44	31.45	31.16
5	32.00	31.78	31.46	32.01	31.56	31.70	31.33	31.48	31.26	31.49	31.42	31.13
6	31.99	31.78	31.45	31.91	31.61	31.69	31.34	31.44	31.23	31.44	31.39	31.11
7	31.97	31.76	31.44	31.86	31.58	31.68	31.29	31.43	31.20	31.42	31.38	31.10
8	31.96	31.74	31.43	31.80	31.57	31.67	31.30	31.43	31.18	31.42	31.38	31.09
9	31.95	31.72	31.41	31.78	31.61	31.65	31.36	31.40	31.18	31.41	31.36	31.08
10	31.96	31.71	31.40	31.77	31.62	31.63	31.29	31.37	31.18	31.40	31.36	31.10
11	31.96	31.70	31.39	31.75	31.58	31.61	31.28	31.34	31.16	31.45	31.33	31.12
12	31.94	31.68	31.37	31.73	31.63	31.60	31.25	31.32	31.14	31.40	31.32	31.13
13	31.93	31.67	31.36	31.75	32.08	31.59	31.25	31.30	31.14	31.39	31.34	31.10
14	31.92	31.67	31.36	31.85	32.01	31.55	31.25	31.29	31.14	31.48	31.42	31.09
15	31.92	31.65	31.41	31.83	31.96	31.54	31.23	31.27	31.12	31.58	31.36	31.10
16	31.90	31.64	31.38	31.76	31.94	31.53	31.22	31.41	31.13	31.61	31.32	31.09
17	31.88	31.63	31.35	31.71	31.97	31.53	31.22	31.62	31.12	31.58	31.30	31.07
18	31.87	31.61	31.36	31.69	31.95	31.51	31.21	31.52	31.33	31.59	31.37	31.06
19	31.85	31.59	31.35	31.68	31.90	31.50	31.23	31.46	32.42	31.70	31.38	31.06
20	31.84	31.58	31.34	31.68	31.88	31.51	31.42	31.43	32.06	31.65	31.36	31.09
21	31.84	31.57	31.33	31.67	31.87	31.49	31.33	31.41	31.92	31.60	31.35	31.15
22	31.84	31.55	31.32	31.63	31.80	31.47	31.30	31.39	31.85	31.55	31.32	31.11
23	31.83	31.54	31.31	31.65	31.75	31.45	31.27	31.38	32.00	31.54	31.29	31.07
24	31.82	31.54	31.29	31.68	31.75	31.45	31.26	31.35	31.79	31.55	31.27	31.07
25	31.84	31.53	31.42	31.64	31.73	31.45	31.27	31.34	31.71	31.51	31.26	31.07
26	31.87	31.52	31.42	31.60	31.69	31.43	31.68	31.32	31.65	31.48	31.24	31.43
27	31.94	31.52	31.38	31.57	31.74	31.40	31.83	31.32	31.61	31.46	31.23	31.34
28	31.91	31.50	31.35	31.56	31.73	31.38	31.79	31.29	31.60	31.44	31.21	31.26
29	31.85	31.49	31.51	31.55	---	31.37	31.69	31.26	31.58	31.42	31.20	31.22
30	31.82	31.48	31.45	31.55	---	31.37	31.63	31.25	31.54	31.63	31.18	31.19
31	31.82	---	31.63	31.57	---	31.37	---	31.24	---	31.51	31.17	---
MEAN	31.92	31.65	31.41	31.74	31.74	31.55	31.36	31.40	31.44	31.50	31.34	31.14
MAX	32.08	31.82	31.63	32.09	32.08	31.71	31.83	31.62	32.42	31.70	31.57	31.43
MIN	31.82	31.48	31.29	31.55	31.53	31.37	31.21	31.24	31.12	31.39	31.17	31.06

HYDROGRAPH



GROUND WATER LEVELS

BERKELEY COUNTY

332525079562001. Local number, BRK-69, Cooper River Rediversion No. 8.

LOCATION.--Lat 33°25'25", long 79°56'20", Hydrologic Unit 03050112, northwest of St. Stephens, 0.5 mi (0.8 Km) south of Crawl Creek.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene -Eocene Limestones.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 113 ft (34.44 m), cased to 73 ft (22.25 m), open hole 73 ft (22.25 m) to 113 ft (34.44 m).

DATUM.--Measuring point: Top of casing, 53.39 ft (16.27 m) National Geodetic Vertical Datum of 1929, 3.8 ft (1.16 m) above land surface.

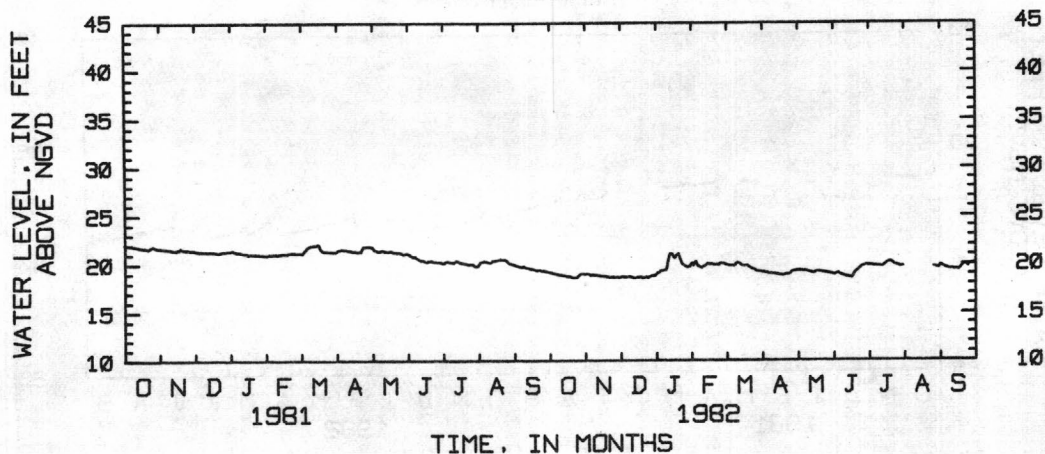
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 41.44 ft (12.63 m) NGVD, April 6, 1977; lowest, 18.53 ft (5.65 m) NGVD, Dec. 19, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.16	19.00	18.67	19.09	19.83	19.90	19.17	19.30	18.92	19.88	---	19.81
2	19.14	19.01	18.70	19.09	20.16	19.88	19.13	19.32	18.88	19.84	---	19.84
3	19.07	18.99	18.68	19.19	20.23	19.86	19.14	19.33	18.91	19.85	---	19.74
4	19.03	18.89	18.68	19.33	19.93	19.82	19.08	19.32	18.99	19.86	---	19.66
5	19.01	18.87	18.64	19.32	19.75	19.81	19.06	19.30	19.05	19.85	---	19.59
6	19.02	18.91	18.64	19.34	19.71	19.79	19.07	19.28	19.01	19.79	---	19.54
7	18.99	18.90	18.68	19.39	19.61	19.83	18.97	19.28	18.91	19.78	---	19.51
8	18.94	18.88	18.69	19.34	19.59	19.78	18.99	19.28	18.85	19.78	---	19.47
9	18.92	18.87	18.61	19.52	19.69	19.89	19.04	19.24	18.79	19.77	---	19.43
10	18.91	18.85	18.61	20.21	19.77	20.06	18.96	19.20	18.74	19.77	---	19.43
11	18.89	18.83	18.54	20.77	19.83	20.11	18.97	19.17	18.69	19.79	---	19.45
12	18.87	18.82	18.55	21.05	19.91	20.07	18.94	19.13	18.63	19.76	---	19.44
13	18.86	18.77	18.55	21.07	20.04	19.99	18.93	19.10	18.62	19.73	---	19.41
14	18.81	18.77	18.60	21.01	19.99	19.89	18.92	19.07	18.60	19.77	---	19.40
15	18.78	18.78	18.65	20.71	19.97	19.84	18.89	19.04	18.57	19.86	---	19.40
16	18.77	18.77	18.62	20.61	19.98	19.77	18.85	19.06	18.56	19.97	---	19.37
17	18.73	18.73	18.64	20.86	19.99	19.77	18.84	19.17	18.53	20.06	---	19.33
18	18.72	18.70	18.63	20.98	19.91	19.82	18.83	19.23	18.67	20.14	---	19.45
19	18.68	18.67	18.53	21.06	19.88	19.86	18.80	19.22	18.96	20.21	---	19.62
20	18.62	18.68	18.57	20.73	19.91	19.74	18.86	19.20	19.11	20.23	---	19.77
21	18.61	18.62	18.62	20.43	19.95	19.64	18.90	19.19	19.23	20.21	---	19.90
22	18.60	18.63	18.65	20.04	19.88	19.55	18.93	19.15	19.30	20.12	---	19.95
23	18.61	18.64	18.62	19.93	19.88	19.48	18.91	19.12	19.42	20.00	---	19.95
24	18.63	18.66	18.57	19.83	20.02	19.43	18.93	19.10	19.53	19.92	---	19.82
25	18.81	18.62	18.67	19.72	20.08	19.41	18.97	19.10	19.65	19.86	---	19.69
26	18.92	18.61	18.74	19.67	20.03	19.35	19.11	19.07	19.74	19.84	19.70	19.90
27	19.01	18.64	18.79	19.62	20.03	19.25	19.22	19.05	19.80	19.80	19.69	20.01
28	19.02	18.65	18.78	19.72	19.96	19.20	19.26	19.03	19.86	19.76	19.67	20.03
29	19.01	18.62	18.83	19.73	---	19.19	19.25	19.01	19.90	19.71	19.61	20.04
30	18.99	18.63	18.83	20.01	---	19.19	19.27	18.98	19.91	19.76	19.57	20.05
31	18.98	---	18.97	20.10	---	19.18	---	18.95	---	19.76	19.57	---
MEAN	18.87	18.77	18.66	20.05	19.91	19.69	19.01	19.16	19.08	19.88	---	19.67
MAX	19.16	19.01	18.97	21.07	20.23	20.11	19.27	19.33	19.91	20.23	---	20.05
MIN	18.60	18.61	18.53	19.09	19.59	19.18	18.80	18.95	18.53	19.71	---	19.33

HYDROGRAPH



BERKELEY COUNTY

332425079535000. Local number, BRK-70, Cooper River Rediversion No. 11.

LOCATION.--Lat 33°24'25", long 79°53'50", Hydrologic Unit 03050112, 1.3 mi (2.1 Km) east of St. Stephens on State Hwy 45, left on dirt road under power lines, 1000 ft (305 m) north of highway.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene Sands.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in (0.15 m), depth 35 ft (10.67 m), screened interval 20 ft (6.1 m) to 35 ft (10.67 m).

DATUM.--Measuring point: Top of casing, 79.97 ft (24.37 m) National Geodetic Vertical Datum of 1929, 2.79 ft (0.85 m) above land surface.

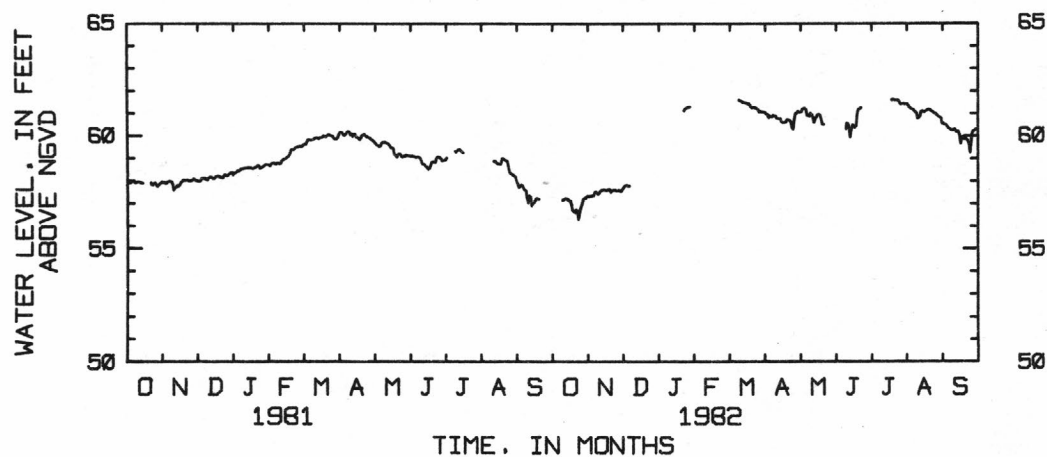
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 62.49 ft (19.06 m) NGVD, April 4, 1980; lowest, 56.31 ft (17.16 m) NGVD, Oct. 23, 1981.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	57.29	57.69	---	---	---	61.01	61.02	---	---	61.38	60.49
2	---	57.33	57.77	---	---	---	61.00	61.01	---	---	61.37	60.52
3	---	57.33	57.81	---	---	---	60.92	61.06	---	---	61.30	60.44
4	---	57.35	57.81	---	---	---	60.91	61.17	---	---	61.22	60.45
5	---	57.37	57.77	---	---	---	60.77	61.20	---	---	61.16	60.39
6	---	57.49	57.77	---	---	---	60.87	61.21	---	---	61.14	60.31
7	---	57.50	---	---	---	---	60.82	61.13	---	---	61.11	60.28
8	---	57.44	---	---	---	---	60.80	60.87	---	---	61.06	60.24
9	57.14	57.40	---	---	---	---	60.88	60.92	---	---	61.01	60.20
10	57.16	57.46	---	---	---	61.55	60.84	60.82	60.27	---	60.95	60.19
11	57.19	57.55	---	---	---	61.54	60.84	60.97	60.53	---	60.73	60.24
12	57.21	57.58	---	---	---	61.52	60.74	60.90	60.50	---	60.76	60.26
13	57.20	57.60	---	---	---	61.48	60.73	60.77	60.31	---	60.84	60.15
14	57.17	57.61	---	---	---	61.45	60.72	60.55	59.93	---	61.05	60.14
15	57.11	57.58	---	---	---	61.44	60.74	60.70	60.27	---	61.08	60.15
16	57.09	57.57	---	---	---	61.42	60.60	60.80	60.46	---	61.04	59.96
17	56.94	57.59	---	---	---	61.43	60.55	60.90	60.43	---	61.03	59.62
18	56.66	57.62	---	---	---	61.39	60.56	60.93	60.34	---	61.07	59.91
19	56.65	57.61	---	---	---	61.38	60.57	60.88	60.40	61.56	61.12	59.84
20	56.56	57.48	---	---	---	61.33	60.59	60.72	61.00	61.61	61.14	59.82
21	56.70	57.56	---	---	---	61.24	60.69	60.47	61.15	61.59	61.13	59.92
22	56.66	57.59	---	61.09	---	61.22	60.68	60.47	61.18	61.57	61.10	59.80
23	56.31	57.58	---	61.18	---	61.24	60.65	---	61.23	61.56	61.05	59.74
24	56.60	57.59	---	61.23	---	61.22	60.58	---	---	61.57	61.02	59.59
25	56.81	57.55	---	61.25	---	61.20	60.34	---	---	61.55	60.96	59.22
26	56.96	57.55	---	61.27	---	61.16	60.26	---	---	61.50	60.94	59.86
27	57.17	57.59	---	61.27	---	61.12	60.71	---	---	61.37	60.90	60.15
28	57.22	57.52	---	---	---	61.03	60.97	---	---	61.39	60.85	60.20
29	57.24	57.53	---	---	---	61.05	60.98	---	---	61.38	60.80	60.24
30	57.30	57.62	---	---	---	61.03	61.07	---	---	61.40	60.76	60.27
31	57.32	---	---	---	---	61.02	---	---	---	61.37	60.72	---
MEAN		57.51					60.75				61.03	60.09
MAX		57.62					61.07				61.38	60.52
MIN		57.29					60.26				60.72	59.22

HYDROGRAPH



GROUND WATER LEVELS

BERKELEY COUNTY

332425079535001. Local number, BRK-71, Cooper River Rediversion No. 12.

LOCATION.--Lat 33°24'25", long 79°53'50", Hydrologic Unit 03050112, 1.3 mi (2.1 Km) east of St. Stephens on State Hwy 45, left on dirt road under power lines, and 1000 ft (305 m) north of highway.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene-Eocene Limestones.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m), depth 143 ft (43.59 m), cased to 125 ft (38.1 m), open hole to 140 ft (43.59 m).

DATUM.--Measuring point: Top of casing, 80.41 ft (24.50 m) National Geodetic Vertical Datum of 1929, 3.09 ft (0.91 m) above land surface.

REMARKS.--Record estimated Mar. 15-21, 1982.

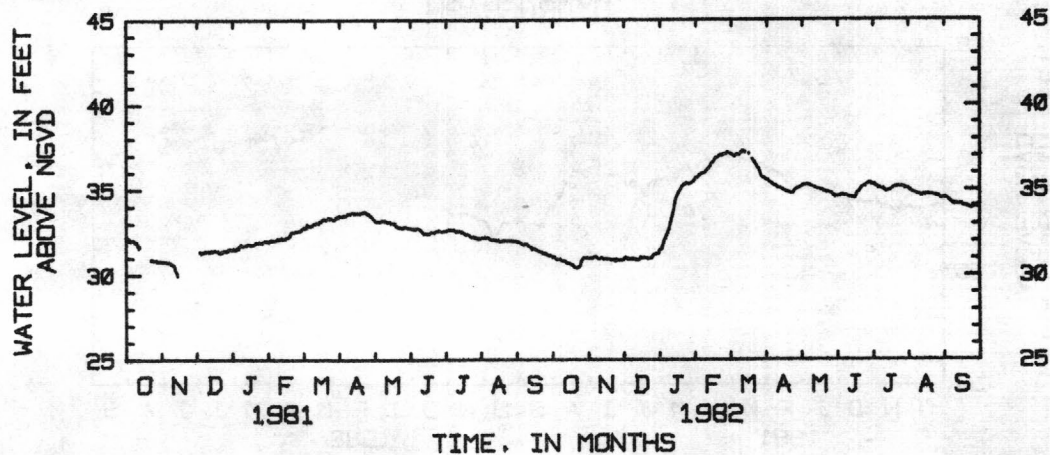
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 44.23 ft (13.48 m) NGVD, Jan. 24, 1977; lowest, 30.01 ft (9.15 m) NGVD, Nov. 14, 1980.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.12	31.01	30.98	31.55	35.72	37.14	35.59	35.17	34.61	35.36	35.07	34.55
2	31.10	31.01	31.06	31.53	35.79	37.12	35.54	35.20	34.62	35.30	35.02	34.53
3	31.02	31.04	31.00	31.76	35.91	37.07	35.55	35.27	34.63	35.31	34.96	34.50
4	30.96	31.05	31.00	32.05	35.94	37.01	35.46	35.29	34.66	35.27	34.88	34.47
5	30.93	31.09	30.95	32.16	35.97	36.96	35.41	35.28	34.67	35.20	34.85	34.39
6	30.95	31.13	30.95	32.33	36.01	37.05	35.39	35.30	34.72	35.16	34.83	34.34
7	30.96	31.07	30.96	32.51	36.00	37.12	35.29	35.30	34.67	35.12	34.81	34.26
8	30.90	31.00	31.00	32.68	36.04	37.04	35.26	35.28	34.65	35.09	34.79	34.22
9	30.86	30.98	30.97	32.97	36.17	37.08	35.21	35.26	34.67	35.08	34.75	34.15
10	30.88	31.01	30.96	33.26	36.22	37.16	35.24	35.20	34.64	35.05	34.72	34.17
11	30.83	31.04	30.95	33.50	36.28	37.25	35.17	35.18	34.58	35.07	34.69	34.19
12	30.77	31.02	30.88	33.78	36.38	37.30	35.09	35.15	34.56	34.98	34.66	34.17
13	30.74	30.95	30.87	34.18	36.54	37.25	35.08	35.13	34.58	34.91	34.65	34.13
14	30.74	30.98	30.95	34.53	36.60	37.26	35.06	35.08	34.54	34.91	34.72	34.16
15	30.70	30.97	31.07	34.66	36.67	37.27	35.02	35.05	34.52	34.94	34.73	34.18
16	30.67	30.97	31.01	34.83	36.80	37.22	34.99	35.03	34.50	34.95	34.68	34.16
17	30.59	30.99	31.01	34.96	36.92	37.15	34.94	35.02	34.49	34.98	34.71	34.08
18	30.59	30.94	31.07	35.06	36.88	37.05	34.93	35.03	34.68	35.04	34.75	34.04
19	30.51	30.92	31.02	35.21	36.94	36.92	34.87	34.98	34.83	35.10	34.73	34.04
20	30.44	30.92	31.00	35.27	37.00	36.80	34.87	34.96	34.89	35.17	34.72	34.02
21	30.43	30.90	30.99	35.36	37.07	36.72	34.84	34.91	34.95	35.17	34.72	34.02
22	30.45	30.88	31.01	35.33	37.03	36.65	34.83	34.89	35.06	35.17	34.71	33.99
23	30.45	30.84	31.02	35.42	37.06	36.50	34.78	34.86	35.16	35.18	34.68	33.92
24	30.55	30.95	31.00	35.41	37.14	36.40	34.79	34.84	35.20	35.21	34.66	33.88
25	30.80	30.90	31.11	35.33	37.14	36.29	34.82	34.84	35.24	35.20	34.67	33.91
26	30.94	30.88	31.19	35.38	37.14	36.21	34.95	34.83	35.26	35.19	34.64	34.08
27	31.04	30.88	31.23	35.42	37.24	36.05	35.03	34.81	35.32	35.21	34.61	34.07
28	31.04	30.90	31.23	35.49	37.19	35.82	35.05	34.76	35.38	35.19	34.57	34.04
29	31.04	30.87	31.31	35.53	---	35.71	35.07	34.68	35.43	35.14	34.51	34.07
30	31.02	30.90	31.28	35.61	---	35.72	35.11	34.64	35.41	35.09	34.48	34.07
31	31.00	---	31.46	35.73	---	35.67	---	34.56	---	35.07	34.54	---
MEAN	30.81	30.97	31.05	34.15	36.56	36.77	35.11	35.03	34.84	35.12	34.73	34.16
MAX	31.12	31.13	31.46	35.73	37.24	37.30	35.59	35.30	35.43	35.36	35.07	34.55
MIN	30.43	30.84	30.87	31.53	35.72	35.67	34.78	34.56	34.49	34.91	34.48	33.88

HYDROGRAPH



GROUND WATER LEVELS

271

BERKELEY COUNTY

332320079550000. Local number, BRK-74, Cooper River Rediversion No. 9.

LOCATION.--Lat 33°23'20", long 79°55'00", Hydrologic Unit 03050112, in intersection of State Hwys. 40 and 351 south of St. Stephens.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Pleistocene Sands.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in (0.15 m), depth 30 ft (9.14 m), cased to 20 ft (6.10 m), screened 20 ft (6.10 m) to 30 ft (9.14 m).

DATUM.--Measuring point: Top of casing, 80.69 ft (24.59 m) National Geodetic Vertical Datum of 1929, 3.27 ft (1.0 m) above land surface.

REMARKS.--Record estimated Dec. 12-15, 1981, Jan. 12-20, Jan. 27 - March 9, May 6 - June 9, June 28 - July 14, 1982.

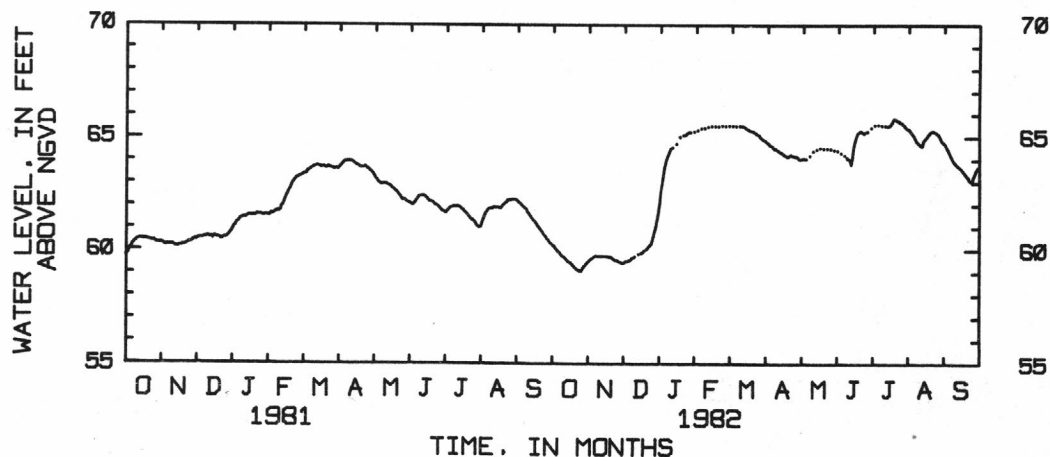
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 66.77 ft (20.35 m) NGVD, Jan. 10, 1977; lowest, 58.54 ft (17.84 m) NGVD, Nov. 29, 1978.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.22	59.54	59.45	62.57	65.30	65.50	64.78	64.05	64.39	65.45	65.35	64.70
2	60.16	59.59	59.51	62.90	65.32	65.50	64.73	64.05	64.37	65.50	65.31	64.65
3	60.08	59.62	59.50	63.25	65.36	65.49	64.70	64.06	64.35	65.53	65.25	64.54
4	60.01	59.65	59.52	63.63	65.38	65.49	64.63	64.03	64.30	65.55	65.17	64.44
5	59.95	59.70	59.54	63.85	65.38	65.48	64.61	64.03	64.25	65.56	65.10	64.34
6	59.89	59.74	59.56	64.05	65.40	65.48	64.59	64.08	64.20	65.55	65.04	64.23
7	59.84	59.74	59.60	64.20	65.40	65.49	64.51	64.10	64.20	65.55	64.93	64.12
8	59.77	59.72	59.66	64.32	65.40	65.50	64.47	64.18	64.17	65.50	64.82	64.02
9	59.71	59.73	59.68	64.45	65.43	65.49	64.48	64.22	64.10	65.50	64.75	63.92
10	59.67	59.73	59.71	64.53	65.45	65.49	64.43	64.30	64.03	65.50	64.71	63.85
11	59.64	59.74	59.75	64.55	65.49	65.49	64.39	64.38	64.03	65.49	64.66	63.79
12	59.59	59.73	59.80	64.59	65.49	65.48	64.36	64.43	63.98	65.49	64.60	63.74
13	59.53	59.72	59.83	64.65	65.48	65.45	64.33	64.45	63.80	65.48	64.59	63.70
14	59.48	59.72	59.85	64.70	65.47	65.41	64.30	64.46	64.06	65.48	64.80	63.65
15	59.44	59.72	59.86	64.80	65.48	65.37	64.27	64.45	64.52	65.47	64.89	63.61
16	59.41	59.71	59.88	64.90	65.48	65.34	64.23	64.50	64.77	65.51	64.95	63.56
17	59.35	59.71	59.91	65.00	65.48	65.31	64.19	64.52	64.94	65.55	64.99	63.49
18	59.31	59.69	59.97	65.05	65.49	65.28	64.16	64.50	65.11	65.62	65.08	63.42
19	59.25	59.67	60.00	65.08	65.47	65.27	64.12	64.48	65.20	65.72	65.15	63.36
20	59.19	59.66	60.04	65.08	65.48	65.25	64.15	64.50	65.25	65.80	65.21	63.29
21	59.14	59.61	60.09	65.09	65.50	65.23	64.20	64.49	65.27	65.81	65.25	63.23
22	59.11	59.58	60.16	65.09	65.50	65.20	64.22	64.48	65.24	65.75	65.26	63.17
23	59.08	59.55	60.22	65.16	65.49	65.16	64.18	64.50	65.20	65.71	65.26	63.08
24	59.04	59.56	60.27	65.21	65.50	65.11	64.18	64.50	65.16	65.70	65.24	63.04
25	59.06	59.53	60.43	65.22	65.48	65.09	64.15	64.49	65.22	65.66	65.21	62.99
26	59.13	59.49	60.62	65.22	65.50	65.05	64.14	64.48	65.24	65.62	65.15	63.19
27	59.22	59.47	60.85	65.23	65.49	64.98	64.12	64.47	65.25	65.60	65.10	63.31
28	59.30	59.46	61.06	65.23	65.49	64.93	64.08	64.45	65.30	65.56	65.03	63.45
29	59.37	59.42	61.35	65.25	---	64.89	64.02	64.43	65.33	65.51	64.91	63.56
30	59.43	59.42	61.65	65.28	---	64.85	64.01	64.42	65.40	65.43	64.81	63.66
31	59.48	---	62.08	65.30	---	64.83	---	64.40	---	65.37	64.75	---
MEAN	59.51	59.63	60.11	64.63	65.45	65.29	64.32	64.35	64.69	65.57	65.01	63.70
MAX	60.22	59.74	62.08	65.30	65.50	65.50	64.78	64.52	65.40	65.81	65.35	64.70
MIN	59.04	59.42	59.45	62.57	65.30	64.83	64.01	64.03	63.80	65.37	64.59	62.99

HYDROGRAPH



GROUND WATER LEVELS

BERKELEY COUNTY

332320079550001. Local number, BRK-75, Cooper River Rediversion No. 10.

LOCATION.--Lat 33°23'20", long 79°55'00", Hydrologic Unit 03050112, in intersection of State Hwys. 40 and 351 south of St. Stephens.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Eocene Limestones.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in (0.15 m), depth 140 ft (42.67 m) cased to 120 ft (36.58 m), open hole to 140 ft (42.67 m).

DATUM.--Measuring point: Top of casing, 80.74 ft (24.60 m) National Geodetic Vertical Datum of 1929, 3.43 ft (1.05 m) above land surface.

REMARKS.--Record estimated Oct. 1-29, 1981.

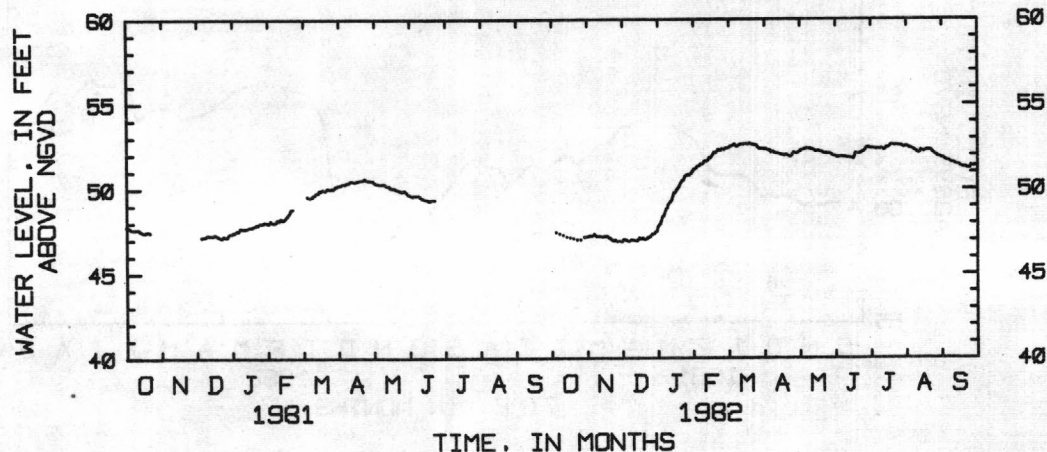
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 56.42 ft (17.20 m) NGVD, Jan. 28, 1977; lowest, 47.13 ft (14.36 m) NGVD, Dec. 22, 1980.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47.60	47.23	47.00	47.91	51.21	52.45	52.39	52.18	51.94	52.41	52.50	51.84
2	47.55	47.26	47.06	47.95	51.26	52.45	52.36	52.23	51.90	52.38	52.50	51.82
3	47.50	47.26	47.01	48.16	51.37	52.53	52.39	52.28	51.86	52.40	52.47	51.77
4	47.48	47.27	47.00	48.39	51.39	52.56	52.32	52.32	51.87	52.39	52.43	51.71
5	47.47	47.31	46.96	48.45	51.43	52.58	52.31	52.33	51.88	52.39	52.40	51.68
6	47.44	47.37	46.94	48.62	51.50	52.62	52.30	52.35	51.89	52.37	52.38	51.67
7	47.40	47.31	46.98	48.80	51.49	52.67	52.17	52.39	51.88	52.36	52.34	51.65
8	47.38	47.24	47.03	48.92	51.54	52.55	52.19	52.42	51.88	52.38	52.30	51.60
9	47.33	47.24	47.00	49.13	51.67	52.53	52.24	52.38	51.87	52.37	52.26	51.54
10	47.30	47.24	47.01	49.20	51.69	52.58	52.13	52.38	51.87	52.35	52.21	51.53
11	47.29	47.24	46.99	49.29	51.66	52.62	52.13	52.38	51.85	52.40	52.17	51.53
12	47.25	47.21	46.97	49.38	51.73	52.66	52.09	52.34	51.83	52.35	52.12	51.49
13	47.22	47.20	46.96	49.60	51.87	52.67	52.09	52.33	51.83	52.30	52.16	51.44
14	47.20	47.23	47.04	49.80	51.85	52.66	52.08	52.30	51.84	52.34	52.29	51.43
15	47.17	47.24	47.14	49.82	51.93	52.68	52.05	52.25	51.81	52.42	52.25	51.41
16	47.14	47.25	47.07	49.95	52.05	52.68	52.01	52.22	51.80	52.46	52.22	51.38
17	47.12	47.25	47.07	50.04	52.18	52.70	52.00	52.25	51.77	52.46	52.21	51.32
18	47.10	47.19	47.13	50.15	52.14	52.67	51.99	52.25	51.94	52.51	52.27	51.30
19	47.09	47.13	47.08	50.30	52.19	52.68	51.96	52.21	52.12	52.59	52.30	51.26
20	47.07	47.12	47.05	50.42	52.26	52.71	52.00	52.20	52.07	52.61	52.30	51.26
21	47.07	47.03	47.07	50.53	52.37	52.68	52.00	52.19	52.07	52.59	52.31	51.26
22	47.05	46.97	47.13	50.54	52.31	52.65	51.97	52.13	52.08	52.57	52.28	51.25
23	47.03	46.96	47.18	50.73	52.31	52.63	51.91	52.10	52.12	52.58	52.26	51.20
24	47.02	47.02	47.18	50.82	52.39	52.61	51.91	52.09	52.15	52.60	52.18	51.20
25	47.05	46.96	47.28	50.85	52.37	52.60	51.95	52.10	52.19	52.57	52.11	51.20
26	47.12	46.93	47.33	50.88	52.34	52.58	52.11	52.08	52.24	52.56	52.05	51.37
27	47.14	46.96	47.38	50.86	52.43	52.47	52.16	52.09	52.31	52.56	52.01	51.34
28	47.18	46.96	47.40	50.92	52.44	52.38	52.13	52.07	52.43	52.55	51.94	51.32
29	47.20	46.92	47.51	50.98	---	52.38	52.11	52.02	52.45	52.51	51.89	51.34
30	47.21	46.93	47.53	51.07	---	52.38	52.13	51.97	52.45	52.48	51.89	51.37
31	47.22	---	47.76	51.20	---	52.39	---	51.94	---	52.48	51.86	---
MEAN	47.24	47.15	47.14	49.80	51.91	52.58	52.12	52.22	52.01	52.46	52.22	51.45
MAX	47.60	47.37	47.76	51.20	52.44	52.71	52.39	52.42	52.45	52.61	52.50	51.84
MIN	47.02	46.92	46.94	47.91	51.21	52.38	51.91	51.94	51.77	52.30	51.86	51.20

HYDROGRAPH



GROUND WATER LEVELS

273

BERKELEY COUNTY

332350079511001. Local number, BRK-78, Cooper River Rediversion No. 18.

LOCATION.--Lat 33°23'50", long 79°51'10", Hydrologic Unit 03050112, 4.0 mi (6.4 km) east of St. Stephens on State Road 45 near intersection with State Road 310, and 1000 ft (305 m) from Santee River bank.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Paleocene-Eocene Limestones.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 86 ft (26.21 m) casing to 56 ft (17.07 m) open hole to 86 ft (26.2 m).

DATUM.--Measuring point: Top of casing, 33.73 ft (10.28 m) National Geodetic Vertical Datum of 1929, 2.86 ft (0.87 m) above land surface.

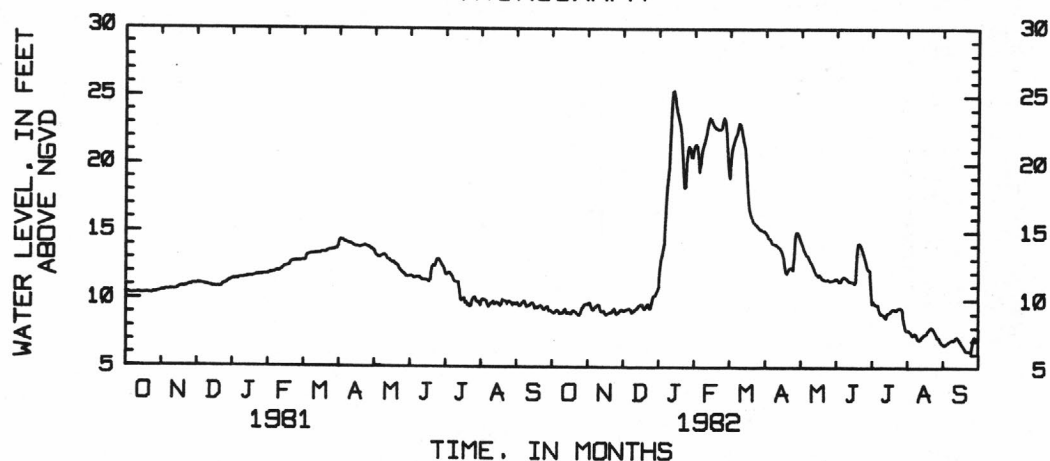
PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 27.84 ft (8.49 m) NGVD, April 4, 1980; lowest, 6.15 ft (1.87 m) NGVD, Sept. 25, 1982.

DEPTH ABOVE NGVD (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.12	9.72	9.18	12.17	21.37	19.36	14.96	14.51	11.51	10.74	7.76	6.76
2	9.03	9.75	9.20	12.88	21.27	18.88	14.88	14.28	11.49	9.68	7.84	6.66
3	9.07	9.48	9.26	13.22	20.39	20.34	14.75	14.04	11.41	9.88	7.75	6.74
4	9.18	9.28	9.28	13.67	19.33	21.06	14.53	13.80	11.28	9.73	7.66	6.79
5	9.24	9.24	9.32	14.08	19.88	21.37	14.44	13.57	11.30	9.65	7.55	6.87
6	9.14	9.39	9.32	16.05	20.77	21.67	14.36	13.39	11.48	9.60	7.40	6.95
7	8.97	9.46	9.23	17.86	21.17	21.95	14.18	13.24	11.63	9.62	7.46	7.01
8	8.99	9.53	9.04	18.81	21.46	22.15	14.08	13.17	11.66	9.25	7.57	7.05
9	9.04	9.60	9.10	19.63	21.80	22.56	14.07	13.01	11.62	9.06	7.47	7.10
10	9.05	9.56	9.18	21.73	22.19	22.93	14.02	12.84	11.56	8.96	7.22	7.06
11	9.21	9.22	9.26	24.03	22.68	22.85	13.99	12.69	11.47	8.97	7.09	7.13
12	9.30	9.09	9.33	25.19	23.04	22.48	13.89	12.51	11.36	8.88	7.05	7.25
13	9.02	9.10	9.40	25.28	23.30	22.00	13.82	12.31	11.32	8.75	7.14	7.31
14	9.01	9.15	9.52	24.78	23.20	21.53	13.73	12.10	11.30	8.70	7.31	7.20
15	9.07	8.96	9.59	24.10	22.99	21.14	13.60	11.91	11.27	8.98	7.37	7.04
16	8.95	8.90	9.62	23.64	22.79	20.11	13.40	11.80	11.25	9.06	7.49	6.92
17	8.95	8.96	9.61	23.24	22.66	18.47	13.10	11.70	11.18	9.11	7.52	6.77
18	9.14	8.99	9.36	22.87	22.56	17.13	12.40	11.85	11.35	9.16	7.56	6.65
19	9.20	9.04	9.32	22.34	22.51	16.49	12.04	11.69	13.28	9.28	7.76	6.52
20	9.12	9.06	9.44	21.13	22.45	16.18	11.90	11.53	14.08	9.34	7.83	6.35
21	9.06	9.09	9.57	19.53	22.47	15.93	12.12	11.50	14.15	9.34	7.98	6.23
22	8.97	9.23	9.65	18.15	22.47	15.73	12.30	11.45	14.03	9.27	8.06	6.24
23	8.88	9.33	9.36	18.22	22.60	15.58	12.34	11.42	13.81	9.26	7.98	6.25
24	8.86	9.08	9.36	20.11	22.98	15.49	12.32	11.44	13.56	9.37	7.84	6.24
25	9.02	8.93	9.70	20.90	23.30	15.41	12.19	11.48	13.26	9.43	7.66	6.15
26	9.27	8.99	10.12	21.22	23.11	15.32	13.06	11.41	12.94	9.43	7.48	6.59
27	9.42	9.08	10.26	21.08	22.27	15.20	14.57	11.37	12.59	9.41	7.26	7.15
28	9.56	9.17	10.30	20.45	20.73	15.12	14.94	11.38	12.30	9.34	7.25	7.33
29	9.65	9.25	10.46	20.43	---	15.09	14.92	11.40	12.19	8.67	7.07	7.26
30	9.68	9.24	10.61	20.94	---	15.04	14.77	11.44	12.13	8.23	6.92	7.10
31	9.65	---	10.87	21.25	---	14.99	---	11.47	---	7.85	6.79	---
MEAN	9.16	9.23	9.57	19.97	22.06	18.70	13.66	12.31	12.13	9.23	7.49	6.82
MAX	9.68	9.75	10.87	25.28	23.30	22.93	14.96	14.51	14.15	10.74	8.06	7.33
MIN	8.86	8.90	9.04	12.17	19.33	14.99	11.90	11.37	11.18	7.85	6.79	6.15

HYDROGRAPH



GROUND WATER LEVELS

BERKELEY COUNTY

330218080080700. Local number, BRK-91.

LOCATION.--Lat 33°02'18", long 80°08'07", Hydrologic Unit 03050201, 0.6 mile (1.0 km) northeast of U.S. I-26 on U.S. Hwy 17A and 0.1 mi (0.2 km) south of front entrance of Berkely-Sangaree Public Service District.

Owner: Berkeley-Sangaree Public Service District.

AQUIFER.--Black Mingo.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 434 ft (132 m), cased to 75 ft (22.9 m).

DATUM.--Land-surface datum is 69 ft (21.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.3 m) above land-surface datum.

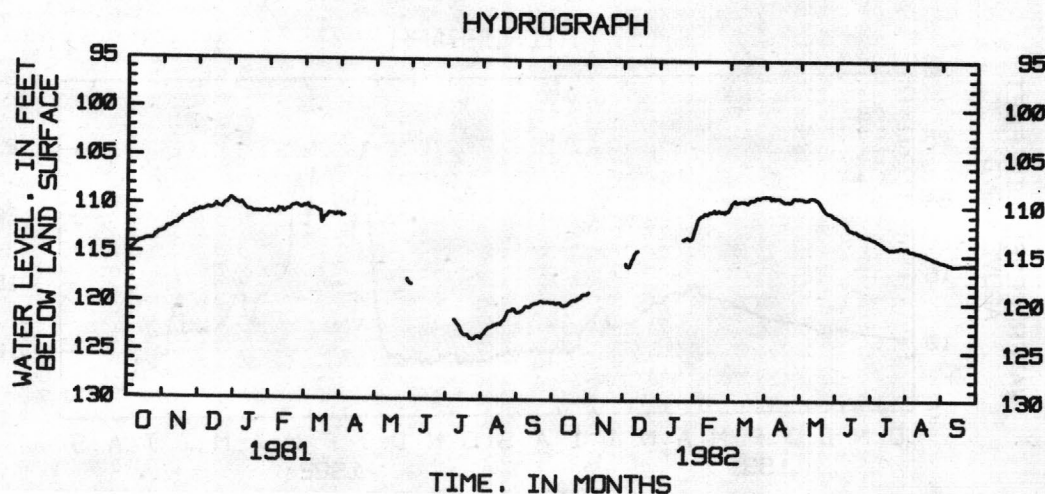
REMARKS.--Record estimated June 2-8, Aug. 12-24, 1982.

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

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 85.47 ft (26.05 m) below land-surface datum, June 16, 1978; lowest, 123.77 ft (37.73 m) below land-surface datum, July 25, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET). WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	UCT	NOV	DEC	JAN	FER	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119.95	118.89	---	---	112.23	110.46	108.96	109.18	111.14	113.23	114.30	115.67
2	119.91	---	115.95	---	111.81	110.26	108.98	109.19	111.20	113.34	114.28	115.67
3	120.06	---	116.18	---	111.33	110.04	108.90	109.20	111.25	113.35	114.31	115.74
4	120.08	---	116.25	---	111.18	109.77	108.98	109.23	111.30	113.37	114.51	115.84
5	120.00	---	116.29	---	111.10	109.58	108.99	109.30	111.40	113.41	114.60	115.84
6	119.94	---	116.23	---	110.97	109.52	108.96	109.34	111.50	113.52	114.57	115.90
7	119.94	---	115.91	---	110.99	109.38	109.25	109.32	111.60	113.59	114.61	115.99
8	120.09	---	115.58	---	110.87	109.61	109.19	109.32	111.65	113.64	114.65	116.00
9	120.25	---	115.37	---	110.71	109.62	109.08	109.29	111.72	113.72	114.68	116.03
10	120.28	---	115.04	---	110.76	109.55	109.26	109.15	111.81	113.82	114.74	116.12
11	120.24	---	114.84	---	110.84	109.49	109.20	109.12	111.99	113.88	114.76	116.11
12	120.20	---	114.70	---	110.72	109.48	109.17	109.12	112.25	113.95	114.80	116.10
13	120.21	---	114.62	---	110.58	109.47	109.18	109.13	112.37	114.02	114.82	116.09
14	120.13	---	---	---	110.65	109.51	109.16	109.16	112.41	114.17	114.86	116.09
15	120.00	---	---	---	110.58	109.47	109.24	109.23	112.47	114.25	114.90	116.08
16	119.86	---	---	---	110.48	109.53	109.32	109.34	112.50	114.32	114.95	116.07
17	119.83	---	---	---	110.38	109.66	109.41	109.38	112.61	114.38	115.00	116.06
18	119.71	---	---	---	110.60	109.68	109.49	109.51	112.51	114.45	115.05	116.05
19	119.68	---	---	---	110.60	109.52	109.56	109.73	112.53	114.40	115.10	116.04
20	119.72	---	---	---	110.52	109.36	109.50	109.93	112.69	114.37	115.15	116.03
21	119.68	---	---	113.40	110.39	109.33	109.51	110.10	112.73	114.42	115.20	116.03
22	119.62	---	---	113.48	110.53	109.34	109.49	110.32	112.84	114.43	115.25	116.02
23	119.50	---	---	113.29	110.61	109.33	109.57	110.50	112.86	114.36	115.30	116.06
24	119.47	---	---	113.24	110.50	109.30	109.51	110.62	112.90	114.31	115.35	116.04
25	119.39	---	---	113.22	110.58	109.18	109.38	110.71	113.03	114.37	115.43	116.02
26	119.25	---	---	113.31	110.70	109.05	109.16	110.74	113.10	114.31	115.47	115.99
27	119.13	---	---	113.46	110.47	109.11	109.13	110.76	113.16	114.22	115.46	115.97
28	119.10	---	---	113.40	110.47	109.16	109.15	110.80	113.15	114.18	115.49	115.99
29	119.09	---	---	113.29	---	109.06	109.20	110.85	113.13	114.27	115.60	115.97
30	119.10	---	---	112.99	---	108.97	109.16	110.98	113.15	114.34	115.66	115.94
31	119.05	---	---	112.53	---	108.95	---	111.11	---	114.34	115.67	---
MEAN	119.76				110.79	109.48	109.23	109.80	112.30	114.02	114.98	115.99
MAX	120.28				112.23	110.46	109.57	111.11	113.16	114.45	115.67	116.12
MIN	119.05				110.38	108.95	108.90	109.12	111.14	113.23	114.28	115.67



CALHOUN COUNTY

33323080430400. Local number, CAL-2.

LOCATION.--Lat 33°33'23", long 80°43'04", Hydrologic unit 03050206, behind the water tower in the red brick building on North Main Street between First and Cemetery Streets in Cameron.

Owner: Town of Cameron.

AQUIFER.--Black Mingo Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in (0.25 m), depth 285 ft (86.9 m), casing and screen unknown.

DATUM.--Land surface datum is 168 ft (51 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.03 ft (0.62 m) above land-surface datum.

REMARKS.--Caliper logged May 15, 1981 to 267 ft (81.38 m). Gamma logged to 265 ft (80.77 m).

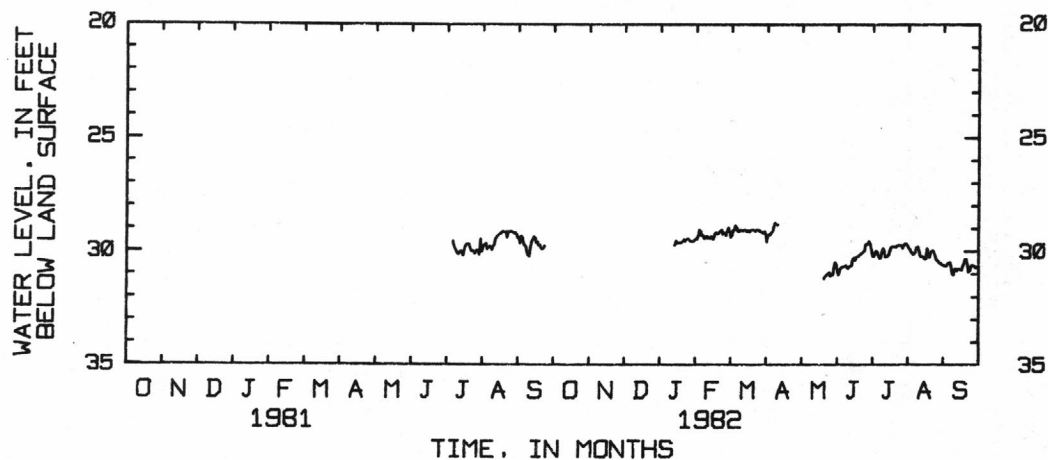
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 28.76 ft (8.8 m) below land-surface datum, Apr. 9, 1982; lowest, 31.20 ft (9.5 m) below land-surface datum, May 21, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				---	29.47	29.13	29.28	---	30.60	29.95	29.73	30.62
2				---	29.33	29.39	29.62	---	30.89	30.22	29.85	30.65
3				---	29.06	29.29	29.30	---	31.05	30.23	29.91	30.67
4				---	29.14	29.08	29.28	---	30.85	30.12	30.02	30.63
5				---	29.32	29.06	29.26	---	30.73	30.00	30.07	30.54
6				---	29.32	28.88	29.17	---	30.69	30.07	30.14	30.51
7				---	29.43	28.97	29.11	---	30.66	30.22	30.12	30.49
8				---	29.43	29.11	28.90	---	30.66	30.32	30.04	30.70
9				---	29.34	29.13	28.76	---	30.62	30.30	29.84	31.03
10				---	29.43	29.07	28.83	---	30.70	30.06	29.81	31.05
11				---	29.39	29.08	28.84	---	30.77	29.89	29.97	30.81
12				29.75	29.44	29.10	---	---	30.67	30.02	30.19	30.78
13				29.67	29.35	29.08	---	---	30.64	30.27	30.25	30.89
14				29.54	29.46	29.06	---	---	30.61	30.26	30.25	30.81
15				29.66	29.49	29.11	---	---	30.39	30.23	30.29	30.79
16				29.63	29.27	29.13	---	---	30.30	30.15	30.36	30.83
17				29.64	29.19	29.10	---	---	30.40	29.98	30.33	30.84
18				29.63	29.24	29.16	---	---	30.29	29.83	29.88	30.66
19				29.60	29.22	29.08	---	---	30.22	29.80	30.26	30.54
20				29.55	29.16	29.06	---	---	30.21	29.80	30.27	30.36
21				29.47	29.11	29.06	---	31.20	30.17	29.81	30.11	30.36
22				29.58	29.06	29.10	---	31.13	30.11	29.83	30.01	30.55
23				29.48	29.26	29.12	---	31.09	30.08	29.76	29.98	30.92
24				29.43	29.20	29.05	---	31.01	30.03	29.75	30.04	30.88
25				29.47	29.27	29.09	---	30.98	29.97	29.73	30.17	30.68
26				29.55	29.32	29.07	---	30.95	29.71	29.74	30.38	30.62
27				29.58	29.12	29.12	---	31.10	29.70	29.74	30.41	30.64
28				29.57	28.97	29.16	---	31.04	29.67	29.87	30.47	30.67
29				29.56	---	29.18	---	31.03	29.56	29.75	30.55	30.74
30				29.50	---	29.21	---	30.71	29.69	29.67	30.54	30.69
31				29.45	---	29.14	---	30.48	---	29.66	30.61	---
MEAN					29.28	29.11			30.35	29.97	30.16	30.70
MAX					29.49	29.39			31.05	30.32	30.61	31.05
MIN					28.97	28.88			29.56	29.66	29.73	30.36

HYDROGRAPH



CHARLESTON COUNTY

324741080041400. Local number, CHN-44.

LOCATION.--Lat 32°47'41", long 80°04'14", Hydrologic unit 03050202, USDA Experimental Station, 300 ft (91.44 m) northeast of U.S. highway 17 at elevated water tank.

Owner: U.S. Department of Agriculture.

AQUIFER.--Santee Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m), depth 434 ft (132.3 m). Open hole-casing length unknown.

DATUM.--Land surface datum is 9.4 ft (2.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft (0.19 m) above land-surface datum.

REMARKS.--Pump test data on file in District office. Electric and caliper logged November 27, 1979, depth 428 ft (130.4 m).

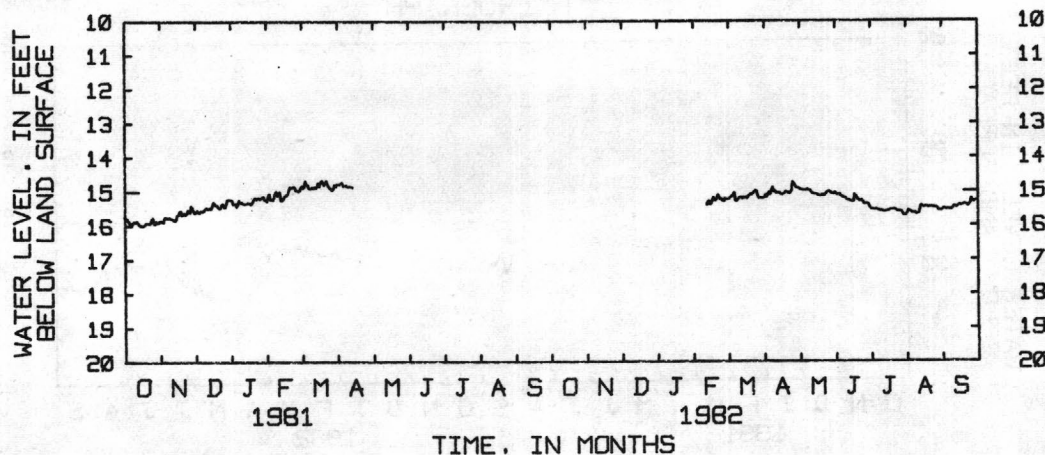
PERIOD OF RECORD.--October 1980 to April 1981; February 1982 to September 1982.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 14.74 ft (4.49 m) below land-surface datum, Apr. 26, 1982; lowest, 15.99 ft (4.87 m) below land-surface datum, Oct. 15, 16, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---	15.24	15.20	14.93	15.05	15.48	15.71	15.55
2					---	15.22	15.18	14.95	15.08	15.54	15.66	15.52
3					---	15.21	15.10	14.96	15.12	15.54	15.57	15.51
4					---	15.16	15.17	14.96	15.11	15.55	15.59	15.54
5					---	15.15	15.09	14.98	15.09	15.56	15.62	15.54
6					15.31	15.11	15.02	14.98	15.14	15.54	15.64	15.53
7					15.35	15.04	15.10	14.98	15.18	15.54	15.66	15.54
8					15.31	15.26	14.95	14.95	15.19	15.57	15.64	15.54
9					15.19	15.29	14.88	14.97	15.21	15.58	15.64	15.54
10					15.22	15.25	15.02	14.98	15.21	15.59	15.69	15.51
11					15.32	15.20	15.00	15.00	15.26	15.58	15.67	15.45
12					15.34	15.18	15.06	15.04	15.28	15.60	15.65	15.46
13					15.28	15.17	15.05	15.07	15.28	15.62	15.55	15.49
14					15.38	15.22	15.05	15.09	15.30	15.62	15.43	15.47
15					15.37	15.18	15.06	15.09	15.31	15.60	15.45	15.43
16					15.28	15.19	15.10	15.10	15.32	15.59	15.48	15.41
17					15.18	15.17	15.10	15.12	15.31	15.58	15.47	15.43
18					15.26	15.21	15.08	15.13	15.10	15.57	15.45	15.42
19					15.26	15.16	15.06	15.14	15.15	15.55	15.46	15.40
20					15.21	15.11	15.01	15.13	15.22	15.55	15.49	15.38
21					15.10	15.08	15.03	15.12	15.26	15.55	15.47	15.39
22					15.18	15.10	15.04	15.13	15.30	15.54	15.47	15.41
23					15.24	15.06	15.07	15.13	15.29	15.56	15.47	15.45
24					15.22	15.01	15.05	15.08	15.27	15.59	15.48	15.42
25					15.28	14.98	14.99	15.05	15.32	15.61	15.48	15.36
26					15.30	15.00	14.74	15.02	15.38	15.60	15.50	15.22
27					15.20	15.12	14.78	15.01	15.39	15.60	15.49	15.29
28					15.24	15.21	14.85	15.04	15.37	15.60	15.52	15.32
29					---	15.19	14.90	15.07	15.38	15.65	15.57	15.29
30					---	15.20	14.91	15.07	15.42	15.71	15.57	15.27
31					---	15.20	---	15.09	---	15.72	15.58	---
MEAN						15.16	15.02	15.04	15.24	15.58	15.55	15.44
MAX						15.29	15.20	15.14	15.42	15.72	15.71	15.55
MIN						14.98	14.74	14.93	15.05	15.48	15.43	15.22

HYDROGRAPH



CHARLESTON COUNTY

330247079340300. Local number, CHN-101.

LOCATION.--Lat 33°02'47", long 79°34'03", Hydrologic unit 03050202, Buckhall Campground, 300 ft (91.4 m) southeast of S.C. 913 and U.S.

Hwy 17 junction, 200 ft (61 m) south of U.S. 17.

Owner: U.S. Forest Service.

AQUIFER.--Santee Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 91 ft (27.7 m), cased to 82 ft (25 m). Open hole 82 ft (25 m) to 91 ft (27.7 m).

DATUM.--Land surface datum is 22 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.12 m) above land-surface datum.

REMARKS.--Water-quality analysis data on file in District office. Gamma logged Feb. 15, 1980 to 91 ft (27.7 m). Gamma logged Dec. 18, 1979 to 90 ft (27.4 m).

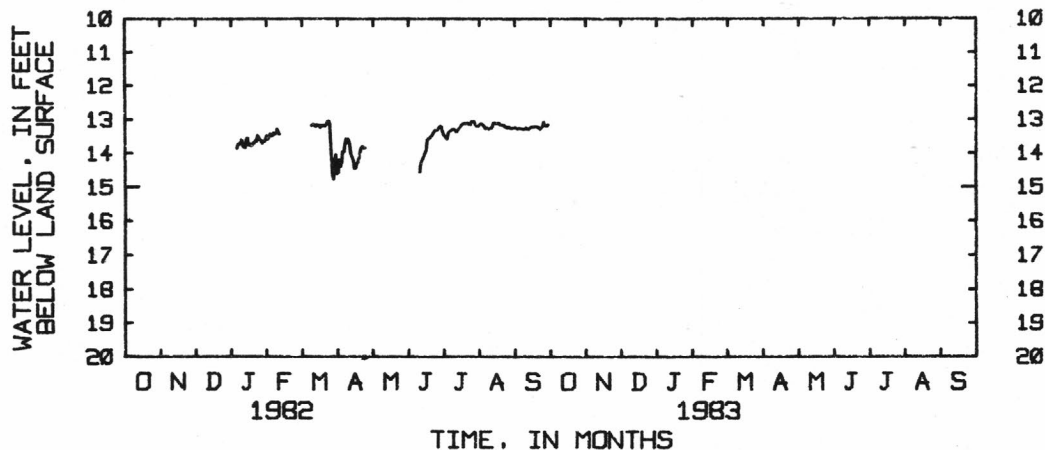
PERIOD OF RECORD.--January 1982 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 13.03 ft (3.9 m) below land-surface datum, Mar. 25, 1982; lowest, 14.78 ft (4.5 m) below land-surface datum, Mar. 29, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				---	13.58	---	14.61		---	13.33	13.18	13.24
2				---	13.51	---	14.57		---	13.44	13.14	13.23
3				---	13.41	---	14.19		---	13.48	13.11	13.26
4				---	13.48	---	14.40		---	13.55	13.12	13.27
5				13.85	13.46	---	14.29		---	13.57	13.15	13.25
6				13.75	13.38	---	13.94		---	13.40	13.19	13.26
7				13.70	13.43	---	13.95		---	13.35	13.26	13.26
8				13.73	13.38	---	13.73		---	13.32	13.23	13.27
9				13.58	13.27	---	13.56		---	13.29	13.24	13.28
10				13.75	13.36	13.16	13.68		---	13.28	13.27	13.27
11				13.81	13.42	13.13	13.57		14.56	13.28	13.25	13.23
12				13.84	---	13.13	13.72		14.37	13.31	13.25	13.27
13				13.62	---	13.14	14.04		14.23	13.36	13.19	13.28
14				13.52	---	13.19	14.11		14.15	13.30	13.08	13.25
15				13.76	---	13.14	14.19		14.07	13.26	13.08	13.21
16				13.72	---	13.15	14.45		13.98	13.21	13.11	13.20
17				13.79	---	13.16	14.44		13.90	13.16	13.11	13.21
18				13.75	---	13.23	14.32		13.58	13.12	13.09	13.19
19				13.69	---	13.16	14.26		13.55	13.11	13.11	13.19
20				13.68	---	13.18	14.14		13.54	13.09	13.15	13.20
21				13.62	---	13.15	13.96		13.49	13.11	13.15	13.21
22				13.64	---	13.18	13.83		13.46	13.09	13.16	13.24
23				13.46	---	13.14	13.79		13.39	13.09	13.17	13.28
24				13.53	---	13.06	13.84		13.33	13.13	13.21	13.23
25				13.59	---	13.03	13.83		13.30	13.13	13.21	13.19
26				13.62	---	13.11	---		13.31	13.05	13.25	13.05
27				13.70	---	13.90	---		13.28	13.05	13.21	13.15
28				13.63	---	14.55	---		13.23	13.04	13.24	13.18
29				13.64	---	14.78	---		13.18	13.11	13.26	13.18
30				13.57	---	14.32	---		13.20	13.17	13.25	13.13
31				13.47	---	14.03	---		---	13.19	13.25	---
MEAN										13.24	13.18	13.22
MAX										13.57	13.27	13.28
MIN										13.04	13.08	13.05

HYDROGRAPH



CHARLESTON COUNTY

325025079574501. Local number, CHN-136.

LOCATION.--Lat 32°50'25", long 79°57'45", Hydrologic Unit 03050201, 5.2 miles (8.4 km) northwest of Charleston on U.S. Hwy 52 at Exxon Plant.

Owner: Exxon Company.

AQUIFER.--Limestone and sand of Eocene age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in (0.25 m) to 290 ft (88.4 m), 8 in (0.20 m) from 290 ft (88.4 m) to 504 ft (154.0 m), depth 504 ft (154.0 m), screened with slotted pipe 339-369 ft (103-112 m), 459-504 ft (140-154 m).

DATUM.--Land-surface datum is 15 ft (4.57 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.45 ft (0.44 m) above land-surface datum.

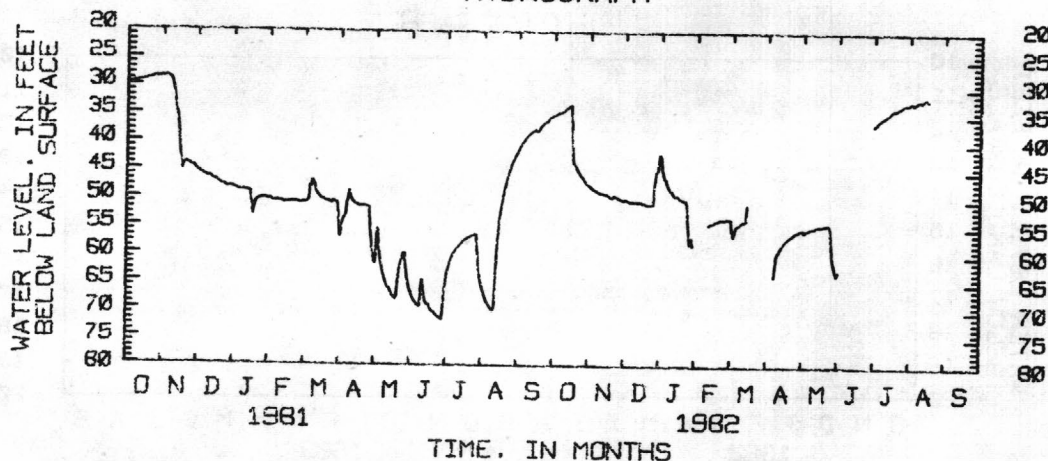
PERIOD OF RECORD.--August 1971 to August 1982 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 29.19 ft (8.89 m) below land-surface datum, Nov. 4, 1980; lowest, 116.63 ft (35.55 m) below land-surface datum, Sept. 6, 1971.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.66	48.25	50.56	42.96	---	53.79	---	55.67	63.66	---	33.25	
2	35.50	48.42	50.61	45.03	---	53.88	---	55.65	63.03	37.13	33.09	
3	35.40	48.61	50.72	46.08	---	56.05	---	55.61	---	36.95	32.92	
4	35.26	48.78	50.80	46.82	---	56.96	---	56.00	---	36.78	33.13	
5	35.15	48.90	50.91	46.91	---	56.21	---	55.89	---	36.55	33.37	
6	35.27	48.98	50.94	47.63	---	55.44	---	55.71	---	36.29	33.11	
7	35.13	49.13	50.92	48.10	---	54.97	---	55.62	---	36.12	32.96	
8	34.91	49.27	50.91	48.48	---	54.94	63.92	55.52	---	35.97	32.81	
9	34.76	49.40	50.95	48.85	---	54.76	62.34	55.42	---	35.84	32.71	
10	34.56	49.46	50.93	49.01	---	54.58	60.51	55.34	---	35.71	32.68	
11	34.40	49.46	50.96	49.40	54.85	54.42	59.77	55.29	---	35.57	32.73	
12	34.24	49.48	51.00	49.68	54.70	54.29	59.47	55.25	---	35.42	32.89	
13	34.08	49.54	51.01	49.87	54.50	54.20	59.10	55.23	---	35.26	32.60	
14	33.92	49.60	50.92	49.83	54.51	54.20	58.77	55.06	---	35.07	32.37	
15	33.83	49.68	50.96	49.87	54.44	53.95	58.41	54.95	---	34.89	32.24	
16	38.01	49.77	51.18	50.19	54.30	51.38	58.11	54.94	---	34.74	32.35	
17	43.46	49.91	51.16	50.31	54.14	---	57.81	54.94	---	34.58	32.64	
18	44.45	50.06	51.20	50.46	54.12	---	57.58	54.93	---	34.43	---	
19	44.55	50.18	51.34	50.52	54.09	---	57.35	54.92	---	34.32	---	
20	44.95	50.23	51.43	50.57	54.00	---	57.15	54.87	---	34.41	---	
21	45.32	49.98	51.44	50.65	53.86	---	57.00	54.81	---	34.44	---	
22	45.68	49.75	51.43	50.66	53.89	---	56.85	54.80	---	34.17	---	
23	46.01	50.08	51.42	51.21	53.89	---	56.70	54.75	---	34.05	---	
24	46.33	50.15	51.47	54.43	53.87	---	56.55	54.68	---	33.97	---	
25	46.52	50.28	51.40	57.09	53.91	---	56.38	54.63	---	33.83	---	
26	46.79	50.36	49.98	58.35	53.85	---	56.11	54.89	---	33.65	---	
27	47.08	50.42	47.17	57.18	53.74	---	56.02	57.83	---	33.51	---	
28	47.42	50.55	45.56	58.58	53.81	---	55.97	60.25	---	33.43	---	
29	47.67	50.63	45.41	---	---	---	55.87	61.44	---	33.40	---	
30	47.87	50.63	43.79	---	---	---	55.74	62.32	---	33.38	---	
31	48.07	---	42.36	---	---	---	---	63.05	---	33.33	---	
MEAN	40.40	49.66	50.03	50.31				56.14				
MAX	48.07	50.63	51.47	58.58				63.05				
MIN	33.83	48.25	42.36	42.96				54.63				

HYDROGRAPH



CHARLESTON COUNTY

323043080185800. Local number, CHN-497

LOCATION.--Lat 32°30'43", long 80°18'58", Hydrologic unit 03050205, Edisto Beach State Park, 132 ft (40.2 m) west of highway 174.

Owner: Town of Edisto Beach.

AQUIFER.--Ocala Limestone.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 50 ft (15.24 m), screened interval 20-50 ft (6.1-15.24 m).

DATUM.--Land surface datum is 8 ft (2.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.28 ft (0.085 m) above land-surface datum.

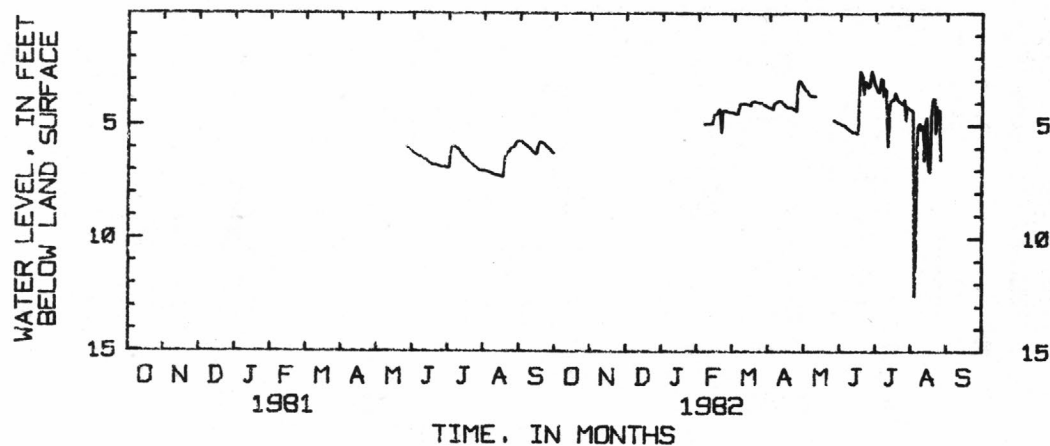
PERIOD OF RECORD.--May 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 2.61 ft (0.8 m) below land-surface datum, June 29, 1982; lowest, 12.55 ft (3.82 m) below land-surface datum, Aug. 5, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---	4.44	4.21	3.29	4.93	3.04	4.33	
2					---	4.46	4.24	3.38	4.96	3.23	4.34	
3					---	4.48	4.25	3.45	5.00	3.37	4.40	
4					---	4.51	4.29	3.51	5.03	3.51	6.79	
5					4.97	4.52	4.31	3.58	5.02	3.58	12.55	
6					4.95	4.51	4.05	3.66	5.06	3.38	10.53	
7					4.93	4.28	4.01	3.71	5.11	2.93	5.30	
8					4.95	4.07	3.99	3.73	5.15	3.00	4.98	
9					4.94	4.05	3.94	3.73	5.19	3.74	4.95	
10					4.95	4.05	3.93	3.73	5.24	3.37	5.20	
11					4.95	4.05	3.93	3.73	5.27	3.46	5.05	
12					4.93	4.05	3.94	---	5.32	4.75	5.05	
13					4.68	4.05	3.99	---	5.35	5.96	6.59	
14					4.55	4.08	4.05	---	5.31	4.35	4.89	
15					4.53	4.11	4.11	---	5.33	3.90	4.67	
16					4.49	4.12	4.17	---	5.39	3.87	6.36	
17					4.38	4.13	4.21	---	5.35	3.90	7.02	
18					4.31	3.98	4.23	---	3.72	3.82	7.09	
19					4.43	3.95	4.23	---	2.62	3.58	4.58	
20					5.34	3.95	4.23	---	2.73	3.70	3.95	
21					4.43	3.95	4.24	---	2.87	3.86	3.84	
22					4.37	3.96	4.27	---	3.64	3.94	3.87	
23					4.37	3.99	4.31	---	3.08	3.99	5.36	
24					4.37	4.02	4.35	---	3.11	4.03	4.16	
25					4.42	4.01	4.39	---	3.22	4.08	4.87	
26					4.43	4.01	3.34	---	3.34	4.10	4.35	
27					4.44	4.03	3.03	4.80	3.27	3.89	6.56	
28					4.44	4.09	3.05	4.82	2.83	4.83	---	
29					---	4.12	3.12	4.86	2.61	4.20	---	
30					---	4.15	3.22	4.90	2.81	4.22	---	
31					---	4.18	---	4.93	---	4.28	---	
MEAN						4.14	3.99		4.26	3.87	---	
MAX						4.52	4.39		5.39	5.96		
MIN						3.95	3.03		2.61	2.93		

HYDROGRAPH



CLARENDON COUNTY

334153080121600. Local number, CLA-3.

LOCATION.--Lat 33°41'53", long 80°12'16", Hydrologic unit 03040205, 192 ft (58.5 m) north of Dinkins Street, at the water department and near the reservoir in Manning.

Owner: Town of Manning.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m), depth 600 ft (182.9 m), casing and screen unknown.

DATUM.--Land surface datum is 100 ft (30.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5 ft (1.5 m) above land-surface datum.

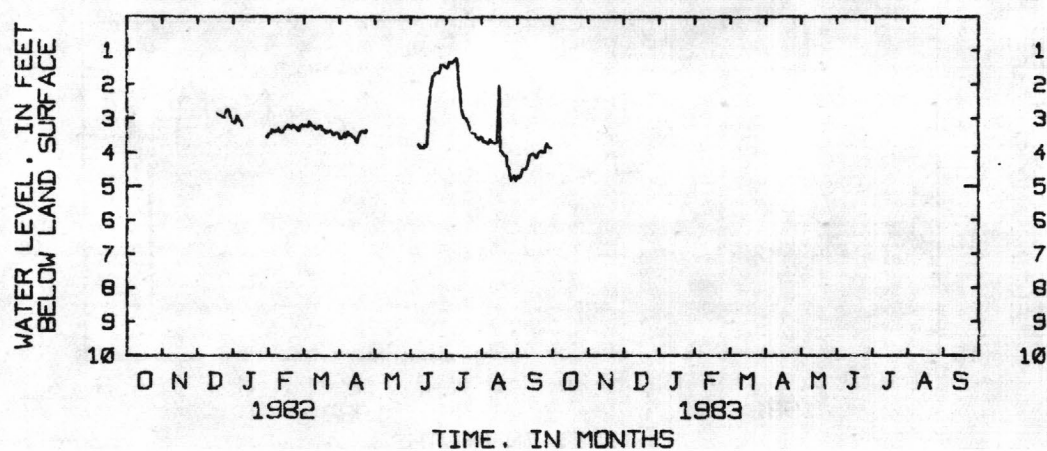
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 1.21 ft (0.37 m) below land-surface datum, July 11, 1982; lowest, 4.82 ft (1.47 m) below land-surface datum, Aug. 27, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	3.08	3.42	3.17	3.45	---	---	1.46	3.53	4.74
2	---	---	---	3.16	3.43	3.22	3.57	---	---	1.49	3.57	4.68
3	---	---	---	3.07	3.30	3.19	3.57	---	---	1.51	3.68	4.75
4	---	---	---	2.89	3.35	3.20	3.56	---	---	1.46	3.66	4.70
5	---	---	4.06	3.03	3.40	3.23	3.50	---	---	1.33	3.69	4.60
6	---	---	---	3.09	3.35	3.22	3.42	---	---	1.33	3.71	4.49
7	---	---	---	3.10	3.37	3.07	3.54	---	---	1.37	3.74	4.48
8	3.99	---	---	3.20	3.31	3.14	3.49	---	3.75	1.33	3.69	4.48
9	4.00	---	---	---	3.27	3.19	3.38	---	3.79	1.29	3.61	4.46
10	---	---	---	---	3.38	3.22	3.48	---	3.86	1.26	3.67	4.38
11	---	---	---	---	3.39	3.21	3.45	---	3.81	1.21	3.67	4.23
12	---	---	---	---	3.39	3.28	3.47	---	3.85	1.37	3.70	4.08
13	---	---	---	---	3.33	3.31	3.53	---	3.86	2.03	3.72	4.02
14	---	---	---	---	3.30	3.29	3.54	---	3.75	2.16	3.69	4.04
15	---	---	---	---	3.23	3.21	3.60	---	3.82	2.59	3.68	4.01
16	---	---	---	---	3.22	3.22	3.68	---	3.74	2.82	2.99	4.05
17	---	---	---	---	3.17	3.20	3.69	---	3.02	2.93	2.02	4.12
18	---	---	2.82	---	3.26	3.33	3.55	---	2.45	2.99	3.93	4.13
19	---	---	2.90	---	3.26	3.32	3.47	---	2.09	3.00	3.97	4.05
20	---	3.38	2.90	---	3.29	3.36	3.39	---	1.94	3.07	4.01	3.97
21	---	---	2.88	---	3.19	3.43	3.36	---	1.74	3.12	4.06	3.95
22	---	---	2.95	---	3.19	3.37	3.35	---	1.71	3.22	4.10	3.93
23	---	---	2.94	---	3.28	3.40	3.39	---	1.64	3.33	4.09	3.98
24	---	---	2.97	---	3.26	3.37	3.41	---	1.64	3.42	4.41	3.98
25	---	---	2.84	---	3.35	3.35	3.33	---	1.64	3.42	4.42	3.97
26	---	---	2.72	---	3.35	3.39	---	---	1.65	3.41	4.62	3.79
27	---	---	2.70	---	3.25	3.48	---	---	1.57	3.45	4.82	3.71
28	---	---	2.75	---	3.19	3.47	---	---	1.41	3.54	4.73	3.80
29	---	---	2.92	3.52	---	3.41	---	---	1.42	3.56	4.74	3.84
30	---	---	3.08	3.56	---	3.42	---	---	1.42	3.61	4.66	3.85
31	---	---	3.10	3.45	---	3.42	---	---	---	3.58	4.82	---
MEAN					3.30	3.29				2.44	3.92	4.18
MAX					3.43	3.48				3.61	4.82	4.75
MIN					3.17	3.07				1.21	2.02	3.71

HYDROGRAPH



COLLETON COUNTY

330256080354500. Local number, COL-97.

LOCATION.--Lat 33°02'56", long 80°35'45", Hydrologic Unit 03050205, 1.6 miles (2.6 km) southeast of Canadys at intersection of State Hwy. 61 and State Road 45.

Owner: South Carolina Water Resources Commission.
AQUIFER.--Santee Formation.

WELL CHARACTERISTICS.--Drilled test and observation artesian well, diameter 4 in (0.10 m), depth 500 ft (152.4 m), cased to 140 ft (42.7 m), open hole to 500 ft (152 m).

DATUM.--Land-surface datum is 84 ft (25.61 m) National Geodetic Vertical Datum of 1929. Measuring point: top of platform, 2.10 ft (0.64 m) above land-surface datum.

REMARKS.--Depth, measured Jan. 17, 1979, 356 ft (108.5 m).

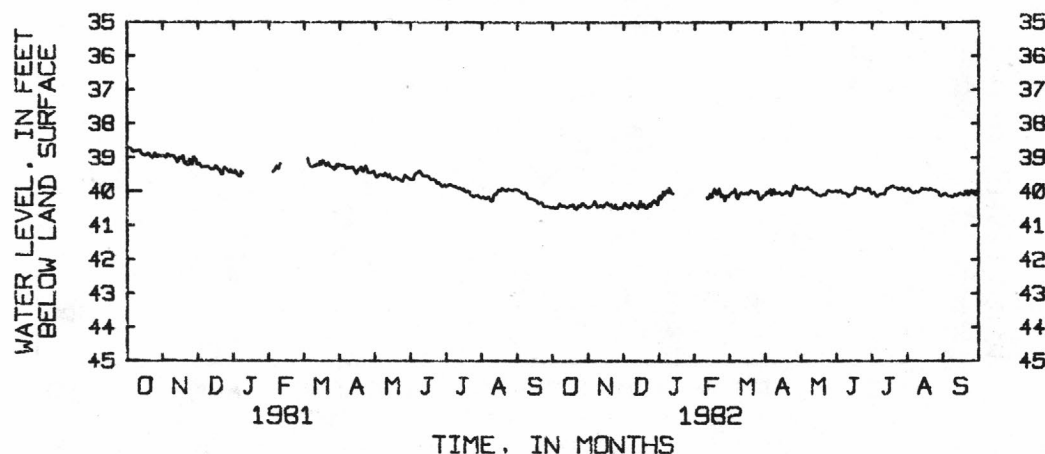
PERIOD OF RECORD.--August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.79 (11.2 m) below land-surface datum, May 14, 1978; lowest 40.51 ft (12.3 m) below land-surface datum, Oct. 20, 21, Nov. 26, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.46	40.46	40.39	40.11	---	40.14	40.09	39.92	39.97	40.02	39.94	40.10
2	40.43	40.44	40.32	40.22	---	40.08	40.08	39.91	39.98	40.09	39.92	40.06
3	40.49	40.42	40.40	40.14	---	40.05	39.98	39.90	40.02	40.05	39.92	40.05
4	40.48	40.42	40.38	39.99	---	40.01	40.04	39.91	40.00	40.02	39.97	40.08
5	40.47	40.37	40.45	40.09	---	40.01	40.00	39.94	39.96	40.07	40.01	40.12
6	40.42	40.27	40.47	40.01	---	39.99	39.92	39.93	40.01	40.14	40.04	40.14
7	40.35	40.35	40.40	39.96	---	39.91	40.09	39.91	40.05	40.14	40.05	40.14
8	40.39	40.45	40.32	40.01	---	40.15	40.02	39.87	40.05	40.10	40.03	40.15
9	40.43	40.45	40.39	39.89	---	40.20	39.93	39.92	40.05	40.08	40.00	40.17
10	40.42	40.43	40.39	39.95	40.18	40.13	40.06	39.94	40.06	40.07	40.02	40.13
11	40.42	40.39	40.42	40.04	40.22	40.06	40.03	39.96	40.09	40.06	40.02	40.08
12	40.44	40.43	40.46	40.06	40.18	40.02	40.06	39.99	40.15	40.07	39.99	40.11
13	40.46	40.46	40.50	---	40.07	40.02	40.04	40.03	40.10	40.08	39.96	40.13
14	40.46	40.42	40.40	---	40.17	40.07	40.01	40.04	40.07	40.00	39.90	40.10
15	40.43	40.36	40.27	---	40.14	40.04	40.05	40.05	40.08	39.92	39.93	40.06
16	40.38	40.32	40.44	---	40.02	40.06	40.09	40.10	40.06	39.92	39.94	40.05
17	40.42	40.31	40.44	---	39.91	40.02	40.06	40.10	40.05	39.89	39.93	40.08
18	40.37	40.38	40.37	---	40.05	40.07	40.05	40.10	39.90	39.88	39.92	40.08
19	40.42	40.41	40.46	---	40.07	40.03	40.05	40.13	39.87	39.85	39.95	40.11
20	40.51	40.37	40.49	---	40.02	39.96	39.99	40.11	39.91	39.83	39.96	40.07
21	40.51	40.46	40.48	---	39.91	39.97	40.01	40.08	39.92	39.85	39.91	40.04
22	40.48	40.47	40.39	---	40.05	40.00	40.04	40.10	39.93	39.88	39.93	40.04
23	40.41	40.48	40.36	---	40.14	40.02	40.12	40.09	39.92	39.89	39.96	40.10
24	40.44	40.38	40.43	---	40.09	40.03	40.10	40.04	39.93	39.90	39.97	40.10
25	40.41	40.48	40.33	---	40.15	39.99	40.00	39.98	39.97	39.94	39.95	40.05
26	40.34	40.51	40.29	---	40.26	39.99	39.84	39.97	39.98	39.93	39.99	39.97
27	40.33	40.48	40.25	---	40.12	40.13	39.81	39.98	39.98	39.92	40.01	40.02
28	40.38	40.47	40.31	---	40.13	40.23	39.83	40.00	39.96	39.89	40.02	40.08
29	40.41	40.50	40.29	---	---	40.22	39.90	40.01	39.91	39.92	40.11	40.10
30	40.45	40.48	40.38	---	---	40.18	39.92	40.00	39.92	39.98	40.14	40.10
31	40.47	---	40.17	---	---	40.12	---	40.00	---	39.97	40.13	---
MEAN	40.43	40.42	40.38			40.06	40.01	40.00	40.00	39.98	39.98	40.09
MAX	40.51	40.51	40.50			40.23	40.12	40.13	40.15	40.14	40.14	40.17
MIN	40.33	40.27	40.17			39.91	39.81	39.87	39.87	39.83	39.90	39.97

HYDROGRAPH



GROUND WATER LEVELS

DILLON COUNTY

342042079100600. Local number, DIL-79.

LOCATION.--Lat 34°20'42", long 79°10'06", Hydrologic unit 03040204, 131 ft (39.9 m) east of Hampton Street and 33 ft (10.05 m) off of Peachtree Street in Lakeview.

Owner: Town of Lakeview.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in (0.25 m), depth 302 ft (92 m), casing and screen unknown.

DATUM.--Land surface datum is 90 ft (27.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2 ft (0.61 m) above land-surface datum.

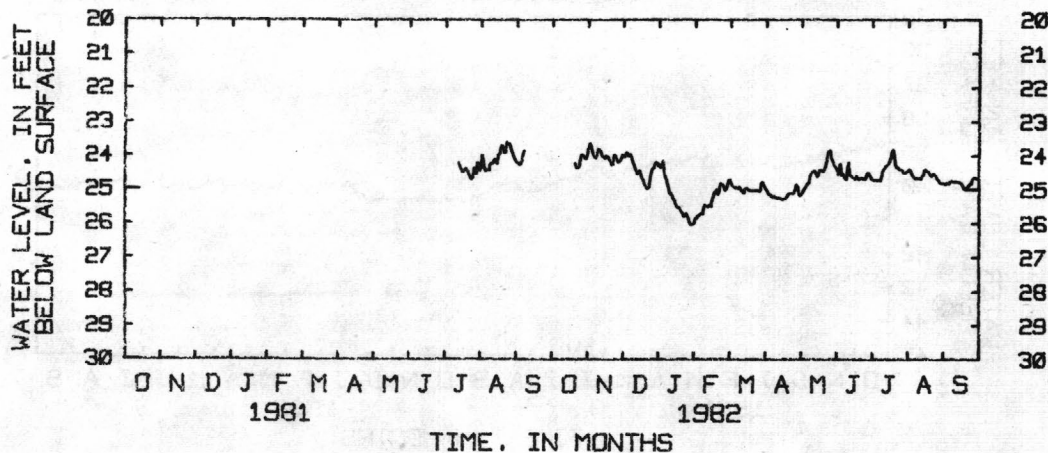
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 23.59 ft (7.19 m) below land-surface datum, Aug. 24, 1981; lowest, 26.05 ft (7.9 m) below land-surface datum, Jan. 28, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	23.77	24.01	24.24	25.86	24.71	24.93	25.18	24.37	24.64	24.47	24.82
2	---	23.62	24.04	24.34	25.86	24.69	25.00	25.15	24.48	24.70	24.44	24.83
3	---	23.70	23.97	24.33	25.78	24.80	25.04	25.10	24.56	24.73	24.41	24.85
4	---	23.85	23.90	24.15	25.76	24.90	25.12	25.03	24.43	24.74	24.46	24.81
5	---	23.95	23.97	24.43	25.72	24.92	25.15	24.97	24.25	24.73	24.54	24.83
6	---	24.02	24.02	24.62	25.69	24.94	25.16	24.92	24.57	24.74	24.60	24.83
7	---	24.08	23.96	24.72	25.73	24.93	25.22	24.86	24.55	24.74	24.66	24.77
8	---	23.99	24.05	24.87	25.53	24.97	25.23	24.81	24.59	24.74	24.68	24.75
9	---	23.80	24.17	24.99	25.45	24.97	25.19	24.79	24.67	24.75	24.66	24.77
10	---	23.82	24.26	25.14	25.48	24.92	25.24	24.59	24.71	24.67	24.67	24.78
11	---	23.87	24.37	25.11	25.51	24.96	25.25	24.48	24.43	24.49	24.67	24.78
12	---	23.94	24.47	25.19	25.49	25.03	25.26	24.47	24.19	24.38	24.68	24.76
13	---	24.03	24.55	25.28	25.44	25.06	25.25	24.44	24.55	24.37	24.69	24.78
14	---	24.05	24.50	25.33	25.50	25.10	25.25	24.45	24.60	24.31	24.62	24.78
15	---	24.09	24.44	25.44	25.30	24.98	25.27	24.53	24.63	24.26	24.56	24.80
16	---	24.01	24.56	25.52	25.20	24.96	25.29	24.61	24.68	24.22	24.42	24.79
17	---	24.04	24.66	25.54	25.07	24.97	25.29	24.56	24.71	24.18	24.41	24.84
18	---	24.07	24.73	25.55	25.07	25.01	25.28	24.43	24.68	24.07	24.46	24.91
19	---	24.13	24.84	25.59	25.00	25.02	25.27	24.42	24.61	23.90	24.46	24.99
20	24.24	24.18	24.93	25.66	25.14	25.03	25.20	24.45	24.68	23.83	24.53	24.99
21	24.30	24.28	24.98	25.71	25.02	25.03	25.13	24.46	24.71	23.98	24.57	24.96
22	24.37	24.26	24.99	25.81	24.79	25.03	25.12	24.40	24.68	24.27	24.61	24.93
23	24.36	24.00	24.93	25.77	24.83	25.03	25.10	24.32	24.66	24.35	24.56	24.89
24	24.33	23.99	24.65	25.71	24.87	25.03	25.10	24.18	24.68	24.36	24.55	24.83
25	24.14	24.10	24.50	25.80	24.92	25.02	25.12	24.00	24.71	24.40	24.58	24.83
26	23.98	24.18	24.38	25.88	25.01	25.01	25.07	23.85	24.71	24.43	24.64	24.72
27	23.98	24.21	24.35	25.99	24.98	25.05	25.00	23.83	24.64	24.43	24.69	24.66
28	24.02	24.15	24.25	26.05	24.88	25.04	24.86	24.06	24.53	24.45	24.74	24.64
29	24.08	24.09	24.19	26.03	---	24.80	24.92	24.14	24.52	24.51	24.80	24.65
30	24.09	23.98	24.21	26.02	---	24.78	25.11	24.21	24.58	24.52	24.82	24.68
31	23.98	---	24.30	25.99	---	24.86	---	24.30	---	24.50	24.82	---
MEAN		24.01	24.39	25.32	25.32	24.95	25.15	24.52	24.58	24.43	24.60	24.81
MAX		24.28	24.99	26.05	25.86	25.10	25.29	25.18	24.71	24.75	24.82	24.99
MIN		23.62	23.90	24.15	24.79	24.69	24.86	23.83	24.19	23.83	24.41	24.64

HYDROGRAPH



DORCHESTER COUNTY

331325080263400. Local number, DOR-103.

LOCATION.--Lat 33°13'25", long 80°26'34", Hydrologic unit 03050206, 120 ft (36.6 m) northeast of U.S. Hwy 178 in Harleyville.

Owner: Ford Redimix Concrete Co.

AQUIFER.--Ocala Limestone Formation.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in (0.15 m), depth 56 ft (17.1 m), cased to 43 ft (13.1 m), open hole 43 ft (13.1 m) to 56 ft (17.1 m).

DATUM.--Land surface datum is 82 ft (25 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.43 ft (0.13 m) above land-surface datum.

REMARKS.--Original depth was 212 ft (64.6 m), well caved in and bottom was plugged with cement. Well was sounded Mar. 27, 1980 to a depth of 56 ft (17.1 m). Water-quality analysis on file in District office. Pump test data on file in District office. Gamma and caliper logged Nov. 29, 1979 to a depth of 55 ft (16.8 m).

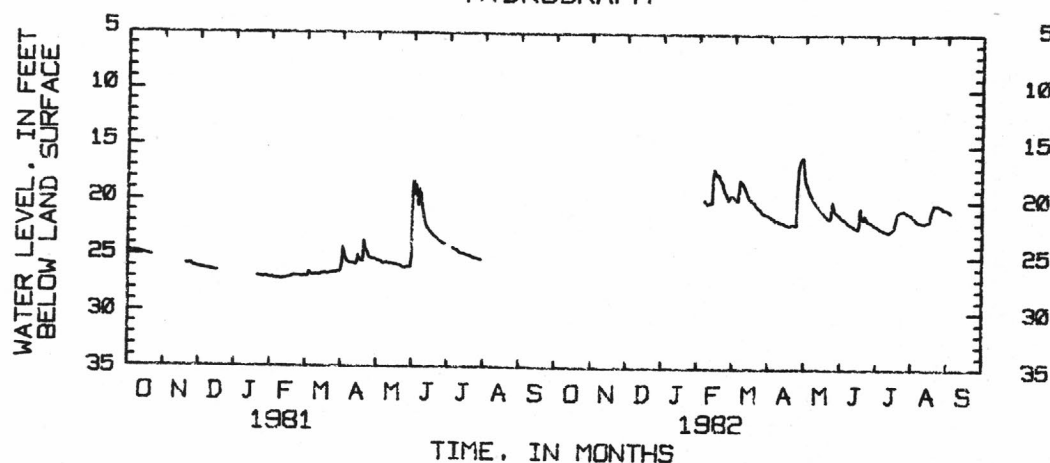
PERIOD OF RECORD.--January 1980 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 16.29 ft (5.0 m) below land-surface datum, May 1, 1982; lowest, 27.28 ft (8.31 m) below land-surface datum, Feb. 9, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---	19.74	21.44	16.29	21.40	22.28	21.31	20.86
2					---	19.78	21.51	17.63	21.52	22.34	21.37	20.91
3					---	19.88	21.51	18.42	21.63	22.35	21.48	20.96
4					---	19.99	21.64	18.70	21.69	22.39	21.60	21.12
5					20.14	20.11	21.67	19.02	21.74	22.50	21.72	---
6					20.13	20.14	21.72	19.30	21.86	22.59	21.83	---
7					20.32	19.38	21.91	19.51	21.94	22.65	21.92	---
8					20.46	18.32	21.88	19.71	22.02	22.69	21.97	---
9					20.41	18.45	21.87	19.93	22.13	22.74	21.96	---
10					20.32	18.60	22.01	20.09	22.18	22.79	21.99	---
11					20.38	18.77	21.99	20.24	22.26	22.81	22.02	---
12					20.29	19.00	22.06	20.41	22.35	22.84	22.05	---
13					18.01	19.27	22.06	20.54	22.38	22.89	22.09	---
14					17.35	19.56	22.09	20.67	22.46	22.87	22.00	---
15					17.58	19.75	22.17	20.80	22.52	22.74	21.94	---
16					17.88	19.96	22.23	20.94	22.57	22.68	21.92	---
17					17.79	20.05	22.24	21.06	22.61	22.61	21.90	---
18					17.95	20.16	22.28	21.19	22.29	22.44	21.50	---
19					18.23	20.19	22.32	21.33	20.65	22.09	21.05	---
20					18.44	20.27	22.29	21.43	21.30	21.65	20.77	---
21					18.60	20.42	22.19	21.52	21.66	21.31	20.46	---
22					19.08	20.60	22.20	21.63	21.76	21.13	20.49	---
23					19.42	20.73	22.20	21.72	21.38	21.03	20.48	---
24					19.56	20.83	22.28	21.73	21.64	20.99	20.48	---
25					19.83	20.89	22.26	21.48	21.85	20.97	20.48	---
26					20.08	20.99	19.08	20.16	21.94	20.95	20.56	---
27					19.90	21.17	17.31	20.64	21.98	20.97	20.60	---
28					19.76	21.29	16.77	20.91	22.00	21.03	20.66	---
29					---	21.31	16.51	21.11	22.04	21.13	20.78	---
30					---	21.36	16.32	21.24	22.13	21.22	20.83	---
31					---	21.39	---	21.34	---	21.26	20.83	---
MEAN						20.08	21.20	20.34	21.93	22.03	21.32	
MAX						21.39	22.32	21.73	22.61	22.89	22.09	
MIN						18.32	16.32	16.29	20.65	20.95	20.46	

HYDROGRAPH



FLORENCE COUNTY

340806079563100. Local number, FLO-85.

LOCATION.--Lat 34°08'06", long 79°56'31", Hydrologic unit 03040202, 136 ft (41.4 m) off East Main Street, behind the town hall in Timmons ville.

Owner: Town of Timmons ville.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m) to 535 ft (163.1 m), depth 535 ft (163.1 m), screened 235-240 ft (72.0-73.2 m), 260-270 ft (79.2-82.3 m), 410-415 ft (125-126.5 m), 480-485 ft (146.3-148.0 m), 505-515 ft (152.0-157.0 m).

DATUM.--Land surface datum is 145 ft (44.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.71 ft (0.22 m) above land-surface datum.

REMARKS.--Water-quality data on file in District office. Record estimated Nov. 2-17, 1981.

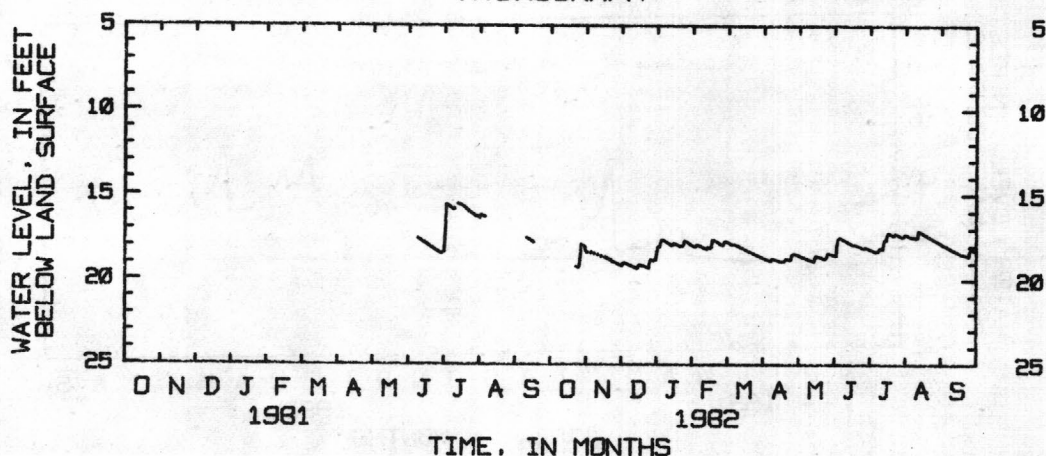
PERIOD OF RECORD.--June 1981 to September 1982.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 15.51 ft (4.72 m) below land-surface datum, July 14, 1981; lowest, 19.34 ft (5.9 m) below land-surface datum, Dec. 14, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	18.35	19.17	18.02	18.00	17.71	18.67	18.50	18.51	18.12	17.31	17.82
2	---	18.36	18.99	18.05	18.03	17.74	18.70	18.53	18.51	18.16	17.29	17.87
3	---	18.38	18.99	17.89	17.92	17.78	18.74	18.56	18.53	18.20	17.32	17.90
4	---	18.39	19.01	17.63	17.90	17.82	18.77	18.58	17.82	18.22	17.36	17.94
5	---	18.41	19.05	17.61	17.92	17.87	18.79	18.61	17.52	18.25	17.40	17.97
6	---	18.44	19.08	17.65	17.96	17.90	18.82	18.64	17.47	18.28	17.43	18.00
7	---	18.45	19.11	17.69	18.00	17.88	18.85	18.67	17.50	18.31	17.46	18.04
8	---	18.49	19.14	17.73	18.04	17.88	18.85	18.70	17.54	18.26	17.46	18.08
9	---	18.50	19.17	17.78	18.07	17.90	18.73	18.73	17.58	18.29	17.44	18.11
10	---	18.52	19.21	17.82	18.11	17.94	18.74	18.76	17.61	18.20	17.47	18.15
11	---	18.54	19.24	17.87	18.13	17.97	18.76	18.78	17.64	18.08	17.51	18.19
12	---	18.57	19.27	17.91	18.16	18.01	18.78	18.81	17.68	18.10	17.46	18.22
13	---	18.59	19.30	17.96	18.05	18.05	18.81	18.83	17.72	18.14	17.08	18.25
14	---	18.61	19.34	17.90	18.06	18.08	18.83	18.86	17.76	17.86	17.11	18.28
15	---	18.64	19.18	17.81	18.09	18.12	18.86	18.89	17.80	17.59	17.14	18.32
16	---	18.66	19.09	17.84	18.02	18.16	18.89	18.65	17.84	17.61	17.18	18.35
17	---	18.68	19.11	17.88	17.62	18.19	18.91	18.55	17.88	17.32	17.23	18.38
18	---	18.72	19.14	17.92	17.63	18.23	18.87	18.57	17.90	17.18	17.27	18.41
19	---	18.75	19.15	17.96	17.66	18.26	18.88	18.59	17.88	17.21	17.31	18.45
20	---	18.78	19.18	18.00	17.70	18.29	18.83	18.60	17.90	17.26	17.36	18.48
21	---	18.82	19.21	17.96	17.74	18.32	18.74	18.63	17.93	17.29	17.40	18.50
22	19.20	18.86	19.24	17.97	17.77	18.36	18.75	18.65	17.96	17.33	17.43	18.50
23	19.22	18.90	19.27	17.90	17.82	18.39	18.77	18.68	17.99	17.34	17.47	18.53
24	19.26	18.94	19.30	17.67	17.87	18.42	18.79	18.71	18.02	17.24	17.51	18.55
25	19.24	18.97	18.90	17.70	17.90	18.45	18.79	18.70	18.06	17.26	17.55	18.58
26	18.83	19.01	18.80	17.74	17.93	18.49	18.52	18.62	18.09	17.29	17.59	18.28
27	17.87	19.04	18.83	17.79	17.78	18.52	18.44	18.40	18.12	17.33	17.63	18.14
28	17.92	19.08	18.85	17.83	17.68	18.55	18.43	18.41	18.04	17.37	17.66	18.16
29	17.97	19.11	18.79	17.88	---	18.58	18.45	18.43	18.06	17.40	17.70	18.19
30	18.03	19.14	18.80	17.92	---	18.61	18.47	18.46	18.09	17.44	17.74	18.22
31	18.32	---	18.44	17.96	---	18.64	---	18.48	---	17.42	17.78	---
MEAN		18.69	19.08	17.85	17.91	18.16	18.74	18.63	17.90	17.72	17.42	18.23
MAX		19.14	19.34	18.05	18.16	18.64	18.91	18.89	18.53	18.31	17.78	18.58
MIN		18.35	18.44	17.61	17.62	17.71	18.43	18.40	17.47	17.18	17.08	17.82

HYDROGRAPH



FLORENCE COUNTY

341200079444100. Local number, FLO-99.

LOCATION.--Lat 34°12'00", long 79°44'41", Hydrologic unit 03040201, 85 ft (26 m) east of the rear of City Products warehouse off East Day Street in Florence.

Owner: City Products, Kenneth Ness.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m), depth 216 ft (66.0 m), casing and screen unknown.

DATUM.--Land surface datum is 145 ft (44.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.7 ft (0.21 m) above land-surface datum.

REMARKS.--Gamma log, Aug. 13, 1980 to depth of 205 ft (62.5 m), caliper log, Aug. 13, 1980 to depth of 204 ft (62.2 m). Mushy obstruction between 30-40 ft (9.1-12.2 m). Record estimated Oct. 1-21, Nov. 24-Dec. 31, 1981, Jan. 1-7, 24-Feb. 16, Mar. 4-30, Sept. 7-16, 1982.

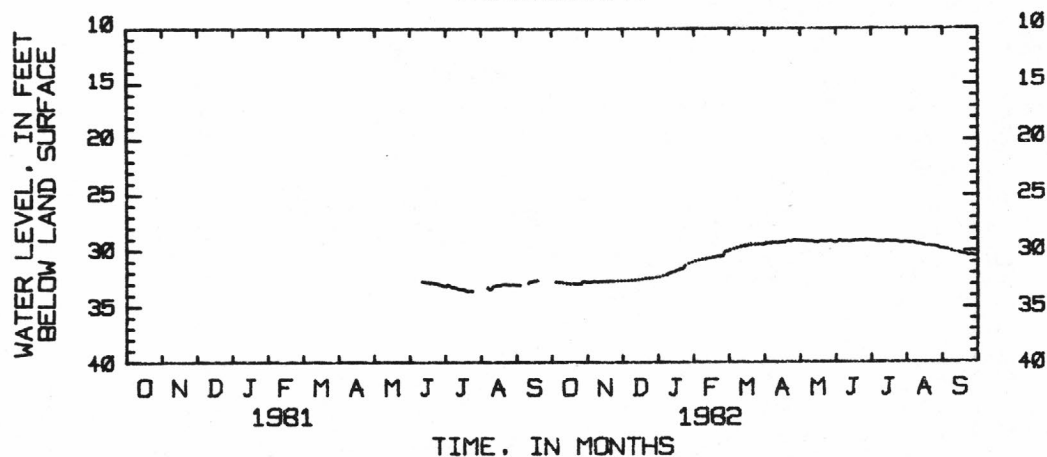
PERIOD OF RECORD.--June 1981 to September 1982.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 29.22 ft (9.0 m) below land-surface datum, June 19, 1982; lowest, 33.71 ft (10.27 m) below land-surface datum, July 25, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.82	32.89	32.77	32.44	31.05	30.18	29.56	29.26	29.43	29.26	29.40	30.00
2	32.85	32.91	32.77	32.40	31.00	30.13	29.53	29.27	29.42	29.27	29.44	30.00
3	32.87	32.89	32.76	32.37	30.98	30.06	29.47	29.31	29.38	29.29	29.47	30.00
4	32.88	32.85	32.76	32.34	30.96	30.05	29.48	29.29	29.30	29.28	29.47	30.05
5	32.90	32.84	32.75	32.30	30.94	30.00	29.50	29.30	29.24	29.29	29.48	30.09
6	32.90	32.79	32.75	32.28	30.90	29.98	29.47	29.31	29.27	29.34	29.46	30.11
7	32.92	32.82	32.75	32.25	30.88	29.95	29.51	29.30	29.35	29.38	29.47	30.15
8	32.92	32.83	32.74	32.18	30.86	29.92	29.46	29.31	29.33	29.38	29.49	30.18
9	32.94	32.89	32.73	32.11	30.85	29.88	29.39	29.32	29.32	29.39	29.54	30.20
10	32.95	32.83	32.73	32.11	30.83	29.85	29.45	29.34	29.34	29.37	29.59	30.22
11	32.95	32.83	32.73	32.06	30.80	29.83	29.43	29.33	29.32	29.36	29.61	30.23
12	32.97	32.83	32.72	32.00	30.79	29.80	29.45	29.34	29.32	29.39	29.58	30.28
13	32.98	32.82	32.70	31.97	30.78	29.78	29.45	29.35	29.36	29.39	29.56	30.30
14	33.00	32.80	32.69	31.96	30.77	29.75	29.43	29.39	29.37	29.35	29.63	30.32
15	33.00	32.83	32.68	31.90	30.75	29.72	29.40	29.38	29.34	29.30	29.63	30.35
16	33.02	32.83	32.67	31.86	30.73	29.70	29.40	29.38	29.31	29.31	29.71	30.40
17	33.03	32.81	32.65	31.82	30.71	29.70	29.38	29.42	29.30	29.32	29.71	30.42
18	33.04	32.82	32.64	31.81	30.71	29.68	29.38	29.38	29.27	29.33	29.79	30.45
19	33.04	32.80	32.62	31.72	30.68	29.66	29.40	29.32	29.22	29.39	29.81	30.46
20	33.04	32.78	32.60	31.73	30.61	29.65	29.32	29.33	29.27	29.37	29.80	30.48
21	33.04	32.81	32.60	31.71	30.63	29.65	29.31	29.32	29.28	29.35	29.78	30.50
22	33.05	32.79	32.58	31.62	30.67	29.65	29.29	29.32	29.27	29.38	29.76	30.53
23	33.03	32.79	32.57	31.42	30.59	29.64	29.32	29.36	29.25	29.37	29.80	30.58
24	33.04	32.79	32.55	31.35	30.62	29.61	29.33	29.37	29.26	29.39	29.80	30.64
25	33.04	32.80	32.55	31.29	30.61	29.60	29.30	29.36	29.27	29.39	29.81	30.61
26	33.04	32.80	32.53	31.25	30.39	29.60	29.26	29.34	29.28	29.44	29.83	30.55
27	32.84	32.79	32.52	31.20	30.20	29.59	29.24	29.30	29.25	29.45	29.83	30.60
28	32.79	32.78	32.50	31.18	30.14	29.58	29.24	29.28	29.24	29.46	29.88	30.63
29	32.83	32.78	32.50	31.15	---	29.59	29.27	29.31	29.23	29.47	29.92	30.66
30	32.86	32.77	32.48	31.14	---	29.58	29.28	29.35	29.24	29.45	29.97	30.67
31	32.87	---	32.46	31.10	---	29.57	---	29.42	---	29.41	30.01	---
MEAN	32.95	32.82	32.65	31.81	30.73	29.77	29.39	29.33	29.30	29.37	29.68	30.36
MAX	33.05	32.91	32.77	32.44	31.05	30.18	29.56	29.42	29.43	29.47	30.01	30.67
MIN	32.79	32.77	32.46	31.10	30.14	29.57	29.24	29.26	29.22	29.26	29.40	30.00

HYDROGRAPH



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 (131.1 m) from highway #76.

Owner: E. I. DuPont, de Nemours Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in (0.10 m), depth 802 ft (244.4 m), cased to 802 ft (244.4 m), screened 265-270 ft (80.8-82.3 m), 275-290 ft (83.8-88.4 m), 328-333 ft (100.1-101.5 m), 376-381 ft (115-116 m), 460-470 ft (140-143.2 m), 680-690 ft (207.3-210.3 m).

DATUM.--Land surface datum is 96 ft (29.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.3 ft (0.39 m) above land-surface datum.

REMARKS.--Water-quality data from 1950-60 on file in District office. Geophysical logged March 1959 to 800 ft (244.0 m), geophysical logged May 1982 to 695 ft (212.0 m). Record estimated Mar. 13-29, Sept. 1-17, 1982.

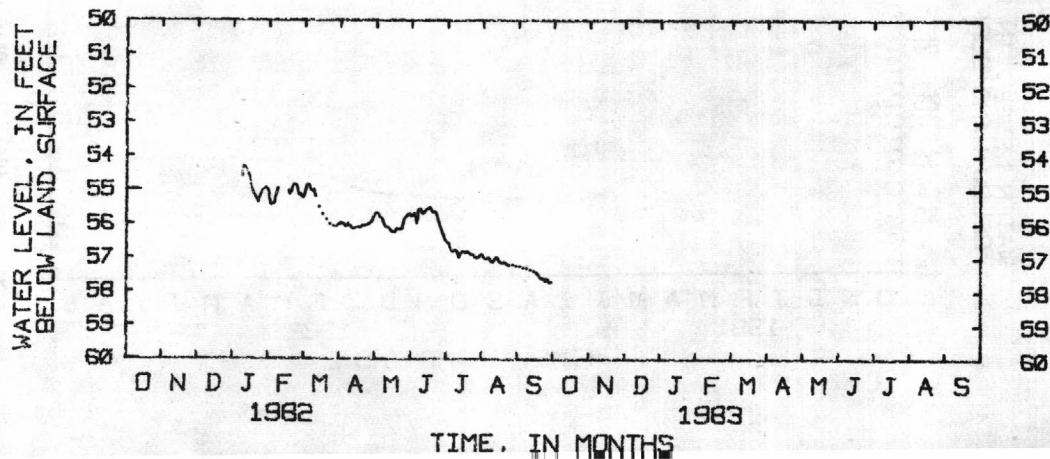
PERIOD OF RECORD.--January 1982 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 54.28 ft (16.5 m) below land-surface datum, Jan. 10, 1982; lowest, 57.71 ft (17.6 m) below land-surface datum, Sept. 29, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				---	55.28	55.22	55.99	55.75	55.69	56.45	56.90	57.22
2				---	55.44	55.19	55.98	55.68	55.75	56.50	56.89	57.23
3				---	55.41	55.11	55.94	55.66	55.74	56.53	56.96	57.25
4				---	55.41	54.95	55.97	55.65	55.70	56.56	57.00	57.28
5				---	55.37	54.84	56.00	55.69	55.67	56.64	57.02	57.28
6				---	55.20	54.84	56.01	55.76	55.77	56.73	57.02	57.29
7				---	55.08	54.85	56.09	55.80	55.97	56.80	57.00	57.29
8				54.57	54.93	54.97	56.03	55.82	55.59	56.80	57.00	57.30
9				54.37	---	55.04	55.97	55.91	55.54	56.77	57.06	57.31
10				54.28	---	55.03	56.05	56.00	55.54	56.76	57.11	57.32
11				54.29	---	54.99	56.05	56.07	55.63	56.79	57.12	57.33
12				54.40	---	55.18	56.11	56.08	55.68	56.87	57.07	57.35
13				54.49	---	55.30	56.13	56.09	55.64	56.97	57.03	57.37
14				54.56	---	55.45	56.12	56.11	55.61	56.88	56.98	57.37
15				54.75	---	55.50	56.12	56.16	55.58	56.82	56.99	57.38
16				54.86	---	55.60	56.12	56.21	55.54	56.81	57.04	57.40
17				54.99	55.02	55.65	56.11	56.23	55.54	56.81	57.10	57.42
18				55.10	55.12	55.70	56.08	56.24	55.50	56.82	57.13	57.45
19				55.16	55.09	55.75	56.10	56.24	55.54	56.83	57.14	57.48
20				55.23	54.96	55.80	56.09	56.18	55.62	56.80	57.14	57.51
21				55.28	54.83	55.86	56.03	56.12	55.63	56.83	57.12	57.58
22				55.37	54.83	55.92	56.02	56.15	55.63	56.86	57.13	57.59
23				55.26	54.85	56.00	56.04	56.15	55.65	56.88	57.18	57.61
24				55.15	54.85	56.00	56.03	56.14	55.71	56.91	57.22	57.61
25				55.08	54.96	56.02	56.04	56.13	55.83	56.90	57.20	57.67
26				54.98	55.13	56.03	55.99	56.00	55.96	56.93	57.20	57.60
27				54.96	55.11	56.04	55.98	55.85	56.06	56.99	57.20	57.62
28				54.90	55.17	56.05	55.94	55.81	56.16	56.99	57.20	57.69
29				54.92	---	56.06	55.92	55.76	56.26	56.98	57.22	57.71
30				54.97	---	56.08	55.85	55.72	56.35	56.96	57.23	57.70
31				55.03	---	56.05	---	55.68	---	56.93	57.23	---
MEAN						55.52	56.03	55.96	55.74	56.81	57.09	57.44
MAX						56.08	56.13	56.24	56.35	56.99	57.23	57.71
MIN						54.84	55.85	55.65	55.50	56.45	56.89	57.22

HYDROGRAPH



FLORENCE COUNTY

341150079345000. Local number, FLO-129.

LOCATION.--Lat 34°11'50", long 79°34'50", Hydrologic Unit 03040201, on Pee Dee River, 2.0 miles (3.2 km) east of Mars Bluff at DuPont Plant.

Owner: E. I. DuPont, de Nemours Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth drilled 802 ft (244.4 m), reportedly cased to 802 ft (244.4 m), screened intervals 264-292 ft (80.5-89 m), 327-333 ft (99.7-101.5 m), 375-381 ft (114-116 m), 678-690 ft (206.7-210.3 m).

DATUM.--Land-surface datum is 96.90 ft (29.54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.43 ft (0.44 m) above land-surface datum.

REMARK.--Formerly listed as FLO-128. Geophysical logged, date unknown, to 460 ft (140.2 m), logged May 1982 to 198 ft (60.4 m).

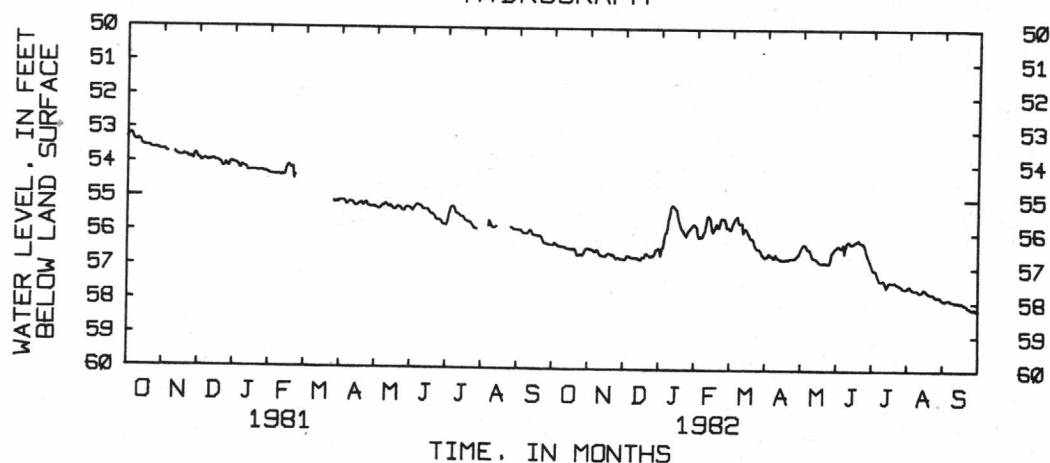
PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 37.22 ft (11.34 m) below land-surface datum, Feb. 10, 1973; lowest, 58.23 ft (17.75 m) below land-surface datum, Sept. 29, 30, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56.34	56.49	56.75	56.46	56.04	55.90	56.67	56.42	56.35	57.02	57.52	57.94
2	56.29	56.49	56.68	56.41	56.14	55.86	56.67	56.34	56.34	57.07	57.52	57.93
3	56.33	56.51	56.68	56.22	56.11	55.74	56.59	56.31	56.39	57.08	57.58	57.91
4	56.36	56.56	56.69	56.01	56.12	55.66	56.62	56.31	56.42	57.10	57.62	57.90
5	56.39	56.55	56.72	55.98	56.10	55.58	56.68	56.37	56.38	57.19	57.64	57.91
6	56.40	56.50	56.74	55.84	56.00	55.53	56.66	56.44	56.31	57.30	57.65	57.94
7	56.39	56.52	56.74	55.57	55.93	55.50	56.73	56.46	56.57	57.38	57.63	57.96
8	56.40	56.60	56.73	55.43	55.74	55.67	56.71	56.48	56.38	57.39	57.63	57.97
9	56.41	56.66	56.74	55.23	55.53	55.72	56.62	56.56	56.27	57.38	57.66	57.99
10	56.43	56.68	56.73	55.18	55.48	55.72	56.71	56.66	56.23	57.36	57.70	57.99
11	56.45	56.69	56.74	55.19	55.54	55.70	56.72	56.72	56.23	57.38	57.71	57.99
12	56.47	56.69	56.77	55.25	55.61	56.00	56.75	56.73	56.29	57.48	57.69	57.98
13	56.48	56.69	56.80	55.29	55.90	55.91	56.77	56.74	56.31	57.57	57.66	58.00
14	56.48	56.67	56.79	55.33	55.98	55.87	56.77	56.76	56.29	57.51	57.61	58.02
15	56.49	56.63	56.71	55.53	55.90	55.91	56.77	56.80	56.27	57.43	57.62	58.00
16	56.48	56.61	56.72	55.66	55.83	55.99	56.78	56.84	56.24	57.41	57.66	57.99
17	56.48	56.61	56.71	55.79	55.72	56.05	56.77	56.86	56.22	57.42	57.70	58.04
18	56.48	56.64	56.62	55.88	55.82	56.14	56.75	56.87	56.20	57.43	57.73	58.06
19	56.53	56.66	56.61	55.92	55.83	56.16	56.76	56.87	56.17	57.43	57.75	58.06
20	56.65	56.64	56.65	55.99	55.72	56.17	56.76	56.86	56.24	57.40	57.76	58.09
21	56.67	56.69	56.68	56.04	55.57	56.24	56.73	56.84	56.26	57.44	57.75	58.14
22	56.66	56.75	56.70	56.11	55.55	56.36	56.72	56.87	56.27	57.47	57.76	58.15
23	56.63	56.77	56.67	56.02	55.58	56.43	56.73	56.87	56.28	57.48	57.79	58.17
24	56.65	56.73	56.69	55.92	55.58	56.46	56.73	56.87	56.33	57.51	57.83	58.19
25	56.66	56.74	56.65	55.89	55.68	56.47	56.73	56.86	56.44	57.51	57.84	58.20
26	56.60	56.77	56.59	55.83	55.84	56.47	56.69	56.75	56.57	57.54	57.84	58.17
27	56.51	56.77	56.49	55.81	55.83	56.52	56.67	56.56	56.68	57.59	57.84	58.17
28	56.47	56.76	56.47	55.75	55.86	56.62	56.62	56.51	56.75	57.60	57.84	58.22
29	56.45	56.79	56.44	55.74	---	56.65	56.59	56.46	56.83	57.60	57.89	58.23
30	56.46	56.80	56.47	55.77	---	56.70	56.50	56.42	56.92	57.59	57.93	58.23
31	56.49	---	56.68	55.82	---	56.72	---	56.39	---	57.57	57.94	---
MEAN	56.48	56.66	56.67	55.77	55.80	56.08	56.70	56.64	56.38	57.41	57.72	58.05
MAX	56.67	56.80	56.80	56.46	56.14	56.72	56.78	56.87	56.92	57.60	57.94	58.23
MIN	56.29	56.49	56.44	55.18	55.48	55.50	56.50	56.31	56.17	57.02	57.52	57.90

HYDROGRAPH



GEORGETOWN COUNTY

332249079171300. Local number, GEO-17.

LOCATION.--Lat 33°22'49", long 79°17'13", Hydrologic Unit 03040207, at Georgetown Hospital on Black River Road.

Owner: City of Georgetown.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 18 in (0.46 m) to 105 ft (32.0 m), 8 in (0.20 m) to 885 ft (270 m), depth 904 ft (276 m), screened intervals 703-713 ft (214-217 m), 757-767 ft (231-234 m), 789-799 ft (240-243 m), 844-854 ft (257-260 m), 815-885 ft (248-269 m).

DATUM.--Land-surface datum is 18 ft (5.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.46 m) above land-surface datum.

REMARKS.--Record estimated Oct. 1-4, 1981.

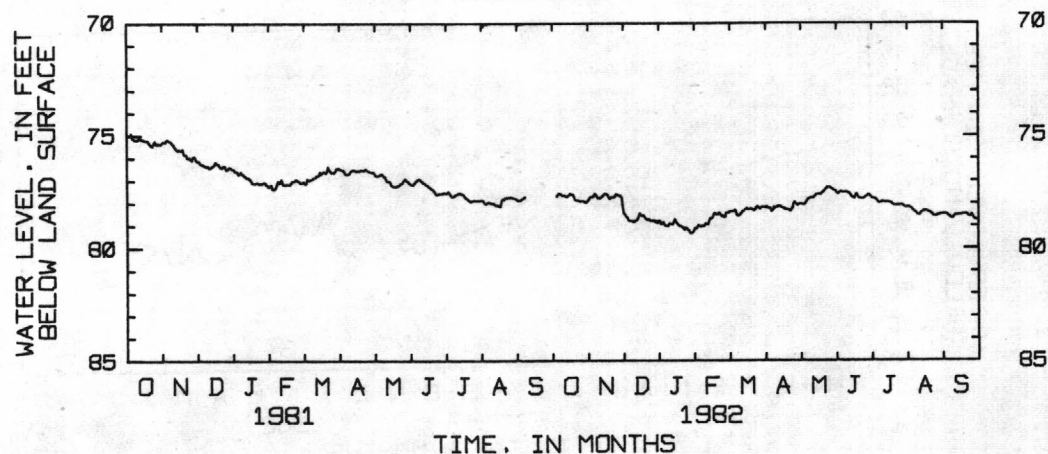
PERIOD OF RECORD.--January 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 68.56 ft (20.90 m) below land-surface datum May 14, 1978; lowest, 79.37 ft (24.2 m) below land-surface datum, Jan. 27, 1982.

DEPTH BFLOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77.60	77.83	78.52	78.81	79.15	78.42	78.19	78.04	77.50	77.74	78.20	78.51
2	77.68	77.75	78.51	78.95	79.09	78.38	78.20	78.04	77.58	77.80	78.20	78.50
3	77.70	77.72	78.63	78.91	78.99	78.37	78.17	78.06	77.62	77.82	78.20	78.51
4	77.70	77.72	78.67	78.87	79.05	78.36	78.25	78.07	77.57	77.83	78.23	78.52
5	77.67	77.69	78.78	79.00	79.07	78.36	78.26	78.07	77.52	77.85	78.28	78.55
6	77.59	77.60	78.83	79.03	79.01	78.36	78.24	78.02	77.52	77.89	78.34	78.60
7	77.58	77.66	78.82	79.02	79.05	78.32	78.39	77.94	77.54	77.97	78.40	78.65
8	77.61	77.76	78.81	79.05	79.02	78.52	78.33	77.86	77.54	78.02	78.43	78.69
9	77.67	77.81	78.87	78.93	78.92	78.58	78.19	77.82	77.54	78.02	78.48	78.72
10	77.68	77.81	78.84	78.93	78.94	78.56	78.25	77.79	77.53	78.00	78.54	78.69
11	77.68	77.77	78.80	78.95	78.95	78.51	78.18	77.78	77.54	77.97	78.57	78.62
12	77.71	77.72	78.77	78.97	78.85	78.46	78.18	77.78	77.58	77.97	78.55	78.55
13	77.72	77.67	78.72	78.85	78.68	78.39	78.15	77.76	77.61	77.98	78.50	78.57
14	77.68	77.61	78.56	78.74	78.71	78.36	78.15	77.70	77.69	77.99	78.43	78.57
15	77.62	77.59	78.47	78.88	78.65	78.30	78.17	77.66	77.75	77.98	78.39	78.55
16	77.58	77.61	78.57	78.93	78.54	78.27	78.22	77.63	77.79	77.99	78.37	78.54
17	77.64	77.66	78.59	79.01	78.46	78.25	78.24	77.61	77.83	78.01	78.37	78.56
18	77.62	77.78	78.55	79.05	78.51	78.30	78.27	77.62	77.70	78.02	78.37	78.52
19	77.72	77.82	78.65	79.06	78.52	78.28	78.31	77.63	77.62	78.04	78.40	78.51
20	77.85	77.74	78.72	79.10	78.50	78.26	78.28	77.59	77.75	78.10	78.44	78.50
21	77.88	77.76	78.76	79.12	78.44	78.27	78.29	77.53	77.81	78.14	78.45	78.50
22	77.90	77.74	78.73	79.20	78.52	78.31	78.33	77.49	77.83	78.14	78.50	78.53
23	77.89	77.73	78.75	79.10	78.59	78.33	78.37	77.43	77.84	78.14	78.53	78.60
24	77.94	77.61	78.82	79.14	78.57	78.28	78.32	77.38	77.83	78.13	78.59	78.63
25	77.93	77.63	78.80	79.21	78.64	78.21	78.24	77.33	77.80	78.13	78.62	78.63
26	77.93	77.67	78.79	79.27	78.63	78.17	78.03	77.32	77.78	78.13	78.62	78.53
27	77.92	77.66	78.79	79.37	78.44	78.23	77.97	77.33	77.74	78.13	78.58	78.65
28	77.97	77.68	78.86	79.34	78.44	78.27	78.05	77.37	77.70	78.12	78.55	78.74
29	77.98	77.76	78.82	79.33	---	78.21	78.12	77.41	77.66	78.15	78.55	78.77
30	77.96	78.20	78.91	79.25	---	78.19	78.07	77.44	77.68	78.20	78.53	78.77
31	77.91	---	78.80	79.12	---	78.18	---	77.48	---	78.23	78.52	---
MEAN	77.76	77.73	78.73	79.05	78.75	78.33	78.21	77.68	77.67	78.02	78.44	78.59
MAX	77.98	78.20	78.91	79.37	79.15	78.58	78.39	78.07	77.84	78.23	78.62	78.77
MIN	77.58	77.59	78.47	78.74	78.44	78.17	77.97	77.32	77.50	77.74	78.20	78.50

HYDROGRAPH



GROUND WATER LEVELS

289

GEORGETOWN COUNTY

332424079171800. Local number, GEO-77.

LOCATION.--Lat 33°24'24", long 79°17'18", Hydrologic Unit 03040207, 5.0 mi (8.0 km) north of Georgetown on U.S. Hwy. 701.

Owner: Georgetown Rural Water District.

AQUIFER.--Sands of the Pee Dee and Black Creek Formations.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in (0.25 m) to 445 ft (136.0 m), 8 in (0.20 m) from 445 ft (136.0 m) to 748 ft (228.0 m), depth 748 ft (228.0 m), screened intervals 490-520 ft (149.4-158.5 m), 580-660 ft (176.8-201.2 m), 720-740 ft (219.5-225.6 m), gravel packed.

DATUM.--Land-surface datum is 22 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.10 ft (0.64 m) above land-surface datum.

REMARKS.--Record estimated Nov. 27-Dec. 31, 1981, Jan. 1-19, Feb. 5-Mar. 11, May 2-June 7, June 10-July 11, 13, July 19-Aug. 22, 1982.

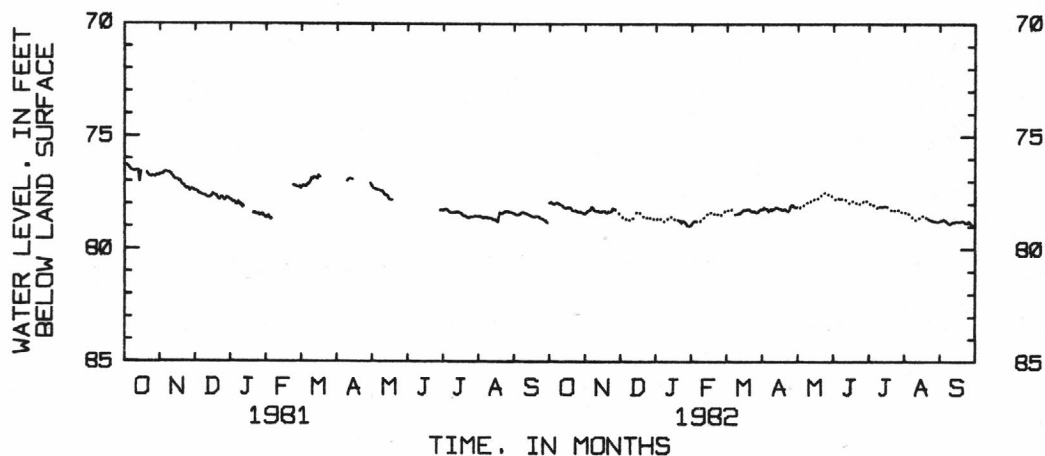
PERIOD OF RECORD.--June 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 63.73 ft (19.4 m) below land-surface datum, Nov. 7, 1976; lowest, 96.82 ft (29.52 m) below land-surface datum, Nov. 21-23, 1972.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77.96	78.41	78.58	78.70	78.82	78.32	78.24	78.15	77.74	77.94	78.40	78.77
2	77.92	78.35	78.60	78.75	78.78	78.30	78.24	78.15	77.79	77.99	78.40	78.75
3	78.00	78.31	78.60	78.72	78.78	78.30	78.17	78.16	77.82	78.01	78.39	78.76
4	78.02	78.29	78.67	78.70	78.79	78.28	78.23	78.17	77.79	78.02	78.40	78.69
5	78.01	78.24	78.70	78.78	78.80	78.27	78.22	78.15	77.78	78.05	78.45	78.73
6	77.97	78.15	78.72	78.80	78.82	78.27	78.24	78.11	77.78	78.08	78.48	78.78
7	77.94	78.21	78.73	78.80	78.78	78.38	78.35	78.06	77.79	78.17	78.55	78.82
8	77.98	78.29	78.74	78.79	78.78	78.45	78.30	78.00	77.78	78.19	78.60	78.87
9	78.03	78.33	78.73	78.70	78.77	78.48	78.23	77.98	77.78	78.19	78.65	78.92
10	78.05	78.33	78.70	78.70	78.63	78.47	78.29	77.95	77.79	78.18	78.70	78.92
11	78.07	78.32	78.67	78.70	78.59	78.45	78.23	77.93	77.80	78.15	78.74	78.87
12	78.12	78.36	78.60	78.69	78.59	78.44	78.23	77.92	77.83	78.14	78.75	78.82
13	78.18	78.39	78.50	78.60	78.48	78.41	78.17	77.90	77.89	78.14	78.70	78.83
14	78.21	78.37	78.40	78.60	78.40	78.40	78.16	77.85	77.95	78.15	78.64	78.82
15	78.19	78.35	78.40	78.68	78.42	78.33	78.18	77.82	77.98	78.13	78.59	78.79
16	78.17	78.34	78.45	78.71	78.40	78.30	78.23	77.80	78.03	78.11	78.57	78.79
17	78.19	78.34	78.42	78.73	78.42	78.26	78.22	77.78	78.02	78.14	78.56	78.81
18	78.16	78.40	78.50	78.74	78.45	78.30	78.26	77.78	77.90	78.15	78.58	78.81
19	78.21	78.42	78.55	78.75	78.45	78.26	78.30	77.77	77.85	78.18	78.60	78.80
20	78.30	78.35	78.59	78.76	78.40	78.24	78.25	77.75	77.95	78.25	78.62	78.78
21	78.33	78.37	78.60	78.77	78.40	78.25	78.25	77.70	77.99	78.30	78.65	78.77
22	78.32	78.36	78.60	78.86	78.47	78.30	78.27	77.64	78.02	78.32	78.70	78.80
23	78.30	78.33	78.63	78.78	78.49	78.33	78.34	77.60	78.03	78.32	78.72	78.86
24	78.36	78.21	78.65	78.78	78.50	78.35	78.33	77.55	78.02	78.31	78.75	78.88
25	78.37	78.24	78.66	78.84	78.52	78.33	78.26	77.52	78.00	78.30	78.76	78.88
26	78.38	78.28	78.65	78.89	78.40	78.33	78.08	77.52	77.97	78.30	78.79	78.77
27	78.36	78.40	78.65	78.99	78.35	78.38	78.04	77.55	77.93	78.30	78.80	78.85
28	78.40	78.48	78.68	79.00	78.35	78.40	78.08	77.58	77.89	78.31	78.79	78.93
29	78.43	78.44	78.69	79.01	---	78.35	78.15	77.61	77.85	78.32	78.82	78.97
30	78.46	78.58	78.67	78.97	---	78.30	78.17	77.65	77.90	78.37	78.82	79.00
31	78.46	---	78.65	78.90	---	78.25	---	77.68	---	78.40	78.80	---
MEAN	78.19	78.34	78.61	78.78	78.57	78.34	78.22	77.83	77.89	78.19	78.64	78.83
MAX	78.46	78.58	78.74	79.01	78.82	78.48	78.35	78.17	78.03	78.40	78.82	79.00
MIN	77.92	78.15	78.40	78.60	78.35	78.24	78.04	77.52	77.74	77.94	78.39	78.69

HYDROGRAPH



GROUND WATER LEVELS

GEORGETOWN COUNTY

332610079104000. Local number, GEO-84. Hagley Plantation.

LOCATION.--Lat 33°26'10", long 79°10'40", Hydrologic Unit 03040207, 2 mi (3.2 km) west of Pawleys Island, south Causeway entrance on Hwy. 17.

Owner: Johnnie Strait.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 620 ft (189 m) cased to 575 ft (175 m), screened interval 575-620 ft (175-189 m).

DATUM.--Land-surface datum is 20 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

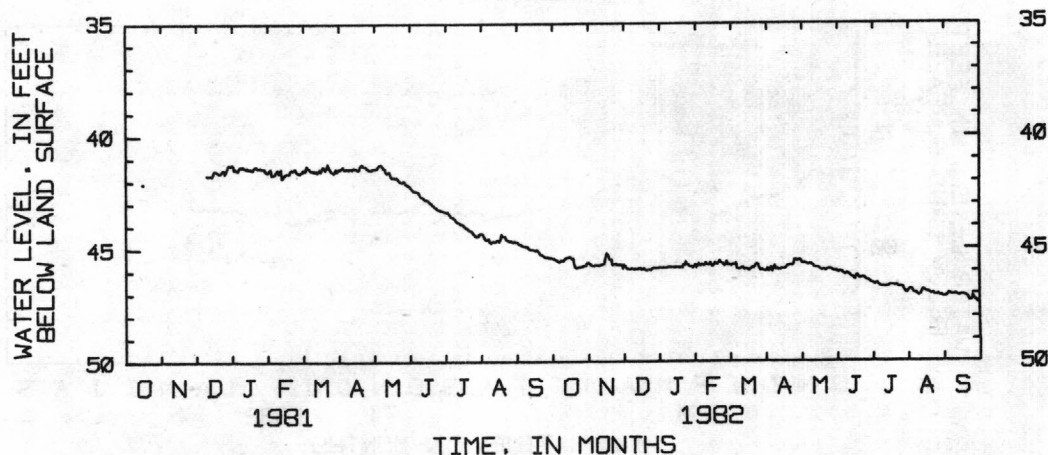
PERIOD OF RECORD.--December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 31.38 ft (9.56 m) below land-surface datum, Feb. 10, 1978; lowest, 47.43 ft (14.45 m) below land-surface datum, Sept. 30, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45.42	45.66	45.72	45.84	45.85	45.71	46.03	45.53	46.00	46.55	46.96	47.17
2	45.43	45.71	45.78	45.86	45.76	45.73	46.01	45.62	46.07	46.57	46.86	47.15
3	45.48	45.75	45.89	45.85	45.66	45.78	45.90	45.67	46.08	46.60	46.82	47.15
4	45.51	45.77	45.90	45.84	45.77	45.70	46.03	45.64	46.03	46.64	46.83	47.10
5	45.55	45.76	45.93	45.85	45.75	45.71	45.94	45.65	46.05	46.58	46.89	47.02
6	45.58	45.73	45.92	45.85	45.70	45.72	45.86	45.69	46.08	46.55	46.98	47.03
7	45.55	45.72	45.91	45.84	45.76	45.65	46.04	45.72	46.14	46.63	47.02	47.08
8	45.50	45.73	45.90	45.83	45.73	45.92	45.90	45.71	46.18	46.69	47.00	47.07
9	45.53	45.75	45.93	45.82	45.64	45.93	45.78	45.69	46.16	46.71	47.05	47.07
10	45.51	45.73	45.93	45.83	45.73	45.91	45.94	45.69	46.12	46.72	47.11	47.06
11	45.43	45.71	45.91	45.83	45.74	45.89	45.89	45.74	46.17	46.71	47.08	47.05
12	45.40	45.70	45.92	45.84	45.71	45.86	45.96	45.78	46.19	46.72	47.05	47.09
13	45.37	45.68	45.92	45.83	45.62	45.86	45.94	45.86	46.23	46.73	46.94	47.12
14	45.37	45.65	45.88	45.83	45.77	45.94	45.94	45.87	46.30	46.71	46.85	47.13
15	45.34	45.40	45.87	45.83	45.79	45.91	45.89	45.87	46.30	46.71	46.88	47.10
16	45.36	45.21	45.94	45.83	45.74	45.92	45.91	45.87	46.35	46.68	46.93	47.08
17	45.44	45.27	45.92	45.84	45.62	45.94	45.91	45.91	46.41	46.65	46.96	47.09
18	45.42	45.41	45.90	45.83	45.70	45.99	45.91	45.95	46.25	46.66	46.95	47.08
19	45.67	45.49	45.94	45.84	45.70	45.94	45.86	45.98	46.21	46.65	46.97	47.12
20	45.83	45.47	45.98	45.84	45.64	45.91	45.78	45.97	46.32	46.66	47.02	47.13
21	45.84	45.72	45.98	45.72	45.54	45.84	45.77	45.95	46.33	46.68	47.04	47.16
22	45.83	45.70	45.94	45.74	45.64	45.88	45.74	45.98	46.34	46.66	47.03	47.24
23	45.82	45.70	45.93	45.59	45.67	45.81	45.74	45.98	46.32	46.68	47.01	47.34
24	45.80	45.68	45.97	45.72	45.69	45.71	45.75	45.95	46.30	46.74	47.08	47.33
25	45.79	45.72	45.91	45.73	45.77	45.69	45.70	45.92	46.32	46.73	47.10	47.31
26	45.78	45.72	45.87	45.79	45.73	45.74	45.49	45.92	46.40	46.72	47.10	47.12
27	45.75	45.71	45.86	45.82	45.58	45.88	45.50	45.93	46.43	46.75	47.05	47.27
28	45.74	45.73	45.88	45.81	45.74	45.99	45.56	45.97	46.45	46.78	47.11	47.33
29	45.74	45.73	45.87	45.87	---	45.94	45.52	46.01	46.47	46.88	47.13	47.35
30	45.62	45.89	45.87	45.82	---	45.99	45.49	46.01	46.52	46.95	47.11	47.43
31	45.61	---	45.86	45.73	---	46.01	---	46.02	---	47.01	47.16	---
MEAN	45.58	45.65	45.90	45.81	45.71	45.85	45.82	45.84	46.25	46.70	47.00	47.16
MAX	45.84	45.89	45.98	45.87	45.85	46.01	46.04	46.02	46.52	47.01	47.16	47.43
MIN	45.34	45.21	45.72	45.59	45.54	45.65	45.49	45.53	46.00	46.55	46.82	47.02

HYDROGRAPH



GROUND WATER LEVELS

291

GREENVILLE COUNTY

345335082185800. Local number, GRV-709.

LOCATION.--Lat 34°53'35", long 82°18'58", Hydrologic Unit 03050109, at Brushy Creek Elementary School northeast of Greenville.

Owner: School District of Greenville County.

AQUIFER.--Metamorphic rocks of Paleozoic to Precambrian age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in (0.15 m), depth 80 ft (24.4 m), cased to 6 ft (1.8 m), open hole 6 ft (1.8 m) to 80 ft (24.4 m).

DATUM.--Land-surface datum is 926 ft (282.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.79 ft (0.55 m) above land-surface datum.

REMARKS.--Record estimated Oct. 18-Dec. 31, 1981, Jan. 1-Mar. 29, 1982.

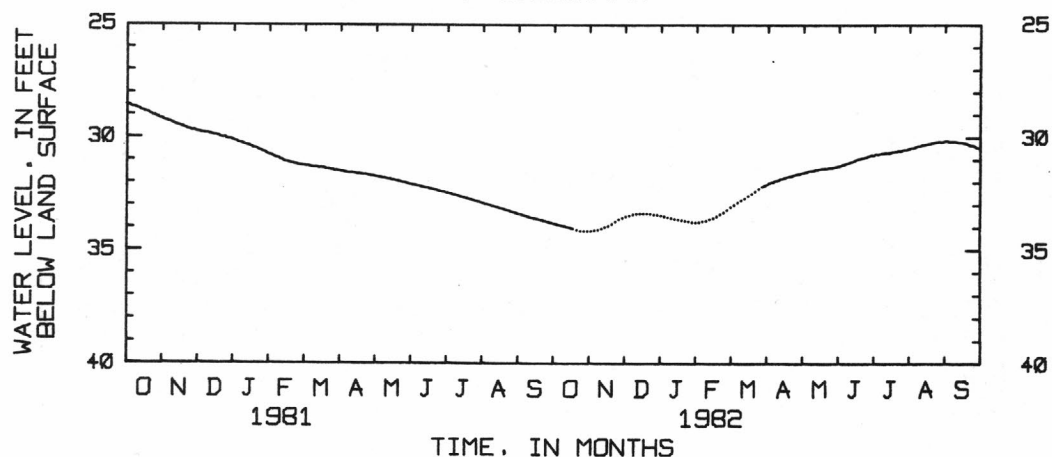
PERIOD OF RECORD.--May 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 23.81 ft (7.26 m) below land-surface datum, June 28, 1973; lowest, 34.19 ft (10.42 m) below land-surface datum, estimated Oct. 28, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.83	34.17	33.52	33.49	33.78	33.10	32.10	31.59	31.28	30.81	30.52	30.17
2	33.85	34.16	33.50	33.50	33.77	33.07	32.07	31.58	31.28	30.80	30.50	30.16
3	33.87	34.15	33.48	33.51	33.76	33.03	32.03	31.56	31.26	30.76	30.49	30.16
4	33.88	34.14	33.47	33.52	33.75	33.00	32.03	31.55	31.24	30.75	30.48	30.19
5	33.89	34.13	33.45	33.53	33.74	32.97	31.99	31.55	31.21	30.76	30.47	30.20
6	33.90	34.12	33.44	33.55	33.73	32.94	31.99	31.53	31.21	30.76	30.45	30.20
7	33.92	34.11	33.43	33.56	33.72	32.90	31.98	31.50	31.19	30.74	30.44	30.20
8	33.93	34.10	33.42	33.58	33.71	32.88	31.94	31.49	31.16	30.72	30.41	30.21
9	33.95	34.08	33.41	33.59	33.70	32.84	31.91	31.49	31.15	30.71	30.39	30.21
10	33.96	34.06	33.40	33.60	33.68	32.80	31.92	31.48	31.13	30.71	30.39	30.21
11	33.98	34.03	33.40	33.62	33.65	32.77	31.88	31.47	31.12	30.70	30.37	30.22
12	34.00	34.01	33.39	33.63	33.63	32.74	31.87	31.46	31.10	30.70	30.35	30.23
13	34.01	34.00	33.39	33.64	33.61	32.71	31.84	31.45	31.08	30.69	30.34	30.24
14	34.02	33.98	33.38	33.65	33.59	32.68	31.83	31.44	31.07	30.69	30.33	30.24
15	34.03	33.96	33.38	33.66	33.57	32.65	31.82	31.43	31.04	30.69	30.32	30.24
16	34.05	33.94	33.39	33.66	33.55	32.60	31.80	31.42	31.02	30.68	30.31	30.25
17	34.06	33.90	33.38	33.67	33.51	32.58	31.78	31.41	31.00	30.67	30.29	30.27
18	34.10	33.88	33.39	33.68	33.48	32.55	31.77	31.40	30.97	30.65	30.28	30.27
19	34.11	33.85	33.39	33.70	33.45	32.51	31.75	31.40	30.96	30.64	30.28	30.29
20	34.12	33.82	33.40	33.71	33.41	32.49	31.73	31.39	30.95	30.63	30.26	30.30
21	34.13	33.79	33.40	33.72	33.39	32.44	31.73	31.38	30.93	30.63	30.24	30.32
22	34.15	33.75	33.40	33.74	33.37	32.40	31.72	31.38	30.92	30.62	30.24	30.36
23	34.16	33.72	33.41	33.74	33.34	32.36	31.71	31.37	30.91	30.60	30.23	30.38
24	34.16	33.70	33.42	33.75	33.30	32.33	31.68	31.36	30.89	30.60	30.22	30.38
25	34.17	33.64	33.42	33.77	33.28	32.30	31.66	31.35	30.88	30.60	30.20	30.38
26	34.18	33.62	33.43	33.78	33.23	32.28	31.64	31.35	30.86	30.59	30.21	30.40
27	34.18	33.60	33.43	33.78	33.18	32.23	31.63	31.34	30.84	30.57	30.19	30.44
28	34.19	33.58	33.44	33.78	33.14	32.20	31.63	31.34	30.82	30.56	30.20	30.48
29	34.18	33.56	33.46	33.79	---	32.18	31.63	31.32	30.80	30.56	30.22	30.50
30	34.18	33.54	33.47	33.79	---	32.15	31.61	31.31	30.79	30.55	30.21	30.52
31	34.18	---	33.48	33.78	---	32.13	---	31.30	---	30.53	30.19	---
MEAN	34.04	33.90	33.42	33.66	33.54	32.61	31.82	31.43	31.04	30.67	30.32	30.29
MAX	34.19	34.17	33.52	33.79	33.78	33.10	32.10	31.59	31.28	30.81	30.52	30.52
MIN	33.83	33.54	33.38	33.49	33.14	32.13	31.61	31.30	30.79	30.53	30.19	30.16

HYDROGRAPH



HAMPTON COUNTY

325005081122800. Local number, HAM-82.

LOCATION.--Lat 32°50'05", long 81°12'28", Hydrologic Unit 03050208, at the intersection of State Hwy. 363 and State road 41, 5.7 mile (9.2 km) west of Hampton on SC-363, and at Hampton County landfill.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Santee Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 200 ft (61.0 m), cased to 98 ft (30.0 m), open hole to 200 ft (61.0 m).

DATUM.--Land-surface datum is 125 ft (38.11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.8 ft (0.85 m) above land-surface datum.

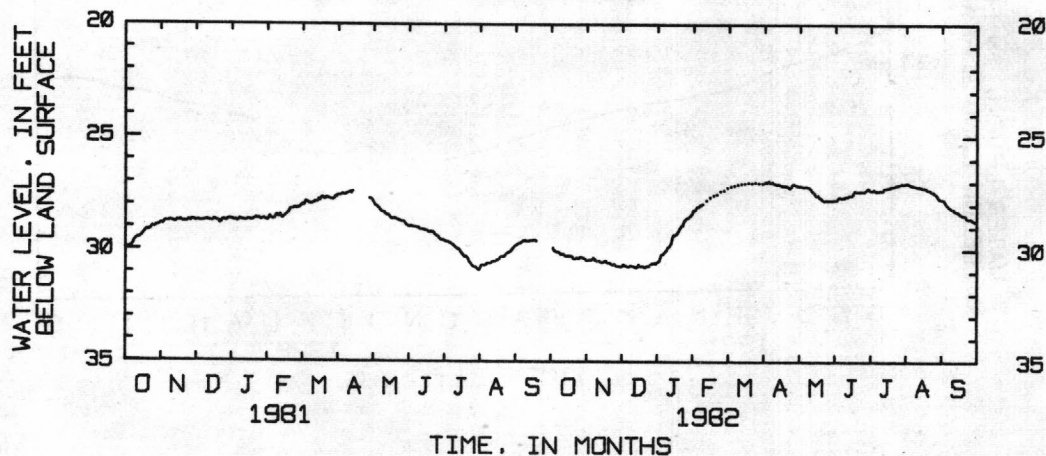
PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 25.55 (7.79 m) below land-surface datum, Apr. 5, 1977; lowest, 30.91 ft (9.42 m) below land-surface datum, July 31, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	30.48	30.72	30.53	28.25	27.25	27.04	27.18	27.79	27.32	27.05	27.78
2	29.92	30.46	30.66	30.48	28.21	27.21	27.04	27.18	27.79	27.38	27.04	27.79
3	30.00	30.46	30.72	30.31	28.10	27.23	26.99	27.17	27.80	27.38	27.05	27.81
4	30.05	30.47	30.72	30.18	28.09	27.20	27.02	27.18	27.74	27.35	27.08	27.88
5	30.09	30.43	30.76	30.20	28.07	27.23	26.99	27.21	27.67	27.33	27.11	27.97
6	30.09	30.36	30.77	30.13	28.00	27.20	26.94	27.21	27.68	27.39	27.14	28.02
7	30.10	30.41	30.75	30.07	28.00	27.16	27.04	27.21	27.70	27.40	27.15	28.08
8	30.15	30.49	30.71	30.03	27.96	27.13	27.03	27.19	27.70	27.39	27.16	28.13
9	30.19	30.51	30.74	29.90	27.95	27.08	26.99	27.23	27.68	27.39	27.17	28.17
10	30.19	30.50	30.74	29.86	27.90	27.11	27.07	27.25	27.67	27.37	27.19	28.19
11	30.20	30.49	30.76	29.81	27.80	27.13	27.07	27.28	27.64	27.38	27.21	28.20
12	30.23	30.54	30.78	29.72	27.78	27.11	27.09	27.34	27.64	27.38	27.21	28.25
13	30.28	30.58	30.82	29.51	27.73	27.08	27.09	27.40	27.62	27.36	27.21	28.30
14	30.30	30.56	30.76	29.33	27.68	27.06	27.08	27.45	27.59	27.28	27.22	28.31
15	30.28	30.53	30.66	29.37	27.67	27.09	27.11	27.51	27.59	27.28	27.25	28.32
16	30.26	30.50	30.75	29.31	27.60	27.07	27.15	27.58	27.59	27.26	27.27	28.35
17	30.30	30.51	30.76	29.28	27.58	27.05	27.17	27.62	27.55	27.25	27.28	28.41
18	30.28	30.58	30.72	29.20	27.61	27.03	27.16	27.59	27.42	27.24	27.27	28.44
19	30.33	30.60	30.77	29.09	27.57	27.01	27.17	27.67	27.39	27.22	27.31	28.47
20	30.40	30.58	30.79	29.01	27.55	26.98	27.16	27.71	27.41	27.19	27.35	28.48
21	30.41	30.64	30.78	28.92	27.50	27.02	27.18	27.75	27.42	27.18	27.35	28.49
22	30.38	30.68	30.74	28.90	27.43	27.04	27.20	27.80	27.42	27.18	27.37	28.52
23	30.35	30.70	30.72	28.74	27.40	27.00	27.26	27.83	27.42	27.17	27.41	28.61
24	30.39	30.64	30.74	28.67	27.39	26.98	27.26	27.83	27.42	27.13	27.44	28.63
25	30.36	30.71	30.68	28.61	27.38	27.02	27.21	27.81	27.42	27.13	27.45	28.63
26	30.33	30.75	30.63	28.57	27.37	27.03	27.10	27.81	27.41	27.11	27.51	28.61
27	30.34	30.74	30.60	28.57	27.35	27.04	27.08	27.82	27.40	27.09	27.55	28.65
28	30.36	30.74	30.62	28.50	27.28	27.04	27.10	27.81	27.36	27.08	27.58	28.70
29	30.39	30.77	30.59	28.46	---	26.98	27.15	27.82	27.31	27.06	27.67	28.73
30	30.43	30.76	30.63	28.38	---	27.00	27.17	27.82	27.28	27.08	27.74	28.75
31	30.48	---	30.55	28.25	---	27.05	---	27.81	---	27.07	27.76	---
MEAN		30.57	30.71	29.35	27.72	27.08	27.10	27.52	27.55	27.25	27.31	28.32
MAX		30.77	30.82	30.53	28.25	27.25	27.26	27.83	27.80	27.40	27.76	28.75
MIN		30.36	30.55	28.25	27.28	26.98	26.94	27.17	27.28	27.06	27.04	27.78

HYDROGRAPH



HAMPTON COUNTY

324143080505900. Local number, HAM-83.

LOCATION.--Lat 32°41'43", long 80°50'59", Hydrologic Unit 03050208, northwest of Ebenezer Methodist Church, 170 ft (51.8 m) northeast and 80 ft (24.4 m) northwest of intersection of state road 44 and state road 10, 0.4 mi (0.64 km) northwest of the intersection of state road 44 and U.S. Hwy 17A-21 in Yemassee.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Hawthorne Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 190 ft (58.0 m), cased to 85.5 ft (26.1 m), open hole 85.5 ft (26.1 m) to 190 ft (58.0 m).

DATUM.--Land-surface datum is 45 ft (13.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.7 ft (0.21 m) above land-surface datum.

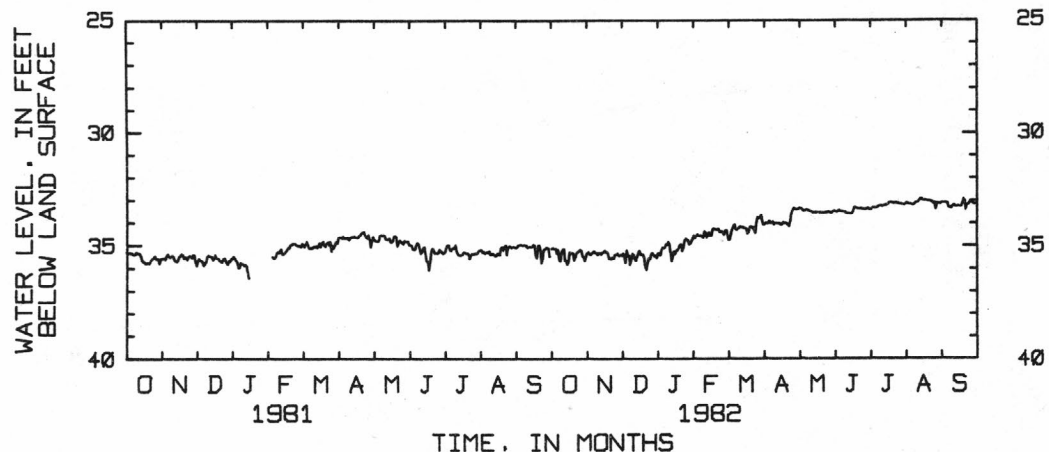
PERIOD OF RECORD.--May 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 32.94 ft (10.0 m) below land-surface datum, Aug. 14, 1982; lowest, 36.48 ft (11.12 m) below land-surface datum, Jan. 4, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.16	35.30	35.36	35.34	34.69	34.56	34.11	33.39	33.49	33.42	33.18	33.13
2	35.12	35.39	35.47	35.44	34.60	34.78	34.07	33.36	33.51	33.43	33.14	33.12
3	35.17	35.42	35.77	35.22	34.53	34.74	34.01	33.37	33.54	33.40	33.17	33.12
4	35.14	35.35	35.22	35.10	34.59	34.50	34.05	33.40	33.50	33.34	33.18	33.12
5	35.36	35.30	35.45	35.12	34.58	34.30	34.02	33.47	33.46	33.33	33.19	33.14
6	35.20	35.26	35.47	35.09	34.57	34.17	33.93	33.46	33.50	33.35	33.21	33.17
7	35.63	35.34	35.84	34.96	34.63	34.09	34.05	33.45	33.52	33.33	33.23	33.33
8	35.70	35.35	35.64	34.97	34.66	34.30	34.02	33.43	33.51	33.31	33.21	33.35
9	35.33	35.41	35.38	34.86	34.40	34.33	33.97	33.48	33.53	33.28	33.18	33.38
10	35.18	35.34	35.43	34.98	34.46	34.26	34.10	33.49	33.54	33.26	33.12	33.31
11	35.16	35.34	35.59	35.33	34.66	34.22	34.03	33.51	33.59	33.26	33.12	33.26
12	35.67	35.40	35.68	35.71	34.58	34.18	34.02	33.54	33.62	33.29	33.09	33.25
13	35.67	35.33	35.51	35.47	34.45	34.21	34.04	33.57	33.59	33.26	33.01	33.31
14	35.83	35.30	35.35	35.27	34.59	34.20	34.04	33.55	33.60	33.24	32.94	33.30
15	35.72	35.24	35.23	35.39	34.56	34.25	34.06	33.55	33.62	33.23	32.96	33.27
16	35.30	35.31	35.39	35.23	34.31	34.25	34.12	33.55	33.60	33.22	33.02	33.28
17	35.36	35.31	35.41	35.21	34.26	34.28	34.09	33.56	33.53	33.19	33.03	33.30
18	35.32	35.42	35.41	35.13	34.31	34.50	34.00	33.57	33.33	33.13	33.00	33.30
19	35.36	35.60	35.54	34.99	34.32	34.44	34.05	33.58	33.32	33.11	33.02	33.17
20	35.66	35.57	35.91	34.98	34.32	34.24	34.01	33.56	33.37	33.11	33.05	32.97
21	35.51	35.61	36.08	35.25	34.28	34.17	34.06	33.57	33.40	33.14	33.04	33.05
22	35.37	35.55	35.78	35.10	34.39	34.24	34.11	33.57	33.38	33.15	33.06	33.44
23	35.29	35.57	35.57	34.80	34.43	34.21	34.17	33.57	33.38	33.14	33.09	33.22
24	35.25	35.42	35.60	34.72	34.39	34.36	33.94	33.56	33.37	33.13	33.10	33.21
25	35.19	35.41	35.43	34.76	34.43	34.47	33.61	33.55	33.41	33.16	33.18	33.15
26	35.23	35.36	35.34	34.81	34.55	33.97	33.46	33.54	33.41	33.17	33.12	33.07
27	35.46	35.45	35.42	34.96	34.37	33.76	33.36	33.53	33.42	33.19	33.41	33.12
28	35.52	35.45	35.48	34.91	34.34	33.80	33.38	33.56	33.40	33.18	33.15	33.17
29	35.67	35.41	35.45	34.81	---	33.76	33.43	33.59	33.39	33.21	33.15	33.19
30	35.45	35.47	35.56	34.71	---	33.67	33.41	33.56	33.36	33.22	33.16	33.19
31	35.35	---	35.36	34.57	---	33.95	---	33.50	---	33.22	33.16	---
MEAN	35.40	35.40	35.52	35.07	34.47	34.23	33.92	33.51	33.47	33.24	33.12	33.21
MAX	35.83	35.61	36.08	35.71	34.69	34.78	34.17	33.59	33.62	33.43	33.41	33.44
MTN	35.12	35.24	35.22	34.57	34.26	33.67	33.36	33.36	33.32	33.11	32.94	32.97

HYDROGRAPH



GROUND WATER LEVELS

HORRY COUNTY

335115079033500. Local number, HO-307.

LOCATION.--Lat 33°50'58", long 79°03'27", Hydrologic Unit 03040206, 0.75 mi (1.2 km) northeast from Intersection 701 & 501, and at Collins Park in Conway.

Owner: City of Conway.

AQUIFER.--Sands of Pee Dee and Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m), depth 438 ft (134 m), screen placement unknown.

DATUM.--Land-surface datum is 20 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.30 m) above land-surface datum.

REMARKS.--Record estimated Nov. 9-18, Nov. 24-Dec. 31, 1981, Jan. 1-4, 10-27, Feb. 14-Mar. 21, Mar. 24-May 16, 1982.

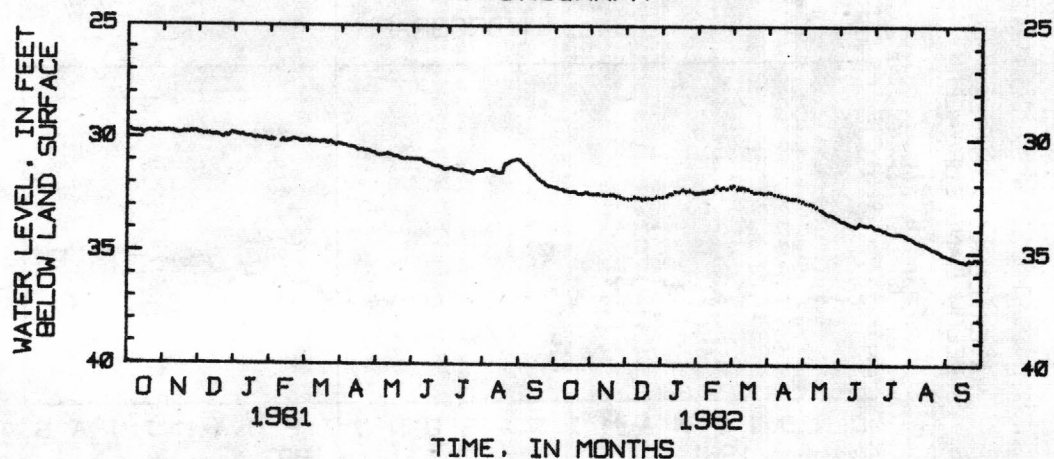
PERIOD OF RECORD.--May 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 11.91 ft (3.63 m) below land-surface datum, Oct. 12, 1974; lowest, 35.45 ft (10.80 m) below land-surface datum, Sept. 19, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.15	32.46	32.64	32.59	32.40	32.10	32.37	32.75	33.52	33.87	34.39	35.15
2	32.15	32.45	32.65	32.60	32.39	32.08	32.36	32.77	33.58	33.93	34.39	35.16
3	32.21	32.45	32.63	32.56	32.34	32.05	32.35	32.80	33.63	33.93	34.42	35.19
4	32.24	32.47	32.65	32.53	32.37	32.13	32.38	32.84	33.64	33.94	34.46	35.20
5	32.24	32.47	32.65	32.50	32.38	32.18	32.40	32.85	33.64	33.96	34.50	35.23
6	32.23	32.43	32.64	32.46	32.34	32.19	32.42	32.87	33.65	33.96	34.54	35.24
7	32.24	32.47	32.60	32.41	32.37	32.15	32.44	32.87	33.69	33.98	34.56	35.24
8	32.28	32.49	32.58	32.43	32.35	32.16	32.45	32.89	33.71	34.01	34.57	35.27
9	32.32	32.50	32.65	32.41	32.27	32.18	32.47	32.90	33.75	34.03	34.58	35.31
10	32.34	32.52	32.64	32.39	32.29	32.20	32.49	32.91	33.77	34.05	34.61	35.32
11	32.33	32.50	32.61	32.37	32.32	32.15	32.50	32.95	33.76	34.05	34.64	35.34
12	32.34	32.49	32.60	32.33	32.30	32.17	32.50	32.98	33.81	34.07	34.65	35.35
13	32.36	32.50	32.63	32.30	32.23	32.19	32.52	33.00	33.83	34.12	34.67	35.37
14	32.36	32.52	32.66	32.30	32.18	32.20	32.53	33.05	33.83	34.14	34.68	35.38
15	32.34	32.51	32.63	32.34	32.10	32.22	32.54	33.09	33.86	34.15	34.71	35.38
16	32.32	32.50	32.67	32.30	32.08	32.25	32.55	33.12	33.88	34.17	34.74	35.40
17	32.35	32.48	32.64	32.28	32.17	32.28	32.57	33.16	33.88	34.19	34.76	35.43
18	32.33	32.49	32.60	32.26	32.19	32.30	32.59	33.18	33.81	34.19	34.78	35.44
19	32.36	32.48	32.59	32.30	32.20	32.34	32.60	33.23	33.71	34.19	34.83	35.45
20	32.43	32.46	32.62	32.32	32.18	32.35	32.60	33.26	33.75	34.19	34.86	35.40
21	32.45	32.52	32.63	32.33	32.20	32.37	32.62	33.30	33.77	34.20	34.86	35.31
22	32.44	32.54	32.65	32.32	32.15	32.36	32.63	33.34	33.77	34.19	34.89	35.34
23	32.42	32.56	32.65	32.30	32.20	32.37	32.62	33.36	33.79	34.20	34.91	35.39
24	32.45	32.58	32.61	32.30	32.23	32.38	32.63	33.35	33.82	34.17	34.93	35.39
25	32.43	32.59	32.60	32.32	32.20	32.38	32.64	33.34	33.81	34.21	34.93	35.38
26	32.40	32.58	32.60	32.33	32.19	32.37	32.62	33.36	33.82	34.22	34.99	35.28
27	32.36	32.60	32.60	32.35	32.17	32.36	32.65	33.40	33.81	34.24	35.02	35.30
28	32.37	32.63	32.58	32.39	32.12	32.38	32.70	33.43	33.79	34.26	35.04	35.34
29	32.41	32.65	32.56	32.42	---	32.40	32.72	33.46	33.78	34.30	35.10	35.36
30	32.45	32.65	32.57	32.42	---	32.40	32.74	33.49	33.81	34.35	35.13	35.38
31	32.47	---	32.58	32.37	---	32.38	---	33.51	---	34.37	35.13	---
MEAN	32.34	32.52	32.62	32.38	32.25	32.26	32.54	33.12	33.76	34.12	34.75	35.32
MAX	32.47	32.65	32.68	32.60	32.40	32.40	32.74	33.51	33.88	34.37	35.13	35.45
MIN	32.15	32.43	32.56	32.26	32.08	32.05	32.35	32.75	33.52	33.87	34.39	35.15

HYDROGRAPH



HORRY COUNTY

334747078435400. Local number, HO-433.

LOCATION.--Lat 33°47'47", long 78°43'54", Hydrologic Unit 03040207, Windy Hill road at Park.

Owner: City of North Myrtle Beach.

AQUIFER.--Peedee and Black Creek Formations.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m) to 70 ft (21 m) to 480 ft (146 m), 2 in (0.05 m) to 512 ft (156 m), depth 512 ft (156 m), screened intervals 450-480 ft (137-146 m), 490-510 ft (149-155 m).

DATUM.--Land-surface datum is 20 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point is at land-surface datum.

REMARKS.--Record estimated Oct. 26-Nov. 15, Dec. 3-31, 1981, Jan. 1-4, Mar. 16-22, Apr. 30-May 16, Aug. 11-24, 1982.

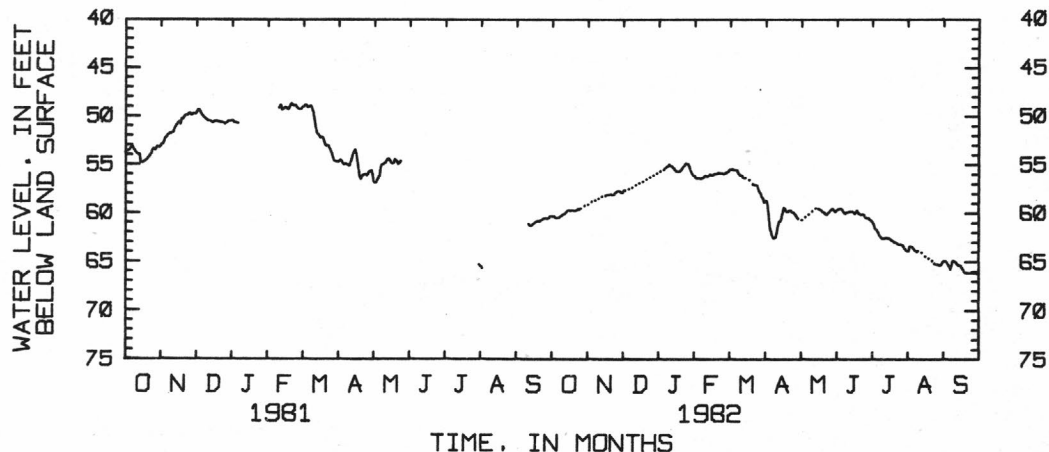
PERIOD OF RECORD.--June 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 36.17 ft (11.025 m) below land-surface datum, Dec. 16, 1977; lowest, 66.32 ft (20.214 m) below land-surface datum, July 21, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.32	59.00	57.68	55.70	56.45	55.67	58.71	60.75	59.77	60.82	63.95	64.93
2	60.30	58.90	57.66	55.65	56.45	55.53	58.78	60.70	59.64	60.92	63.91	64.93
3	60.44	58.80	57.65	55.60	56.42	55.51	59.10	60.65	59.61	61.14	63.46	64.94
4	60.49	58.80	57.60	55.55	56.49	55.49	60.16	60.60	59.53	61.51	63.46	65.09
5	60.49	58.75	57.55	55.43	56.48	55.57	61.43	60.40	59.53	61.70	63.52	65.31
6	60.44	58.70	57.50	55.29	56.43	55.60	61.90	60.35	59.64	61.83	63.65	65.52
7	60.40	58.60	57.40	55.19	56.40	55.59	62.30	60.25	59.83	62.05	63.80	65.77
8	60.29	58.55	57.40	55.15	56.28	55.68	62.61	60.15	59.98	62.27	63.91	65.41
9	60.20	58.50	57.30	54.99	56.19	55.89	62.54	60.00	60.09	62.45	64.00	64.91
10	60.11	58.40	57.20	55.17	56.27	56.10	62.52	60.00	59.93	62.63	63.92	64.93
11	60.09	58.35	57.15	55.20	56.26	56.16	62.04	59.80	59.94	62.67	63.95	65.03
12	59.97	58.30	57.10	55.35	56.16	56.21	61.35	59.70	59.87	62.64	64.00	65.09
13	59.83	58.30	57.00	55.47	56.07	56.37	60.84	59.60	59.84	62.60	64.10	65.27
14	59.73	58.25	56.95	55.63	56.13	56.45	60.77	59.50	59.85	62.59	64.20	65.38
15	59.70	58.20	56.90	55.77	56.14	56.39	60.54	59.50	59.83	62.61	64.35	65.41
16	59.74	58.18	56.90	55.74	56.07	56.45	59.95	59.55	59.92	62.62	64.45	65.46
17	59.72	58.12	56.80	55.75	55.99	56.50	59.43	59.60	60.10	62.67	64.50	65.62
18	59.73	58.12	56.75	55.69	56.00	56.60	59.57	59.63	59.91	62.83	64.60	65.80
19	59.74	58.09	56.60	55.59	55.95	56.80	59.85	59.72	59.76	62.87	64.70	66.09
20	59.78	58.05	56.55	55.43	55.88	56.95	59.85	59.86	59.99	62.94	64.80	66.16
21	59.71	58.16	56.45	55.23	55.93	57.05	59.81	59.90	60.11	63.06	64.85	66.16
22	59.65	58.12	56.40	55.10	55.96	57.10	59.71	60.01	60.20	63.08	64.95	66.16
23	59.58	58.05	56.35	54.89	55.95	57.16	59.76	60.17	60.17	63.16	65.10	66.17
24	59.64	57.88	56.25	54.94	56.00	57.13	59.93	60.16	60.18	63.25	65.20	66.17
25	59.52	57.81	56.20	54.94	56.00	57.21	59.94	59.99	60.26	63.27	65.28	66.17
26	59.40	57.73	56.15	55.22	55.88	57.49	60.08	59.88	60.43	63.24	65.32	66.18
27	59.30	57.72	56.10	55.60	55.89	57.82	60.21	59.73	60.55	63.31	65.33	66.19
28	59.25	57.85	56.00	55.85	55.78	58.01	60.42	59.57	60.55	63.39	65.37	66.20
29	59.20	57.93	55.95	56.10	---	58.33	60.58	59.58	60.57	63.55	65.43	66.21
30	59.15	57.91	55.85	56.22	---	58.50	60.70	59.76	60.70	63.72	65.34	66.26
31	59.10	---	55.80	56.28	---	58.94	---	59.86	---	63.88	65.11	---
MEAN	59.84	58.27	56.81	55.47	56.14	56.65	60.51	59.97	60.01	62.62	64.47	65.63
MAX	60.49	59.00	57.68	56.28	56.49	58.94	62.61	60.75	60.70	63.88	65.43	66.26
MIN	59.10	57.72	55.80	54.89	55.78	55.49	58.71	59.50	59.53	60.82	63.46	64.91

HYDROGRAPH



JASPER COUNTY

323111080592000. Local number, JAS-144.

LOCATION.--Lat 32°31'11"N, long 80°59'20"W, Hydrologic Unit 03050208, 3.5 mi (5.6 km) northwest of Ridgeland, 200 ft (60.9 m) north of state road 175, 0.1 mi (0.2 km) east of the intersection of state road 39 and state road 175 and 1.6 mi (2.6 km) west of the intersection of state road 175 and U.S. hwy 17.

Owner: Ted Roach.

AQUIFER.--Hawthorne Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 189 ft (57.6 m) cased to 104 ft (31.7 m), open hole 104 ft (31.7 m) to 189 ft (57.6 m).

DATUM.--Land-surface datum is 82 ft (25.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.6 ft (0.5 m) above land-surface datum.

REMARKS.--Record estimated Dec. 25, 1981-Jan. 4, 1982, Jan. 30-Feb. 7, May 26-June 5, June 13-26, July 12-17, Aug. 13-17, 1982.

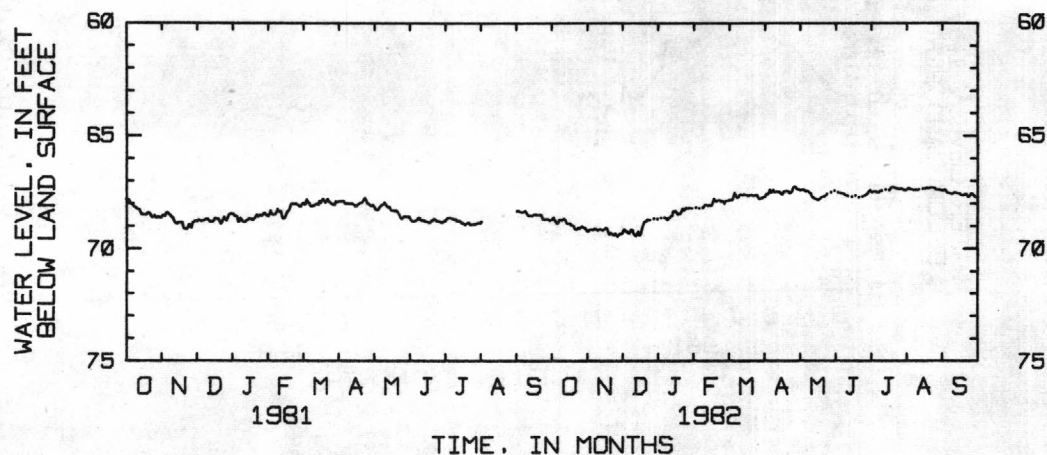
PERIOD OF RECORD.--February 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 64.78 ft (19.74 m) below land-surface datum, April 15, 1975; lowest, 69.5 ft (21.2 m) below land-surface datum, Nov. 26, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68.74	69.26	69.23	68.60	68.19	67.88	67.72	67.42	67.44	67.44	67.41	67.47
2	68.63	69.19	69.18	68.64	68.20	67.85	67.70	67.44	67.50	67.53	67.39	67.46
3	68.76	69.18	69.26	68.62	68.21	67.84	67.60	67.41	67.53	67.53	67.35	67.42
4	68.83	69.17	69.25	68.61	68.22	67.84	67.60	67.40	67.54	67.50	67.36	67.46
5	68.90	69.19	69.31	68.63	68.21	67.84	67.56	67.40	67.56	67.50	67.40	67.54
6	68.85	69.13	69.35	68.65	68.20	67.67	67.41	67.45	67.58	67.50	67.41	67.57
7	68.72	69.13	69.28	68.67	68.19	67.54	67.55	67.51	67.59	67.54	67.44	67.58
8	68.74	69.19	69.18	68.75	68.18	67.68	67.51	67.46	67.61	67.55	67.44	67.57
9	68.76	69.21	69.71	68.64	68.08	67.76	67.42	67.50	67.64	67.51	67.42	67.62
10	68.71	69.17	69.35	68.65	68.06	67.72	67.52	67.56	67.67	67.47	67.42	67.60
11	68.68	69.15	69.42	68.57	68.12	67.65	67.49	67.59	67.69	67.46	67.43	67.56
12	68.75	69.19	69.47	68.56	68.13	67.61	67.50	67.70	67.70	67.44	67.39	67.55
13	68.87	69.23	69.37	68.36	68.08	67.63	67.50	67.77	67.72	67.42	67.36	67.56
14	68.92	69.17	69.27	68.37	68.10	67.65	67.50	67.81	67.73	67.40	67.34	67.59
15	68.92	69.14	69.44	68.34	68.09	67.61	67.55	67.83	67.73	67.38	67.38	67.60
16	68.89	69.10	69.40	68.43	67.97	67.65	67.61	67.85	67.72	67.40	67.40	67.60
17	68.98	69.14	69.18	68.50	67.81	67.64	67.61	67.87	67.70	67.43	67.36	67.65
18	68.99	69.31	69.00	68.46	67.88	67.67	67.50	67.85	67.67	67.40	67.35	67.68
19	69.03	69.39	68.85	68.46	67.93	67.67	67.49	67.81	67.68	67.33	67.34	67.68
20	69.14	69.32	68.80	68.36	67.88	67.63	67.45	67.75	67.72	67.30	67.34	67.64
21	69.18	69.38	68.78	68.25	67.85	67.64	67.47	67.72	67.75	67.31	67.34	67.62
22	69.17	69.41	68.72	68.34	67.86	67.67	67.49	67.70	67.78	67.34	67.33	67.64
23	69.10	69.44	68.74	68.27	67.93	67.68	67.57	67.70	67.75	67.35	67.33	67.73
24	69.13	69.35	68.74	68.20	67.90	67.67	67.56	67.66	67.73	67.36	67.33	67.73
25	69.09	69.43	68.70	68.25	67.92	67.64	67.49	67.60	67.68	67.38	67.34	67.68
26	69.03	69.50	68.70	68.22	68.02	67.65	67.34	67.55	67.68	67.39	67.37	67.60
27	69.06	69.42	68.67	68.20	67.91	67.75	67.28	67.50	67.69	67.37	67.41	67.61
28	69.11	69.36	68.64	68.23	67.88	67.83	67.30	67.53	67.61	67.37	67.42	67.68
29	69.11	69.38	68.68	68.22	---	67.79	67.38	67.50	67.58	67.39	67.42	67.71
30	69.19	69.34	68.69	68.20	---	67.77	67.40	67.48	67.50	67.44	67.43	67.77
31	69.27	---	68.62	68.18	---	67.75	---	67.46	---	67.45	67.45	---
MEAN	68.94	69.27	69.05	68.43	68.04	67.71	67.50	67.61	67.65	67.43	67.38	67.61
MAX	69.27	69.50	69.47	68.75	68.22	67.88	67.72	67.87	67.78	67.55	67.45	67.77
MIN	68.63	69.10	68.62	68.18	67.81	67.54	67.28	67.40	67.44	67.30	67.33	67.42

HYDROGRAPH



KERSHAW COUNTY

341004080474000. Local number, KER-100.

LOCATION.--Lat 34°10'04", long 80°47'40", Hydrologic unit 03050104, 100 ft (30.5 m) east of junction at SC-102 and SC-275 in Elgin.

Owner: Town of Elgin.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, gravel, diameter 8 in (0.20 m), depth 233 ft (71 m), screened intervals 110-115 ft (33.5-35.0 m), 151-156 ft (46-47.5 m), 166-171 ft (50.6-52.1 m), 181-186 ft (55.2-56.7 m), 198-203 ft (60.4-61.9 m), 223-228 ft (68.1-69.5 m).

DATUM.--Land surface datum is 405 ft (123.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1 ft (0.30 m) above land-surface datum.

REMARKS.--Caliper logged Aug. 17, 1978, depth 218 ft (66.4 m). Gamma logged Aug. 10, 1978, depth 219 ft (66.8 m).

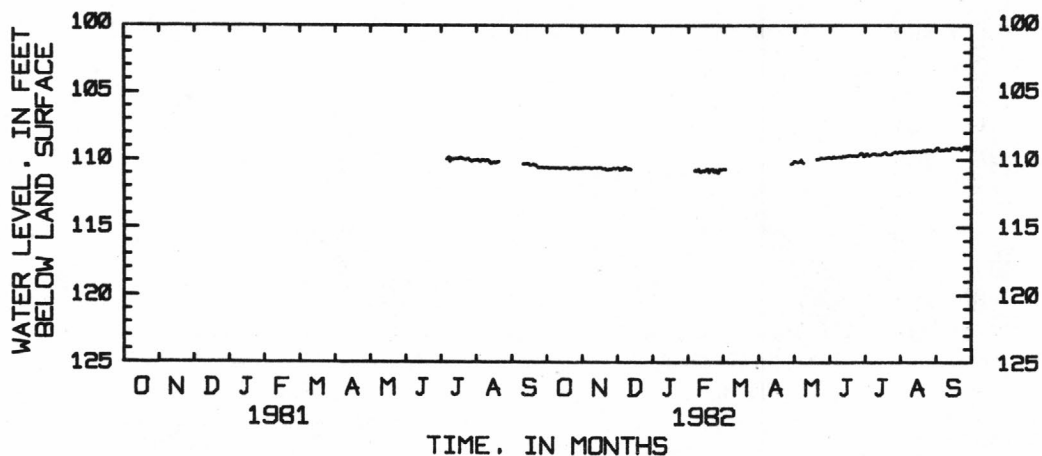
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 109.16 ft (33.3 m) below land-surface datum, Sept. 26, 1982; lowest, 111.09 ft (33.9 m) below land-surface datum, Feb. 26, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET). WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110.66	110.69	110.68		---	110.84	---	110.34	109.88	109.85	109.49	109.33
2	110.65	110.68	110.73		---	110.79	---	110.18	109.99	109.82	109.50	109.23
3	110.73	110.68	110.89		---	110.78	---	110.21	110.01	109.67	109.53	109.22
4	110.68	110.68	110.75		---	110.80	---	110.27	109.95	109.63	109.57	109.39
5	110.68	110.68	110.83		110.91	---	---	110.32	109.83	109.77	109.56	109.42
6	110.67	110.68	110.75		110.82	---	---	110.25	109.95	109.79	109.57	109.37
7	110.67	110.70	110.63		110.96	---	---	110.23	109.95	109.75	109.56	109.38
8	110.69	110.75	110.68		110.88	---	---	110.10	109.90	109.68	109.48	109.38
9	110.69	110.70	110.83		110.78	---	---	110.30	109.90	109.65	109.45	109.36
10	110.68	110.69	110.72		110.99	---	---	110.34	109.86	109.65	109.57	109.28
11	110.68	110.68	110.77		111.02	---	---	---	109.92	109.66	109.50	109.30
12	110.69	110.70	110.82		110.94	---	---	---	109.93	109.74	109.46	109.38
13	110.72	110.71	---		110.88	---	---	---	109.82	109.72	109.49	109.38
14	110.70	110.68	---		110.99	---	---	---	109.87	109.71	109.46	109.27
15	110.67	110.68	---		110.87	---	---	---	109.85	109.72	109.50	109.21
16	110.66	110.68	---		110.78	---	---	---	109.79	109.72	109.51	109.23
17	110.70	110.71	---		110.79	110.62	---	---	109.82	109.66	109.44	109.30
18	110.66	110.77	---		111.05	---	---	---	109.76	109.61	109.45	109.28
19	110.74	110.77	---		110.89	---	---	---	109.75	109.56	109.53	109.28
20	110.80	110.72	---		110.81	---	---	---	109.81	109.56	109.49	109.27
21	110.72	110.85	---		110.79	---	---	110.07	109.81	109.70	109.39	109.24
22	110.69	110.85	---		110.99	---	---	110.07	109.80	109.72	109.43	109.27
23	110.63	110.85	---		111.01	---	---	110.04	109.80	109.72	109.43	109.38
24	110.74	110.77	---		110.82	---	---	110.04	109.79	109.72	109.42	109.30
25	110.68	110.84	---		111.02	---	---	109.95	109.83	109.68	109.35	109.19
26	110.68	110.79	---		111.09	---	---	110.00	109.80	109.60	109.43	109.16
27	110.70	110.69	---		110.79	---	---	109.99	109.74	109.57	109.37	109.32
28	110.74	110.75	---		110.84	---	---	109.99	109.65	109.52	109.40	109.37
29	110.69	110.80	---		---	---	110.39	109.96	109.57	109.59	109.44	109.31
30	110.73	110.72	---		---	---	110.37	109.93	109.69	109.63	109.42	109.28
31	110.71	---	---		---	---	---	109.92	---	109.53	109.39	---
MEAN	110.70	110.73							109.83	109.67	109.47	109.30
MAX	110.80	110.85							110.01	109.85	109.57	109.42
MIN	110.65	110.68							109.57	109.52	109.35	109.16

HYDROGRAPH



LEE COUNTY

341405080110100. Local number, LE-23.

LOCATION.--Lat 34°14'05", long 80°11'01", Hydrologic unit 03040202, 395 ft (120.4 m) east and 450 ft (137.2 m) north of the cemetery near Way Side Church and SC-31-22 near Bishopville.

Owner: Robert W. Merck.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 350 ft (106.7 m), cased to 350 ft (106.7 m).

DATUM.--Land surface datum is 205 ft (62.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3 ft (0.91 m) above land-surface datum.

REMARKS.--Gamma log, June 3, 1977, depth 350 ft (106.7 m). Record estimated Dec. 22, 1981-Jan. 18, 1982, Feb. 21-Mar. 9, 1982.

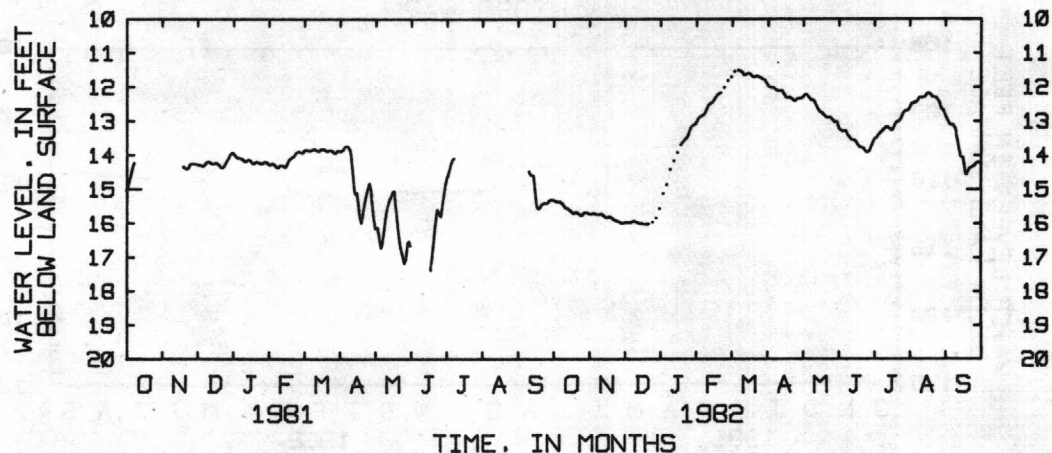
PERIOD OF RECORD.--June 1980 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 11.5 ft (3.5 m) below land-surface datum, estimated Mar. 5-8, 1982; lowest, 17.37 ft (5.29 m) below land-surface datum, June 18, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.31	15.73	15.96	15.25	12.92	11.69	11.90	12.30	13.13	13.60	12.62	12.84
2	15.33	15.70	15.96	15.10	12.87	11.65	11.96	12.27	13.22	13.51	12.55	12.91
3	15.35	15.69	15.96	15.00	12.84	11.60	12.00	12.23	13.26	13.48	12.48	12.99
4	15.35	15.69	15.96	14.92	12.82	11.53	12.01	12.20	13.28	13.47	12.46	13.06
5	15.34	15.71	15.96	14.85	12.81	11.50	12.01	12.21	13.30	13.42	12.44	13.11
6	15.35	15.72	15.96	14.75	12.78	11.50	12.01	12.26	13.29	13.37	12.43	13.11
7	15.38	15.73	15.94	14.50	12.72	11.50	12.02	12.31	13.27	13.33	12.42	13.10
8	15.41	15.73	15.93	14.40	12.64	11.50	12.06	12.36	13.30	13.29	12.39	13.12
9	15.46	15.72	15.93	14.28	12.57	11.52	12.09	12.38	13.38	13.26	12.33	13.18
10	15.51	15.71	15.94	14.20	12.50	11.53	12.11	12.39	13.43	13.22	12.29	13.26
11	15.54	15.73	15.96	14.15	12.47	11.57	12.12	12.40	13.48	13.19	12.29	13.51
12	15.54	15.76	15.98	14.08	12.45	11.62	12.11	12.45	13.52	13.16	12.29	13.65
13	15.57	15.79	16.00	14.00	12.42	11.64	12.10	12.52	13.55	13.15	12.29	13.87
14	15.60	15.82	16.00	13.90	12.39	11.62	12.11	12.60	13.55	13.17	12.28	14.03
15	15.63	15.82	16.00	13.82	12.34	11.59	12.17	12.66	13.56	13.21	12.25	14.06
16	15.66	15.81	16.00	13.75	12.28	11.58	12.23	12.71	13.59	13.24	12.20	14.08
17	15.69	15.80	16.01	13.68	12.23	11.59	12.30	12.74	13.64	13.26	12.17	14.26
18	15.69	15.81	16.01	13.62	12.19	11.62	12.31	12.76	13.70	13.22	12.17	14.52
19	15.66	15.83	16.01	13.59	12.17	11.67	12.30	12.80	13.74	13.14	12.20	14.57
20	15.66	15.86	16.01	13.55	12.15	11.69	12.30	12.83	13.76	13.07	12.25	14.49
21	15.69	15.88	16.01	13.50	12.12	11.70	12.31	12.87	13.76	13.02	12.29	14.42
22	15.72	15.91	16.00	13.47	12.09	11.68	12.34	12.89	13.78	13.00	12.30	14.37
23	15.75	15.92	15.99	13.42	12.00	11.66	12.37	12.89	13.81	12.99	12.29	14.35
24	15.76	15.93	15.95	13.34	11.92	11.67	12.41	12.88	13.86	12.96	12.31	14.33
25	15.74	15.94	15.92	13.24	11.85	11.69	12.40	12.88	13.90	12.90	12.35	14.31
26	15.69	15.96	15.88	13.15	11.80	11.71	12.37	12.91	13.91	12.81	12.40	14.29
27	15.67	15.99	15.83	13.11	11.75	11.74	12.34	12.96	13.89	12.74	12.46	14.23
28	15.67	15.99	15.75	13.09	11.72	11.76	12.33	13.00	13.85	12.70	12.58	14.20
29	15.68	15.99	15.69	13.07	---	11.78	12.32	13.03	13.77	12.68	12.65	14.19
30	15.70	15.97	15.55	13.05	---	11.80	12.32	13.03	13.69	12.67	12.68	14.19
31	15.72	---	15.45	12.99	---	11.85	---	13.02	---	12.66	12.74	---
MEAN	15.57	15.82	15.92	13.90	12.35	11.64	12.19	12.64	13.57	13.13	12.38	13.82
MAX	15.76	15.99	16.01	15.25	12.92	11.85	12.41	13.03	13.91	13.60	12.74	14.57
MIN	15.31	15.69	15.45	12.99	11.72	11.50	11.90	12.20	13.13	12.66	12.17	12.84

HYDROGRAPH



MARLBORO COUNTY

342935079431000. Local number, MLB-110.

LOCATION.--Lat 34°29'35", long 79°43'10", Hydrologic unit 03040201, 154 ft (46.9 m) north of S-35-264 and 150 ft (45.7 m) east of S-35-57, south of railroad tracks at Oak River Mills in Bennettsville.

Owner: Oak River Mills.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in (0.25 m), depth 115 ft (35.0 m), screened interval 75-115 ft (22.9-35.0 m).

DATUM.--Land surface datum is 95 ft (29 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft (0.15 m) above land-surface datum.

REMARKS.--1957 water-quality analysis on file in District office.

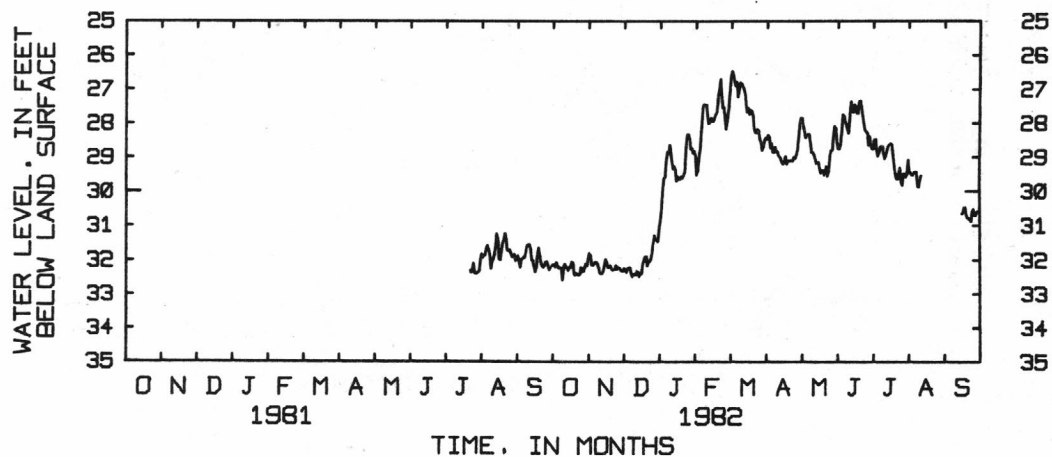
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 26.46 ft (8.1 m) below land-surface datum, Mar. 3, 1982; lowest, 32.59 ft (9.9 m) below land-surface datum, Oct. 9, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.14	31.80	32.25	30.89	29.53	27.08	28.42	27.83	28.53	28.75	29.07	---
2	32.12	31.86	32.27	30.57	29.41	26.62	28.47	27.84	28.75	28.76	29.45	---
3	32.19	32.13	32.37	30.04	29.04	26.46	28.33	28.09	28.76	28.50	29.46	---
4	32.06	32.15	32.27	29.63	28.77	26.60	28.39	28.23	28.66	28.46	29.51	---
5	32.17	32.12	32.22	29.59	28.13	26.78	28.72	28.43	28.28	28.78	29.52	---
6	32.24	32.06	32.22	29.12	27.53	26.90	28.59	28.35	27.73	28.97	29.44	---
7	32.22	32.06	32.41	28.84	27.43	26.79	28.84	28.32	27.79	28.87	29.43	---
8	32.23	32.11	32.50	28.91	27.47	27.23	28.86	28.32	27.94	28.71	29.43	---
9	32.59	32.23	32.42	28.63	27.44	27.00	28.70	28.56	28.03	28.67	29.84	---
10	32.22	32.39	32.42	28.91	27.77	26.80	28.84	28.86	28.18	28.68	29.88	---
11	32.11	32.41	32.44	29.13	28.01	26.83	28.82	28.86	28.29	28.89	29.65	---
12	32.21	32.40	32.33	29.35	27.98	26.90	28.94	28.92	27.79	29.05	29.54	---
13	32.21	32.33	32.36	29.27	27.84	26.98	28.99	29.03	27.36	28.93	---	---
14	32.31	32.15	32.50	29.37	27.93	27.11	29.06	29.18	27.63	28.77	---	---
15	32.20	31.97	32.38	29.71	27.94	27.46	29.15	29.14	27.68	28.66	---	---
16	32.20	32.04	32.41	29.57	27.84	27.68	29.20	29.14	27.44	28.62	---	30.66
17	32.04	32.20	32.10	29.65	27.74	27.55	29.11	29.32	27.50	28.59	---	30.64
18	32.08	32.22	32.02	29.65	27.66	27.74	28.96	29.46	27.69	28.62	---	30.48
19	32.42	32.16	31.90	29.57	27.23	27.61	29.20	29.42	27.71	28.95	---	30.47
20	32.44	32.25	31.89	29.62	27.00	27.65	29.10	29.38	27.36	29.23	---	30.70
21	32.39	32.31	32.18	29.55	26.69	27.79	29.09	29.51	27.32	29.47	---	30.80
22	32.41	32.28	32.04	29.45	27.23	28.13	29.11	29.47	27.51	29.63	---	30.79
23	32.45	32.26	32.02	28.65	27.56	28.27	29.08	29.27	27.78	29.64	---	30.84
24	32.41	32.15	31.96	28.32	27.53	28.28	29.11	29.56	28.01	29.46	---	30.89
25	32.21	32.27	31.80	28.32	27.87	28.17	29.00	29.42	28.20	29.31	---	30.59
26	32.35	32.21	31.53	28.45	28.18	28.22	29.04	28.96	28.25	29.72	---	30.52
27	32.33	32.23	31.31	28.77	27.88	28.47	28.93	28.78	28.29	29.82	---	30.70
28	32.24	32.31	31.40	28.75	27.58	28.56	28.78	28.77	28.65	29.47	---	30.71
29	32.10	32.32	31.43	28.88	---	28.79	28.40	28.35	28.38	29.48	---	30.62
30	32.17	32.33	31.48	28.83	---	28.70	28.01	28.08	28.66	29.57	---	30.59
31	31.95	---	31.13	28.95	---	28.50	---	28.14	---	29.50	---	---
MEAN	32.24	32.19	32.06	29.26	27.86	27.54	28.84	28.81	28.01	29.05		
MAX	32.59	32.41	32.50	30.89	29.53	28.79	29.20	29.56	28.76	29.82		
MIN	31.95	31.80	31.13	28.32	26.69	26.46	28.01	27.83	27.32	28.46		

HYDROGRAPH



343715079411500. Local number, MLB-112.

LOCATION.--Lat 34°37'15", long 79°41'15", Hydrologic Unit 03040201, in Bennettsville at National Guard Armory.

Owner: Town of Bennettsville.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m), depth 345 ft (105.2 m), perforated 220-320 ft (67-97.5 m), screened 320-335 ft (97.5-102 m).

DATUM.--Land-surface datum is 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pad, 1.20 ft (0.37 m) above land-surface datum.

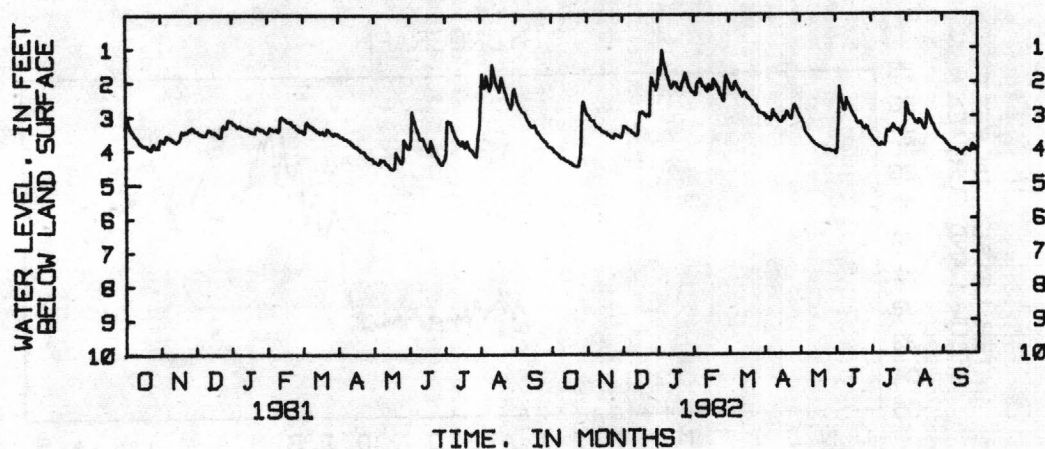
PERIOD OF RECORD.--January 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 0.85 ft (0.26 m) below land-surface datum, Feb. 2, 1973; lowest, 5.29 ft (1.61 m) below land-surface datum, Sept. 16, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.90	2.94	3.49	1.57	2.35	1.88	2.93	2.91	4.05	3.51	2.60	3.67
2	3.94	2.98	3.26	1.79	2.37	1.98	2.97	2.99	4.10	3.57	2.67	3.70
3	4.01	3.05	3.28	1.47	2.03	2.07	2.97	3.05	3.95	3.61	2.83	3.73
4	4.04	3.11	3.30	1.04	1.97	2.15	3.06	3.12	3.21	3.67	2.96	3.77
5	4.06	3.11	3.35	1.29	2.00	2.22	3.04	3.20	2.12	3.71	2.98	3.83
6	4.08	3.11	3.38	1.48	1.88	2.21	3.02	3.34	2.37	3.75	2.97	3.86
7	4.12	3.20	3.38	1.62	2.02	2.02	3.12	3.46	2.56	3.79	3.06	3.90
8	4.17	3.27	3.40	1.77	2.11	1.97	3.05	3.51	2.70	3.82	3.12	3.94
9	4.20	3.30	3.46	1.83	2.11	2.07	2.81	3.56	2.82	3.87	3.17	3.97
10	4.22	3.32	3.48	1.98	2.15	2.14	2.91	3.60	2.82	3.86	3.22	3.98
11	4.22	3.33	3.51	2.09	2.24	2.20	2.95	3.63	2.46	3.78	3.24	3.99
12	4.26	3.38	3.55	2.17	2.26	2.26	3.02	3.69	2.58	3.83	3.10	3.98
13	4.29	3.42	3.56	2.12	2.06	2.32	3.06	3.73	2.65	3.86	3.14	4.02
14	4.31	3.43	3.51	1.99	2.13	2.41	3.10	3.76	2.72	3.86	3.19	4.04
15	4.32	3.45	3.13	2.00	2.20	2.30	3.14	3.81	2.82	3.53	3.28	4.06
16	4.34	3.47	2.86	2.01	2.19	2.28	3.17	3.84	2.89	3.40	3.34	4.10
17	4.37	3.47	2.88	2.11	1.89	2.33	3.14	3.85	2.97	3.45	3.39	4.14
18	4.36	3.52	2.84	2.17	1.98	2.43	3.00	3.88	3.01	3.44	3.28	4.15
19	4.41	3.54	2.88	2.18	2.03	2.45	3.08	3.91	3.08	3.36	2.85	4.05
20	4.44	3.55	2.93	2.22	2.08	2.49	2.97	3.93	3.16	3.33	2.92	4.02
21	4.45	3.60	2.97	2.03	2.14	2.51	2.85	3.94	3.21	3.24	2.99	3.99
22	4.45	3.62	2.92	1.97	2.28	2.55	2.91	3.97	3.20	3.31	3.09	3.95
23	4.44	3.63	2.94	1.83	2.36	2.62	3.00	4.00	3.16	3.37	3.17	4.00
24	4.44	3.50	2.98	1.71	2.38	2.65	3.05	4.00	3.24	3.39	3.25	4.03
25	4.26	3.52	2.16	1.86	2.48	2.67	3.08	3.99	3.31	3.40	3.31	4.06
26	3.86	3.55	1.85	2.00	2.54	2.72	2.82	4.00	3.37	3.44	3.41	3.90
27	2.83	3.55	1.98	2.13	2.01	2.81	2.67	3.98	3.39	3.51	3.46	3.82
28	2.53	3.57	2.10	2.17	1.79	2.87	2.64	4.00	3.28	3.57	3.51	3.87
29	2.68	3.61	2.08	2.25	---	2.89	2.75	4.01	3.33	3.36	3.58	3.91
30	2.80	3.61	2.22	2.29	---	2.89	2.84	4.03	3.43	3.30	3.62	3.94
31	2.89	---	2.04	2.29	---	2.90	---	4.02	---	3.24	3.64	---
MEAN	3.99	3.39	2.96	1.92	2.14	2.40	2.97	3.70	3.07	3.55	3.17	3.95
MAX	4.45	3.63	3.56	2.29	2.54	2.90	3.17	4.03	4.10	3.87	3.64	4.15
MIN	2.53	2.94	1.85	1.04	1.79	1.88	2.64	2.91	2.12	3.24	2.60	3.67

HYDROGRAPH



ORANGEBURG COUNTY

332649081072500. Local number, ORG-95.

LOCATION.--Lat 33°26'49", long 81°07'25", Hydrologic unit 03050204, 40 ft (12.2 m) east on First Street (SC-38-628) and 70 ft (21.3 m) north of Saxton Street (SC-38-213) in Norway.

Owner: Town of Norway.

AQUIFER.--Santee Limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m), depth 250 ft (76.2 m), screened intervals 173-193 ft (53-58.8 m), 200-220 ft (61-67.1 m), 228-238 ft (69.5-72.5 m), gravel finish.

DATUM.--Land surface datum is 240 ft (73.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.7 ft (0.2 m) above land-surface datum.

REMARKS.--Test hole electric and gamma logged Feb. 20, 1973 to a depth of 300 ft (91.4 m). Gamma logged Apr. 6, 1979 to a depth of 220 ft (67.1 m). Gamma logged in 1981 to a depth of 204 ft (62.2 m). Electric logged Apr. 6, 1979, depth 220 ft (67.1 m). Caliper logged Apr. 6, 1979, depth 220 ft (67.1 m).

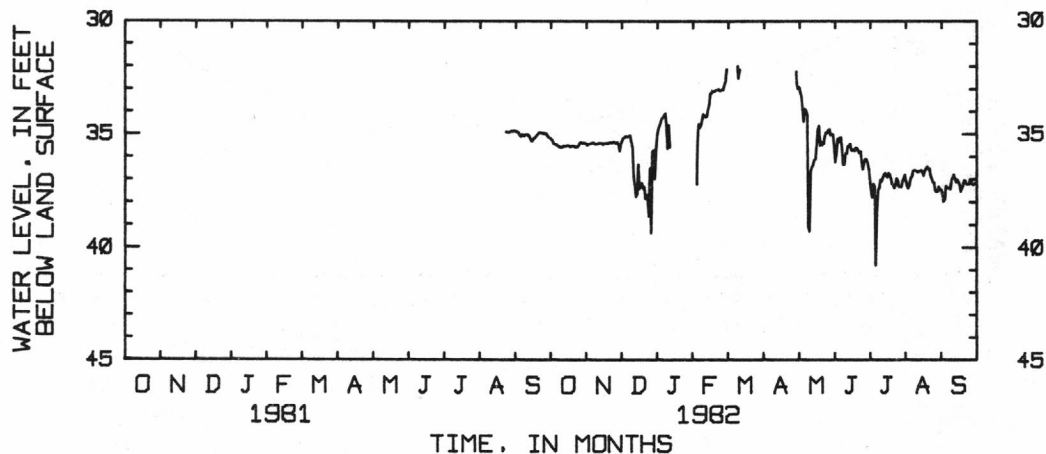
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 32.05 ft (9.8 m) below land-surface datum, Mar. 10, 1982; lowest, 40.82 ft (12.4 m) below land-surface datum, July 7, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.20	35.52	35.33	34.83	---	32.18	---	33.05	35.48	36.56	36.82	37.48
2	35.28	35.48	35.20	34.68	---	---	---	32.97	36.27	37.05	37.11	37.62
3	35.40	35.45	35.17	34.53	37.24	---	---	33.17	35.97	37.52	37.32	38.00
4	35.47	35.44	35.12	34.34	35.31	---	---	33.37	35.25	37.83	37.43	37.93
5	35.49	35.43	35.12	34.29	34.59	---	---	33.94	35.38	37.22	37.27	37.31
6	35.52	35.40	35.14	34.21	34.75	---	---	34.50	35.17	37.32	36.99	37.39
7	35.56	35.42	35.09	34.12	34.63	---	---	33.91	35.16	40.82	36.90	37.42
8	35.59	35.46	35.07	34.63	34.39	---	---	34.00	35.67	38.33	36.64	37.39
9	35.61	35.46	35.40	35.67	34.15	---	---	34.19	36.39	37.48	36.61	37.46
10	35.62	35.45	35.61	34.63	34.24	32.05	---	39.10	36.39	37.40	36.63	37.07
11	35.58	35.43	36.89	35.62	34.29	32.58	---	39.32	35.86	37.04	36.66	36.94
12	35.54	35.43	37.26	---	34.23	32.21	---	36.67	35.87	37.10	36.71	36.81
13	35.55	35.43	37.79	---	33.95	---	---	36.49	35.56	36.96	36.66	36.99
14	35.55	35.44	37.68	---	33.74	---	---	36.40	35.56	36.81	36.64	37.16
15	35.53	35.47	36.37	---	33.23	---	---	36.18	35.45	36.74	36.61	37.04
16	35.53	35.43	37.45	---	33.20	---	---	36.12	35.74	36.86	36.69	37.15
17	35.58	35.42	37.20	---	33.14	---	---	35.53	35.75	36.92	36.86	37.27
18	35.57	35.43	37.19	---	33.14	---	---	34.86	35.68	36.75	36.66	37.57
19	35.56	35.44	37.41	---	33.11	---	---	34.65	35.76	36.81	36.55	37.43
20	35.56	35.40	37.36	---	33.07	---	---	35.54	35.62	36.98	36.47	37.29
21	35.55	35.40	37.88	---	33.06	---	---	35.36	35.64	37.22	36.58	37.07
22	35.61	35.40	37.70	---	33.03	---	---	35.51	35.76	37.27	36.54	37.10
23	35.59	35.39	37.92	---	33.11	---	---	35.45	35.86	37.41	36.84	37.25
24	35.58	35.36	38.64	---	33.10	---	---	35.14	35.79	37.30	36.98	37.24
25	35.50	35.42	36.51	---	33.05	---	---	34.96	36.26	36.99	37.15	37.25
26	35.40	35.42	39.38	---	33.07	---	---	34.97	36.59	37.09	37.20	37.03
27	35.39	35.38	35.79	---	32.88	---	---	34.84	36.31	37.37	37.51	37.15
28	35.42	35.47	35.73	---	32.71	---	---	34.81	36.12	37.33	37.58	37.26
29	35.42	35.78	37.02	---	---	---	32.30	35.07	36.13	37.37	37.56	37.26
30	35.43	35.48	35.81	---	---	---	32.80	35.03	36.27	37.12	37.35	37.21
31	35.45	---	35.15	---	---	---	---	35.05	---	36.99	37.51	---
MEAN	35.50	35.44	36.53	---	---	---	---	35.17	35.82	37.29	36.94	37.28
MAX	35.62	35.78	39.38	---	---	---	---	39.32	36.59	40.82	37.58	38.00
MIN	35.20	35.36	35.07	---	---	---	---	32.97	35.16	36.56	36.47	36.81

HYDROGRAPH



GROUND WATER LEVELS

RICHLAND COUNTY

340335080583501. Local number, RIC-40.

LOCATION.--Lat 34°03'35", long 80°58'35", Hydrologic Unit 03050110, on Shakespeare Road in Dentsville, North of Columbia.

Owner: Shakespeare Manufacturing Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 245 ft (74.7 m), screened 98-105 ft (29.9-32.0 m), 130-135 ft (39.6-41.1 m), 233-245 ft (71.0-74.7 m).

DATUM.--Land-surface datum is 390 ft (119 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.37 ft (0.11 m) above land-surface datum.

REMARKS.--Record estimated Feb. 7-Mar. 29, 1982.

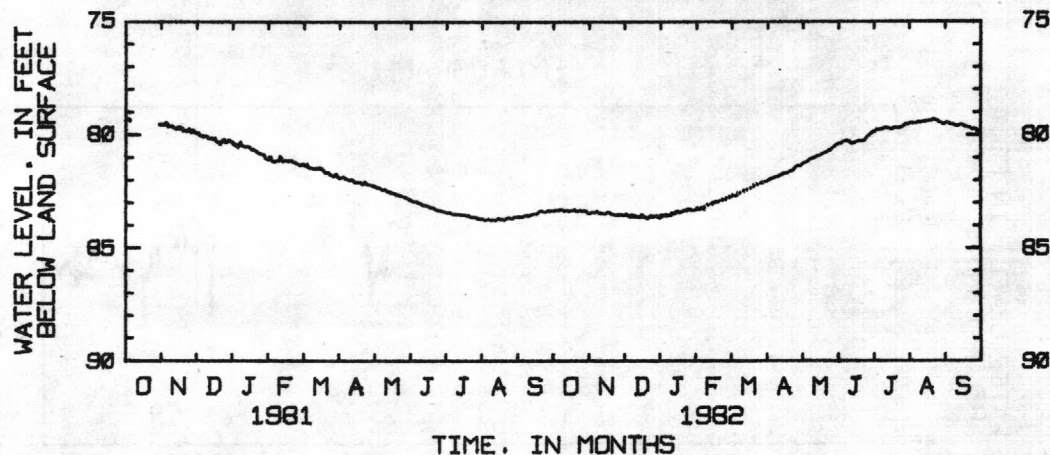
PERIOD OF RECORD.--1942-52, 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 76.03 ft (23.2 m) below land-surface datum, Oct. 17, 1975; lowest, 95.29 ft (29.04 m) below land-surface datum, April 6, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83.33	83.45	83.50	83.58	83.30	82.73	82.03	81.28	80.38	79.91	79.51	79.50
2	83.32	83.42	83.54	83.61	83.29	82.70	81.99	81.24	80.40	79.88	79.50	79.49
3	83.34	83.43	83.61	83.56	83.22	82.69	81.96	81.22	80.38	79.81	79.50	79.50
4	83.34	83.44	83.60	83.53	83.24	82.68	81.94	81.20	80.34	79.79	79.51	79.57
5	83.32	83.41	83.64	83.61	83.23	82.67	81.92	81.17	80.29	79.81	79.51	79.60
6	83.30	83.38	83.62	83.57	83.20	82.64	81.90	81.13	80.30	79.81	79.51	79.59
7	83.31	83.44	83.57	83.55	83.13	82.62	81.89	81.09	80.27	79.78	79.49	79.59
8	83.34	83.47	83.58	83.56	83.11	82.59	81.86	81.06	80.27	79.76	79.46	79.62
9	83.37	83.47	83.64	83.46	83.10	82.55	81.83	81.06	80.32	79.75	79.47	79.65
10	83.35	83.48	83.62	83.49	83.08	82.52	81.83	81.03	80.33	79.73	79.49	79.65
11	83.34	83.47	83.64	83.47	83.05	82.50	81.80	81.01	80.39	79.71	79.46	79.65
12	83.34	83.50	83.65	83.48	83.04	82.48	81.78	81.00	80.42	79.71	79.44	79.62
13	83.37	83.52	83.64	83.40	83.02	82.46	81.75	80.96	80.37	79.72	79.44	79.60
14	83.37	83.47	83.56	83.38	83.00	82.43	81.73	80.93	80.37	79.72	79.42	79.60
15	83.35	83.43	83.54	83.45	82.99	82.40	81.71	80.91	80.35	79.76	79.42	79.61
16	83.33	83.43	83.66	83.41	82.97	82.38	81.69	80.90	80.31	79.77	79.42	79.64
17	83.34	83.46	83.65	83.43	82.95	82.35	81.69	80.87	80.31	79.76	79.40	79.69
18	83.30	83.51	83.65	83.40	82.93	82.33	81.69	80.84	80.28	79.73	79.39	79.69
19	83.36	83.53	83.70	83.35	82.90	82.30	81.65	80.83	80.29	79.70	79.41	79.70
20	83.39	83.51	83.69	83.33	82.89	82.28	81.61	80.79	80.29	79.70	79.38	79.70
21	83.37	83.55	83.64	83.33	82.87	82.25	81.60	80.77	80.27	79.72	79.33	79.71
22	83.35	83.55	83.60	83.36	82.85	82.22	81.58	80.75	80.28	79.73	79.36	79.75
23	83.33	83.55	83.61	83.28	82.85	82.20	81.56	80.71	80.26	79.70	79.37	79.80
24	83.38	83.51	83.65	83.29	82.84	82.18	81.49	80.68	80.18	79.69	79.42	79.80
25	83.36	83.57	83.61	83.28	82.81	82.17	81.43	80.64	80.11	79.68	79.42	79.77
26	83.35	83.56	83.60	83.33	82.79	82.15	81.38	80.61	80.07	79.64	79.51	79.76
27	83.37	83.53	83.59	83.34	82.75	82.12	81.37	80.57	80.03	79.61	79.50	79.84
28	83.41	83.55	83.62	83.32	82.75	82.10	81.38	80.53	79.98	79.55	79.50	79.89
29	83.46	83.57	83.65	83.33	---	82.08	81.38	80.48	79.95	79.57	79.56	79.91
30	83.49	83.56	83.69	83.29	---	82.08	81.33	80.44	79.90	79.58	79.58	79.92
31	83.48	---	83.56	83.23	---	82.06	---	80.41	---	79.55	79.53	---
MEAN	83.36	83.49	83.62	83.42	83.01	82.38	81.69	80.87	80.26	79.72	79.46	79.68
MAX	83.49	83.57	83.70	83.61	83.30	82.73	82.03	81.28	80.42	79.91	79.58	79.92
MIN	83.30	83.38	83.50	83.23	82.75	82.06	81.33	80.41	79.90	79.55	79.33	79.49

HYDROGRAPH



RICHLAND COUNTY

334944080380100. Local number, RIC-63.

LOCATION.--Lat 33°49'44", long 80°38'01", Hydrologic unit 03050110, Hercules Plant, 3,600 ft (1,097.3 m) east of Hwy 601, near Wateree.
Owner: Hercules, Inc.

AQUIFER.--Middendorf Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in (0.25 m), depth 547 ft (166.7 m), screened 417-420 ft (127.1-128 m), 425-445 ft (129.5-135.6 m), 456-476 ft (139-145.1 m), 478-498 ft (145.7-151.8 m), 500-520 ft (152.4-158.5 m), 522-542 ft (159.1-165.2 m).

DATUM.--Land surface datum is 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.25 ft (0.69 m) above land-surface datum.

REMARKS.--Water-quality analysis on file in District office. Caliper logged July 23, 1980, depth 546 ft (166.4 m). Gamma logged July 23, 1980, depth 371 ft (113.1 m).

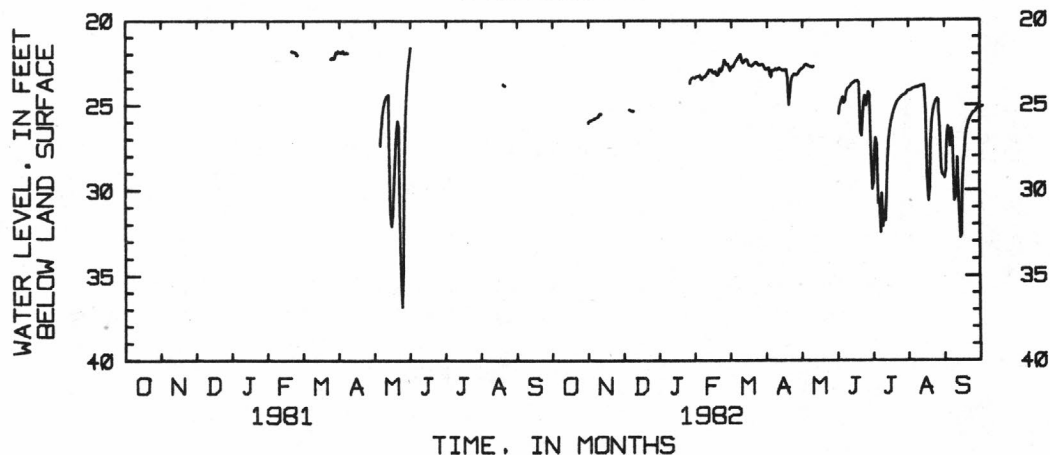
PERIOD OF RECORD.--February 1981 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 21.21 ft (6.5 m) below land-surface datum, Mar. 7, 1982; lowest, 36.84 ft (11.22 m) below land-surface datum, May 26, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	24.92	24.41	---	22.61	21.91	22.44	21.89	23.95	26.56	23.37	25.89
2	---	24.88	24.39	---	22.70	21.75	22.60	21.85	23.78	30.09	23.32	26.79
3	---	24.85	24.48	---	22.54	21.61	22.20	21.91	24.15	29.88	23.30	25.73
4	---	24.82	24.46	---	22.51	21.53	22.20	21.98	23.99	31.81	23.28	26.24
5	---	24.76	24.49	---	22.43	21.41	22.18	22.00	23.51	29.48	23.26	30.00
6	---	24.63	---	---	22.35	21.31	22.10	22.03	23.33	31.42	23.26	29.80
7	---	24.64	---	---	22.28	21.21	22.18	22.02	23.25	30.53	23.23	29.51
8	---	---	---	---	22.12	21.63	22.14	22.00	23.20	31.11	23.19	27.44
9	---	---	---	---	22.12	21.75	22.04	---	23.11	29.74	23.20	30.02
10	---	---	---	---	22.11	21.68	22.15	---	23.02	27.65	23.22	32.16
11	---	---	---	---	22.27	21.55	22.14	---	22.97	26.47	23.16	31.98
12	---	---	---	---	22.30	21.52	22.21	---	22.94	25.87	24.56	29.45
13	---	---	---	---	22.21	21.62	22.19	---	22.87	25.46	28.57	27.85
14	---	---	---	---	22.37	21.86	22.14	---	22.87	25.11	29.97	27.13
15	---	---	---	---	22.46	21.93	22.14	---	22.85	24.82	29.21	26.31
16	---	---	---	---	22.38	21.95	22.62	---	22.99	24.59	26.61	25.85
17	---	---	---	---	22.04	21.93	24.24	---	25.88	24.38	25.46	25.59
18	---	---	---	---	22.21	21.83	23.48	---	26.12	24.22	24.83	25.36
19	---	---	---	---	22.12	21.76	22.89	---	24.99	24.10	24.49	25.18
20	---	---	---	---	21.89	21.72	22.58	---	24.07	23.99	24.25	25.05
21	---	---	---	---	21.54	21.77	22.45	---	23.73	23.92	24.05	24.93
22	---	---	---	22.88	21.69	21.86	22.41	---	24.33	23.85	23.95	24.81
23	---	---	---	22.69	21.83	21.91	22.46	---	23.93	23.77	24.02	24.78
24	---	---	---	22.59	21.79	21.87	22.45	---	23.52	23.71	25.65	24.72
25	---	---	---	22.55	21.97	21.83	22.38	---	23.67	23.70	28.08	24.60
26	---	---	---	22.54	22.20	21.86	22.26	---	27.33	23.67	28.44	24.49
27	25.16	---	---	22.59	21.97	22.00	22.18	---	29.25	23.58	28.51	24.49
28	25.06	---	---	22.50	21.94	22.13	22.09	---	28.89	23.47	28.64	24.50
29	25.01	---	---	22.48	---	22.16	22.08	24.81	26.97	23.46	28.22	24.47
30	24.99	---	---	22.45	---	22.11	22.00	24.41	26.22	23.44	26.39	24.44
31	24.96	---	---	22.41	---	22.05	---	24.16	---	23.43	25.59	---
MEAN					22.18	21.77	22.39		24.39	26.04	25.33	26.65
MAX					22.70	22.16	24.24		29.25	31.81	29.97	32.16
MIN					21.54	21.21	22.00		22.85	23.43	23.16	24.44

HYDROGRAPH



RICHLAND COUNTY

340540081021508. Local number, RIC-309.

LOCATION.--Lat 34°05'40", long 81°02'15", Hydrologic Unit 03050106, north of Columbia off State road 423 at Lincolnshire subdivision.

Owner: Heater Utilities.

AQUIFER.--Fractures in crystalline rock.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 300 ft (91.4 m), cased to 90 ft (27.4 m), open hole 90 ft (27.4 m) to 300 ft (91.4 m).

DATUM.--Land-surface datum is 260 ft (79.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.57 ft (0.17 m) above land-surface datum.

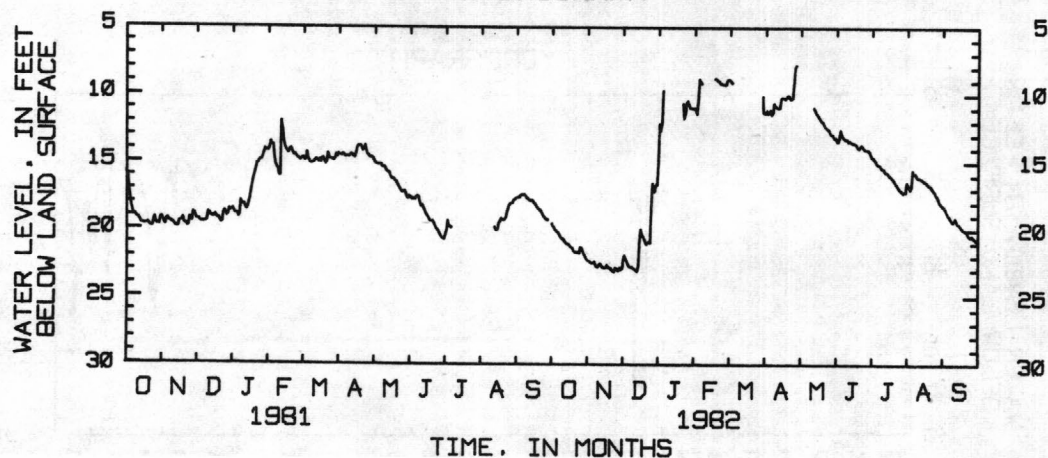
PERIOD OF RECORD.--1972-June 1975, September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 4.56 ft (1.39 m), below land-surface datum, Mar. 31, 1980; lowest, 44.83 ft (13.66 m) below land-surface datum, Dec. 30, 1973.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.63	22.40	22.25	12.25	11.22	9.00	11.45	---	13.26	14.51	16.54	18.28
2	19.85	22.43	21.95	12.76	11.51	9.02	11.49	---	13.50	14.68	16.71	18.34
3	20.03	22.48	22.20	12.19	10.37	9.13	11.26	---	13.55	14.71	16.89	18.45
4	20.14	22.55	22.40	9.86	8.97	9.26	11.49	---	13.26	14.79	17.05	18.66
5	20.22	22.49	22.60	---	9.16	---	11.40	---	12.69	14.94	16.86	18.85
6	20.31	22.43	22.76	---	9.29	---	11.24	---	13.02	15.14	15.63	19.00
7	20.46	22.66	22.79	---	---	---	11.59	---	13.20	15.23	15.91	19.11
8	20.63	22.81	22.79	---	---	---	11.44	---	13.28	15.27	15.86	19.25
9	20.74	22.84	22.89	---	---	---	10.73	---	13.37	15.36	15.98	19.38
10	20.78	22.63	22.96	---	---	---	10.99	---	13.39	15.47	16.13	19.48
11	20.90	22.55	23.02	---	---	---	10.99	---	13.39	15.56	16.20	19.32
12	21.02	22.70	23.09	---	---	---	11.07	---	13.56	15.55	16.22	19.15
13	21.11	22.84	23.16	---	---	---	11.06	11.09	13.48	15.72	16.26	19.43
14	21.16	22.88	22.74	---	---	---	11.07	11.20	13.56	15.84	16.30	19.57
15	21.19	22.88	20.88	---	---	---	10.37	11.38	13.64	15.84	16.38	19.65
16	21.30	22.84	20.04	---	---	---	10.30	11.55	13.67	15.93	16.45	19.73
17	21.38	22.67	20.45	---	8.95	---	10.31	11.68	13.68	16.04	16.50	19.86
18	21.43	22.83	20.55	---	8.92	---	10.32	11.82	13.72	16.12	16.56	19.97
19	21.63	22.92	20.77	---	9.01	---	10.39	11.97	13.83	16.19	16.68	20.06
20	21.73	22.89	21.01	---	9.12	---	10.26	12.08	13.96	16.30	16.76	20.11
21	21.75	23.04	21.14	10.80	9.14	---	10.14	12.14	14.06	16.42	16.79	20.15
22	21.73	23.14	20.98	11.84	9.29	---	10.20	12.33	13.89	16.59	16.91	20.20
23	21.77	23.19	20.95	11.49	9.33	---	10.39	12.48	13.78	16.69	17.02	20.41
24	21.83	22.88	21.04	10.68	9.37	---	10.40	12.57	13.90	16.83	17.15	20.51
25	21.36	22.93	18.28	10.58	9.39	---	10.34	12.64	14.01	16.96	17.22	20.59
26	21.41	23.08	16.63	10.78	9.40	---	9.31	12.71	14.10	17.07	17.41	20.48
27	21.63	23.08	17.04	11.07	9.37	---	8.12	12.88	14.15	17.16	17.55	20.60
28	21.87	22.86	17.23	11.08	9.04	---	7.95	13.02	14.16	17.22	17.71	20.69
29	22.06	23.02	16.72	11.10	---	---	---	13.06	14.18	17.34	17.94	20.73
30	22.22	22.92	16.76	11.10	---	10.27	---	13.20	14.28	17.23	18.08	20.86
31	22.33	---	15.15	11.09	---	11.41	---	13.32	---	17.27	18.20	---
MEAN	21.15	22.80	20.75						13.65	16.00	16.77	19.70
MAX	22.33	23.19	23.16						14.28	17.34	18.20	20.86
MIN	19.63	22.40	15.15						12.69	14.51	15.63	18.28

HYDROGRAPH



SUMTER COUNTY

335602080204800. Local number, SU-9.

LOCATION.--Lat 33°56'02", long 80°20'48", Hydrologic Unit 03040205, at Sumter municipal well field, Church Street Plant, City Well No. 1A.

Owner: City of Sumter.

AQUIFER.--Sands of Black Creek and Middendorf Formations.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 18 in (0.46 m) to 211 ft (64.3 m), 8 in (0.20 m) from 211 ft (64.3 m) to 625 ft (190.5 m), depth 625 ft (190.5 m), screened intervals 508-528 ft (154.8-160.9 m), 550-570 ft (167.6-173.7 m), 605-625 ft (184.4-190.5 m), gravel packed.

DATUM.--Land-surface datum is 176 ft (53.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pad, 0.42 ft (0.13 m) above land-surface datum.

REMARKS.--Water levels are affected by pumping of nearby wells. Logged September 1979 to 364 ft (110.9 m).

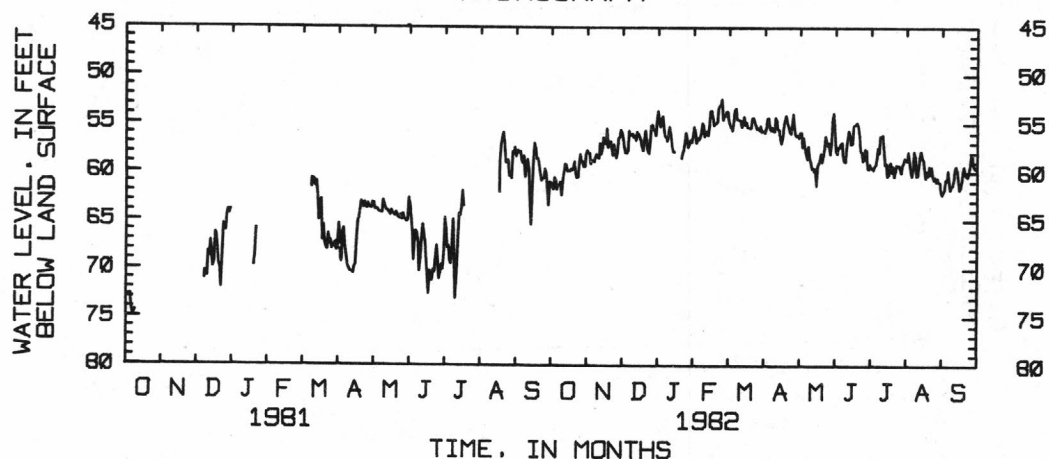
PERIOD OF RECORD.--June 1970 to current year. Monthly values, 1946-1969.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 40.57 ft (12.37 m) below land-surface datum, Oct. 29, 1971; lowest, 77.81 ft (23.72 m) below land-surface datum, June 28, 1974.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61.22	58.04	56.68	54.93	55.88	53.80	55.75	56.50	55.83	59.19	58.67	62.36
2	61.83	58.13	57.53	55.38	57.09	54.84	56.02	55.93	57.83	59.53	58.87	62.10
3	60.62	59.24	58.12	54.61	56.50	55.22	55.53	55.95	58.14	59.66	57.97	61.81
4	60.92	58.85	58.12	54.32	56.75	55.51	54.51	57.45	57.46	59.79	58.89	60.78
5	61.84	58.90	57.86	55.59	56.52	55.80	54.45	56.50	57.41	59.40	59.88	60.89
6	61.44	59.03	55.80	56.32	56.10	54.86	55.45	57.46	57.12	59.22	60.43	59.82
7	61.40	58.46	56.19	56.50	54.97	53.60	55.73	58.11	56.97	58.59	59.73	61.01
8	61.10	58.19	56.28	56.87	55.21	53.45	55.41	58.69	58.31	57.51	57.89	61.84
9	62.50	58.56	56.10	56.20	56.39	54.64	55.81	57.35	58.90	58.04	58.34	61.53
10	60.89	58.62	56.45	55.39	55.81	54.69	55.89	58.52	58.98	56.30	60.42	61.34
11	60.06	57.11	56.26	56.16	56.00	54.76	54.41	59.00	57.53	56.27	60.36	60.86
12	59.23	58.22	56.77	57.28	56.28	54.81	54.71	59.69	56.60	56.18	59.34	59.68
13	59.30	57.68	55.92	57.95	55.24	55.41	55.64	59.63	55.77	57.56	58.31	59.37
14	60.01	56.49	56.13	57.98	53.72	55.11	55.76	59.94	56.22	59.25	57.87	59.83
15	59.93	57.01	56.39	---	53.69	54.36	56.52	59.64	57.14	59.14	58.54	60.93
16	60.01	57.16	56.76	---	54.46	55.19	57.10	61.42	57.04	60.47	58.78	61.86
17	59.77	55.59	57.38	---	55.25	54.94	56.49	59.39	55.28	60.28	59.96	61.56
18	59.85	57.57	57.89	---	55.06	55.46	55.19	59.07	55.13	59.24	60.63	60.91
19	59.55	57.00	56.71	---	55.01	55.51	54.60	58.71	55.09	58.99	59.96	59.85
20	58.97	56.91	55.78	58.62	54.88	55.54	54.20	58.07	54.91	60.04	60.38	59.39
21	60.29	57.48	56.85	58.13	53.42	55.48	54.95	58.95	55.24	59.40	59.44	60.31
22	60.67	58.36	57.86	57.77	53.19	54.50	55.30	58.31	56.10	60.51	60.22	60.37
23	60.57	57.20	58.14	57.01	53.06	54.44	55.84	57.62	57.84	59.90	59.46	60.53
24	59.30	58.13	57.08	55.94	52.51	54.83	56.09	56.31	57.99	59.26	60.42	60.14
25	58.19	58.61	55.23	56.62	54.72	55.20	55.12	56.83	58.85	59.36	60.80	59.47
26	58.98	57.97	55.18	57.49	54.16	55.60	54.04	57.29	58.72	59.33	60.54	58.21
27	59.09	56.53	55.72	57.13	54.28	55.51	55.49	56.99	57.63	59.68	61.04	58.15
28	59.55	56.42	55.68	56.74	53.80	55.72	56.20	58.20	57.77	60.09	60.62	59.30
29	59.54	55.71	56.29	56.97	---	55.31	56.36	57.00	59.53	59.27	61.03	59.51
30	58.19	56.02	54.70	56.34	---	55.91	56.22	54.72	59.74	59.01	61.09	59.67
31	57.81	---	53.75	55.35	---	55.84	---	53.94	---	58.55	62.09	---
MEAN	60.08	57.64	56.50		55.00	55.03	55.49	57.84	57.24	59.00	59.74	60.45
MAX	62.50	59.24	58.14		57.09	55.91	57.10	61.42	59.74	60.51	62.09	62.36
MIN	57.81	55.59	53.75		52.51	53.45	54.04	53.94	54.91	56.18	57.87	58.15

HYDROGRAPH



SUMTER COUNTY

335606080020510. Local number, SU-191.

LOCATION.--Lat 33°56'06", long 80°02'05", Hydrologic unit 03040205, Church Street Plant #1, 371 ft (113.1 m) west of Church Street in Sumter.

Owner: City of Sumter.

AQUIFER.--Black Mingo Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m), depth 70 ft (21.3 m), screen setting unknown.

DATUM.--Land surface datum is 177 ft (54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.75 ft (0.23 m) above land-surface datum.

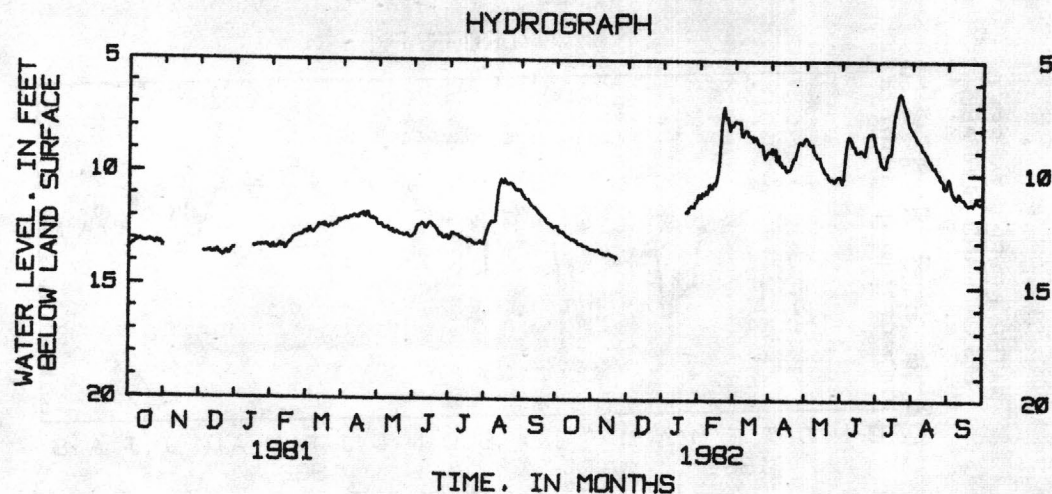
REMARKS.--Gamma and caliper logged Mar. 24, 1980, depth 56 ft (17.1 m).

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

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 6.46 ft (2.0 m) below land-surface datum, July 22, 1982; lowest, 13.78 ft (4.20 m) below land-surface datum, Dec. 21, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.39	13.43		---	11.09	7.88	9.01	8.48	10.12	8.72	8.04	10.38
2	12.38	13.43		---	11.04	7.74	9.07	8.41	10.29	8.97	8.14	10.20
3	12.55	13.45		---	10.84	7.69	8.87	8.44	10.42	8.97	8.24	10.29
4	12.61	13.47		---	10.91	7.75	9.12	8.53	10.25	9.02	8.31	10.57
5	12.63	13.46		---	10.92	7.75	9.02	8.66	9.50	9.29	8.43	10.80
6	12.61	13.41		---	10.77	7.78	8.92	8.72	8.84	9.53	8.53	10.90
7	12.64	13.51		---	10.88	7.74	9.42	8.72	8.51	9.62	8.62	10.97
8	12.73	13.56		---	10.75	8.33	9.38	8.75	8.36	9.67	8.65	11.06
9	12.79	13.58		---	10.47	8.36	9.18	8.98	8.40	9.72	8.72	11.11
10	12.83	13.59		---	10.61	8.22	9.56	9.10	8.49	9.70	8.90	10.96
11	12.86	13.59		---	10.66	8.08	9.50	9.15	8.63	9.39	8.97	10.84
12	12.90	13.63		---	10.55	8.08	9.68	9.29	8.78	9.17	9.01	10.94
13	12.95	13.64		---	10.42	8.14	9.68	9.27	8.82	9.12	9.10	11.06
14	12.97	13.60		---	10.49	8.34	9.65	9.30	8.94	9.13	9.16	11.10
15	12.95	13.58		---	10.30	8.33	9.79	9.45	9.08	8.94	9.29	11.11
16	12.96	13.60		---	9.99	8.41	9.89	9.63	9.04	8.25	9.42	11.19
17	13.03	13.64		---	9.49	8.34	9.83	9.73	9.05	7.66	9.48	11.31
18	13.01	13.70		---	8.74	8.56	9.83	9.83	8.97	7.35	9.54	11.34
19	13.12	13.70		---	7.78	8.47	9.78	9.96	8.97	7.10	9.69	11.38
20	13.18	13.68		11.72	7.30	8.40	9.62	9.98	9.05	6.82	9.75	11.35
21	13.19	13.76		11.67	7.06	8.49	9.49	10.02	9.11	6.51	9.69	11.32
22	13.19	13.78		11.73	7.45	8.64	9.31	10.15	9.18	6.46	9.85	11.31
23	13.18	---		11.51	7.61	8.73	9.29	10.25	8.89	6.54	9.95	11.38
24	13.26	---		11.48	7.51	8.77	9.08	10.28	8.46	6.72	10.03	11.31
25	13.27	---		11.43	7.82	8.73	8.88	10.24	8.26	6.92	10.05	11.21
26	13.26	---		11.46	8.11	8.79	8.65	10.28	8.20	7.08	10.24	11.16
27	13.28	---		11.48	7.83	9.11	8.57	10.36	8.21	7.25	10.26	11.22
28	13.33	---		11.29	7.89	9.32	8.61	10.30	8.19	7.39	10.34	11.29
29	13.37	---		11.24	---	9.22	8.69	10.21	8.20	7.65	10.57	11.31
30	13.41	---		11.11	---	9.11	8.59	10.14	8.38	7.88	10.64	11.31
31	13.43	---		10.91	---	9.02	---	10.14	---	7.96	10.61	---
MEAN	12.98				9.47	8.40	9.27	9.51	8.92	8.21	9.36	11.06
MAX	13.43				11.09	9.32	9.89	10.36	10.42	9.72	10.64	11.38
MIN	12.38				7.06	7.69	8.57	8.41	8.19	6.46	8.04	10.20



GROUND WATER LEVELS

307

WILLIAMSBURG COUNTY

334410079310200. Local number, WIL-76.

LOCATION.--Lat 33°44'10", long 79°31'02", Hydrologic unit 03040205, 15 ft (4.6 m) behind Allis-Chalmers stores and 86 ft (26.2 m) from the water tower in Stuckey.

Owner: Town of Stuckey.

AQUIFER.--Black Creek Formation.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 257 ft (76.2 m), casing and screen unknown.

DATUM.--Land surface datum is 50 ft (15.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.1 ft (0.34 m) above land-surface datum.

REMARKS.--1978 water-quality analysis on file in District office. Caliper and gamma logged Oct. 11, 1978, depth 256 ft (78 m).

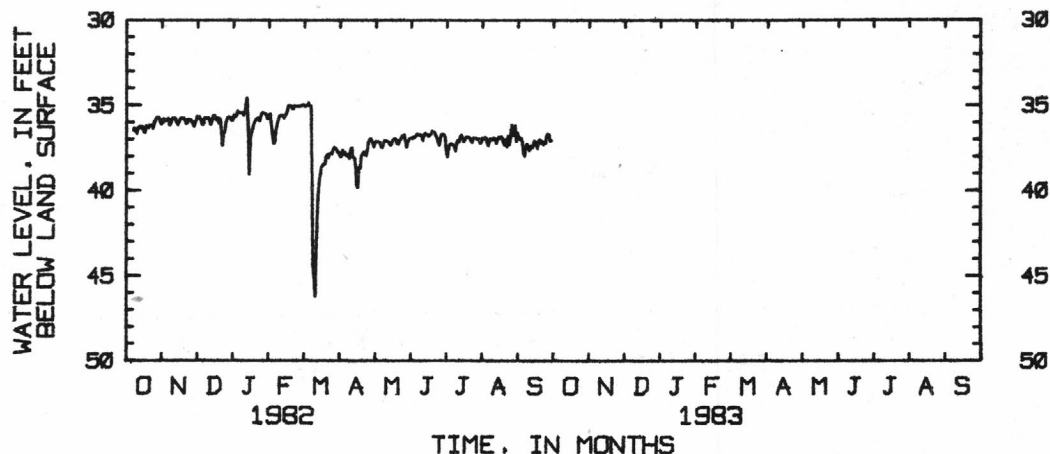
PERIOD OF RECORD.--October 1981 to September 1982.

EXTREMES OF PERIOD OF RECORD.--Highest mean water level 34.55 ft (10.5 m) below land-surface datum, Jan. 12, 1982; lowest, 46.19 ft (14.1 m) below land-surface datum, Mar. 12, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	36.01	35.63	35.60	35.50	34.96	37.73	37.43	36.91	36.85	37.14	36.61
2	---	35.79	35.66	35.67	36.11	34.96	38.01	37.14	36.89	37.67	36.91	36.82
3	---	35.89	35.77	35.58	36.68	35.01	37.97	37.08	36.91	38.02	36.98	37.00
4	---	35.83	35.88	35.32	37.21	35.01	37.59	37.14	36.82	37.49	36.86	36.91
5	---	35.79	36.13	35.46	37.16	34.97	37.84	37.12	36.85	37.31	36.92	37.12
6	---	35.79	35.96	35.41	36.48	34.84	37.74	37.16	36.77	37.21	37.15	37.82
7	36.44	36.16	35.72	35.44	36.13	35.03	37.93	37.41	36.63	37.25	37.35	37.97
8	36.30	36.01	35.74	35.43	35.84	35.05	37.95	37.45	36.69	37.32	37.09	37.45
9	36.45	35.79	35.77	35.57	35.63	39.03	37.83	37.23	36.73	37.41	36.94	37.24
10	36.65	35.74	35.74	35.47	35.56	44.25	38.12	37.05	36.69	37.66	37.01	37.37
11	36.34	35.73	35.80	35.03	35.58	45.17	37.61	37.05	36.81	37.22	36.96	37.63
12	36.26	35.78	36.11	34.55	35.58	46.19	37.45	37.08	37.04	37.03	36.88	37.52
13	36.21	35.98	35.90	36.10	35.73	42.93	38.06	37.11	36.70	37.11	37.02	37.33
14	36.22	36.14	35.71	39.05	35.57	40.58	38.08	37.19	36.62	36.80	37.20	37.45
15	36.40	35.95	35.57	36.93	35.45	39.58	38.45	37.32	36.70	36.72	37.00	37.06
16	36.31	35.81	35.76	36.60	35.23	38.96	39.68	37.25	36.70	36.88	36.84	37.11
17	36.62	35.72	35.84	36.32	34.99	38.59	39.82	37.03	36.82	37.12	36.88	37.29
18	36.18	35.75	35.72	36.10	35.00	38.46	38.65	36.96	36.69	37.01	36.82	37.49
19	36.25	35.75	36.06	35.92	35.02	38.41	38.67	36.93	36.68	36.83	36.92	37.09
20	36.31	35.84	35.77	35.81	35.20	38.40	38.00	37.02	36.48	36.84	37.17	36.97
21	36.14	36.08	36.36	35.73	35.20	37.95	37.81	37.24	36.55	36.87	37.30	37.20
22	36.14	36.03	37.36	35.81	35.01	37.86	37.69	37.26	36.58	36.90	37.00	37.08
23	36.15	35.80	36.62	35.91	35.02	38.06	37.84	37.05	36.75	37.06	37.40	37.28
24	36.33	35.84	36.53	35.60	35.03	37.81	37.94	36.96	36.90	37.16	36.77	37.11
25	35.96	35.93	36.03	35.44	35.01	37.77	37.67	36.76	37.14	36.93	37.31	37.18
26	35.85	35.94	35.81	35.41	35.02	37.80	37.20	36.74	37.34	36.88	36.87	36.79
27	35.70	36.10	35.68	35.45	35.01	37.54	37.00	36.69	36.92	36.89	36.15	36.63
28	35.70	36.23	35.69	35.47	35.00	37.44	36.91	37.03	36.66	36.96	36.41	36.68
29	35.76	35.96	35.74	35.62	---	37.51	37.08	37.44	36.67	36.94	36.75	37.08
30	35.92	35.82	35.85	35.79	---	37.61	37.21	37.13	36.72	36.94	36.17	37.03
31	36.10	---	35.84	35.56	---	37.73	---	37.00	---	37.21	37.12	---
MEAN		35.90	35.93	35.78	35.57	38.24	37.92	37.11	36.78	37.11	36.94	37.18
MAX		36.23	37.36	39.05	37.21	46.19	39.82	37.45	37.34	38.02	37.40	37.97
MIN		35.72	35.57	34.55	34.99	34.84	36.91	36.69	36.48	36.72	36.15	36.61

HYDROGRAPH



YORK COUNTY

350150081012500. Local number, YK-147.

LOCATION.--Lat 35°01'50", long 81°01'25", Hydrologic Unit 03050101, at Port Mill on Lake Wiley.

Owner: Tega Cay Development.

AQUIFER.--Rock of Paleozoic to Precambrian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m), depth 700 ft (213.4 m), cased to 50 ft (15.2 m), open hole 50 ft (15 m) to 700 ft (213 m).

DATUM.--Land-surface datum is 600 ft (183 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.75 ft (0.23 m) above land-surface datum.

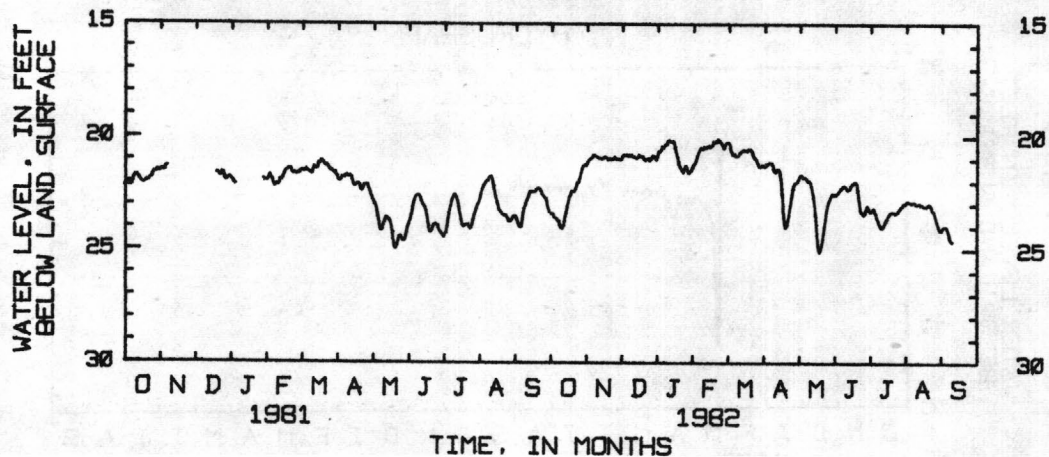
PERIOD OF RECORD.--October 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level 18.59 ft (5.67 m) below land-surface datum, Apr. 8, 1973; lowest, 25.23 ft (7.69 m) below land-surface datum, July 27, 1977.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.41	21.14	20.87	20.65	21.17	20.24	21.30	21.86	22.52	23.28	22.90	24.13
2	23.43	21.04	20.80	20.68	21.06	20.26	21.33	21.75	22.57	23.31	22.85	24.04
3	23.55	21.00	20.83	20.61	20.87	20.33	21.23	21.69	22.49	23.26	22.84	23.98
4	23.59	20.96	20.81	20.44	20.71	20.61	21.25	21.75	22.45	23.18	22.88	23.98
5	23.65	20.90	20.85	20.51	20.61	20.76	21.19	21.79	22.36	23.24	22.90	23.93
6	23.74	20.81	20.86	20.41	20.49	20.83	21.15	21.81	22.30	23.39	22.92	24.11
7	23.73	20.85	20.81	20.32	20.53	20.77	21.19	21.82	22.24	23.56	22.89	24.26
8	23.96	20.89	20.81	20.33	20.54	20.86	21.19	21.87	22.19	23.69	22.88	24.48
9	24.06	20.92	20.83	20.16	20.44	20.85	21.28	21.96	22.16	23.81	22.90	24.53
10	24.07	20.97	20.90	20.15	20.47	20.85	21.53	21.96	22.18	23.93	22.97	24.65
11	23.96	20.96	20.89	20.18	20.49	20.79	21.56	22.01	22.24	24.03	22.99	---
12	23.67	20.97	20.94	20.23	20.45	20.70	21.54	22.18	22.35	23.99	22.94	---
13	23.42	21.01	20.98	20.20	20.40	20.65	21.45	22.41	22.31	23.93	22.93	---
14	23.21	20.97	20.91	20.22	20.46	20.63	21.44	22.70	22.30	23.83	22.98	---
15	22.95	20.91	20.81	20.49	20.43	20.58	21.57	23.06	22.17	23.71	23.01	---
16	22.68	20.91	20.89	20.68	20.37	20.63	21.91	23.66	22.07	23.59	23.05	---
17	22.58	20.94	20.88	20.91	20.20	20.61	22.49	24.36	22.03	23.47	23.08	---
18	22.40	21.02	20.88	21.14	20.26	20.64	23.35	24.95	22.00	23.40	23.06	---
19	22.41	21.03	20.99	21.30	20.23	20.56	23.92	25.11	21.99	23.33	23.07	---
20	22.43	20.97	21.05	21.42	20.23	20.58	24.02	25.02	22.08	23.31	23.02	---
21	22.35	21.02	21.05	21.50	20.11	20.57	23.93	24.77	22.41	23.32	22.96	---
22	22.20	21.00	21.01	21.60	20.18	20.65	23.72	24.47	22.83	23.34	22.90	---
23	22.04	20.99	21.00	21.40	20.25	20.81	23.44	24.09	23.26	23.38	23.09	---
24	22.01	20.92	21.07	21.29	20.29	20.94	23.08	23.75	23.33	23.35	23.26	---
25	21.84	20.98	21.02	21.42	20.44	20.99	22.73	23.34	23.39	23.31	23.29	---
26	21.60	21.02	20.93	21.57	20.53	21.06	22.40	23.06	23.46	23.22	23.43	---
27	21.39	21.01	20.84	21.63	20.36	21.19	22.16	22.87	23.38	23.16	23.60	---
28	21.31	21.02	20.86	21.54	20.27	21.32	22.03	22.72	23.21	23.07	23.79	---
29	21.26	21.05	20.94	21.47	---	21.32	22.02	22.60	23.06	23.05	23.95	---
30	21.26	20.99	21.05	21.38	---	21.29	21.97	22.51	23.17	22.95	24.08	23.25
31	21.22	---	20.90	21.22	---	21.26	---	22.58	---	22.97	24.15	---
MEAN	22.75	20.97	20.91	20.87	20.46	20.78	22.11	22.92	22.55	23.43	23.15	
MAX	24.07	21.14	21.07	21.63	21.17	21.32	24.02	25.11	23.46	24.03	24.15	
MIN	21.22	20.81	20.80	20.15	20.11	20.24	21.15	21.69	21.99	22.95	22.84	

HYDROGRAPH



APPENDIX

APPENDIX

Following are two listings of the new versus old terminology for each of the 143 water-quality parameters affected by the terminology change explained on page 4. The first listing orders the changes numerically according to the laboratory parameter code and the second listing orders the changes alphabetically according to the parameter name.

NUMERIC LISTING

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line

00623	Nitrogen, ammonia plus organic, dissolved (mg/L as N)
00623	Nitrogen, kjeldahl, dissolved (mg/L as N)
00624	Nitrogen, ammonia plus organic, suspended total (mg/L as N)
00624	Nitrogen, kjeldahl, suspended (mg/L as N)
00625	Nitrogen, ammonia plus organic, total (mg/L as N)
00625	Nitrogen, kjeldahl, total (mg/L as N)
00626	Nitrogen, ammonia plus organic, total in bottom material, dry wt (mg/kg as N)
00626	Nitrogen, kjeldahl, total in bottom material, dry wt (mg/kg as N)
00683	Carbon, organic, suspended total (mg/L as C)
00683	Carbon, organic, suspended (mg/L as C)
00688	Carbon, inorganic, suspended total (mg/L as C)
00688	Carbon, inorganic, suspended (mg/L as C)
00689	Carbon, organic, suspended total (mg/L as C)
00689	Carbon, organic, suspended (mg/L as C)
00694	Carbon, inorganic plus organic, suspended total (mg/L as C)
00694	Carbon, inorganic plus organic, suspended (mg/L as C)
00916	Calcium, total recoverable (mg/L as Ca)
00916	Calcium, total (mg/L as Ca)
00926	Magnesium, suspended recoverable (mg/L as Mg)
00926	Magnesium, suspended (mg/L as Mg)
00927	Magnesium, total recoverable (mg/L as Mg)
00927	Magnesium, total (mg/L as Mg)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01001	Arsenic, suspended total (mg/L as As)
01001	Arsenic, suspended (ug/L as As)
01006	Barium, suspended recoverable (ug/L as Ba)
01006	Barium, suspended (ug/L as Ba)
01007	Barium, total recoverable (ug/L as Ba)
01007	Barium, total (ug/L as Ba)
01008	Barium, recoverable from bottom material (ug/g as Ba)
01008	Barium, total in bottom material (ug/g as Ba)
01011	Beryllium, suspended recoverable (ug/L as Be)
01011	Beryllium, suspended (ug/L as Be)
01012	Beryllium, total recoverable (ug/L as Be)
01012	Beryllium, total (ug/L as Be)
01013	Beryllium, recoverable from bottom material (ug/g as Be)
01013	Beryllium, total in bottom material (ug/g as Be)
01016	Bismuth, suspended total (ug/L as Bi)
01016	Bismuth, suspended (ug/L as Bi)
01021	Boron, suspended recoverable (ug/L as B)
01021	Boron, suspended (ug/L as B)
01022	Boron, total recoverable (ug/L as B)
01022	Boron, total (ug/L as B)
01023	Boron, recoverable from bottom material (ug/g as B)
01023	Boron, total in bottom material (ug/g as B)
01026	Cadmium, suspended recoverable (ug/L as Cd)
01026	Cadmium, suspended (ug/L as Cd)
01027	Cadmium, total recoverable (ug/L as Cd)
01027	Cadmium, total (ug/L as Cd)
01028	Cadmium, recoverable from bottom material (ug/g as Cd)
01028	Cadmium, total in bottom material (ug/g as Cd)
01029	Chromium, recoverable from bottom material (ug/g as Cr)
01029	Chromium, total in bottom material (ug/g as Cr)
01031	Chromium, suspended recoverable (ug/L as Cr)
01031	Chromium, suspended (ug/L as Cr)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01034	Chromium, total recoverable (ug/L as Cr)
01034	Chromium, total (ug/L as Cr)
01036	Cobalt, suspended recoverable (ug/L as Co)
01036	Cobalt, suspended (ug/L as Co)
01037	Cobalt, total recoverable (ug/L as Co)
01037	Cobalt, total (ug/L as Co)
01038	Cobalt, recoverable from bottom material (ug/g as Co)
01038	Cobalt, total in bottom material (ug/g as Co)
01041	Copper, suspended recoverable (ug/L as Cu)
01041	Copper, suspended (ug/L as Cu)
01042	Copper, Total recoverable (ug/L as Cu)
01042	Copper, total (ug/L as Cu)
01043	Copper, recoverable from bottom material (ug/g as Cu)
01043	Copper, total in bottom material (ug/g as Cu)
01044	Iron, suspended recoverable (ug/L as Fe)
01044	Iron, suspended (ug/L as Fe)
01045	Iron, total recoverable (ug/L as Fe)
01045	Iron, total (ug/L as Fe)
01050	Lead, suspended recoverable (ug/L as Pb)
01050	Lead, suspended (ug/L as Pb)
01051	Lead, total recoverable (ug/L as Pb)
01051	Lead, total (ug/L as Pb)
01052	Lead, recoverable from bottom material (ug/g as Pb)
01052	Lead, total in bottom material (ug/g as Pb)
01053	Manganese, recoverable from bottom material (ug/g as Mn)
01053	Manganese, total in bottom material (ug/g as Mn)
01054	Manganese, suspended recoverable (ug/L as Mn)
01054	Manganese, suspended (ug/L as Mn)
01055	Manganese, total recoverable (ug/L as Mn)
01055	Manganese, total (ug/L as Mn)
01061	Molybdenum, suspended recoverable (ug/L as Mo)
01061	Molybdenum, suspended (ug/L as Mo)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01062	Molybdenum, total recoverable (ug/L as Mo)
01062	Molybdenum, total (ug/L as Mo)
01063	Molybdenum, recoverable from bottom material (ug/g as Mo)
01063	Molybdenum, total in bottom material (ug/g as Mo)
01066	Nickel, suspended recoverable (ug/L as Ni)
01066	Nickel, suspended (ug/L as Ni)
01067	Nickel, total recoverable (ug/L as Ni)
01067	Nickel, total (ug/L as Ni)
01068	Nickel, recoverable from bottom material (ug/g as Ni)
01068	Nickel, total in bottom material (ug/g as Ni)
01076	Silver, suspended recoverable (ug/L as Ag)
01076	Silver, suspended (ug/L as Ag)
01077	Silver, total recoverable (ug/L as Ag)
01077	Silver, total (ug/L as Ag)
01078	Silver, recoverable from bottom material (ug/g as Ag)
01078	Silver, total in bottom material (ug/g as Ag)
01081	Strontium, suspended recoverable (ug/L as Sr)
01081	Strontium, suspended (ug/L as Sr)
01082	Strontium, total recoverable (ug/L as Sr)
01082	Strontium, total (ug/L as Sr)
01083	Strontium, recoverable from bottom material (ug/g as Sr)
01083	Strontium, total in bottom material (ug/g as Sr)
01086	Vanadium, suspended total (ug/L as V)
01086	Vanadium, suspended (ug/L as V)
01091	Zinc, suspended recoverable (ug/L as Zn)
01091	Zinc, suspended (ug/L as Zn)
01092	Zinc, total recoverable (ug/L as Zn)
01092	Zinc, total (ug/L as Zn)
01093	Zinc, recoverable from bottom material (ug/g as Zn)
01093	Zinc, total in bottom material (ug/g as Zn)
01096	Antimony, suspended total (ug/L as Sb)
01096	Antimony, suspended (ug/L as Sb)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01101	Tin, suspended recoverable (ug/L as Sn)
01101	Tin, suspended (ug/L as Sn)
01102	Tin, total recoverable (ug/L as Sn)
01102	Tin, total (ug/L as Sn)
01105	Aluminum, total recoverable (ug/L as Al)
01105	Aluminum, total (ug/L as Al)
01107	Aluminum, suspended recoverable (ug/L as Al)
01107	Aluminum, suspended (ug/L as Al)
01108	Aluminum, recoverable from bottom material (ug/g as Al)
01108	Aluminum, total in bottom material (ug/g as Al)
01116	Cesium, suspended total (ug/L as Cs)
01116	Cesium, suspended (ug/L as Cs)
01121	Gallium, suspended total (ug/L as Ga)
01121	Gallium, suspended (ug/L as Ga)
01126	Germanium, suspended total (ug/L as Ge)
01126	Germanium, suspended (ug/L as Ge)
01131	Lithium, suspended recoverable (ug/L as Li)
01131	Lithium, suspended (ug/L as Li)
01132	Lithium, total recoverable (ug/L as Li)
01132	Lithium, total (ug/L as Li)
01136	Rubidium, suspended total (ug/L as Rb)
01136	Rubidium, suspended (ug/L as Rb)
01146	Selenium, suspended total (ug/L as Se)
01146	Selenium, suspended (ug/L as Se)
01151	Titanium, suspended total (ug/L as Ti)
01151	Titanium, suspended (ug/L as Ti)
01161	Zirconium, suspended total (ug/L as Zr)
01161	Zirconium, suspended (ug/L as Zr)
01170	Iron, recoverable from bottom material (ug/g as Fe)
01170	Iron, total in bottom material (ug/g as Fe)
01505	Alpha, suspended total (pCi/L)
01505	Alpha, suspended (pCi/L)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01506	Alpha, suspended total, counting error (pCi/L)
01506	Alpha, suspended, counting error (pCi/L)
01516	Gross alpha radioactivity, suspended total (pCi/L as U natural)
01516	Gross alpha radioactivity, suspended (pCi/L as U natural)
01517	Gross alpha radioactivity, suspended total (pCi/g as U natural)
01517	Gross alpha radioactivity, suspended (pCi/g as U natural)
01518	Gross alpha radioactivity, suspended total (ug/g as U natural)
01518	Gross alpha radioactivity, suspended (ug/g as U natural)
03505	Beta, suspended total (pCi/L)
03505	Beta, suspended (pCi/L)
03506	Beta, suspended total, counting error (pCi/L)
03506	Beta, suspended, counting error (pCi/L)
03516	Gross beta radioactivity, suspended total (pCi/L as Cs-137)
03516	Gross beta radioactivity, suspended (pCi/L as Cs-137)
03517	Gross beta radioactivity, suspended total (pCi/g as Sr/Yt-90)
03517	Gross beta radioactivity, suspended (pCi/g as Sr/Yt-90)
03518	Gross beta radioactivity, suspended total (pCi/g as Cs-137)
03518	Gross Beta radioactivity, suspended (pCi/g as Cs-137)
07010	Tritium, suspended total (pCi/L)
07010	Tritium, suspended (pCi/L)
07011	Tritium, suspended total, counting error (pCi/L)
07011	Tritium, suspended, counting error (pCi/L)
07014	Tritium, suspended total, counting error (tritium units)
07014	Tritium, suspended, counting error (tritium units)
07016	Tritium, suspended total (tritium units)
07016	Tritium, suspended (tritium units)
07052	Calcium 45, suspended total (pCi/L)
07052	Calcium 45, suspended (pCi/L)
07053	Calcium 45, suspended total, counting error (pCi/L)
07053	Calcium 45, suspended, counting error (pCi/L)
07062	Iron 59, suspended total (pCi/L)
07062	Iron 59, suspended (pCi/L)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
07063	Iron 59, suspended total, counting error (pCi/L)
07063	Iron 59, suspended, counting error (pCi/L)
07082	Rhodamine Wt, suspended total (ug/L)
07082	Rhodamine Wt, suspended (ug/L)
07102	Selenium 75, suspended total (pCi/L)
07102	Selenium 75, suspended (pCi/L)
07103	Selenium 75, suspended total, counting error (pCi/L)
07103	Selenium 75, suspended, counting error (pCi/L)
07122	Silver 110, suspended total (pCi/L)
07122	Silver 110, suspended (pCi/L)
07123	Silver 110, suspended total, counting error (pCi/L)
07123	Silver 110, suspended, counting error (pCi/L)
07142	Sulfur 35, suspended total (pCi/L)
07142	Sulfur 35, suspended (pCi/L)
07143	Sulfur 35, suspended total, counting error (pCi/L)
07143	Sulfur 35, suspended, counting error (pCi/L)
09505	Radium 226, suspended total (pCi/L)
09505	Radium 226, suspended (pCi/L)
13505	Strontium 90, suspended total (pCi/L)
13505	Strontium 90, suspended (pCi/L)
13506	Strontium 90, suspended total, counting error (pCi/L)
13506	Strontium 90, suspended, counting error (pCi/L)
22705	Uranium, natural, suspended total (ug/L as U natural)
22705	Uranium, natural, suspended (ug/L as U natural)
28404	Cesium 137, suspended total (pCi/L)
28404	Cesium 137, suspended (pCi/L)
28405	Cesium 137, suspended total, counting error (pCi/L)
28405	Cesium 137, suspended, counting error (pCi/L)
28412	Cesium 134, suspended total (pCi/L)
28412	Cesium 134, suspended (pCi/L)
28413	Cesium 134, suspended total, counting error (pCi/L)
28413	Cesium 134, suspended, counting error (pCi/L)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
29633	Scandium 46, suspended total (pCi/L)
29633	Scandium 46, suspended (pCi/L)
29634	Scandium 46, suspended total, counting error (pCi/L)
29634	Scandium 46, suspended, counting error (pCi/L)
39332	Aldrin, suspended total (ug/L)
39332	Aldrin, suspended (ug/L)
39342	Lindane, suspended total (ug/L)
39342	Lindane, suspended (ug/L)
39353	Chlordane, suspended total (ug/L)
39353	Chlordane, suspended (ug/L)
39362	DDD, suspended total (ug/L)
39362	DDD, suspended (ug/L)
39367	DDE, suspended total (ug/L)
39367	DDE, suspended (ug/L)
39372	DDT, suspended total (ug/L)
39372	DDT, suspended (ug/L)
39382	Dieldrin, suspended total (ug/L)
39382	Dieldrin, suspended (ug/L)
39392	Endrin, suspended total (ug/L)
39392	Endrin, suspended (ug/L)
39402	Toxaphene, suspended total (ug/L)
39402	Toxaphene, suspended (ug/L)
39412	Heptachlor, suspended total (ug/L)
39412	Heptachlor, suspended (ug/L)
39422	Heptachlor epoxide, suspended total (ug/L)
39422	Heptachlor epoxide, suspended (ug/L)
39432	Isodrin, suspended total (ug/L)
39432	Isodrin, suspended (ug/L)
39502	Aroclor, suspended total, 1248 PCB series (ug/L)
39502	Aroclor, suspended, 1248 PCB series (ug/L)
39506	Aroclor, suspended total, 1254 PCB series (ug/L)
39506	Aroclor, suspended, 1254 PCB series (ug/L)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
39510	Aroclor, suspended total, 1260 PCB series (ug/L)
39510	Aroclor, suspended, 1260 PCB series (ug/L)
39518	PCB, suspended total (ug/L)
39518	PCB, suspended (ug/L)
39533	Malathion, suspended total (ug/L)
39533	Malathion, suspended (ug/L)
39543	Parathion, suspended total (ug/L)
39543	Parathion, suspended (ug/L)
39573	Diazinon, suspended total (ug/L)
39573	Diazinon, suspended (ug/L)
39603	Methyl parathion, suspended total (ug/L)
39603	Methyl parathion, suspended (ug/L)
39733	2,4-D, suspended total (ug/L)
39733	2,4-D, suspended (ug/L)
39743	2,4,5-T, suspended total (ug/L)
39743	2,4,5-T, suspended (ug/L)
39757	Mirex, suspended total (ug/L)
39757	Mirex, suspended (ug/L)
39763	Silvex, suspended total (ug/L)
39763	Silvex, suspended (ug/L)
70299	Solids, residue at 110 deg. C, suspended total (mg/L)
70299	Solids, residue at 110 deg. C, suspended (mg/L)
71895	Mercury, suspended recoverable (ug/L as Hg)
71895	Mercury, suspended (ug/L as Hg)
71900	Mercury, total recoverable (ug/L as Hg)
71900	Mercury, total (ug/L as Hg)
71921	Mercury, recoverable from bottom material (ug/g as Hg)
71921	Mercury, total in bottom material (ug/g as Hg)
80040	Gross alpha radioactivity, suspended total (ug/L as U natural)
80040	Gross alpha radioactivity, suspended (ug/L as U natural)
80060	Gross beta radioactivity, suspended total (pCi/L as Sr/Yt-90)
80060	Gross beta radioactivity, suspended (pCi/L as Sr/Yt-90)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
39332	Aldrin, suspended total (ug/L)
39332	Aldrin, suspended (ug/L)
01505	Alpha, suspended total (pCi/L)
01505	Alpha, suspended (pCi/L)
01506	Alpha, suspended total, counting error (pCi/L)
01506	Alpha, suspended, counting error (pCi/L)
01105	Aluminum, total recoverable (ug/L as Al)
01105	Aluminum, total (ug/L as Al)
01107	Aluminum, suspended recoverable (ug/L as Al)
01107	Aluminum, suspended (ug/L as Al)
01108	Aluminum, recoverable from bottom material (ug/g as Al)
01108	Aluminum, total in bottom material (ug/g as Al)
01096	Antimony, suspended total (ug/L as Sb)
01096	Antimony, suspended (ug/L as Sb)
39502	Aroclor, suspended total, 1248 PCB series (ug/L)
39502	Aroclor, suspended, 1248 PCB series (ug/L)
39506	Aroclor, suspended total, 1254 PCB series (ug/L)
39506	Aroclor, suspended, 1254 PCB series (ug/L)
39510	Aroclor, suspended total, 1260 PCB series (ug/L)
39510	Aroclor, suspended, 1260 PCB series (ug/L)
01001	Arsenic, suspended total (mg/L as As)
01001	Arsenic, suspended (ug/L as As)
01006	Barium, suspended recoverable (ug/L as Ba)
01006	Barium, suspended (ug/L as Ba)
01007	Barium, total recoverable (ug/L as Ba)
01007	Barium, total (ug/L as Ba)
01008	Barium, recoverable from bottom material (ug/g as Ba)
01008	Barium, total in bottom material (ug/g as Ba)
01011	Beryllium, suspended recoverable (ug/L as Be)
01011	Beryllium, suspended (ug/L as Be)
01012	Beryllium, total recoverable (ug/L as Be)
01012	Beryllium, total (ug/L as Be)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
01013	Beryllium, recoverable from bottom material (ug/g as Be)
01013	Beryllium, total in bottom material (ug/g as Be)
03505	Beta, suspended total (pCi/L)
03505	Beta, suspended (pCi/L)
03506	Beta, suspended total, counting error (pCi/L)
03506	Beta, suspended, counting error (pCi/L)
01016	Bismuth, suspended total (ug/L as Bi)
01016	Bismuth, suspended (ug/L as Bi)
01021	Boron, suspended recoverable (ug/L as B)
01021	Boron, suspended (ug/L as B)
01022	Boron, total recoverable (ug/L as B)
01022	Boron, total (ug/L as B)
01023	Boron, recoverable from bottom material (ug/g as B)
01023	Boron, total in bottom material (ug/g as B)
01026	Cadmium, suspended recoverable (ug/L as Cd)
01026	Cadmium, suspended (ug/L as Cd)
01027	Cadmium, total recoverable (ug/L as Cd)
01027	Cadmium, total (ug/L as Cd)
01028	Cadmium, recoverable from bottom material (ug/g as Cd)
01028	Cadmium, total in bottom material (ug/g as Cd)
00916	Calcium, total recoverable (mg/L as Ca)
00916	Calcium, total (mg/L as Ca)
07052	Calcium 45, suspended total (pCi/L)
07052	Calcium 45, suspended (pCi/L)
07053	Calcium 45, suspended total, counting error (pCi/L)
07053	Calcium 45, suspended, counting error (pCi/L)
00683	Carbon, organic, suspended total (mg/L as C)
00683	Carbon, organic, suspended (mg/L as C)
00688	Carbon, inorganic, suspended total (mg/L as C)
00688	Carbon, inorganic, suspended (mg/L as C)
00689	Carbon, organic, suspended total (mg/L as C)
00689	Carbon, organic, suspended (mg/L as C)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
00694	Carbon, inorganic plus organic, suspended total (mg/L as C)
00694	Carbon, inorganic plus organic, suspended (mg/L as C)
01116	Cesium, suspended total (ug/L as Cs)
01116	Cesium, suspended (ug/L as Cs)
28404	Cesium 137, suspended total (pCi/L)
28404	Cesium 137, suspended (pCi/L)
28405	Cesium 137, suspended total, counting error (pCi/L)
28405	Cesium 137, suspended, counting error (pCi/L)
28412	Cesium 134, suspended total (pCi/L)
28412	Cesium 134, suspended (pCi/L)
28413	Cesium 134, suspended total, counting error (pCi/L)
28413	Cesium 134, suspended, counting error (pCi/L)
39353	Chlordane, suspended total (ug/L)
39353	Chlordane, suspended (ug/L)
01029	Chromium, recoverable from bottom material (ug/g as Cr)
01029	Chromium, total in bottom material (ug/g as Cr)
01031	Chromium, suspended recoverable (ug/L as Cr)
01031	Chromium, suspended (ug/L as Cr)
01034	Chromium, total recoverable (ug/L as Cr)
01034	Chromium, total (ug/L as Cr)
01036	Cobalt, suspended recoverable (ug/L as Co)
01036	Cobalt, suspended (ug/L as Co)
01037	Cobalt, total recoverable (ug/L as Co)
01037	Cobalt, total (ug/L as Co)
01038	Cobalt, recoverable from bottom material (ug/g as Co)
01038	Cobalt, total in bottom material (ug/g as Co)
01041	Copper, suspended recoverable (ug/L as Cu)
01041	Copper, suspended (ug/L as Cu)
01042	Copper, Total recoverable (ug/L as Cu)
01042	Copper, total (ug/L as Cu)
01043	Copper, recoverable from bottom material (ug/g as Cu)
01043	Copper, total in bottom material (ug/g as Cu)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
39362	DDD, suspended total (ug/L)
39362	DDD, suspended (ug/L)
39367	DDE, suspended total (ug/L)
39367	DDE, suspended (ug/L)
39372	DDT, suspended total (ug/L)
39372	DDT, suspended (ug/L)
39573	Diazinon, suspended total (ug/L)
39573	Diazinon, suspended (ug/L)
39382	Dieldrin, suspended total (ug/L)
39382	Dieldrin, suspended (ug/L)
39392	Endrin, suspended total (ug/L)
39392	Endrin, suspended (ug/L)
01121	Gallium, suspended total (ug/L as Ga)
01121	Gallium, suspended (ug/L as Ga)
01126	Germanium, suspended total (ug/L as Ge)
01126	Germanium, suspended (ug/L as Ge)
01516	Gross alpha radioactivity, suspended total (pCi/L as U natural)
01516	Gross alpha radioactivity, suspended (pCi/L as U natural)
01517	Gross alpha radioactivity, suspended total (pCi/g as U natural)
01517	Gross alpha radioactivity, suspended (pCi/g as U natural)
01518	Gross alpha radioactivity, suspended total (ug/g as U natural)
01518	Gross alpha radioactivity, suspended (ug/g as U natural)
80040	Gross alpha radioactivity, suspended total (ug/L as U natural)
80040	Gross alpha radioactivity, suspended (ug/L as U natural)
80060	Gross beta radioactivity, suspended total (pCi/L as Sr/Yt-90)
80060	Gross beta radioactivity, suspended (pCi/L as Sr/Yt-90)
03516	Gross beta radioactivity, suspended total (pCi/L as Cs-137)
03516	Gross beta radioactivity, suspended (pCi/L as Cs-137)
03517	Gross beta radioactivity, suspended total (pCi/g as Sr/Yt-90)
03517	Gross beta radioactivity, suspended (pCi/g as Sr/Yt-90)
03518	Gross beta radioactivity, suspended total (pCi/g as Cs-137)
03518	Gross Beta radioactivity, suspended (pCi/g as Cs-137)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
39412	Heptachlor, suspended total (ug/L)
39412	Heptachlor, suspended (ug/L)
39422	Heptachlor epoxide, suspended total (ug/L)
39422	Heptachlor epoxide, suspended (ug/L)
01044	Iron, suspended recoverable (ug/L as Fe)
01044	Iron, suspended (ug/L as Fe)
01045	Iron, total recoverable (ug/L as Fe)
01045	Iron, total (ug/L as Fe)
01170	Iron, recoverable from bottom material (ug/g as Fe)
01170	Iron, total in bottom material (ug/g as Fe)
07062	Iron 59, suspended total (pCi/L)
07062	Iron 59, suspended (pCi/L)
07063	Iron 59, suspended total, counting error (pCi/L)
07063	Iron 59, suspended, counting error (pCi/L)
39432	Isodrin, suspended total (ug/L)
39432	Isodrin, suspended (ug/L)
01050	Lead, suspended recoverable (ug/L as Pb)
01050	Lead, suspended (ug/L as Pb)
01051	Lead, total recoverable (ug/L as Pb)
01051	Lead, total (ug/L as Pb)
01052	Lead, recoverable from bottom material (ug/g as Pb)
01052	Lead, total in bottom material (ug/g as Pb)
39342	Lindane, suspended total (ug/L)
39342	Lindane, suspended (ug/L)
01131	Lithium, suspended recoverable (ug/L as Li)
01131	Lithium, suspended (ug/L as Li)
01132	Lithium, total recoverable (ug/L as Li)
01132	Lithium, total (ug/L as Li)
00926	Magnesium, suspended recoverable (mg/L as Mg)
00926	Magnesium, suspended (mg/L as Mg)
00927	Magnesium, total recoverable (mg/L as Mg)
00927	Magnesium, total (mg/L as Mg)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
39533	Malathion, suspended total (ug/L)
39533	Malathion, suspended (ug/L)
01053	Manganese, recoverable from bottom material (ug/g as Mn)
01053	Manganese, total in bottom material (ug/g as Mn)
01054	Manganese, suspended recoverable (ug/L as Mn)
01054	Manganese, suspended (ug/L as Mn)
01055	Manganese, total recoverable (ug/L as Mn)
01055	Manganese, total (ug/L as Mn)
71895	Mercury, suspended recoverable (ug/L as Hg)
71895	Mercury, suspended (ug/L as Hg)
71900	Mercury, total recoverable (ug/L as Hg)
71900	Mercury, total (ug/L as Hg)
71921	Mercury, recoverable from bottom material (ug/g as Hg)
71921	Mercury, total in bottom material (ug/g as Hg)
39603	Methyl parathion, suspended total (ug/L)
39603	Methyl parathion, suspended (ug/L)
39757	Mirex, suspended total (ug/L)
39757	Mirex, suspended (ug/L)
01061	Molybdenum, suspended recoverable (ug/L as Mo)
01061	Molybdenum, suspended (ug/L as Mo)
01062	Molybdenum, total recoverable (ug/L as Mo)
01062	Molybdenum, total (ug/L as Mo)
01063	Molybdenum, recoverable from bottom material (ug/g as Mo)
01063	Molybdenum, total in bottom material (ug/g as Mo)
01066	Nickel, suspended recoverable (ug/L as Ni)
01066	Nickel, suspended (ug/L as Ni)
01067	Nickel, total recoverable (ug/L as Ni)
01067	Nickel, total (ug/L as Ni)
01068	Nickel, recoverable from bottom material (ug/g as Ni)
01068	Nickel, total in bottom material (ug/g as Ni)
00623	Nitrogen, ammonia plus organic, dissolved (mg/L as N)
00623	Nitrogen, kjeldahl, dissolved (mg/L as N)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
00624	Nitrogen, ammonia plus organic, suspended total (mg/L as N)
00624	Nitrogen, kjeldahl, suspended (mg/L as N)
00625	Nitrogen, ammonia plus organic, total (mg/L as N)
00625	Nitrogen, kjeldahl, total (mg/L as N)
00626	Nitrogen, ammonia plus organic, total in bottom material, dry wt (mg/kg as N)
00626	Nitrogen, kjeldahl, total in bottom material, dry wt (mg/kg as N)
39543	Parathion, suspended total (ug/L)
39543	Parathion, suspended (ug/L)
39518	PCB, suspended total (ug/L)
39518	PCB, suspended (ug/L)
09505	Radium 226, suspended total (pCi/L)
09505	Radium 226, suspended (pCi/L)
07082	Rhodamine Wt, suspended total (ug/L)
07082	Rhodamine Wt, suspended (ug/L)
01136	Rubidium, suspended total (ug/L as Rb)
01136	Rubidium, suspended (ug/L as Rb)
29633	Scandium 46, suspended total (pCi/L)
29633	Scandium 46, suspended (pCi/L)
29634	Scandium 46, suspended total, counting error (pCi/L)
29634	Scandium 46, suspended, counting error (pCi/L)
01146	Selenium, suspended total (ug/L as Se)
01146	Selenium, suspended (ug/L as Se)
07102	Selenium 75, suspended total (pCi/L)
07102	Selenium 75, suspended (pCi/L)
07103	Selenium 75, suspended total, counting error (pCi/L)
07103	Selenium 75, suspended, counting error (pCi/L)
01076	Silver, suspended recoverable (ug/L as Ag)
01076	Silver, suspended (ug/L as Ag)
01077	Silver, total recoverable (ug/L as Ag)
01077	Silver, total (ug/L as Ag)
01078	Silver, recoverable from bottom material (ug/g as Ag)
01078	Silver, total in bottom material (ug/g as Ag)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
07122	Silver 110, suspended total (pCi/L)
07122	Silver 110, suspended (pCi/L)
07123	Silver 110, suspended total, counting error (pCi/L)
07123	Silver 110, suspended, counting error (pCi/L)
39763	Silvex, suspended total (ug/L)
39763	Silvex, suspended (ug/L)
70299	Solids, residue at 110 deg. C, suspended total (mg/L)
70299	Solids, residue at 110 deg. C, suspended (mg/L)
01081	Strontium, suspended recoverable (ug/L as Sr)
01081	Strontium, suspended (ug/L as Sr)
01082	Strontium, total recoverable (ug/L as Sr)
01082	Strontium, total (ug/L as Sr)
01083	Strontium, recoverable from bottom material (ug/g as Sr)
01083	Strontium, total in bottom material (ug/g as Sr)
13505	Strontium 90, suspended total (pCi/L)
13505	Strontium 90, suspended (pCi/L)
13506	Strontium 90, suspended total, counting error (pCi/L)
13506	Strontium 90, suspended, counting error (pCi/L)
07142	Sulfur 35, suspended total (pCi/L)
07142	Sulfur 35, suspended (pCi/L)
07143	Sulfur 35, suspended total, counting error (pCi/L)
07143	Sulfur 35, suspended, counting error (pCi/L)
01101	Tin, suspended recoverable (ug/L as Sn)
01101	Tin, suspended (ug/L as Sn)
01102	Tin, total recoverable (ug/L as Sn)
01102	Tin, total (ug/L as Sn)
01151	Titanium, suspended total (ug/L as Ti)
01151	Titanium, suspended (ug/L as Ti)
39402	Toxaphene, suspended total (ug/L)
39402	Toxaphene, suspended (ug/L)
07010	Tritium, suspended total (pCi/L)
07010	Tritium, suspended (pCi/L)

Parm. Code	New Terminology -- First Line Old Terminology -- Second Line
07011	Tritium, suspended total, counting error (pCi/L)
07011	Tritium, suspended, counting error (pCi/L)
07014	Tritium, suspended total, counting error (tritium units)
07014	Tritium, suspended, counting error (tritium units)
07016	Tritium, suspended total (tritium units)
07016	Tritium, suspended (tritium units)
22705	Uranium, natural, suspended total (ug/L as U natural)
22705	Uranium, natural, suspended (ug/L as U natural)
01086	Vanadium, suspended total (ug/L as V)
01086	Vanadium, suspended (ug/L as V)
01091	Zinc, suspended recoverable (ug/L as Zn)
01091	Zinc, suspended (ug/L as Zn)
01092	Zinc, total recoverable (ug/L as Zn)
01092	Zinc, total (ug/L as Zn)
01093	Zinc, recoverable from bottom material (ug/g as Zn)
01093	Zinc, total in bottom material (ug/g as Zn)
01161	Zirconium, suspended total (ug/L as Zr)
01161	Zirconium, suspended (ug/L as Zr)
39733	2,4-D, suspended total (ug/L)
39733	2,4-D, suspended (ug/L)
39743	2,4,5-T, suspended total (ug/L)
39743	2,4,5-T, suspended (ug/L)

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3	square meters (m ²)
	4.047×10^{-1}	square hectometers (hm ²)
	4.047×10^{-3}	square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
cfs-days	2.447×10^3	cubic meters (m ³)
	2.447×10^{-3}	cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3	cubic meters (m ³)
	1.233×10^{-3}	cubic hectometers (hm ³)
	1.233×10^{-6}	cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1	liters per second (L/s)
	2.832×10^1	cubic decimeters per second (dm ³ /s)
	2.832×10^{-2}	cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm ³ /s)
	6.309×10^{-5}	cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1	cubic decimeters per second (dm ³ /s)
	4.381×10^{-2}	cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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