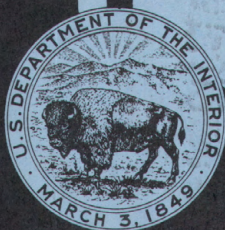
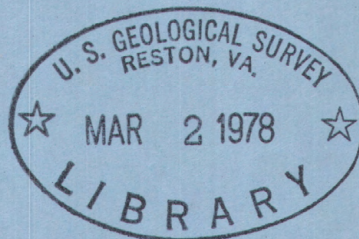


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SOUTH CAROLINA
1977

Water Resources Data for South Carolina Water Year 1977



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-77-1

Prepared in cooperation with the State of South Carolina
and with other agencies

CALENDAR FOR WATER YEAR 1977

1976

OCTOBER

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1977

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AUGUST

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Water Resources Data for South Carolina Water Year 1977



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-77-1

**Prepared in cooperation with the State of South Carolina
and with other agencies**

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

W. A. Radlinski, Acting Director

For information on the water program in South Carolina write to
District Chief, Water Resources Division
U.S. Geological Survey
2001 Assembly Street, Suite 200
Columbia, South Carolina 29201

1978

Preface

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

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

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(d), discharge; (c), chemical; (s), sediment;
(t), water temperature; (g), gage-height; (e), elevation

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WATER RESOURCES DATA FOR SOUTH CAROLINA, 1977

INTRODUCTION

Water resources data for the 1977 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 57 gaging stations; stage-only records for 1 gaging station; stage and contents for 11 lakes and reservoirs; water quality for 19 gaging stations and 5 ungaged stations; and water levels for 24 observation wells. Also included are data for 47 crest-stage partial-record stations. 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 or 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, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records. Beginning with the 1975 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-77-1." Water data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia, 22151.

COOPERATION

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

South Carolina Water Resources Commission, C.P. Guess, Jr., executive director.
South Carolina Public Service Authority, J.B. Thomason, general manager.
South Carolina State Highway Department, P.W. Cobb, chief highway commissioner.
City of Spartanburg, L.D. Cantrell, chairman of commissioners of public works.

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

The following organizations aided in collecting records:

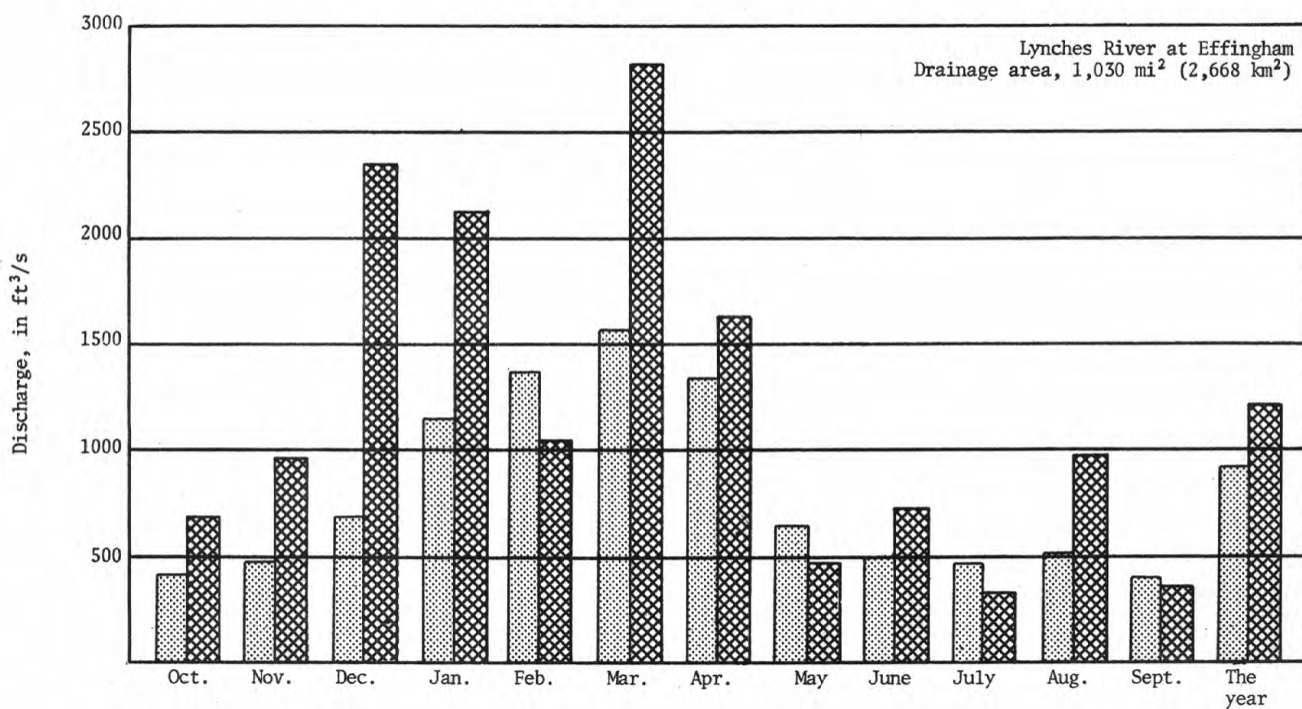
Duke Power Company; Greenwood County Electric Power Commission; South Carolina Electric and Gas Company; South Carolina Public Service Authority; and Carolina Power and Light Company.

HYDROLOGIC CONDITIONS

Streamflow during the 1977 water-year ranged from excessive the first three months of the water year to deficient in July. Floods with recurrence intervals as high as 50 years occurred in the upper Broad River basin during the month of October, and on the 11th of October the highest stage since at least 1936 occurred on the Congaree River at Columbia. Although streamflow for July was well below the median, the magnitude of the deficiency was not significant.

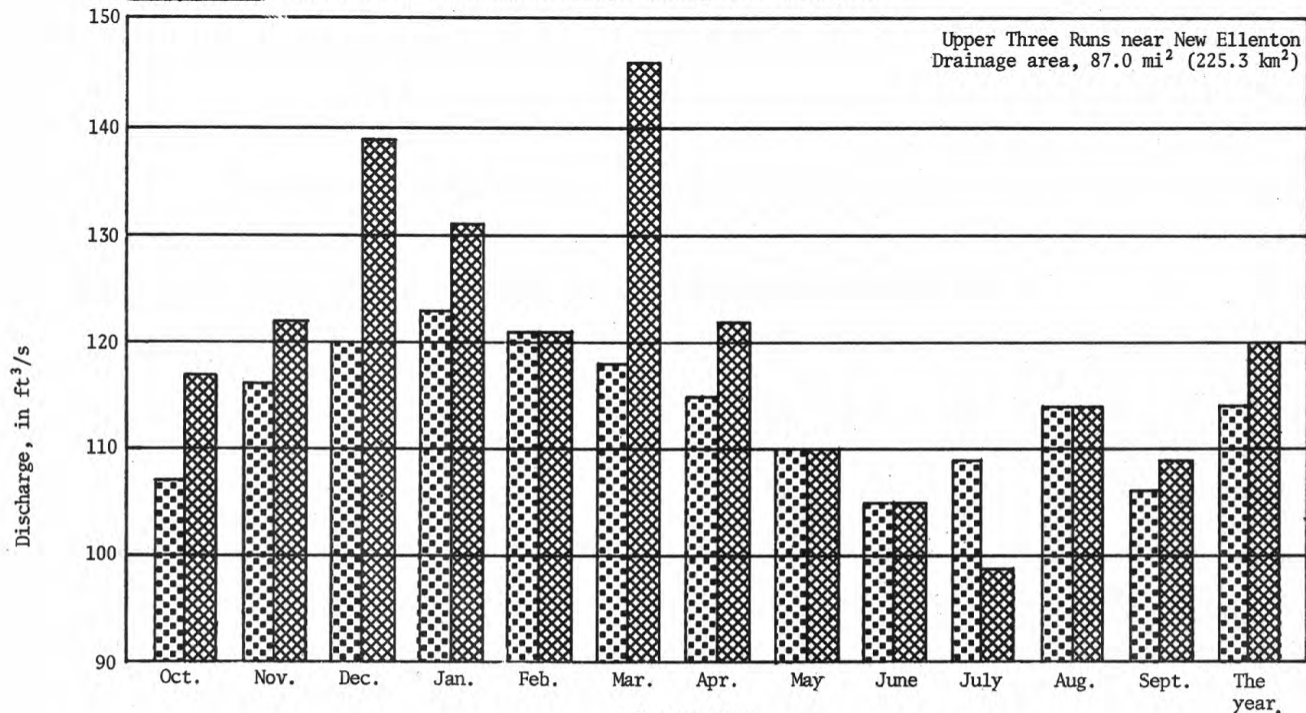
Figure 1 on page 3, compiled from records of two long-term representative gaging stations shows a comparison of the monthly and yearly mean discharges for the 1977 water year with the corresponding median discharges.

HYDROLOGIC CONDITIONS



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

Monthly and yearly mean discharges during 1977 water year.



Explanation

Median of monthly and yearly mean discharges for water years 1967-77.

Monthly and yearly mean discharges during 1977 water year.

Figure 1. Comparison of discharge at two long-term representative gaging stations during 1977 water year with median discharges.

Ground-water conditions have not changed markedly in South Carolina during the 1977 water year. In the upper half of the State above the "Fall Line" known as the Piedmont physiographic province ground water occurs in the fault and fracture systems of the crystalline rocks and in places in the shallow (10-60 feet) material overlying the hard rock. Fluctuation of the water level in wells in this part of South Carolina are controlled mostly by recharge from precipitation.

The remaining half of the State that lies below the "Fall Line" is in the Coastal Plain province and here ground water occur 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 surface to decline. This decline presist 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. Non-artesian or water table aquifers are used mostly for domestic water supplies and are not affected by pumping. Fluctuation of the water level in these wells mostly are dependent on recharge from precipitation.

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 level 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.

Cfs-day is the volume of water represented by 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 (FT³/S, ft³/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 refers to the amount of substance present in true chemical solution. In practice, however, the term includes all forms of substance that will pass through a 0.45-micrometer membrane filter, and thus may include some very small (coloidal) suspended particles. Analyses are performed on filtered samples.

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 noncontribution 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.

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.

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.

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.

Partial-record station is a particular site where limited stream-flow 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:

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

The particle-size 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 plant 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.

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 U.S.G.S. 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 (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on a 0.45 micrometer filter.

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

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

Total load (tons) is the total quantity of any individual constituent, as measured by dry 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 factors 0.0027, times the number of days.

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 NUMBER

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

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

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

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

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

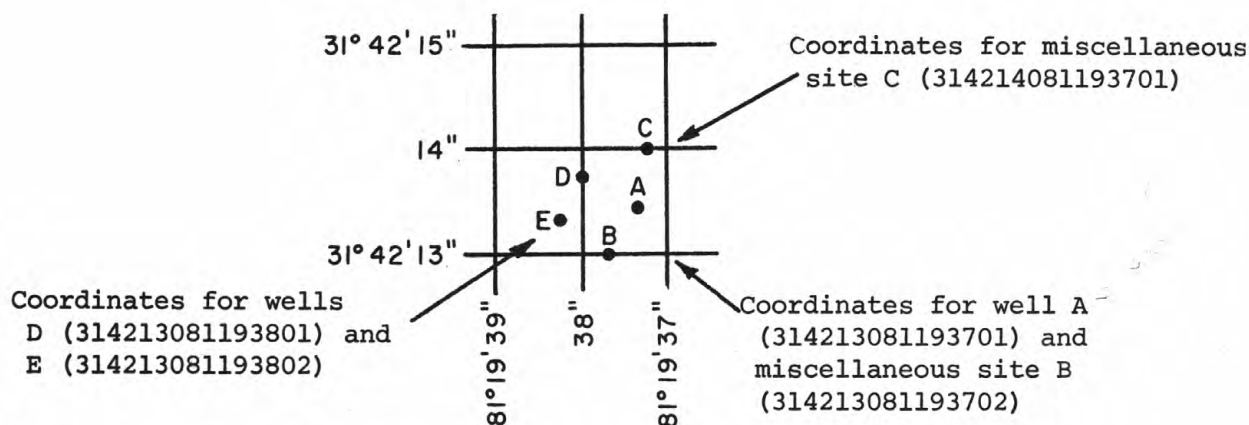


Figure 2. System for numbering wells and miscellaneous sites (latitude and longitude)

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 base data 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. 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 revision 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.

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

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 noncontributing 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. 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. 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-heat 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

Only ground-water level data from a basic network of observation wells are published herein. This basic network contains observation wells so located that the most significant data are obtained from the fewest wells in the most important aquifers.

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. See figure 2.

Measurements are made in many types of wells, under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsd). Mean sea level is the datum plane on which the national network or 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 mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. According, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-one 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 Picket Street, 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 p. \$1.60.
- 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. \$1.90.
- 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. \$1.75.
- 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. \$0.25.
- 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. \$0.20.
- 3-A3. Measurement of peak discharge at culverts by indirect methods, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages. \$0.40.
- 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. \$1.00.
- 3-A5. Measurements of peak discharge at dams by indirect methods, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages. \$0.30.
- 3-A6. General procedure for gaging streams, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6, 1968, 13 pages. \$0.20.
- 3-A7. Stage measurements at gaging stations, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages. \$0.45.

- 3-A8. Discharge measurements at gaging stations, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages. \$1.25.
- 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. \$0.40.
- 3-A12. Fluorometric procedures for dye tracing, by J. F. Wilson Jr.: USGS--TWRI Book 3, Chapter A12. 1968. 31 pages. \$0.35. Not currently available.
- 3-B1. Aquifer-test design, observation, and data analysis, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages \$0.70.
- 3-B2. Introduction to ground-water hydraulics-a programed text for self-instruction, by D. S. Bennett: USGS--TWRI Book 3, Chapter B2 1976. 172 pages.
- 3-C1. Fluvial sediment concepts, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages. \$0.65.
- 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 \$0.70.
- 3-C3. Computation of fluvial-sediment discharge, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages. \$1.15.
- 4-A1. Some statistical tools in hydrology, by H. C. Riggs: USGS--TWRI Book 4 Chapter A1. 1968. 39 pages. \$0.30.
- 4-A2. Frequency curves, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages. \$0.20.
- 4-B1. Low-flow investigations, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972, 18 pages. \$0.65.
- 4-B2. Storage analyses for water supply, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages. \$0.75.
- 4-B3. Regional analyses of streamflow characteristics, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages. \$0.75.
- 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. \$0.65.
- 5-A1. Methods for collection and analysis of water samples for dissolved minerals and gases, by Eugene Brown, M. W. Skougstad, and M. J. Fishman: USGS--TWRI Book 5, Chapter A1. 1970. 160 pages. \$2.40.
- 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. \$0.80.
- 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. \$0.90.
- 5-A4. Methods for collection and analysis of aquatic biological and microbiological samples, by K. V. Slack, R. C. Averett, P. E. Greeson, and R. G. Lipscomb: USGS--TWRI Book 5, Chapter A4. 1973. 165 pages. \$1.95.

- 5-C1. Laboratory theory and methods for sediment analysis, by H. P. Guy: USGS--TWRI Book 5, Chapter C1, 1969. 58 pages. \$0.65.
- 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.
- 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. \$0.70.
- 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. \$0.40.

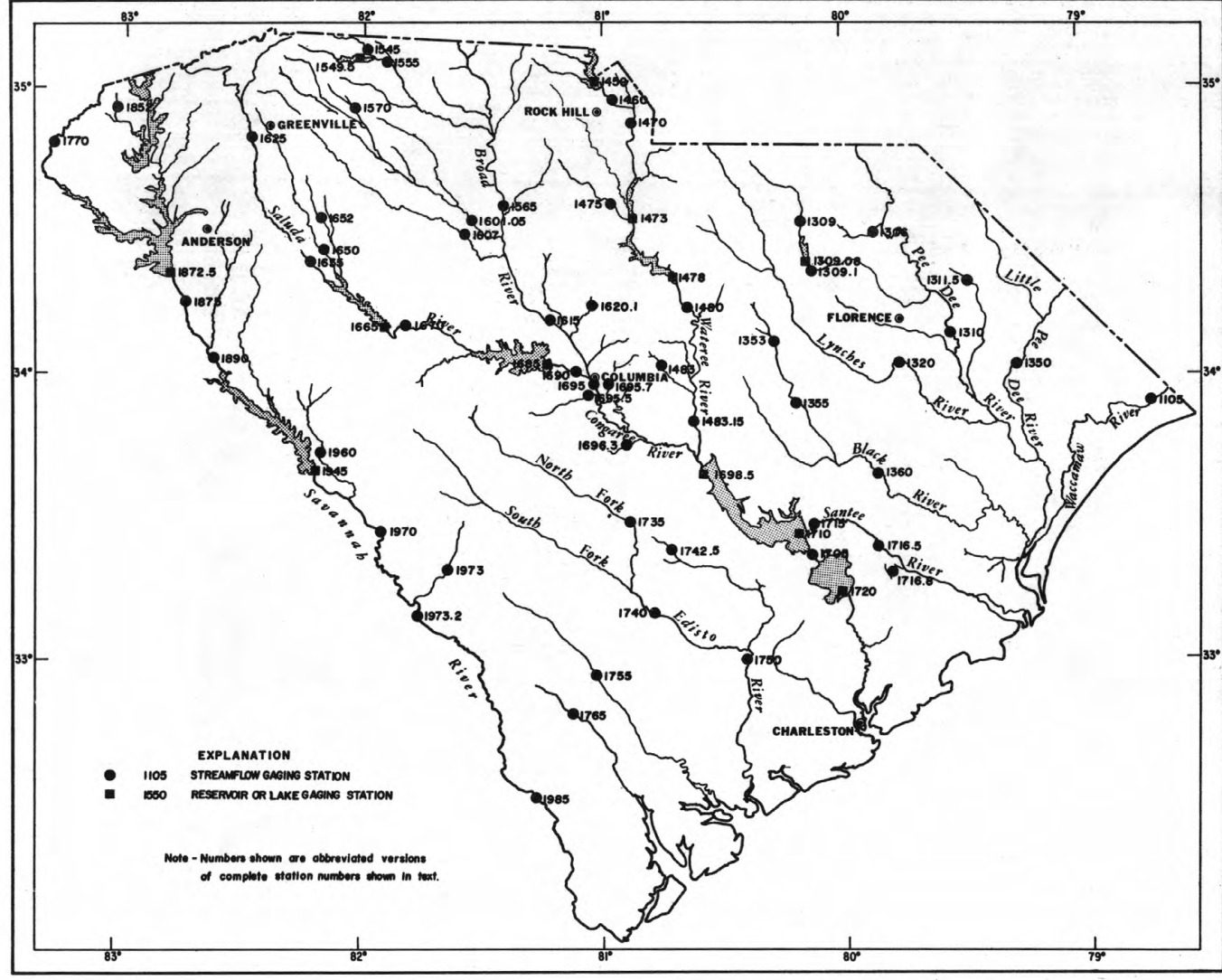


Figure 3. Map of South Carolina showing location of active gaging stations.

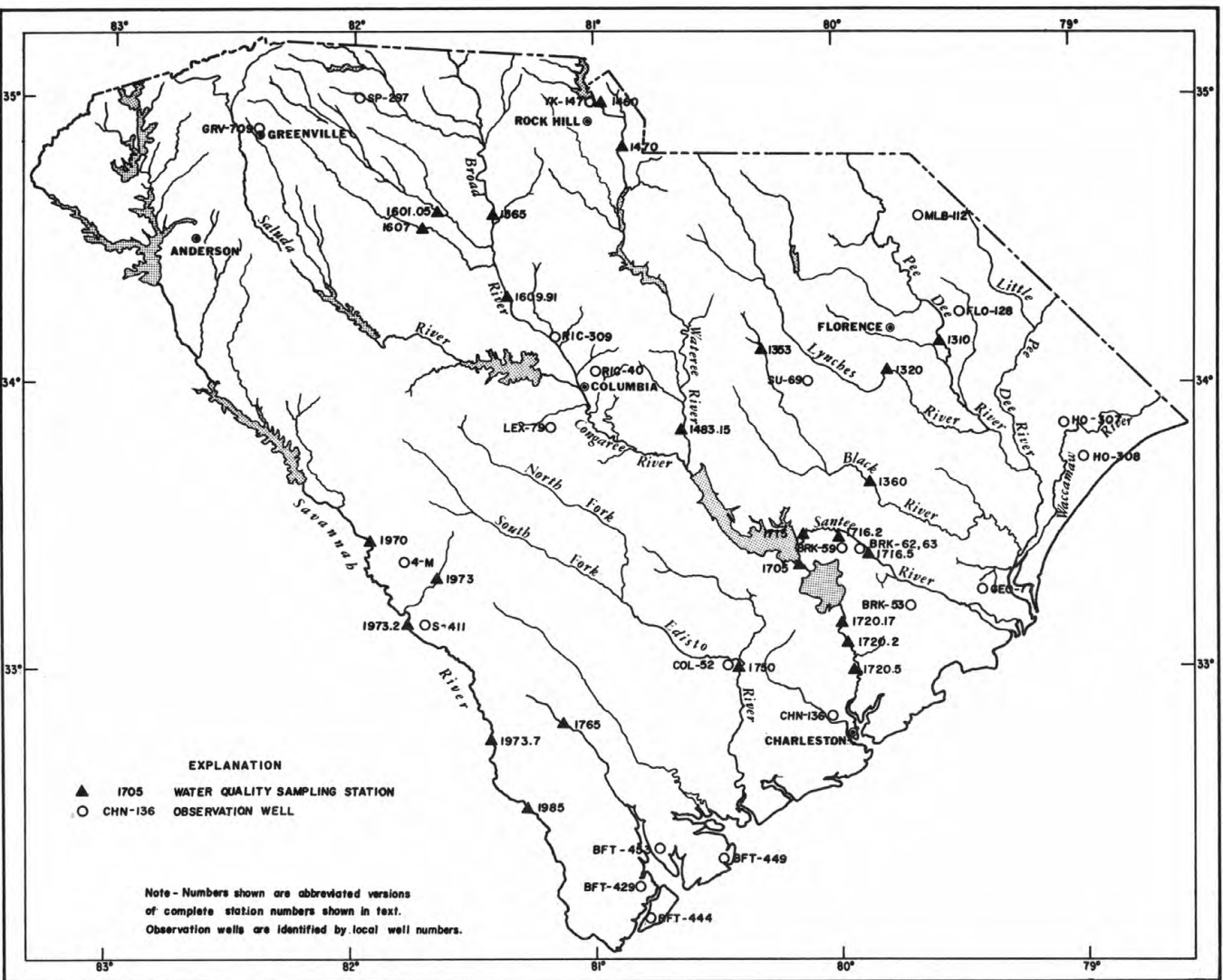


Figure 4. Map of South Carolina showing locations of active water quality stations and ground water wells.

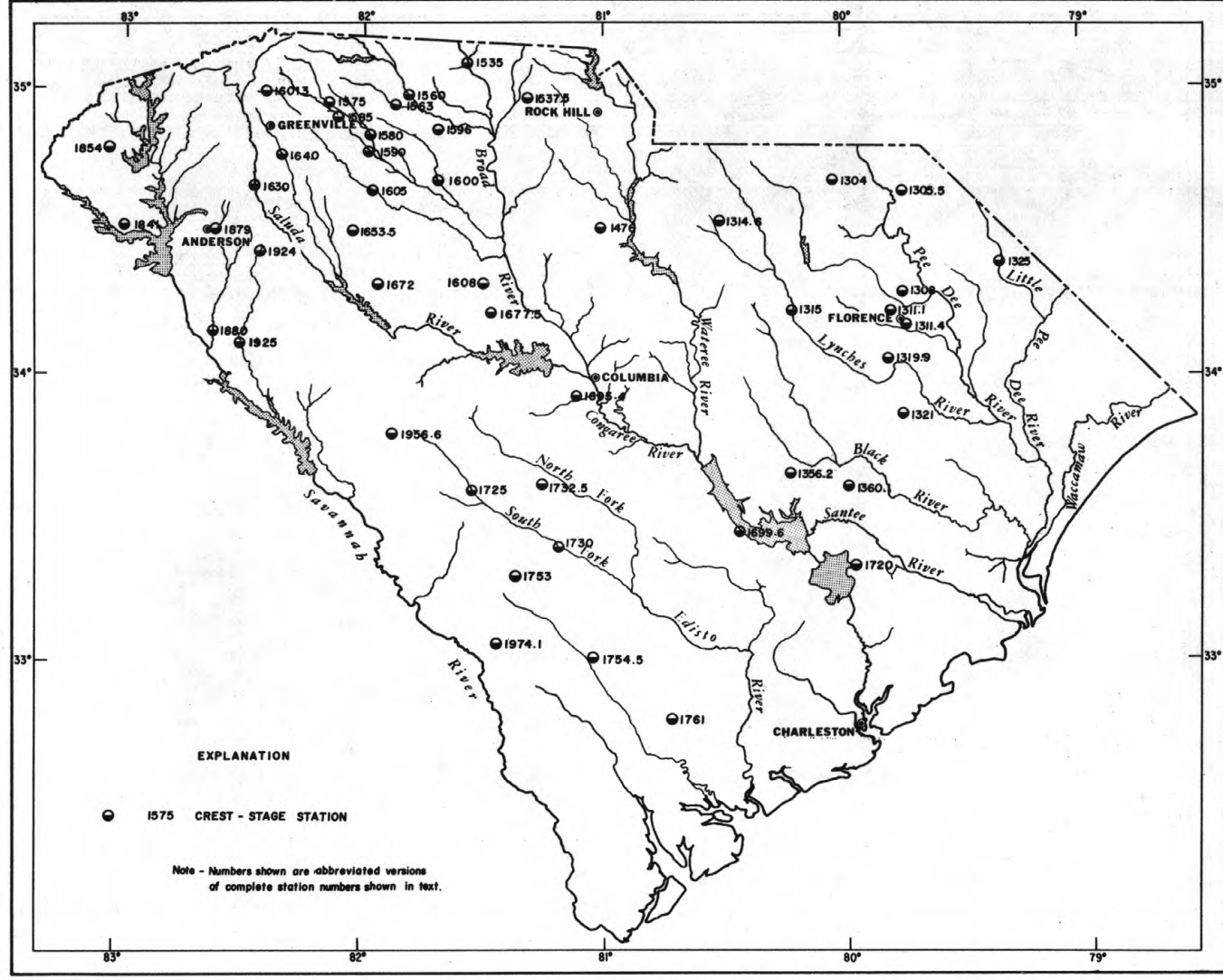


Figure 5. Map of South Carolina showing location of crest-stage stations.

GAGING-STATION RECORDS

29

WACCAMAW RIVER BASIN

02110500 WACCAMAW RIVER NEAR LONGS, S.S.

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) above mean sea level (levels by Corps of Engineers). Prior to Aug. 11, 1967, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--27 years, 1,202 ft³/s (34.0 m³/s), 14.71 in/yr (374 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,100 ft³/s (314 m³/s) about July 6, 1961, gage height, 13.94 ft (4.249 m) (from floodmark); minimum, 1 ft³/s (0.038 m³/s) Oct. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,630 ft³/s (103 m³/s) March 14, gage height, 10.95 ft (3.338 m); minimum, 33 ft³/s (0.935 m³/s) July 26, gage height, 0.80 ft (0.244 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	178	181	334	1910	1270	771	2800	280	737	204	39	246
2	166	174	344	1910	1300	807	2670	254	715	179	39	215
3	156	168	350	1920	1350	844	2550	230	723	173	160	191
4	147	163	354	2000	1340	937	2420	208	680	180	582	174
5	138	156	354	2000	1300	1330	2290	189	641	192	857	175
6	130	148	350	1950	1250	1500	2150	172	620	186	899	173
7	122	141	404	2030	1190	2120	2000	157	684	163	741	170
8	115	134	507	2060	1130	2740	1870	146	674	138	669	199
9	125	126	541	2010	1020	2810	1720	133	638	115	642	256
10	133	120	552	1990	938	2900	1610	123	584	97	611	323
11	124	114	560	1960	873	3060	1520	116	519	83	567	375
12	121	109	690	1930	761	3250	1420	109	451	71	503	412
13	119	104	950	1920	708	3440	1330	102	388	64	420	445
14	116	101	1070	1960	656	3580	1230	96	332	58	345	481
15	112	105	1170	2090	572	3590	1140	90	300	54	278	514
16	107	122	1350	2090	487	3550	1070	83	301	50	229	536
17	108	129	1470	2050	413	3450	996	77	297	47	192	531
18	117	142	1560	1980	371	3320	917	73	287	45	163	500
19	114	153	1670	1910	340	3160	838	69	280	43	155	447
20	137	160	1770	1850	303	3070	754	67	279	42	165	382
21	220	167	1840	1800	265	2950	669	69	279	40	199	325
22	205	170	1870	1750	227	3340	584	69	286	39	242	288
23	196	172	1900	1710	312	3400	506	115	289	38	276	269
24	190	174	1880	1650	461	3220	466	220	289	37	309	261
25	184	174	1840	1640	628	3080	444	453	293	35	344	256
26	199	174	1980	1570	660	3000	410	529	284	38	366	247
27	213	195	2070	1500	680	2990	382	600	272	55	376	237
28	203	232	2020	1470	728	3010	358	671	263	47	369	224
29	193	300	1990	1400	---	2990	332	757	249	40	350	208
30	184	327	1950	1330	---	2940	306	779	229	42	335	193
31	183	---	1930	1300	---	2910	---	767	---	41	285	---
TOTAL	4755	4835	37652	56640	21533	84059	37752	7803	12863	2636	11707	9253
MEAN	153	161	1215	1827	769	2712	1258	252	429	85.0	378	308
MAX	220	327	2070	2090	1350	3590	2800	779	737	204	899	536
MIN	107	101	334	1300	227	771	306	67	229	35	39	170
CFSM	.14	.15	1.10	1.65	.69	2.44	1.13	.23	.39	.08	.34	.28
IN.	.16	.16	1.26	1.90	.72	2.82	1.27	.26	.43	.09	.39	.31
CAL YR 1976	TOTAL	437820	MEAN	1196	MAX	4740	MIN	72	CFSM	1.08	IN	14.67
WTR YR 1977	TOTAL	291480	MEAN	799	MAX	3590	MIN	35	CFSM	.72	IN	9.77

PEE DEE RIVER BASIN

02130600 CEDAR CREEK AT SOCIETY HILL, S.C.

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

DRAINAGE AREA.--58.2 mi² (151 km²), revised.

PERIOD OF RECORD.--October 1970 to current year. Occasional low-flow measurements, water years 1949-65.

GAGE.--Water-stage recorder. Datum of gage is 71.04 ft (21.653 m) above mean sea level.

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 101 ft³/s (2.86 m³/s), 23.57 in/yr (599 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 750 ft³/s (21.2 m³/s) June 23, 1973; maximum gage height, 12.24 ft (3.731 m) Apr. 3, 1973 (caused by backwater); minimum daily, 18 ft³/s (0.51 m³/s) July 18, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 667 ft³/s (18.9 m³/s) Apr. 2, gage height, 8.18 ft (2.493 m); minimum daily, 10 ft³/s (0.28 m³/s) July 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	76	136	106	98	115	596	62	37	32	37	25
2	59	76	127	103	96	114	601	64	46	35	66	25
3	54	72	108	100	95	105	312	57	59	49	86	27
4	52	70	96	102	94	94	137	52	63	42	91	26
5	49	69	90	105	94	96	126	49	38	34	92	28
6	47	69	88	109	93	105	136	44	29	28	83	40
7	48	68	98	121	90	140	137	40	30	23	57	40
8	47	68	116	125	88	157	134	38	37	22	38	37
9	62	67	128	124	86	164	117	41	34	19	30	49
10	77	68	137	290	86	141	103	37	28	17	26	69
11	121	68	127	428	87	118	95	34	25	16	23	83
12	315	70	141	491	88	105	90	34	25	17	21	78
13	134	73	262	291	87	116	86	33	27	22	19	49
14	49	76	321	175	86	166	82	31	43	35	19	39
15	47	130	253	174	86	195	78	29	62	31	25	35
16	46	220	294	167	84	142	74	28	70	22	82	38
17	50	294	371	166	82	116	71	26	56	27	297	56
18	70	223	297	145	82	100	70	25	39	25	232	60
19	82	150	170	132	81	92	67	25	38	16	140	84
20	131	123	147	119	82	111	67	26	35	13	92	109
21	227	106	131	117	82	139	75	25	29	10	59	96
22	290	97	127	115	80	271	82	26	26	14	45	80
23	198	92	110	111	79	427	74	28	33	49	40	56
24	125	88	115	108	85	424	75	34	43	60	37	45
25	94	86	110	112	99	233	80	42	52	49	34	41
26	85	85	127	115	108	144	71	52	76	34	35	39
27	87	90	141	115	118	124	62	59	78	31	34	37
28	87	99	140	115	126	116	60	75	65	34	32	37
29	81	122	147	112	---	123	59	84	43	29	31	38
30	74	132	127	107	---	144	55	54	34	28	28	35
31	74	---	114	103	---	279	---	40	---	31	26	---
TOTAL	3028	3127	4900	4803	2542	4916	3872	1294	1300	894	1957	1501
MEAN	97.7	104	158	155	90.8	159	129	41.7	43.3	28.8	63.1	50.0
MAX	315	294	371	491	126	427	601	84	78	60	297	109
MIN	46	67	88	100	79	92	55	25	25	10	19	25
CFSM	1.68	1.79	2.77	2.66	1.56	2.73	2.22	.72	.74	.50	1.08	.86
IN.	1.94	2.00	3.13	3.07	1.62	3.14	2.47	.83	.83	.57	1.25	.96

CAL YR 1976 TOTAL 34225 MEAN 93.5 MAX 410 MIN 28 CFSM 1.61 IN 21.88
WTR YR 1977 TOTAL 34134 MEAN 93.5 MAX 601 MIN 10 CFSM 1.61 IN 21.82

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) above mean sea level. Prior to Dec. 22, 1959, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--18 years, 172 ft³/s (4.871 m³/s), 21.63 in/yr (549 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 21 ft³/s (0.59 m³/s) Sept. 25, 1968 and Oct. 3, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 19.9 ft³/s (0.56 m³/s) was measured on Sept. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft³/s (14.2 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
March 15	2000	*762 21.6	*9.68 2.950
March 24	1300	606 17.2	9.29 2.832

Minimum discharge, 33 ft³/s (0.93 m³/s) July 10.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	114	222	198	180	173	404	127	87	49	46	39
2	104	115	255	184	172	183	423	126	118	47	66	37
3	98	107	234	179	167	186	355	117	158	45	89	37
4	95	101	183	182	165	168	294	108	172	43	98	36
5	83	97	154	186	166	188	268	102	141	41	98	37
6	75	94	145	194	164	200	283	95	86	37	72	38
7	70	92	170	211	161	264	281	87	92	37	58	39
8	69	91	204	212	156	294	277	83	96	36	49	51
9	97	88	234	215	151	335	258	92	84	35	43	95
10	126	86	300	353	151	331	224	81	70	34	41	98
11	139	86	280	365	152	265	201	75	63	33	38	82
12	150	93	298	423	154	215	188	74	63	58	37	61
13	99	103	292	451	154	231	178	72	68	123	35	52
14	68	108	310	365	154	258	170	69	75	75	37	47
15	62	189	400	310	153	573	163	66	73	57	63	45
16	58	250	436	273	150	566	156	64	71	46	257	52
17	74	271	403	281	145	376	149	63	69	41	144	78
18	107	358	454	299	142	307	144	61	81	38	107	96
19	106	310	391	296	142	270	139	61	74	36	101	98
20	203	239	304	296	142	259	135	60	77	35	99	71
21	326	183	257	267	147	254	132	58	65	34	75	59
22	308	153	232	215	153	360	129	64	58	35	61	52
23	346	143	221	197	147	477	128	77	62	42	54	47
24	274	133	214	188	158	577	133	81	59	40	49	45
25	202	127	204	190	172	454	137	96	83	37	46	44
26	144	125	230	194	176	319	144	150	97	36	44	43
27	128	137	230	200	191	257	133	246	76	38	44	42
28	116	151	230	204	195	231	120	209	62	37	43	43
29	107	195	262	202	---	243	113	173	54	38	41	42
30	103	210	250	194	---	264	121	126	50	42	41	41
31	109	---	210	190	---	307	---	97	---	42	40	---
TOTAL	4194	4549	8250	7714	4461	9385	5980	3060	2484	1367	2116	1647
MEAN	135	152	266	249	159	303	199	98.7	82.8	44.1	68.3	54.9
MAX	346	358	454	451	195	577	423	246	172	123	257	98
MIN	58	86	145	179	142	168	113	58	50	33	35	36
CFSM	1.25	1.41	2.44	2.31	1.47	2.81	1.84	.91	.77	.41	.63	.51
IN.	1.44	1.57	2.84	2.66	1.54	3.23	2.06	1.05	.86	.47	.73	.57

CAL YR 1976	TOTAL	59397	MEAN	162	MAX	638	MIN	48	CFSM	1.50	IN	20.46
WTR YR 1977	TOTAL	55215	MEAN	151	MAX	577	MIN	33	CFSM	1.40	IN	19.02

PEE DEE RIVER BASIN

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 highway bridge, 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) above mean sea level (revised).

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

AVERAGE DISCHARGE.--17 years, 242 ft³/s (6.853 m³/s), 19.00 in/yr (483 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, 51 ft³/s (1.44 m³/s) July 14, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 770 ft³/s (21.8 m³/s) March 25, gage height, 7.67 ft (2.338 m); minimum, 83 ft³/s (2.35 m³/s) July 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	229	228	301	327	281	273	487	179	233	127	90	104
2	221	215	308	312	274	267	490	179	247	123	94	100
3	204	207	322	307	268	263	517	178	235	119	114	97
4	190	201	323	299	264	265	519	174	228	114	124	96
5	178	196	312	292	264	274	503	168	227	110	128	97
6	166	187	297	289	255	286	361	164	220	107	129	98
7	158	185	303	301	256	313	312	157	216	102	126	97
8	151	179	312	300	250	321	327	154	187	97	120	103
9	160	168	313	307	246	335	331	149	175	93	118	121
10	161	166	322	556	240	353	323	138	161	88	110	138
11	162	167	353	616	239	382	313	132	150	85	103	121
12	201	175	567	475	237	351	303	127	144	87	98	119
13	164	174	564	451	238	365	293	125	143	137	93	118
14	157	181	393	478	237	365	283	124	140	127	91	115
15	147	271	424	487	238	370	273	121	143	100	96	116
16	140	305	584	472	239	541	263	117	142	98	148	118
17	154	329	615	430	227	595	252	116	137	94	183	123
18	157	360	644	345	222	541	238	115	139	90	189	127
19	154	446	620	351	222	508	229	115	139	87	184	149
20	224	432	470	343	222	499	223	114	149	85	175	146
21	289	390	390	335	219	415	211	112	148	87	166	131
22	320	361	354	323	214	508	203	112	142	105	158	125
23	347	327	346	309	216	377	198	116	143	94	147	120
24	371	305	337	303	234	454	198	124	137	92	139	117
25	376	287	320	301	247	610	199	130	150	87	133	114
26	367	276	356	294	248	668	196	202	160	86	125	112
27	322	274	345	290	257	511	190	405	158	87	120	111
28	287	278	330	293	278	327	183	375	149	85	117	115
29	260	298	341	293	---	360	181	283	138	85	115	109
30	243	303	333	286	---	402	181	273	132	87	111	106
31	240	---	341	285	---	493	---	252	---	89	107	---
TOTAL	6900	7871	12176	11050	6832	12592	8780	5230	5012	3054	3951	3463
MEAN	223	262	393	356	244	406	293	169	167	98.5	127	115
MAX	376	446	644	616	281	668	519	405	247	137	189	149
MIN	140	166	297	285	214	263	181	112	132	85	90	96
CFSM	1.29	1.51	2.27	2.06	1.41	2.35	1.69	.98	.97	.57	.73	.67
IN.	1.48	1.69	2.62	2.38	1.47	2.71	1.89	1.12	1.08	.66	.85	.74
CAL YR 1976	TOTAL	90186	MEAN 246	MAX 644	MIN 93	CFSM 1.42	IN 19.39					
WTR YR 1977	TOTAL	86911	MEAN 238	MAX 668	MIN 85	CFSM 1.38	IN 18.69					

PEE DEE RIVER BASIN

33

02131000 PEE DEE RIVER AT PEEDEE, S.C.
(Radiochemical program station)

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

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

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, 1941-51 (monthly and yearly runoff).

GAGE.--Water-stage recorder. Datum of gage is 24.73 ft (7.537 m) above mean sea level. Prior to Oct. 1, 1947, at site 1.6 mi (2.6 km) downstream at datum 23.46 ft (7.151 m) above mean sea level.

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

AVERAGE DISCHARGE.--39 years, 9,634 ft³/s (272.8 m³/s), 14.82 in/yr (376 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, 36,500 ft³/s (1,030 m³/s) Dec. 20, gage height, 22.56 ft (6.876 m); minimum daily, 1,280 ft³/s (36.25 m³/s) July 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4400	8040	11400	16000	6120	8030	20800	7210	2830	4420	2940	3430
2	3540	6910	13700	15400	7710	9920	23400	4140	5310	4190	2560	3930
3	3550	7870	13700	12800	8230	10500	27500	3740	6670	3470	2530	3970
4	3740	8170	13200	10600	8710	10700	31800	5910	7330	2420	3880	3920
5	3040	7590	12500	10000	9010	10800	35200	6810	6250	1530	4540	2870
6	5800	6450	11100	10300	8230	11800	35800	7580	3260	1460	4140	1480
7	5890	5390	8170	11100	6940	13500	34500	8260	2910	3250	3880	2190
8	5010	3840	8720	11500	5610	14900	33000	6740	5240	3610	2870	4590
9	6690	3860	13900	11900	6510	17000	31600	3630	5390	3970	2420	8080
10	8650	6430	17200	12500	7550	18100	29700	2730	4430	3770	2380	13000
11	13100	6110	18800	14700	7610	18900	26600	4100	4590	2730	3180	14500
12	16700	4950	20100	18600	6510	18600	22500	3470	3830	1640	3800	16900
13	18700	5800	21300	20900	4500	17800	19800	3850	2130	1460	3620	14900
14	19800	6890	23400	25000	2970	18300	17400	4130	1900	2880	4330	11100
15	20600	6700	26600	29000	3460	20100	15300	4020	4190	3390	3880	8890
16	19800	7960	30100	30500	6690	22200	13800	2260	4950	3550	2960	7880
17	17200	10400	32400	29700	7570	24500	12600	1770	4440	3290	3670	7840
18	14800	11400	34100	27600	8460	25200	11000	2510	3830	1990	4940	8320
19	13200	11400	35600	24400	7950	23700	8710	3540	2220	1280	6430	8300
20	12500	9500	36200	20100	6710	21400	8830	5540	1720	1350	6590	8540
21	13100	7260	35200	17800	4310	19800	9070	5800	2160	2980	5230	8310
22	15600	6470	32000	15900	3670	20300	9510	4030	4130	4560	3760	7400
23	17900	5960	27800	14200	6350	21500	9840	2320	4220	5000	3190	6760
24	18500	7020	23900	11900	6390	24300	10300	1540	2800	4980	3640	6430
25	17900	6980	21200	9460	8010	28000	10100	2360	2560	3010	4250	5620
26	14700	5660	19800	8620	8230	31500	8180	4350	3190	2250	4120	3420
27	12400	4060	18600	8940	7500	32900	8440	5240	2230	2310	3480	3030
28	11500	4920	18000	7790	6250	31000	9070	5550	2380	2740	3770	5170
29	11100	3540	17600	8880	---	25900	9260	5800	4350	2870	2510	5220
30	10900	5780	17200	9220	---	20200	9200	4240	4690	3440	1900	4220
31	10400	---	16600	7470	---	19300	---	3240	---	3690	3060	---
TOTAL	370710	203310	650090	482780	187760	610750	552810	136410	116130	93480	114450	212210
MEAN	11960	6777	20970	15570	6706	19700	18430	4400	3871	3015	3692	7074
MAX	20600	11400	36200	30500	9010	32900	35800	8260	7330	5000	6590	16900
MIN	3040	3540	8170	7470	2970	8030	8180	1540	1720	1280	1900	1480
CFSM	1.35	.77	2.38	1.76	.76	2.23	2.09	.50	.44	.34	.42	.80
IN.	1.56	.86	2.74	2.03	.79	2.57	2.33	.57	.49	.39	.48	.89
CAL YR 1976	TOTAL	3422040	MEAN	9350	MAX	36200	MIN	1490	CFSM	1.06	IN	14.42
WTR YR 1977	TOTAL	3730890	MEAN	10220	MAX	36200	MIN	1280	CFSM	1.16	IN	15.72

PEE DEE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	DIS- SOLVED RA-226 (RADON METHOD) (PC/L)	DIS- SOLVED URANIUM (U) (UG/L)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS SR90 /Y90 (PC/L)	DIS- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENDED GROSS BETA AS CS-137 (PC/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
JAN 17...	1045	<.01	.02	.9	1.3	2.3	.7	2.9	.8	58	25

02131150 CATFISH CANAL AT SELLERS, S.C.

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

DRAINAGE AREA.--27.4 mi² (71.0 km²), revised.

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--10 years, 29.2 ft³/s (0.827 m³/s), 14.47 in/yr (368 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); minimum daily, 0.10 ft³/s (0.003 m³/s) Oct. 5, 1968.

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
Dec. 12	2045	168	4.76	4.64	1.414
March 22	1415	*204	5.78	*5.35	1.631

Minimum daily, 1.0 ft³/s (0.028 m³/s) July 21.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.2	2.0	32	27	29	65	8.0	6.0	4.4	2.5	3.5
2	2.0	2.2	1.6	30	26	26	54	7.6	26	4.6	4.0	3.1
3	1.9	2.1	1.4	29	25	23	48	7.1	22	4.6	7.0	2.8
4	1.9	2.0	1.2	34	24	26	42	6.7	13	3.8	13	2.7
5	1.8	1.6	1.1	34	24	32	43	6.2	9.8	3.3	22	2.9
6	1.7	1.5	1.1	33	24	31	44	5.7	8.2	3.1	22	2.9
7	1.5	1.4	5.3	43	23	64	38	5.3	8.0	2.9	15	2.7
8	1.4	1.4	5.6	48	21	64	34	5.1	6.7	2.5	10	2.3
9	5.6	1.3	4.4	41	21	50	30	4.8	5.8	2.3	7.5	3.6
10	3.5	1.3	3.6	68	21	43	28	4.4	5.3	2.1	6.0	4.3
11	2.4	1.4	3.2	88	21	39	25	4.3	4.9	2.1	4.0	3.3
12	2.1	1.2	11.7	65	20	35	23	4.3	4.8	2.1	3.0	2.8
13	2.0	1.2	14.7	54	20	99	21	3.9	4.6	1.9	2.5	2.5
14	1.8	1.4	8.6	48	20	105	19	3.6	4.4	1.7	2.5	2.3
15	1.6	2.2	8.2	60	19	72	17	3.5	9.1	1.6	3.0	2.2
16	1.5	3.2	13.5	59	18	58	16	3.3	12	1.4	5.0	2.1
17	1.7	1.7	9.0	51	17	49	14	3.1	18	1.4	9.0	2.1
18	2.0	1.1	6.5	44	17	44	13	3.1	12	1.4	20	2.1
19	1.9	8.9	5.4	40	17	39	12	2.9	8.9	1.2	34	1.9
20	5.3	7.8	4.8	37	16	50	11	3.2	6.9	1.2	33	1.8
21	8.0	7.6	4.5	34	16	58	12	3.2	5.3	1.0	18	1.7
22	5.3	6.9	3.9	32	15	182	11	3.2	4.4	1.4	12	1.5
23	3.6	6.5	3.7	30	15	140	11	3.3	17	3.2	8.9	1.4
24	3.1	6.0	3.4	29	21	87	12	8.0	9.8	1.7	8.2	1.4
25	2.8	5.8	3.2	29	28	68	12	12	22	1.4	7.8	1.4
26	3.5	5.8	5.0	32	25	58	11	12	16	1.3	6.7	1.4
27	3.1	7.4	6.0	30	23	50	9.8	14	11	1.4	5.7	1.4
28	2.6	13	4.8	32	31	45	8.7	11	8.9	1.2	5.1	2.0
29	2.4	36	4.3	30	---	66	8.2	9.4	6.0	1.4	4.6	1.4
30	2.3	27	3.7	29	---	80	8.7	7.8	5.1	2.0	4.3	1.4
31	2.4	---	3.5	28	---	85	---	6.9	---	1.4	3.8	---
TOTAL	84.7	242.9	159.8	1273	595	1897	701.4	186.9	301.9	67.0	310.1	68.9
MEAN	2.73	8.10	51.5	41.1	21.3	61.2	23.4	6.03	10.1	2.16	10.0	2.30
MAX	8.0	36	14.7	88	31	182	65	14	26	4.6	34	4.3
MIN	1.4	1.2	1.1	28	15	23	8.2	2.9	4.4	1.0	2.5	1.4
CFSM	.10	.30	1.88	1.50	.78	2.23	.85	.22	.37	.08	.37	.08
IN.	.11	.33	2.17	1.73	.81	2.58	.95	.25	.41	.09	.42	.09

CAL YR 1976	TOTAL	7622.6	MEAN 20.8	MAX 147	MIN 1.2	CFSM .76	IN 10.35
WTR YR 1977	TOTAL	7326.8	MEAN 20.1	MAX 182	MIN 1.0	CFSM .73	IN 9.95

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.

PERIOD OF RECORD.--Current year.

GAGE.--Water-stage recorder. Datum of gage is 302.68 ft (92.257 m) above mean sea level.

REMARKS.--Records fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft³/s (8.50 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. 16	0130	340	9.63	5.16	1.573	Mar. 13	1545	*1,130	32.0	*7.30	2.225
Jan. 10	1415	448	12.7	5.59	1.704	Mar. 22	1015	502	14.2	5.81	1.771

Minimum daily, 0.45 ft³/s (0.0127 m³/s), Sept. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

[illegible]

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	12	37	30	26	35	80	16	19	1.8	8.0	.65
2	10	11	27	29	24	30	61	14	50	1.6	3.6	.55
3	8.0	11	24	31	25	26	63	13	17	1.5	14	.50
4	6.3	11	20	34	26	27	66	12	11	1.4	9.2	.45
5	3.9	11	18	33	27	33	90	12	8.7	1.3	5.1	1.4
6	2.7	11	10	31	24	37	80	12	8.0	1.1	3.4	3.4
7	2.7	11	70	55	22	174	59	11	7.0	.92	2.2	1.5
8	4.3	11	81	38	20	84	50	12	6.0	.70	1.7	5.7
9	34	11	53	37	22	56	43	11	9.0	.60	1.5	8.7
10	10	11	41	357	24	48	38	9.6	7.0	.55	1.3	5.1
11	7.1	11	40	115	22	45	33	9.4	6.0	1.5	1.0	2.4
12	6.1	8.3	101	66	22	42	31	8.7	5.0	3.0	1.0	1.8
13	5.5	12	104	57	24	535	31	8.0	4.5	2.0	1.70	1.1
14	5.3	11	65	62	22	178	28	7.4	4.5	1.4	1.3	1.0
15	4.5	152	160	82	22	77	25	6.7	14	.92	3.8	.92
16	4.1	104	215	64	21	59	24	6.3	10	.70	12	17
17	7.5	36	88	51	21	48	22	5.9	5.0	.60	6.7	21
18	9.3	26	63	46	20	43	20	5.7	4.0	.55	8.9	11
19	7.1	21	53	43	21	38	19	5.7	3.5	.50	8.2	9.6
20	108	19	52	41	24	67	19	4.9	3.0	.50	5.1	6.3
21	50	19	50	39	23	88	26	6.7	2.5	.50	3.4	4.2
22	20	17	43	36	21	390	23	6.1	2.0	2.0	2.4	3.0
23	15	15	42	35	20	112	21	6.1	3.0	1.3	1.8	2.2
24	13	15	40	37	27	68	22	6.3	3.0	.65	1.5	2.0
25	13	15	30	32	37	57	20	8.9	6.0	.55	1.4	2.0
26	13	15	64	36	30	48	17	20	4.0	.55	1.7	1.5
27	11	22	54	34	27	43	15	27	3.2	1.0	1.5	1.5
28	10	38	50	36	38	41	15	17	2.4	.81	1.4	2.0
29	10	109	40	36	---	70	14	13	1.6	1.0	1.3	1.5
30	11	51	35	30	---	118	16	10	1.7	1.5	.92	1.5
31	13	---	35	28	---	167	---	11	---	9.8	.70	---
TOTAL	432.3	827.3	1845	1681	642	2884	1071	323.4	231.6	42.90	116.72	121.47
MEAN	13.9	27.6	59.5	54.2	24.4	93.0	35.7	10.4	7.72	1.38	3.77	4.05
MAX	108	152	215	357	38	535	90	27	50	9.8	14	21
MIN	2.7	8.3	10	28	20	26	14	4.9	1.6	.50	.70	.45
CFSM	.57	1.14	2.45	2.23	1.00	3.83	1.47	.43	.32	.06	.16	.17
IN.	.66	1.27	2.82	2.57	1.04	4.41	1.64	.50	.35	.07	.18	.19

WTR YR 1977 TOTAL 10258.69 MEAN 28.1 MAX 535 MIN .45 CFSM 1.16 IN 15.70

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) above mean sea level. Prior to Sept. 7, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--48 years, 1,024 ft³/s (29.00 m³/s), 13.50 in/yr (343 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, 4,920 ft³/s (139 m³/s) March 20, gage height, 13.81 ft (4.209 m); minimum, 201 ft³/s (5.69 m³/s) July 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	398	1170	1010	1790	1380	1120	2700	674	972	642	441	328
2	507	863	1010	1770	1350	1190	2390	627	1070	526	419	311
3	608	680	1060	1820	1320	1280	2120	587	1220	528	740	305
4	646	615	1130	2020	1290	1370	1960	577	1340	456	1440	299
5	550	601	1190	1970	1250	1490	2180	587	1440	400	2640	306
6	451	595	1280	1780	1190	1530	3210	587	1510	389	2790	302
7	456	577	1620	1710	1130	1810	3310	560	1320	363	1930	287
8	464	550	2110	1700	1090	1930	2910	523	1120	327	1270	277
9	438	529	2100	1640	1060	1830	2470	492	894	304	958	287
10	385	514	1760	1660	1040	1770	2170	464	640	282	704	299
11	356	503	1460	1720	1020	1820	1980	435	551	270	513	299
12	355	498	1440	1750	992	1950	1910	414	535	258	406	321
13	416	495	1750	1900	965	2500	1990	400	496	243	346	363
14	523	493	2050	2240	943	3520	1950	388	463	235	315	365
15	634	544	2910	2590	928	3910	1750	375	473	233	346	334
16	688	636	3640	3170	921	3590	1520	366	478	231	487	317
17	582	698	3630	4160	913	2950	1320	358	463	237	518	322
18	459	798	3420	4080	908	2450	1160	347	466	245	541	295
19	411	929	3630	3400	906	3640	1050	337	466	238	1230	308
20	429	1080	3880	2750	891	4840	970	339	458	225	2100	389
21	538	1190	3700	2390	870	4300	906	341	447	217	2310	474
22	616	1280	3720	2260	851	4100	848	334	474	215	1810	564
23	694	1600	3780	2250	832	3790	802	335	492	211	1270	648
24	781	2210	3420	2180	889	3430	797	359	473	206	940	674
25	874	2240	2920	2000	997	3070	797	384	474	203	778	526
26	986	1910	2640	1790	1010	2830	792	400	473	222	720	381
27	1070	1550	2490	1620	982	3190	772	429	480	387	551	327
28	1180	1290	2300	1520	1060	4570	741	481	555	426	452	308
29	1500	1160	2120	1470	---	4630	727	582	667	432	400	296
30	1700	1070	1980	1430	---	3840	712	758	713	480	375	287
31	1510	---	1860	1400	---	3150	---	906	---	487	357	---
TOTAL	21205	28868	73010	65930	28978	87390	48914	14746	21623	10118	30097	10799
MEAN	684	962	2355	2127	1035	2819	1630	476	721	326	971	360
MAX	1700	2240	3880	4160	1380	4840	3310	906	1510	642	2790	674
MIN	355	493	1010	1400	832	1120	712	334	447	203	315	277
CFSM	.66	.93	2.20	2.07	1.01	2.74	1.58	.46	.70	.32	.94	.35
IN.	.77	1.04	2.64	2.38	1.05	3.16	1.77	.53	.78	.37	1.09	.39
CAL YR 1976	TOTAL	445634	MEAN	1218	MAX	4370	MIN	240	CFSM	1.18	IN	16.09
WTR YR 1977	TOTAL	441678	MEAN	1210	MAX	4840	MIN	203	CFSM	1.18	IN	15.95

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORDS.--

SPECIFIC CONDUCTANCE: April 1975 to current year.

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

INSTRUMENTATION.--Servo Programmer since April 1975.

EXTREMES FOR PERIOD OF DAILY RECORDS.--

SPECIFIC CONDUCTANCE: Maximum, 118 micromhos July 6, 1976; minimum, 30 micromhos July 20, 1976.

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 108 micromhos July 26; minimum, 35 micromhos July 15.

WATER TEMPERATURE: Maximum, 30.5°C July 9, 10; minimum, 0.0°C Jan. 20-23.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	ALKA- LINIT- AS CACO3 (MG/L)	BICAR- BONATE (HCO3) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	CARRON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)
OCT												
05...	0915	19.0	8.2	66	6.6	11	13	2.2	0	7.4	5.2	204
NOV												
03...	1015	10.0	10.8	65	6.5	8	10	1.8	0	7.6	5.1	190
DEC												
01...	1010	7.0	10.6	66	6.7	11	14	2.6	0	7.8	4.5	87
JAN												
11...	1030	3.0	12.1	61	6.6	11	14	3.0	0	8.6	5.6	131
FEB												
09...	1015	2.0	13.4	54	6.7	11	13	2.9	0	6.4	4.2	50
MAR												
08...	1030	10.0	10.1	57	6.6	9	11	2.7	0	7.2	4.4	300
APR												
06...	1000	16.7	7.1	43	6.5	13	16	3.5	0	5.2	8.1	187
MAY												
04...	0945	19.5	8.4	57	7.1	11	13	2.2	0	6.4	1.7	97
JUN												
01...	0930	22.5	6.7	62	6.4	10	12	3.5	0	5.8	7.6	330
JUL												
12...	1000	29.0	7.0	48	6.8	11	14	2.0	0	5.5	3.6	102
AUG												
09...	0945	26.0	6.2	67	6.3	9	11	3.5	0	7.6	8.8	470
SEP												
13...	0915	23.0	7.5	95	7.1	19	23	1.8	0	10	2.9	297

DATE	FECAL STREP- TOCOCOI KF AGAR (COL. PER 100 ML)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	HARD- NESS (CA+MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)
OCT											
05...	208	.1	0	9	.8	.37	.28	.09	1.6	.01	59
NOV											
03...	270	.2	0	8	.8	.40	.33	.07	1.8	.03	25
DEC											
01...	267	.1	0	11	1.1	.36	.30	.06	1.6	.02	36
JAN											
11...	207	.0	1	13	1.3	.62	.31	.31	2.7	.01	270
FEB											
09...	50	.1	3	13	1.5	.47	.22	.25	2.1	.01	--
MAR											
08...	550	.0	0	9	.5	.64	.46	.18	2.8	.03	560
APR											
06...	357	.1	1	14	1.3	.72	.70	.02	3.2	.05	0
MAY											
04...	133	.0	0	10	1.0	.51	.23	.28	2.3	--	450
JUN											
01...	11100	.0	4	14	1.2	.56	.41	.15	2.5	.06	290
JUL											
12...	187	.0	0	9	1.0	.82	.44	.38	3.6	.01	--
AUG											
09...	600	.0	4	13	1.1	.85	.73	.12	3.8	.04	--
SEP											
13...	290	.0	0	8	.8	.45	.15	.30	2.0	.08	--

PEE DEE RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED PO-TAS- SIUM (K) (MG/L)	DIS-SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	SODIUM AD-SORP- TION RATIO	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	DIS-SOLVED SULFATE (SO4) (MG/L)	TUR- BID- ITY (JTU)
OCT 05...	1.4	64	44	97.5	.09	1.3	8.2	8.6	64	8.6	9
NOV 03...	1.3	55	41	101	.07	1.4	8.8	8.8	67	7.1	6
DEC 01...	1.3	42	43	113	.06	.9	8.5	6.8	54	7.1	4
JAN 11...	1.1	52	35	241	.07	.7	6.0	5.7	47	2.3	4
FEB 09...	1.0	33	34	94.4	.04	.7	5.7	6.0	47	4.4	5
MAR 08...	1.2	52	35	274	.07	1.0	5.0	6.5	58	6.3	7
APR 06...	1.1	56	35	475	.08	.5	5.7	4.5	39	5.3	15
MAY 04...	1.1	46	37	71.3	.06	1.0	7.4	7.1	58	4.9	10
JUN 01...	1.3	60	43	156	.08	.7	7.1	6.2	47	11	25
JUL 12...	.9	58	32	36.2	.08	.8	6.8	5.3	53	3.8	4
AUG 09...	1.6	78	44	195	.11	1.0	8.0	8.3	54	8.2	5
SEP 13...	1.2	74	55	67.7	.10	2.5	7.0	16	79	6.4	7

DATE	TIME	DIS-SOLVED ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	SUS-PENDED CAD-MIUM (CD) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	SUS-PENDED CHRO-MIUM (CR) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
DEC 01...	1010	0	1	1	2	0	2	4.2	14	6	20	0
MAR 08...	1030	0	--	--	2	--	--	7.8	5	--	--	0
JUN 01...	0930	2	0	2	0	0	0	4.8	7	3	10	0
SEP 13...	0915	0	0	0	0	0	0	7.4	4	<6	<10	0

DATE	SUS-PENDED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED MAN-GANESE (MN) (UG/L)
DEC 01...	0	0	3	1	4	530	350	22	0	8	0
MAR 08...	--	--	3	--	--	--	180	18	--	--	--
JUN 01...	0	0	5	0	3	1600	360	16	0	12	40
SEP 13...	0	0	0	1	1	1400	650	38	0	11	50

DATE	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	SUS-PENDED SELENIUM (SE) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)
DEC 01...	10	10	.0	.1	.1	0	0	0	10	0	10
MAR 08...	--	20	.0	--	--	0	--	--	20	--	--
JUN 01...	80	40	.0	.1	.1	0	0	0	50	0	10
SEP 13...	70	20	<.5	.0	<.5	0	0	0	10	0	10

PEE DEE RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT					
05...	0915	564	13	20	100
NOV					
03...	1015	680	4	7.3	100
DEC					
01...	1010	1000	3	8.1	100
JAN					
11...	1030	1720	20	93	100
FEB					
09...	1015	1060	2	5.7	100
MAR					
08...	1030	1950	3	17	100
APR					
06...	1000	3140	11	93	100
MAY					
04...	0945	574	11	17	100
JUN					
01...	0930	963	19	49	100
JUL					
12...	1000	231	3	1.9	100
AUG					
09...	0945	928	5	13	100
SEP					
13...	0915	339	6	5.5	100

PEE DEE RIVER BASIN

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	88	62	80	70	62	66	68	62	65	55	54	54
2	86	65	73	72	70	71	62	56	59	55	54	55
3	65	63	64	70	66	67	57	54	56	55	54	55
4	66	64	65	66	64	65	58	54	55	56	55	55
5	67	62	66	76	67	74	59	58	59	57	56	56
6	62	55	58	77	68	73	58	56	57	60	57	58
7	67	55	59	71	68	69	56	54	55	62	60	61
8	80	68	77	75	72	73	53	52	52	63	62	62
9	79	76	78	75	72	74	53	52	52	63	62	62
10	78	76	77	72	66	69	57	53	55	64	63	63
11	79	75	77	66	61	63	60	58	59	64	60	62
12	76	71	75	75	64	71	63	60	61	61	59	60
13	70	60	64	75	74	74	64	63	64	60	59	60
14	65	59	63	75	72	74	63	57	61	59	55	57
15	64	61	62	74	72	73	57	53	54	55	51	53
16	65	62	64	77	70	74	54	53	54	52	46	49
17	69	65	68	69	65	67	55	54	55	47	45	46
18	74	69	71	69	65	67	56	55	55	48	45	47
19	78	74	77	69	64	66	55	54	55	48	47	48
20	76	67	70	65	62	63	54	52	53	50	48	49
21	73	66	68	63	62	62	52	51	52	53	49	51
22	75	71	73	62	60	61	51	47	49	52	51	52
23	71	69	70	60	55	58	48	47	47	52	50	51
24	69	64	66	55	52	53	48	46	47	53	51	52
25	67	64	66	53	50	51	49	47	48	54	53	54
26	69	67	68	52	50	51	50	48	49	54	53	54
27	68	67	68	56	51	54	51	50	50	55	53	54
28	67	66	67	60	56	58	52	50	51	56	55	56
29	66	63	65	66	61	64	53	51	52	56	56	56
30	62	61	62	68	66	67	53	52	52	57	55	56
31	62	61	61	---	---	---	54	53	54	58	57	58

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

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	66	58	62	62	60	61	78	73	74	71	53	61
2	58	55	56	67	63	65	80	72	76	67	52	56
3	57	55	56	64	60	62	84	64	74	77	67	73
4	57	56	57	61	58	60	63	56	60	83	77	81
5	56	55	56	57	50	52	55	48	51	82	78	80
6	58	56	57	55	51	54	52	47	49	84	79	82
7	59	57	58	56	53	55	57	51	54	79	61	70
8	57	55	57	57	53	56	61	57	60	61	53	57
9	63	55	58	56	52	54	63	58	59	52	48	50
10	70	63	67	58	56	57	69	64	67	69	47	54
11	72	71	72	55	46	51	64	61	62	78	70	76
12	72	67	69	46	39	43	73	62	67	85	78	82
13	76	66	70	39	37	38	79	73	77	82	64	74
14	76	73	75	39	36	38	81	78	80	63	45	55
15	73	62	68	37	35	36	82	75	78	44	37	39
16	69	61	63	58	37	49	76	70	74	71	39	55
17	78	70	76	72	58	68	82	65	69	84	71	81
18	83	78	82	70	62	66	71	58	61	86	75	81
19	82	75	80	63	52	60	80	44	50	91	83	87
20	75	68	72	51	40	45	43	36	39	89	63	81
21	74	68	72	45	41	43	41	36	38	62	40	48
22	77	68	74	45	42	43	47	41	44	48	43	45
23	68	63	65	68	44	58	47	47	47	46	44	45
24	76	66	71	69	66	67	49	47	48	49	46	48
25	77	73	75	79	69	73	54	48	51	56	51	54
26	76	72	75	108	72	80	57	53	54	62	56	60
27	74	71	73	81	60	70	65	57	62	63	59	62
28	73	70	72	79	62	71	72	64	68	60	48	52
29	69	59	65	93	70	77	78	71	74	52	48	50
30	60	57	58	97	88	92	78	74	75	80	50	64
31	---	---	---	96	78	87	73	62	66	---	---	---
YEAR	108	35	62									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.5	20.5	21.0	11.5	11.0	11.5	9.0	7.0	8.0	7.0	5.5	6.0
2	20.5	19.5	20.0	11.5	11.0	11.0	7.0	6.0	6.5	5.0	4.0	4.5
3	20.0	19.0	19.5	11.0	10.0	10.5	6.0	6.0	6.0	4.0	3.5	3.5
4	20.0	19.0	19.5	10.5	9.5	10.0	6.0	6.0	6.0	4.0	3.0	3.5
5	20.0	19.0	19.5	10.0	9.5	10.0	6.0	6.0	6.0	5.0	4.0	4.5
6	20.0	19.0	19.5	10.0	8.5	9.5	7.0	6.0	6.5	5.5	5.0	5.5
7	20.0	19.0	19.5	9.5	8.5	9.0	8.5	7.0	8.0	6.0	5.5	6.0
8	21.0	19.5	20.0	9.5	8.5	9.0	8.5	8.0	8.5	6.0	5.0	5.5
9	21.0	20.0	21.0	8.5	8.0	8.0	8.0	6.5	7.5	5.0	5.0	5.0
10	20.0	18.5	19.0	9.0	8.0	8.5	6.5	6.0	6.0	6.0	5.0	5.5
11	18.5	17.0	17.5	10.0	9.0	9.5	7.5	6.5	7.0	5.5	3.5	4.0
12	17.0	16.0	16.5	10.5	10.0	10.0	10.0	7.5	8.5	3.0	2.5	2.5
13	16.0	15.0	16.0	10.0	8.5	9.0	10.5	10.0	10.5	2.5	2.0	2.0
14	16.5	15.0	16.0	8.5	8.0	8.0	10.0	8.5	9.0	3.0	2.5	2.5
15	16.5	15.5	16.0	8.0	7.5	7.5	9.0	8.5	8.5	4.0	3.0	3.5
16	16.5	15.5	16.0	8.0	7.5	8.0	9.5	8.5	9.0	4.0	3.5	3.5
17	16.0	15.5	16.0	8.5	8.0	8.0	9.5	8.5	9.0	3.5	2.0	3.0
18	15.5	14.5	15.0	9.0	8.0	8.5	9.0	8.5	8.5	2.0	1.0	1.5
19	14.0	13.5	14.0	9.5	8.5	9.0	9.0	8.5	9.0	1.0	0.5	0.5
20	14.5	14.0	14.0	10.5	9.5	10.0	9.5	9.0	9.5	0.5	0.0	0.5
21	14.0	13.5	13.5	11.0	10.5	11.0	9.5	8.0	9.0	0.5	0.0	0.5
22	13.5	12.5	13.0	11.0	9.0	10.0	8.0	6.0	7.0	0.5	0.0	0.5
23	12.5	12.0	12.0	9.0	8.0	8.0	6.0	5.5	5.5	0.5	0.0	0.5
24	12.5	12.0	12.5	8.0	7.5	7.5	5.5	4.5	5.0	1.0	0.5	0.5
25	13.5	12.5	13.0	7.5	7.0	7.5	4.5	4.0	4.5	2.0	1.0	1.5
26	14.5	13.5	14.0	8.0	7.5	7.5	6.0	4.5	5.5	2.5	1.5	2.0
27	14.5	13.0	13.5	10.0	8.0	9.0	6.0	5.5	6.0	3.0	2.5	2.5
28	13.0	11.0	12.0	11.5	10.0	10.5	6.5	6.0	6.0	4.5	3.5	4.0
29	11.0	10.0	10.5	12.5	12.0	12.0	7.0	7.0	7.0	4.5	3.5	4.0
30	10.0	9.5	9.5	12.0	9.0	10.5	6.5	6.0	6.0	3.5	2.5	2.5
31	11.5	10.0	11.0	---	---	---	7.5	6.0	6.5	3.0	2.5	2.5

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

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

DAY	MAX	MIN		MEAN	MAX	MIN		MEAN	MAX	MIN		MEAN
		JUNE	JULY			AUGUST	SEPTEMBER					
1	23.5	22.5	23.0	27.5	26.0	27.0	26.5	25.0	25.5	27.0	25.5	26.5
2	23.5	22.0	23.0	27.0	26.0	26.5	26.0	24.0	25.0	27.0	25.5	26.0
3	23.0	22.0	22.5	27.0	25.5	26.0	24.5	23.0	24.0	26.5	25.0	26.0
4	23.0	22.0	22.5	27.5	25.5	26.5	23.5	23.0	23.0	26.0	25.0	25.5
5	23.5	22.0	22.5	28.0	25.5	27.0	23.5	22.5	23.0	25.5	24.5	25.0
6	23.5	22.5	23.0	29.0	26.5	27.5	24.5	23.5	24.0	26.5	24.5	25.5
7	23.5	22.5	23.0	29.5	27.5	28.5	25.5	24.0	24.5	27.0	25.0	26.0
8	22.0	21.0	21.5	30.0	28.0	29.0	26.5	25.0	25.5	28.0	26.0	27.0
9	22.0	20.5	21.5	30.5	28.0	29.5	27.0	25.5	26.5	27.0	26.0	26.5
10	22.5	20.5	21.5	30.5	28.5	29.0	28.0	26.0	27.0	27.0	25.0	26.0
11	22.5	20.5	21.5	29.5	28.0	29.0	28.5	26.5	27.5	26.0	24.5	25.5
12	23.0	21.0	22.0	30.0	28.0	29.0	28.5	26.5	27.5	25.0	23.5	24.0
13	24.0	22.5	23.0	30.0	28.0	29.0	28.5	27.5	28.0	24.5	23.0	23.5
14	25.0	23.5	24.0	29.5	28.0	29.0	27.5	26.5	27.5	24.5	23.0	24.0
15	25.0	24.0	24.0	30.0	27.5	28.5	27.0	26.0	26.5	25.5	24.0	24.5
16	25.0	23.5	24.0	30.0	28.0	29.0	27.0	25.5	26.5	25.5	24.0	25.0
17	25.5	24.0	24.5	29.5	27.5	28.5	27.5	26.0	26.5	25.0	24.0	24.5
18	26.0	24.5	25.0	29.5	27.5	28.5	26.5	24.5	26.0	26.0	24.5	25.0
19	26.5	24.5	25.5	30.0	27.5	28.5	24.5	22.5	23.0	26.0	25.0	25.5
20	27.0	25.0	26.0	30.0	27.5	29.0	22.5	22.0	22.5	26.0	24.5	25.5
21	27.5	25.5	26.5	30.0	28.0	29.0	23.0	22.0	22.5	26.0	24.5	25.5
22	27.0	25.5	26.5	29.0	28.0	28.5	23.5	22.5	23.0	25.5	24.0	24.5
23	27.0	25.5	26.0	29.5	27.5	28.0	24.5	23.0	24.0	24.0	23.0	23.5
24	26.0	25.0	25.5	28.5	26.5	27.5	25.0	24.0	24.5	23.0	22.0	22.5
25	27.0	25.0	25.5	28.5	26.0	27.0	25.0	24.5	25.0	23.5	22.0	23.0
26	26.5	25.0	26.0	27.0	25.5	26.5	25.0	24.0	24.5	24.5	22.5	23.5
27	27.0	25.0	26.0	26.0	24.5	25.0	25.5	24.5	25.0	24.5	23.0	24.0
28	27.5	26.0	26.5	25.5	24.0	24.5	26.5	24.5	25.5	24.5	23.5	24.0
29	27.5	25.5	26.5	24.5	24.0	24.0	26.5	25.0	25.5	23.5	22.5	23.0
30	27.5	25.5	26.5	25.5	23.5	24.5	27.0	25.0	26.0	22.5	22.0	22.0
31	---	---	---	26.5	24.5	25.5	27.0	25.5	26.0	---	---	---
YEAR	30.5	0.0	16.5									

PEE DEE RIVER BASIN

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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 km), 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) above mean sea level. Prior to July 26, 1967, nonrecording gage and crest-stage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--36 years, 3,233 ft³/s (91.56 m³/s), 15.74 in/yr (400 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 (4.877 m) in September 1928, from floodmark set by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,900 ft³/s (309 m³/s) March 28, gage height, 10.69 ft (3.258 m); minimum, 398 ft³/s (11.3 m³/s) July 29, gage height, 3.80 ft (1.158 m).

 DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	498	1320	2350	5610	4320	2290	8890	1480	8380	2020	416	935
2	510	1360	2350	5390	4080	2390	8480	1390	7810	1960	436	786
3	520	1390	2350	5250	3890	2490	8140	1320	7340	1850	449	666
4	532	1390	2340	5200	3690	2650	7840	1260	6880	1780	549	598
5	545	1370	2310	4960	3530	2850	7600	1200	6320	1730	765	577
6	555	1320	2280	4810	3370	3030	7310	1150	5640	1590	959	557
7	562	1250	2300	4760	3240	3510	6940	1090	5010	1340	1030	532
8	560	1170	2330	4620	3120	3870	6540	1020	4550	1080	1160	517
9	588	1080	2300	4480	3020	4320	6080	940	4100	859	1240	510
10	631	993	2320	4430	2900	4790	5580	869	3690	707	1190	502
11	684	912	2390	4370	2820	5060	5170	804	3350	627	1090	537
12	688	849	2580	4370	2750	5220	4840	752	3140	577	950	610
13	697	800	2810	4340	2670	5420	4530	714	2960	542	782	693
14	731	770	3010	4500	2600	5500	4300	681	2850	515	657	778
15	738	818	3350	4960	2510	5610	4020	651	2750	492	575	850
16	714	940	3930	5700	2430	5780	3810	624	2600	480	520	910
17	703	1110	4550	6430	2360	5900	3550	598	2650	483	492	969
18	694	1260	5250	6850	2300	6100	3310	577	2900	483	507	1040
19	681	1410	5930	6990	2230	6240	3080	557	3200	478	804	1110
20	690	1520	6450	6990	2160	6320	2880	567	3320	470	1010	1180
21	696	1620	6850	6940	2080	6240	2680	552	3230	463	1120	1280
22	702	1730	7110	6910	2040	6620	2540	542	2930	463	1140	1380
23	721	1870	7170	6790	2010	6760	2410	547	2540	445	1120	1450
24	759	2000	6990	6590	2050	7400	2330	651	2170	434	1100	1490
25	807	2090	6730	6370	2090	8230	2190	1030	1980	430	1110	1500
26	895	2170	6680	6100	2100	9250	2050	1610	1830	426	1120	1460
27	967	2270	6510	5810	2170	10300	1920	2950	1790	424	1140	1380
28	1050	2280	6370	5500	2240	10800	1810	5280	1830	410	1130	1290
29	1130	2320	6260	5170	---	10600	1680	7430	1910	402	1110	1220
30	1200	2330	6080	4840	---	9980	1590	8820	1980	416	1080	1150
31	1270	---	5840	4550	---	9440	---	8970	---	418	1030	---
TOTAL	22718	43712	136070	170580	76770	184960	134090	56626	111630	24794	27781	28457
MEAN	733	1457	4389	5503	2742	5966	4470	1827	3721	800	896	949
MAX	1270	2330	7170	6990	4320	10800	8890	8970	8380	2020	1240	1500
MIN	498	770	2280	4340	2010	2290	1590	542	1790	402	416	502
CFSM	.26	.52	1.57	1.97	.98	2.14	1.60	.66	1.33	.29	.32	.34
IN.	.30	.58	1.81	2.27	1.02	2.47	1.79	.76	1.49	.33	.37	.38
CAL YR 1976	TOTAL	925143	MEAN	2528	MAX	8000	MIN	416	CFSM	.91	IN	12.34
WTR YR 1977	TOTAL	1018188	MEAN	2790	MAX	10800	MIN	402	CFSM	1.00	IN	13.58

PEE DEE RIVER BASIN

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), revised.

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) above mean sea level.

REMARKS.--Records good, except period of no gage height record Nov. 21 to Feb. 7, which is poor.

AVERAGE DISCHARGE.--9 years, 111 ft³/s (3.14 m³/s), 15.70 in/yr (399 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,330 ft³/s (37.7 m³/s), Mar. 5, 1971, gage height, 8.09 ft (2.466 m); minimum daily, 6.7 ft³/s (0.19 m³/s) July 21, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft³/s (14.2 m³/s) and maximum.

No peaks above base.

Maximum discharge, 478 ft³/s (13.5 m³/s) Dec. 18, gage height, 6.57 ft (2.003 m).

Minimum daily, 9.3 ft³/s (0.26 m³/s) July 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	72	100	190	120	166	180	42	25	32	45	19
2	74	68	105	180	120	150	177	42	35	25	104	18
3	67	66	105	170	115	140	163	40	42	23	169	17
4	58	64	100	180	115	136	149	37	32	31	194	17
5	48	62	95	170	110	137	146	34	26	33	187	19
6	42	60	95	180	110	138	154	31	20	30	181	19
7	39	59	100	180	107	176	152	27	21	22	147	19
8	38	57	110	190	119	217	147	26	25	14	97	22
9	53	56	110	190	112	226	138	25	23	13	48	21
10	67	56	110	200	97	217	126	23	20	12	32	21
11	63	56	120	220	93	189	110	21	18	12	25	21
12	60	61	160	260	102	164	92	21	18	13	21	19
13	54	68	240	300	102	164	81	20	23	18	19	18
14	46	75	320	340	101	169	74	19	50	16	25	17
15	41	149	380	340	98	171	68	18	59	14	48	16
16	37	237	420	320	95	170	66	18	46	13	53	17
17	50	301	460	380	91	160	64	17	38	11	51	23
18	82	334	480	340	89	142	58	16	32	11	48	24
19	81	284	400	200	89	125	54	17	28	10	86	23
20	135	222	320	180	89	120	51	23	32	10	116	28
21	238	187	280	160	87	130	47	20	51	9.3	100	28
22	287	160	240	150	86	224	45	18	55	10	57	24
23	321	130	220	140	92	321	44	19	84	14	41	22
24	267	100	190	140	104	355	59	22	85	14	32	21
25	202	90	180	140	118	303	58	28	105	13	27	19
26	169	70	200	130	120	234	53	38	125	19	25	19
27	144	70	212	130	127	191	48	50	123	40	25	20
28	113	90	229	130	154	166	42	60	120	26	25	31
29	87	100	240	130	---	158	38	48	120	24	23	31
30	75	100	220	125	---	164	39	40	81	40	21	27
31	74	---	200	120	---	174	---	30	---	33	20	---
TOTAL	3200	3504	6740	6205	2962	5697	2723	890	1562	605.3	2092	640
MEAN	103	117	217	200	106	184	90.8	28.7	52.1	19.5	67.5	21.3
MAX	321	334	480	380	154	355	180	60	125	40	194	31
MIN	37	56	95	120	86	120	38	16	18	9.3	19	16
CFSM	1.07	1.22	2.26	2.08	1.10	1.92	.95	.30	.54	.20	.70	.22
IN.	1.24	1.36	2.61	2.40	1.15	2.21	1.06	.34	.61	.23	.81	.25

CAL YR 1976 TOTAL 43365.0 MEAN 118 MAX 480 MIN 16 CFSM 1.23 IN 16.80
WTR YR 1977 TOTAL 36820.3 MEAN 101 MAX 480 MIN 9.3 CFSM 1.05 IN 14.27

PEE DEE RIVER BASIN

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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 1976 TO SEPTEMBER 1977

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	ALKA- LINITY AS CAC03 (MG/L)	BICAR- BONATE (HC03) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	CARBON DIOXIDE (C02) (MG/L)	CAR- BONATE (C03) (MG/L)
OCT										
20...	0855	12.5	9.1	29	5.6	4	5	1.1	20	0
NOV										
09...	1000	6.5	11.1	27	6.3	5	6	1.0	4.8	0
DEC										
10...	1000	3.5	12.1	28	5.7	3	4	1.3	13	0
JAN										
17...	0945	.0	12.4	21	5.9	3	4	.6	8.1	0
FEB										
17...	1045	4.5	11.4	22	6.3	3	4	.7	3.2	0
MAR										
16...	1015	16.5	7.7	25	5.8	3	4	2.6	10	0
APR										
13...	1000	17.5	7.6	24	6.0	5	6	1.2	9.6	0
MAY										
11...	0945	15.0	8.7	24	6.3	1	1	1.1	.8	0
JUN										
14...	0810	21.0	6.3	32	5.5	8	10	1.2	51	0
JUL										
21...	0850	23.5	7.0	27	5.9	7	8	.8	16	0
AUG										
26...	0825	22.0	6.9	28	5.7	8	10	.9	32	0
SEP										
29...	0900	19.0	7.5	29	5.9	3	4	.8	8.1	0

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	IMME- DIATE COLT- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL.- MF (COL./ 100 ML)	FECAL STREP- TOCOC- KI AGAR (COL. PER 100 ML)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	HARD- NESS (CA+MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT										
20...	4.4	82930	8993	85690	.1	1	5	.5	.04	.02
NOV										
09...	3.2	450	227	166	.1	2	7	1.0	.13	.01
DEC										
10...	4.7	467	171	267	.1	2	6	.6	.01	.01
JAN										
17...	4.1	190	90	90	.1	0	4	.5	.03	.01
FEB										
17...	3.8	270	148	100	.0	0	3	.3	.08	.01
MAR										
16...	4.5	572	75	450	.0	5	9	.5	.00	.02
APR										
13...	4.3	258	95	233	.0	5	10	1.6	.09	.01
MAY										
11...	3.5	330	105	533	.0	4	5	.5	.35	.05
JUN										
14...	3.5	89300	83960	85200	.0	0	6	.7	.19	.06
JUL										
21...	3.6	386	166	320	.0	0	4	.5	.46	.02
AUG										
26...	4.2	470	167	104	.0	0	4	.4	.62	.01
SEP										
29...	3.9	1625	590	920	.0	1	4	.5	.20	.01

PEE DEE RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	DIS- SOLVED SOLIDS (REST- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SODIUM (NA) (MG/L)	SODIUM AD- SORP- TION RATIO	PERCENT SODIUM	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
OCT 20...	.8	39	22	10.1	.05	2.9	.6	52	9.5	.4
NOV 09...	.4	25	23	3.17	.03	3.6	.6	52	8.7	2.0
DEC 10...	.3	34	25	13.2	.05	4.0	.7	59	7.5	4.5
JAN 17...	.5	29	18	15.0	.04	2.3	.5	54	4.8	3.1
FEB 17...	.4	38	16	8.00	.05	2.7	.7	63	3.7	2.9
MAR 16...	.6	18	18	7.10	.02	2.9	.4	40	1.8	3.4
APR 13...	.6	18	19	3.30	.02	2.5	.4	34	3.6	2.7
MAY 11...	.5	35	16	1.80	.05	2.8	.6	53	6.2	1.3
JUN 14...	.9	40	26	7.02	.05	2.8	.5	46	7.5	4.3
JUL 21...	.5	29	22	.70	.04	3.2	.7	60	6.9	2.5
AUG 26...	.5	44	27	3.33	.06	3.5	.8	63	9.8	3.2
SEP 29...	.6	34	23	2.57	.05	3.5	.8	61	9.2	2.6

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT 20...	0855	96	2	.52	100
NOV 09...	1000	47	2	.25	100
DEC 10...	1000	144	3	1.2	100
JAN 17...	0945	192	3	1.6	100
FEB 17...	1045	78	4	.84	100
MAR 16...	1015	146	<1	--	100
APR 13...	1000	68	3	.55	100
MAY 11...	0945	19	4	.21	100
JUN 14...	0810	65	14	2.5	100
JUL 21...	0850	9.0	4	.10	100
AUG 26...	0825	28	4	.30	100
SEP 29...	0900	28	5	.38	100

PEE DEE RIVER BASIN

49

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	CYANIDE (CN) (MG/L)
NOV 09...	1000	0	0	1	10	0	.00
MAY 11...	0945	1	0	0	<10	0	.00

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
NOV 09...	580	4	30	.0	0	0	0	20
MAY 11...	1200	11	30	.0	0	0	0	10

DATE	TIME	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)
NOV 09...	1000	.00	.0	.0	6	.00	5.0	.00	5.9	.00	17	.00

DATE	TIME	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- EPOXIDE (UG/L)	HEPTA- EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)
NOV 09...	.2	.00	.00	.1	.00	.0	.00	.0	.00	.0	.00	.00	.00

DATE	TIME	TOTAL PARA- THION (UG/L)	TOTAL PCB (UG/L)	PCR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ETHION (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)
NOV 09...	.00	.0	1	.00	0	41	.00	.00	.00	.00	.00	.00	.00

DATE	TIME	DIS- SOLVED RA-226 (RADON METHOD) (PC/L)	DIS- SOLVED URANIUM (U) (UG/L)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENDEO GROSS ALPHA AS U-NAT. (UG/L)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS- PENDEO GROSS BETA AS SR90 /Y90 (PC/L)	DIS- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENDEO GROSS BETA AS CS-137 (PC/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
NOV 09...	1000	.03	<.01	.7	<.4	.7	<.5	.9	<.5	29	<1

PEE DEE RIVER BASIN

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 good, except those below 100 ft³/s (2.83 m³/s), which are fair, and period of no gage-height record Aug. 3 to Sept. 14, which is poor.

AVERAGE DISCHARGE.--19 years, 400 ft³/s (11.33 m³/s), 13.55 in/yr (344 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, 1,840 ft³/s (52.1 m³/s) Dec. 16, gage height, 4.46 ft (1.359 m); minimum daily 5.5 ft³/s (0.156 m³/s) July 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	205	400	777	457	457	700	127	127	189	145	90
2	23	187	421	708	435	516	650	116	221	136	301	70
3	23	174	420	688	420	480	600	102	318	107	552	65
4	24	163	421	737	412	465	550	91	457	88	700	65
5	26	149	400	720	398	498	500	77	450	70	800	70
6	27	136	380	710	385	534	460	66	373	52	850	95
7	27	128	435	750	366	660	440	58	270	36	850	95
8	50	119	442	770	353	800	400	50	177	27	800	90
9	74	113	435	770	346	893	380	42	116	21	700	75
10	79	110	442	810	340	820	360	35	79	17	550	60
11	79	110	457	860	327	740	320	31	53	15	450	45
12	87	111	613	1080	320	660	300	28	44	13	380	35
13	87	115	870	1320	314	1010	281	26	68	10	340	26
14	79	116	1330	1360	307	1540	256	24	217	9.5	300	21
15	73	175	1740	1390	301	1310	238	21	393	8.5	260	20
16	69	240	1850	1280	294	1010	225	19	318	8.0	240	21
17	93	264	1830	1100	288	820	208	18	194	8.0	200	23
18	113	306	1780	1030	275	670	181	17	124	7.5	180	24
19	108	407	1570	926	275	570	169	17	100	6.7	150	23
20	192	450	1290	740	270	525	150	25	85	6.1	140	22
21	317	472	1110	680	266	516	133	53	75	5.5	130	20
22	307	442	1010	624	261	860	121	60	75	6.4	130	20
23	299	400	902	588	266	1180	121	79	75	7.5	130	19
24	296	366	797	561	294	1300	212	86	77	6.7	120	20
25	266	318	717	570	353	1300	252	89	207	6.7	110	20
26	279	287	787	552	359	1250	203	118	301	8.5	100	20
27	279	293	820	534	372	1200	147	194	353	12	95	21
28	267	338	912	534	405	1150	116	154	346	11	100	25
29	257	407	944	516	---	950	102	140	333	14	110	24
30	242	407	912	507	---	900	124	143	270	20	110	24
31	225	---	850	480	---	800	---	133	---	52	100	---
TOTAL	4392	7508	27310	24672	9459	26384	8899	2239	6296	985.6	10123	1248
MEAN	142	250	881	796	338	851	297	72.2	210	31.8	327	41.6
MAX	317	472	1850	1390	457	1540	700	194	457	189	850	95
MIN	23	110	380	480	261	457	102	17	44	5.5	95	19
CFSM	.35	.62	2.20	1.99	.84	2.12	.74	.18	.52	.08	.82	.10
IN.	.41	.70	2.53	2.29	.88	2.45	.83	.21	.58	.09	.94	.12

CAL YR 1976 TOTAL 157197.0 MEAN 430 MAX 2810 MIN 22 CFSM 1.07 IN 14.58
WTR YR 1977 TOTAL 129515.6 MEAN 355 MAX 1850 MIN 5.5 CFSM .89 IN 12.01

PEE DEE RIVER BASIN

51

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

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

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

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) above mean sea level. Prior to Nov. 7, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--48 years, 935 ft³/s (26.48 m³/s), 10.14 in/yr (258 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, 4,260 ft³/s (121 m³/s) March 18, gage height, 11.43 ft (3.484 m); minimum, 19 ft³/s (0.54 m³/s) July 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	294	619	849	2270	1480	924	2320	300	296	273	224	293
2	293	632	866	2180	1440	948	2080	300	284	287	237	239
3	264	638	891	2130	1390	976	1880	293	313	330	308	198
4	244	631	916	2200	1360	1050	1690	273	335	370	560	189
5	232	607	928	2220	1310	1250	1520	245	324	342	1270	297
6	216	568	923	2230	1270	1490	1410	217	329	260	2950	335
7	198	520	942	2260	1230	1910	1320	192	361	191	3670	321
8	185	470	1000	2340	1190	2360	1220	168	406	143	3040	301
9	231	423	1100	2430	1160	2720	1130	149	434	116	2370	285
10	218	382	1220	2480	1120	3040	1040	135	427	95	1890	276
11	227	350	1310	2490	1080	3210	960	124	371	76	1530	253
12	233	325	1470	2480	1020	3130	897	110	289	61	1300	220
13	218	306	1640	2420	976	3030	849	98	215	52	1150	183
14	204	292	1740	2360	932	2910	789	90	192	46	988	149
15	193	289	1950	2340	888	2880	738	83	187	40	861	127
16	183	292	2320	2330	855	3360	720	76	240	36	765	113
17	181	309	2800	2400	819	3960	639	71	300	33	645	122
18	182	349	3150	2520	789	4220	582	66	329	31	546	139
19	198	400	3560	2550	762	3960	522	62	347	29	488	128
20	230	453	3990	2470	741	3520	460	57	373	27	452	118
21	272	494	3960	2420	720	3040	404	76	403	25	448	113
22	338	526	3810	2280	693	3010	358	65	427	25	452	104
23	421	563	3520	2090	669	3100	326	68	418	26	434	93
24	475	611	3130	1960	699	3450	314	71	356	23	404	83
25	513	660	2750	1880	771	3990	319	111	305	21	362	75
26	559	703	2640	1780	822	4120	317	174	295	20	329	69
27	569	746	2520	1710	867	3900	311	237	312	30	331	66
28	574	778	2440	1660	900	3610	311	270	313	38	362	71
29	582	815	2360	1620	---	3270	303	285	297	39	365	64
30	591	834	2330	1570	---	2860	305	312	279	55	355	64
31	603	---	2330	1530	---	2580	---	320	---	114	336	---
TOTAL	9921	15585	6535	67600	27953	87778	26034	5098	9757	3254	29422	5088
MEAN	320	520	2100	2181	998	2832	868	164	325	105	949	170
MAX	603	834	3990	2550	1480	4220	2320	320	434	370	3670	335
MIN	181	289	849	1530	669	924	303	57	187	20	224	64
CFSM	.26	.42	1.68	1.74	.80	2.26	.69	.13	.26	.08	.76	.14
IN.	.29	.46	1.94	2.01	.83	2.61	.77	.15	.29	.10	.87	.15
CAL YR 1976	TOTAL	409974	MEAN	1120	MAX	6260	MIN	105	CFSM	.90	IN	12.18
WTR YR 1977	TOTAL	352845	MEAN	967	MAX	4220	MIN	20	CFSM	.77	IN	10.48

PEE DEE RIVER BASIN

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1975 to current year.

WATER TEMPERATURE: April 1975 to current year.

INSTRUMENTATION.--Servo Programmer since April 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 157 micromhos Oct. 9, 1976; minimum, 46 micromhos July 4, 1977.

WATER TEMPERATURE: Maximum, 31.0°C July 9, 10, 12, 14, 1977; minimum, 0.5°C Jan. 19-24, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 157 micromhos Oct. 9; minimum, 46 micromhos July 4.

WATER TEMPERATURE: Maximum, 31.0°C July 9, 10, 12, 14; minimum 0.5°C Jan. 19-24.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	ALKA- LINITY AS CACO3 (MG/L)	BICAR- BONATE (HCO3) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	CARRON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)
OCT												
05...	1025	19.7	8.0	98	6.8	21	25	4.4	0	13	6.3	87
NOV												
03...	1145	10.0	10.0	85	6.2	13	16	3.0	0	11	16	78
DEC												
01...	1130	8.0	9.3	77	6.2	8	10	3.3	0	10	10	113
JAN												
11...	1130	4.0	11.5	64	6.4	8	10	3.6	0	9.7	6.4	101
FEB												
09...	1120	2.0	13.3	66	6.5	7	9	3.3	0	9.9	4.6	48
MAR												
08...	1130	10.5	9.1	56	6.2	10	12	5.5	0	9.2	12	590
APR												
06...	1110	16.7	6.3	60	6.3	16	19	4.7	0	8.8	15	85
MAY												
04...	1055	20.3	8.3	70	6.9	13	16	3.6	0	9.2	3.2	90
JUN												
01...	1045	24.0	6.7	80	6.7	8	10	4.2	0	8.4	3.2	166
JUL												
12...	1055	30.0	5.9	92	6.6	25	30	4.6	0	9.8	12	50
AUG												
09...	1045	26.0	4.5	94	5.5	5	6	7.0	0	6.9	30	530
SEP												
13...	1020	23.5	6.5	95	6.6	18	22	4.4	0	11	8.8	77

DATE	FFCAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	HARD- NESS (CA+MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)
OCT											
05...	150	.2	0	17	1.4	.51	.43	.08	2.3	.17	210
NOV											
03...	153	.3	0	12	1.1	.49	.49	.00	2.2	.06	32
DEC											
01...	360	.2	5	14	1.3	.59	.57	.02	2.6	.06	26
JAN											
11...	98	.1	6	14	1.2	.36	.26	.10	1.6	.01	1600
FEB											
09...	825	.1	6	13	1.2	.36	.32	.04	1.6	.01	--
MAR											
08...	11150	.1	13	23	2.2	.71	.64	.07	3.1	.06	240
APR											
06...	307	.1	2	18	1.4	.86	.80	.06	3.8	.09	0
MAY											
04...	427	.0	2	15	1.5	.72	.53	.19	3.2	.13	55
JUN											
01...	590	.1	8	17	1.5	.29	.19	.10	1.3	.11	260
JUL											
12...	320	.1	0	18	1.5	.94	.70	.24	4.2	.31	--
AUG											
09...	860	.0	21	26	2.0	.87	.86	.01	3.9	.04	--
SEP											
13...	343	.1	0	17	1.4	.84	.73	.11	3.7	.19	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

	DATE	DIS-SOLVED PO-TAS- SIUM (K) (MG/L)	DIS-SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	SODIUM AD- SORP- TION RATIO	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	DIS-SOLVED SULFATE (S04) (MG/L)	TUR- BID- ITY (JTU)	
	OCT 05...	2.7	100	62	62.4	.14	1.3	9.4	12	56	7.3	3	
	NOV 03...	2.1	97	56	164	.13	1.4	10	11	62	10	3	
	DEC 01...	2.1	64	47	144	.09	.9	9.0	7.5	50	8.6	2	
	JAN 11...	1.0	62	40	412	.08	.8	4.8	6.8	49	7.8	3	
	FEB 09...	1.3	40	35	133	.05	.8	1.5	6.9	50	6.1	4	
	MAR 08...	1.6	59	44	371	.08	.6	3.8	6.9	38	8.0	5	
	APR 06...	1.4	70	30	280	.10	.7	2.4	6.4	42	4.8	4	
	MAY 04...	1.4	66	45	58.8	.09	1.1	6.2	9.4	55	5.7	4	
	JUN 01...	1.4	67	40	65.1	.09	.9	7.0	8.5	50	13	5	
	JUL 12...	1.7	91	62	24.8	.12	1.2	9.6	12	57	7.9	2	
	AUG 09...	2.0	91	62	590	.12	.6	8.8	7.4	36	25	2	
	SEP 13...	1.9	98	65	135	.13	1.5	12	14	61	9.1	3	
	DATE	TIME	DIS-SOLVED ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED CAD- MIUM (CD) (UG/L)	SUS-PENDED CAD- MIUM (CD) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED CHRO- MIUM (CR) (UG/L)	SUS-PENDED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
	DEC 01...	1130	0	1	1	0	0	0	6.2	13	7	20	0
	MAR 08...	1130	0	--	--	1	--	--	11	6	--	--	0
	JUN 01...	1045	2	0	2	0	0	0	5.0	6	<4	<10	0
	SEP 13...	1020	0	1	1	0	0	0	12	3	<7	<10	0
	DATE	SUS-PENDED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED MAN- GANESE (MN) (UG/L)	
	DEC 01...	0	0	2	0	2	420	290	10	0	10	0	
	MAR 08...	--	--	3	--	--	--	260	20	--	--	--	
	JUN 01...	0	0	0	0	0	580	250	14	0	13	10	
	SEP 13...	0	0	0	0	0	1300	660	10	0	10	20	
	DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS-SOLVED MAN- GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED SELF- NIUM (SE) (UG/L)	SUS-PENDED SELF- NIUM (SE) (UG/L)	TOTAL SELF- NIUM (SE) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)	
	DEC 01...	10	10	.0	.1	.1	0	0	0	10	0	10	
	MAR 08...	--	10	.1	--	--	0	--	--	30	--	--	
	JUN 01...	40	30	.0	.0	.0	0	0	0	30	0	10	
	SEP 13...	50	30	<.5	.0	<.5	0	0	0	10	0	10	

PEE DEE RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL ALDRIN IN BOTTOM MATERIAL (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ATRA-ZINE (UG/L)	ATRA-ZINE IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	P,P' DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)
NOV 03...	1145	ND	ND	ND	ND	ND	ND	ND	.5	ND
FEB 09...	1120	ND	--	ND	--	ND	--	ND	--	ND
MAY 04...	1055	ND	ND	--	ND	ND	12	ND	66	ND
AUG 09...	1045	ND	--	ND	--	ND	--	ND	--	ND

DATE	P,P' DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	P,P' DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)
NOV 03...	.3	ND	ND	--	ND	ND	ND	ND	ND	ND
FEB 09...	--	ND	--	--	ND	--	ND	--	ND	--
MAY 04...	23	ND	--	111	ND	ND	ND	11	ND	1.7
AUG 09...	--	ND	--	--	ND	--	ND	--	ND	--

DATE	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MATERIAL (UG/KG)
NOV 03...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 09...	ND	--	ND	--	ND	--	ND	--	ND	--
MAY 04...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AUG 09...	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	TOTAL METHOXY-CHLOR (UG/L)	METHOXY-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL-TRI-THION (UG/L)	METHYL-TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	SIMA-ZINE TOTAL (UG/L)	SIMA-ZINE IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
NOV 03...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 09...	ND	--	ND	--	ND	--	ND	--	ND	--
MAY 04...	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
AUG 09...	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MATERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MATERIAL (UG/KG)
NOV 03...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 09...	ND	--	ND	--	ND	--	ND	--	ND	--
MAY 04...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AUG 09...	ND	--	ND	--	ND	--	ND	--	ND	--

PEE DEE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT					
05...	1025	231	3	1.9	100
NOV					
03...	1145	628	2	3.4	100
DEC					
01...	1130	836	3	6.8	100
JAN					
11...	1130	2460	4	27	100
FEB					
09...	1120	1230	1	3.3	100
MAR					
08...	1130	2330	3	19	100
APR					
06...	1110	1480	5	20	100
MAY					
04...	1055	330	5	4.5	100
JUN					
01...	1045	360	5	4.9	100
JUL					
12...	1055	101	2	.55	100
AUG					
09...	1045	2400	2	13	100
SEP					
13...	1020	509	5	6.9	100

PEE DEE RIVER BASIN

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	134	110	118	83	76	80	---	---	---	79	68	73
2	123	111	114	86	81	83	---	---	---	76	67	72
3	129	113	123	83	80	81	---	---	---	80	71	75
4	139	121	128	82	78	80	---	---	---	75	66	70
5	140	122	133	83	80	82	---	---	---	80	65	71
6	139	106	118	84	81	82	---	---	---	80	72	76
7	107	101	104	85	79	81	---	---	---	80	67	73
8	111	106	108	87	85	86	---	---	---	81	69	76
9	157	105	130	88	86	87	---	---	---	86	73	81
10	124	111	117	88	86	87	---	---	---	75	67	70
11	110	101	106	87	85	86	---	---	---	83	69	76
12	102	99	101	86	84	85	---	---	---	80	69	74
13	101	99	100	90	85	87	---	---	---	83	73	78
14	103	99	101	86	83	85	---	---	---	82	68	73
15	103	99	102	84	83	84	100	83	92	76	68	72
16	104	100	102	87	82	84	95	76	85	81	67	72
17	112	97	103	82	76	79	97	76	86	83	66	76
18	114	104	111	82	76	79	97	85	92	78	67	71
19	105	100	102	77	71	74	92	78	86	81	66	71
20	106	93	99	78	71	74	83	72	76	72	64	67
21	105	85	93	75	72	73	85	72	80	71	65	68
22	84	73	79	76	74	75	82	71	77	72	63	67
23	75	70	72	75	71	73	78	67	72	72	64	67
24	71	66	68	73	71	72	78	70	74	70	63	66
25	67	65	66	---	---	---	78	67	73	65	63	64
26	85	66	77	---	---	---	78	67	73	66	64	65
27	81	77	79	---	---	---	77	66	69	68	65	66
28	81	78	80	---	---	---	79	65	70	69	64	66
29	82	79	80	---	---	---	75	66	69	74	67	69
30	80	71	76	---	---	---	80	68	72	69	67	68
31	79	70	72	---	---	---	75	66	70	69	67	68
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	70	68	69	75	74	74	68	59	63	72	69	70
2	73	68	70	74	73	74	62	58	60	71	69	70
3	70	68	69	75	73	74	64	59	60	70	69	69
4	70	68	69	74	71	73	65	60	62	72	69	71
5	74	68	70	74	69	72	62	61	61	74	71	72
6	75	69	72	74	70	71	62	61	61	77	73	75
7	74	71	72	74	66	69	62	60	61	78	75	76
8	73	71	72	74	66	68	64	61	61	81	76	79
9	72	71	71	82	65	72	64	61	63	83	79	82
10	72	71	72	80	74	76	62	61	62	88	83	85
11	73	72	72	76	67	72	62	61	61	91	85	88
12	74	72	73	72	68	70	61	61	61	95	87	91
13	73	72	72	69	65	66	62	61	61	99	92	95
14	74	73	73	74	65	70	62	61	62	104	95	100
15	74	73	73	76	65	70	64	62	63	102	95	99
16	75	74	74	74	65	68	65	63	64	105	93	100
17	75	73	74	71	63	67	65	63	64	112	99	106
18	74	73	74	64	57	59	66	64	66	119	108	115
19	74	73	74	64	61	63	69	66	67	125	114	121
20	73	73	73	65	57	63	71	68	70	127	118	123
21	73	73	73	66	60	64	73	71	72	---	---	---
22	74	73	73	66	57	61	74	72	73	105	98	101
23	74	73	73	63	57	59	75	71	72	105	97	100
24	77	73	75	67	56	62	78	72	75	---	---	---
25	76	75	76	66	62	65	76	73	73	---	---	---
26	75	74	74	63	59	61	73	70	71	124	99	111
27	78	75	77	62	58	60	70	68	69	97	93	95
28	77	74	75	61	53	57	68	65	66	97	93	95
29	---	---	---	59	54	57	68	65	67	98	86	92
30	---	---	---	60	55	58	76	67	73	85	82	84
31	---	---	---	66	57	60	---	---	---	85	82	84

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	85	83	84	62	60	61	126	79	105	77	69	73
2	94	83	89	70	57	62	116	98	109	83	76	79
3	88	73	79	58	48	53	97	74	84	89	81	84
4	75	72	73	53	46	50	77	65	73	115	67	94
5	73	71	72	57	52	54	64	61	62	93	82	86
6	74	70	72	66	55	61	70	60	65	83	81	82
7	83	72	77	71	65	68	75	69	72	84	80	81
8	80	75	78	73	67	70	81	75	78	82	77	79
9	80	76	78	79	74	77	85	80	82	78	76	76
10	76	71	74	85	76	81	84	81	82	79	76	77
11	71	70	71	86	83	84	84	73	78	84	78	81
12	74	70	72	95	82	87	75	71	73	89	82	86
13	96	73	82	102	95	98	72	69	70	92	87	89
14	86	76	79	102	94	98	69	67	68	97	90	94
15	83	77	80	111	94	103	67	64	66	105	95	101
16	80	68	74	112	101	105	67	64	66	109	100	104
17	68	66	67	111	101	105	70	67	69	126	91	110
18	70	67	69	117	103	110	72	70	71	96	89	93
19	70	68	69	125	108	116	71	68	69	109	94	100
20	67	66	67	130	121	124	70	67	69	108	90	98
21	65	63	64	---	---	---	69	65	67	92	89	90
22	62	60	61	---	---	---	66	63	65	92	88	90
23	61	59	60	---	---	---	64	61	63	95	90	93
24	61	59	60	---	---	---	65	63	64	101	92	96
25	79	59	68	---	---	---	75	66	70	105	98	101
26	71	61	66	---	---	---	77	72	75	108	99	105
27	67	64	66	---	---	---	76	65	70	112	104	108
28	65	62	63	---	---	---	72	66	69	134	108	120
29	64	61	62	128	109	119	71	66	68	118	109	114
30	63	62	63	---	---	---	72	65	69	117	108	112
31	---	---	---	87	60	71	69	65	67	---	---	---
YEAR	157	46	79									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	22.5	20.5	21.5	14.5	11.5	13.0	---	---	---	7.5	5.5	6.5
2	20.5	19.5	20.0	14.0	12.0	13.5	---	---	---	5.5	4.5	4.5
3	21.0	18.5	19.5	13.5	11.5	12.5	---	---	---	4.5	3.5	4.0
4	22.0	19.5	20.5	13.0	11.0	12.0	---	---	---	4.0	3.0	3.5
5	21.5	19.0	20.0	13.0	9.5	11.0	---	---	---	5.5	4.0	4.5
6	20.5	19.0	20.0	9.5	8.0	9.0	---	---	---	6.0	5.5	6.0
7	20.5	18.5	19.5	9.0	7.0	8.0	---	---	---	7.0	6.0	6.5
8	21.0	19.5	20.5	9.5	8.0	8.5	---	---	---	7.0	6.0	6.5
9	21.5	20.0	21.0	9.0	7.0	8.0	---	---	---	6.5	6.0	6.0
10	20.5	18.5	19.5	9.5	7.5	8.5	---	---	---	7.0	6.0	6.5
11	18.5	16.5	17.5	10.0	8.0	9.0	---	---	---	6.0	4.0	5.0
12	17.0	15.0	16.0	10.0	9.5	9.5	---	---	---	4.0	3.0	3.5
13	16.0	14.0	15.0	10.0	8.0	9.5	---	---	---	3.0	2.5	3.0
14	17.0	13.5	15.0	8.5	7.5	7.5	---	---	---	3.5	3.0	3.0
15	17.0	14.5	16.0	7.0	6.0	6.5	10.0	10.0	10.0	4.5	3.5	4.0
16	17.5	15.0	16.5	6.0	5.5	6.0	10.5	9.5	10.0	5.0	4.0	4.5
17	17.0	15.5	16.0	6.0	5.5	6.0	10.0	9.0	9.5	4.5	2.0	3.0
18	16.0	14.0	15.0	8.0	6.0	7.0	10.0	9.0	9.5	2.0	1.0	1.5
19	14.0	13.5	14.0	8.0	6.5	7.5	10.0	9.0	9.5	1.0	0.5	0.5
20	16.5	12.5	13.5	10.0	8.0	9.0	10.0	9.5	10.0	1.0	0.5	0.5
21	13.5	11.0	12.0	9.5	8.5	9.0	10.0	7.0	8.5	1.5	0.5	1.0
22	13.0	11.0	12.0	9.5	8.5	9.0	7.0	6.0	6.0	1.0	0.5	1.0
23	13.0	10.5	11.5	8.5	6.0	6.5	6.0	5.0	5.5	1.0	0.5	1.0
24	11.5	10.5	11.0	6.5	4.0	5.0	5.5	4.5	5.0	1.0	0.5	1.0
25	14.5	11.0	12.0	---	---	---	5.5	4.0	4.5	2.0	1.0	1.5
26	14.0	11.5	13.0	---	---	---	6.5	5.5	6.0	3.0	1.5	2.0
27	15.0	14.0	14.5	---	---	---	6.5	5.5	6.0	3.5	2.5	3.0
28	13.5	11.5	13.0	---	---	---	7.5	6.0	6.5	4.5	3.5	4.0
29	11.5	9.5	10.5	---	---	---	7.5	7.0	7.0	5.0	4.0	4.5
30	9.5	7.5	8.0	---	---	---	7.0	6.0	6.5	4.0	3.0	3.5
31	13.0	8.0	10.0	---	---	---	8.0	6.5	7.5	4.0	3.0	3.5

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.5	23.0	24.0	29.0	27.0	28.0	28.5	26.5	27.5	26.5	25.0	25.5
2	26.0	23.5	24.5	28.0	26.5	27.0	26.5	25.5	26.0	26.5	25.0	25.5
3	25.5	23.5	24.5	27.5	26.0	26.5	25.5	24.5	25.0	25.5	24.5	25.5
4	25.0	23.0	24.0	27.0	25.0	26.0	25.0	24.0	24.5	25.5	24.5	25.0
5	25.0	23.0	24.0	27.5	25.5	26.5	25.0	23.5	24.5	24.5	23.5	24.0
6	25.5	23.5	24.5	29.0	26.0	27.5	25.5	24.0	24.5	25.5	23.5	24.5
7	25.0	23.5	24.0	30.0	27.5	28.5	26.0	24.5	25.0	26.5	24.5	25.5
8	23.0	22.0	22.5	30.5	28.0	29.5	26.5	25.0	25.5	27.0	25.0	26.0
9	22.5	21.0	21.5	31.0	28.5	30.0	26.5	25.5	26.0	26.0	25.5	26.0
10	22.0	20.5	21.5	31.0	28.5	29.5	27.0	26.0	26.5	26.0	24.5	25.5
11	22.5	20.5	21.5	30.0	28.0	29.0	27.0	26.0	26.5	25.5	24.5	25.0
12	24.0	21.0	22.5	31.0	28.0	29.0	27.0	26.0	26.5	25.0	23.5	24.0
13	25.0	22.5	24.0	30.5	28.0	29.5	26.5	25.5	26.0	24.5	22.5	23.5
14	25.0	23.5	24.5	31.0	28.5	29.5	26.0	25.5	25.5	25.5	23.0	24.0
15	25.0	24.0	24.5	30.5	28.5	29.0	25.5	25.0	25.0	26.0	24.0	25.0
16	25.0	23.5	24.5	30.0	28.5	29.0	26.0	25.0	25.5	26.0	24.5	25.0
17	25.0	23.5	24.5	29.0	27.5	28.0	27.0	25.5	26.0	26.5	24.0	25.0
18	25.0	24.0	24.5	28.5	26.5	27.5	26.5	25.5	26.0	26.5	24.5	25.5
19	26.0	24.0	25.0	28.5	27.0	27.5	25.5	24.0	24.5	27.0	23.0	25.0
20	26.5	24.5	25.5	29.0	27.5	28.0	24.0	23.0	23.5	27.0	23.0	25.5
21	26.5	25.0	25.5	28.5	27.5	28.0	24.0	22.5	23.0	27.5	25.0	26.5
22	26.5	25.0	26.0	29.0	28.0	28.5	24.5	22.5	23.5	26.5	25.0	25.5
23	27.0	25.5	26.0	28.0	27.0	27.5	25.0	23.5	24.0	25.5	23.5	24.5
24	26.5	25.5	26.0	27.5	26.0	26.5	25.0	24.0	24.5	24.5	22.5	25.0
25	27.5	25.0	26.0	27.5	26.0	27.0	25.0	24.5	24.5	24.5	22.5	23.5
26	26.0	25.0	25.5	27.5	27.0	27.0	25.0	24.0	24.5	25.5	23.0	24.0
27	27.0	24.5	26.0	27.5	26.0	27.0	25.5	24.0	25.0	26.0	23.0	24.5
28	28.0	25.5	26.5	27.0	25.0	26.0	26.0	24.5	25.0	25.5	23.5	24.5
29	28.5	26.0	27.5	27.0	25.5	26.0	25.5	24.5	25.0	24.0	22.0	23.0
30	29.0	26.5	27.5	28.0	25.5	26.5	26.0	24.5	25.5	23.0	22.0	22.5
31	---	---	---	28.5	26.0	27.0	26.5	25.0	25.5	---	---	---
YEAR	31.0	0.5	17.5									

SANTÉE RIVER BASIN

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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.

WATER-DISCHARGE RECORDS

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, except period of no gage-height record Apr. 1 to May 10, which is poor. Flow regulated by Lake Wylie, usable capacity, 6,542,000,000 ft³ (185,300,000 m³) and by other powerplants above station.

AVERAGE DISCHARGE.--43 years, 4,547 ft³/s (128.8 m³/s), 20.24 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, 490 ft³/s (13.9 m³/s) Oct. 21, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 55,400 ft³/s (1,570 m³/s) Oct. 9, gage height, 16.57 ft (5.051 m); minimum daily, 607 ft³/s (17.2 m³/s) June 24.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2180	6030	10600	2080	3250	2080	8000	1300	3580	2000	3390	3110
2	967	9830	10800	5230	2510	2720	3400	2800	4790	618	904	3800
3	839	7960	10200	6070	849	1690	6500	3200	5200	667	1290	1010
4	812	9220	7420	8920	962	4940	7500	2400	4790	654	3020	863
5	789	8950	5500	6370	795	965	10000	2800	890	2980	1510	704
6	1980	4320	7920	6610	808	1280	9500	4000	5440	2640	1200	3780
7	6690	2710	6680	9140	1960	3790	6500	2400	4520	1650	1200	1440
8	9110	8060	6370	7060	1290	4360	11000	900	3110	3280	3390	3250
9	36800	10900	7810	6610	717	3860	9500	2600	4230	3160	3580	5880
10	31400	7520	9940	2490	717	5260	6500	2800	890	1290	4000	768
11	20400	7130	9410	1610	1090	3170	3800	5630	890	2960	4570	1230
12	4220	6030	5810	9890	742	5550	7000	4520	692	3540	5540	3320
13	5620	3900	3000	12000	742	1280	10000	1090	4870	5350	835	755
14	10700	3040	10600	9670	1830	855	13000	1540	1490	3820	704	3140
15	10900	5590	6000	5790	1410	3800	10000	876	3820	6650	2260	1110
16	8920	3210	4560	9560	1790	7410	8000	1850	4100	3920	3680	904
17	10600	6030	6370	11800	2370	5710	3600	1960	3000	2220	3950	782
18	11900	2400	9220	9600	3540	4160	5000	5660	4310	7310	689	5350
19	11100	4840	8760	10400	782	844	5000	4680	1830	4550	1170	5510
20	4750	2890	10300	10200	742	2740	5800	947	5480	4630	2040	4710
21	7670	690	11300	10500	782	5850	4800	1630	4990	6680	863	3900
22	7880	2730	11000	5350	876	1230	4400	717	2290	5020	1340	1630
23	9370	3160	9330	1700	755	955	3600	3160	2910	835	1980	1180
24	7240	2970	6340	6610	1830	7540	4400	1770	607	679	1120	3750
25	9140	1100	3950	6610	904	8130	6000	4930	5230	3820	768	947
26	7960	1630	742	6240	734	4910	2600	3050	822	4680	835	1790
27	9680	1200	5840	6370	829	3570	3800	4250	3970	717	2750	3750
28	10000	794	7810	5880	2770	4880	4000	822	4310	1140	755	2620
29	5020	4050	6140	4790	---	5960	4600	768	3320	947	4050	1360
30	5840	5940	8950	2160	---	16400	1800	1310	4230	1720	4960	1280
31	4270	---	4560	1680	---	19100	---	2660	---	1460	1920	---
TOTAL	274747	144824	233232	208990	38376	144989	189600	79020	100601	91587	70263	73623
MEAN	8863	4827	7524	6742	1371	4677	6320	2549	3353	2954	2267	2454
MAX	36800	10900	11300	12000	3540	19100	13000	5660	5480	7310	5540	5880
MIN	789	690	742	1610	717	844	1800	717	607	618	689	704
CAL YR 1976	TOTAL	1669257	MEAN	4561	MAX	36800	MIN	582				
WTR YR 1977	TOTAL	1649252	MEAN	4520	MAX	36800	MIN	607				

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.--Continued

WATER-QUALITY RECORDS

PERIODS OF RECORD.--October 1957 to September 1962, October 1970 to June 1973, February 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	
OCT										
14...	1000	12100	19.0	7.0	69	6.4	6.6	--	--	
28...	1000	13500	14.5	8.6	74	6.9	1.8	.000	.000	
NOV										
10...	1050	12000	13.0	9.4	73	6.5	1.8	.000	.000	
23...	1050	9400	9.5	10.8	75	6.8	2.2	3.07	2.68	
DEC										
08...	1045	9160	9.0	9.8	92	6.8	5.0	.000	.000	
20...	1245	12400	8.5	10.4	75	6.6	3.8	.000	.000	
JAN										
05...	1105	9290	6.0	11.1	71	6.9	.6	4.41	.000	
18...	1100	12200	4.0	10.4	74	7.0	3.2	.000	.000	
FEB										
02...	0955	12500	2.5	13.8	68	6.8	2.2	.000	.000	
15...	1030	3970	5.5	12.6	70	6.6	5.7	--	--	
MAR										
02...	1100	8990	7.5	13.0	72	6.9	1.6	13.8	4.28	
15...	1115	1080	12.0	10.2	95	6.6	5.9	2.65	.000	
29...	1135	9030	14.0	8.8	103	6.6	--	--	--	
APR										
14...	1115	--	17.0	7.6	76	6.7	3.8	2.83	2.10	
27...	1010	6770	19.0	8.0	79	6.7	5.0	.000	.000	
MAY										
10...	1000	9210	20.5	7.8	84	6.7	6.0	4.95	2.20	
24...	1000	642	21.0	7.0	86	6.8	6.9	.776	.000	
JUN										
07...	0955	835	22.0	6.4	99	6.6	4.2	--	--	
21...	1000	7540	26.0	5.7	100	6.7	4.1	--	--	
JUL										
06...	1015	642	26.5	4.7	100	6.1	--	2.69	2.41	
19...	1015	1670	2.8	4.0	110	6.7	5.3	2.44	1.39	
AUG										
02...	1010	890	27.5	5.3	95	6.5	3.2	1.12	.062	
24...	0930	849	28.0	5.3	90	6.8	8.1	.388	.000	
SEP										
08...	0955	1020	26.5	5.9	95	6.6	6.4	1.48	.052	
20...	0855	654	25.0	5.2	108	6.7	8.5	--	--	
DATE		CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	TOTAL IRON (FE) (UG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)
OCT										
14...	13	8380	4500	.73	.36	.18	.54	.19	3.2	
28...	2	240	800	.37	.17	.07	.24	.13	1.6	
NOV										
10...	3	813	310	.32	.15	.04	.19	.13	1.4	
23...	3	68	260	.29	.09	.05	.14	.15	1.3	
DEC										
08...	5	61	690	.57	.30	.06	.36	.21	2.5	
20...	8	60	2400	.53	.16	.09	.25	.28	2.3	
JAN										
05...	13	65	--	.56	.23	.08	.31	.25	2.5	
18...	6	55	610	.53	.17	.08	.25	.28	2.3	
FEB										
02...	6	0	560	.55	.23	.06	.29	.26	2.4	
15...	5	815	280	2.2	1.5	.33	1.8	.41	9.8	
MAR										
02...	13	810	300	.46	.34	.02	.36	.10	2.0	
15...	8	97	390	.51	.25	.06	.31	.20	2.3	
29...	12	52	810	.73	.33	.11	.44	.29	3.2	
APR										
14...	12	--	3900	.73	.27	.13	.40	.33	3.2	
27...	17	67	340	.51	.21	.10	.31	.20	2.3	
MAY										
10...	20	83	570	.65	.39	.07	.46	.19	2.9	
24...	16	815	410	.39	.04	.07	.11	.28	1.7	
JUN										
07...	7	88	470	.48	.10	.12	.22	.26	2.1	
21...	4	818	80	.49	.27	.10	.37	.12	2.2	
JUL										
06...	7	812	210	.59	.30	.14	.44	.15	2.6	
19...	10	820	0	.60	.38	.15	.53	.07	2.7	
AUG										
02...	5	110	300	.46	.20	.12	.32	.14	2.0	
24...	10	832	220	.37	.22	.08	.30	.07	1.6	
SEP										
08...	15	81460	1700	.47	.24	.10	.34	.13	2.1	
20...	10	125	270	.52	.22	.11	.33	.19	2.3	

SANTEE RIVER BASIN

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02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	OIL AND GREASE (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SILICA (SI02) (MG/L)	TUR- BID- ITY (MG/L)	TUR- BID- ITY (NTU)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
OCT									
14...	0	.10	38	1240	.05	6.6	108	80	40
28...	2	.06	65	2370	.09	8.1	13	15	8
NOV									
10...	0	.03	44	1430	.06	8.5	6	6.0	2
23...	0	.03	49	1240	.07	9.3	8	5.0	0
DEC									
08...	0	.07	54	1340	.07	9.5	11	10	2
20...	0	.08	57	1910	.08	8.7	16	45	6
JAN									
05...	0	.05	55	1380	.07	8.8	18	20	4
18...	2	.06	55	1810	.07	9.1	14	12	11
FEB									
02...	1	.04	54	1820	.07	8.6	16	10	6
15...	3	.06	48	502	.07	8.8	12	6.0	7
MAR									
02...	0	.06	55	1340	.07	8.5	8	6.0	11
15...	1	.06	58	169	.08	10	12	10	11
29...	0	.07	82	2000	.11	11	15	15	6
APR									
14...	1	.10	58	--	.08	8.7	56	75	20
27...	0	.05	53	969	.07	8.4	13	25	6
MAY									
10...	1	.04	55	1370	.07	8.3	16	10	7
24...	4	.03	40	69.3	.05	8.2	9	9.0	4
JUN									
07...	3	.05	51	115	.07	8.3	8	9.0	2
21...	0	.02	67	1360	.09	8.0	8	7.0	2
JUL									
06...	0	.02	84	146	.11	8.2	4	2.0	4
19...	4	.03	48	216	.07	8.4	2	2.0	4
AUG									
02...	0	.01	63	151	.09	7.8	6	2.0	6
24...	0	.01	63	144	.09	7.5	5	2.0	6
SEP									
08...	2	.05	55	151	.07	7.3	24	25	29
20...	0	.03	62	109	.08	7.5	11	9.0	31

DATE	TIME	ALKA- LITY AS CAC03 (MG/L)	TOTAL ARSENIC (AS) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CAL- CIUM (CA) (MG/L)	CARRON DIOXIDE (CO2) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
NOV									
10...	1050	16	1	20	0	5.7	10	0	5.5
FEB									
15...	1030	15	1	18	1	2.3	7.2	0	5.6
MAY									
10...	1000	15	2	18	0	4.0	5.7	0	6.9
AUG									
02...	1010	16	1	20	0	3.5	10	0	8.7

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL PO- TAS- SIUM (K) (MG/L)	TOTAL SODIUM (NA) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	TOTAL ZINC (ZN) (UG/L)
NOV								
10...	20	10	1.3	.0	1.6	6.8	6.9	0
FEB								
15...	<10	12	1.1	.1	1.6	5.9	8.4	10
MAY								
10...	<10	7	1.5	.0	1.9	8.6	9.0	0
AUG								
02...	10	14	1.4	.0	1.9	10	10	0

02146800 SUGAR CREEK NEAR FT. MILL, S.C.

LOCATION.--Lat 35°00'21", long 80°54'09", York County, Hydrologic Unit 03050103, on right bank at downstream side of bridge on State Highway 160, 3,500 ft (1,070 m) downstream from Clems Branch, and 2.6 mi (4.2 km) east of Ft. Mill, S.C.

DRAINAGE AREA.--262 mi² (679 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 484.98 ft (147.822 m) above mean sea level.

Published in Water Resources Data for North Carolina Water Year 1977.

SANTÉE RIVER BASIN

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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.

WATER-DISCHARGE RECORDS

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) above mean sea level (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. Flow regulated by Lake Wylie, useable capacity, 6,542,000,000 ft³ (185,300,000 m³) and by other powerplants above the station.

AVERAGE DISCHARGE.--9 years, 5,957 ft³/s (168.7 m³/s), 22.92 in/yr (582 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, 798 ft³/s (22.6 m³/s) June 28, 1970.

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, 73,600 ft³/s (2,080 m³/s) Oct. 9, gage height, 23.81 ft (7.257 m); minimum daily, 830 ft³/s (23.5 m³/s) Aug. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2530	4590	9320	2500	3540	2480	8320	1060	2670	2970	3380	2760
2	1450	7700	12200	5200	3600	3930	3860	3430	5530	1300	1400	2960
3	1270	9590	11300	6000	1130	1200	6590	4090	5220	940	1230	2760
4	973	9770	7630	8000	1200	5670	8910	2930	6000	849	2120	840
5	880	9490	7140	6500	1110	3730	12100	3230	1780	1860	2300	968
6	967	6850	5420	7000	1070	2180	11800	5130	5380	2830	1400	1900
7	5690	3060	13000	9000	2090	6620	7870	3120	4260	2070	1120	2920
8	11200	2620	14800	7000	1550	6550	12800	1080	4610	2870	2630	3050
9	42600	9450	9770	6500	1030	4310	11700	3080	4220	3660	2780	7070
10	56000	10400	11700	3500	1010	5890	7500	5040	1370	1690	3270	2540
11	27100	4030	11000	2400	993	4370	4400	5080	1150	2140	5200	967
12	8140	5680	11800	8070	1370	4450	8720	5340	927	3950	5290	2320
13	4010	5230	9320	13200	1030	7070	12800	1750	2830	3830	2740	2230
14	11600	4160	11500	11500	1990	4360	12600	1050	4120	4260	830	1350
15	12700	3830	11400	9330	1710	2690	12600	1490	3580	6870	1730	3010
16	10800	5440	12300	9170	2000	9140	11400	1840	4320	4910	3420	1000
17	11100	5150	5980	13000	2450	6060	4260	1540	3700	2690	4360	2480
18	13200	5540	11000	10700	3070	5730	6180	4180	3920	5170	1810	4760
19	12300	4560	10100	11200	1860	1400	5790	5180	3130	5660	1010	5510
20	11200	4440	11500	11100	1000	4100	7020	2730	4550	4910	1860	4520
21	10100	3490	12400	11300	989	7000	5740	1710	5850	6380	1460	4720
22	9700	2400	12600	6890	1040	9570	5490	979	3300	4960	1020	1670
23	9830	2550	11000	4220	1020	6100	4180	2930	3200	2840	1200	1660
24	9410	2700	5500	6030	1210	6510	4950	1820	1090	840	2100	2550
25	8380	2640	6050	6030	2320	10600	7110	4450	3630	2460	940	2530
26	9560	2060	1000	7520	1080	4430	3150	3770	3010	4950	931	1120
27	9600	1950	4000	7290	1100	5740	4600	4320	3070	1790	2150	3450
28	11300	1710	8000	6180	3060	4720	4600	2280	4590	886	1370	3800
29	7840	2360	6500	5900	---	6380	5500	1040	3250	1200	2270	1210
30	4560	4590	9000	3690	---	24400	2940	1290	4300	1240	4560	1670
31	4030	---	5000	1210	---	37100	---	2860	---	1650	3130	---
TOTAL	340020	148030	289230	227130	46622	214480	225480	89819	108557	94625	71011	80295
MEAN	10970	4934	9330	7327	1665	6919	7516	2897	3619	3052	2291	2677
MAX	56000	10400	14800	13200	3600	37100	12800	5340	6000	6870	5290	7070
MIN	880	1710	1000	1210	989	1200	2940	979	927	840	830	840

CAL YR 1976 TOTAL 1934285 MEAN 5285 MAX 56000 MIN 798
WTR YR 1977 TOTAL 1935299 MEAN 5302 MAX 56000 MIN 830

02147000 CATANBA RIVER NEAR CATANBA, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1971 to June 1973, February 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	
OCT										
14...	0910	10100	18.0	7.4	81	6.6	7.0	--	--	
28...	0915	10150	13.0	9.2	83	6.8	2.0	.000	.000	
NOV										
10...	1000	10650	12.0	9.4	80	7.0	2.6	.000	.000	
23...	1000	2360	8.0	11.1	100	7.1	2.0	.000	.000	
DEC										
08...	1005	14300	7.0	10.4	90	6.9	6.8	.000	.000	
20...	1200	11680	8.5	10.6	79	7.0	3.9	.000	.000	
JAN										
05...	1015	--	6.0	11.6	80	7.2	3.6	3.46	.000	
18...	1000	7134	3.0	10.8	80	7.0	4.0	--	--	
FEB										
02...	0905	1534	2.0	13.8	87	7.3	2.4	1.00	.000	
15...	0945	1015	6.5	11.7	105	7.1	4.3	--	--	
MAR										
02...	1015	1816	7.0	11.6	86	7.2	1.9	7.67	1.04	
15...	1015	1546	14.0	9.2	125	7.0	6.3	.000	.000	
29...	1045	1956	15.0	9.3	113	6.9	--	--	--	
APR										
14...	1030	12800	17.0	7.9	83	6.7	1.8	--	--	
27...	0900	1708	16.5	8.6	90	6.9	8.0	--	--	
MAY										
10...	0915	1466	17.5	8.0	97	7.0	5.6	2.76	1.83	
24...	0915	1114	22.0	6.9	120	7.2	5.8	.000	.000	
JUN										
07...	0915	1956	22.5	6.5	115	7.0	4.7	1.02	.880	
21...	0900	1872	25.5	6.0	110	6.9	4.9	--	--	
JUL										
06...	0915	1444	28.0	6.1	110	6.5	5.1	4.74	3.93	
19...	0915	2735	29.0	5.6	110	6.8	4.6	1.41	.629	
AUG										
02...	0900	1036	27.0	5.8	120	6.8	3.8	.707	.314	
24...	0845	2012	27.0	5.8	101	7.0	5.7	1.87	.000	
SEP										
08...	0900	1008	27.0	5.9	135	6.9	6.8	1.30	.000	
20...	0815	1630	25.0	6.2	114	6.8	9.0	.000	.000	
DATE		CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	FECAL COLI- FORM (7UM-MF (COL./ 100 ML)	TOTAL IRON (FE) (UG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)
OCT										
14...	10	81010	4100	.74	.34	.15	.49	.25	3.3	
28...	2	540	720	.47	.27	.02	.29	.18	2.1	
NOV										
10...	3	813	310	.33	.18	.02	.20	.13	1.5	
23...	5	853	250	.61	.20	.13	.33	.28	2.7	
DEC										
08...	11	82320	3600	.95	.52	.15	.67	.28	4.2	
20...	7	8760	1900	.59	.20	.09	.29	.30	2.6	
JAN										
05...	10	390	710	.73	.25	.16	.41	.32	3.2	
18...	6	647	560	.57	.19	.10	.29	.28	2.5	
FEB										
02...	4	135	460	.78	.28	.21	.49	.29	3.5	
15...	8	58	350	1.2	.44	.44	.88	.36	5.5	
MAR										
02...	14	190	310	.73	.39	.12	.51	.22	3.2	
15...	11	8910	2800	1.3	.47	.29	.76	.51	5.6	
29...	12	600	520	.78	.26	.13	.39	.39	3.5	
APR										
14...	13	85	3400	1.4	.87	.13	1.0	.38	6.1	
27...	19	830	1100	.89	.38	.11	.49	.40	3.9	
MAY										
10...	20	98	150	.81	.31	.12	.43	.38	3.6	
24...	6	83260	340	1.2	.30	.38	.68	.56	5.5	
JUN										
07...	8	81860	310	.65	.13	.11	.24	.41	2.9	
21...	7	82030	10	.92	.52	.12	.64	.28	4.1	
JUL										
06...	9	262	200	.71	.34	.09	.43	.28	3.1	
19...	10	835	0	.68	.40	.11	.51	.17	3.0	
AUG										
02...	10	700	600	.89	.31	.14	.45	.44	3.9	
24...	10	83240	210	.48	.23	.07	.30	.18	2.1	
SEP										
08...	15	253	230	.86	.26	.09	.35	.51	3.8	
20...	10	1240	450	.66	.25	.10	.35	.31	2.9	

SANTEE RIVER BASIN

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02147000 CATAWBA RIVER NEAR CATAWBA, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	OIL AND GREASE (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SILICA (SI02) (MG/L)	TUR- BID- ITY (MG/L)	TUR- BID- ITY (NTU)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
OCT									
14...	0	.14	42	1150	.06	6.7	104	75	40
28...	0	.04	68	1860	.09	8.3	17	15	6
NOV									
10...	0	.05	50	1440	.07	8.6	9	7.0	3
23...	0	.11	43	274	.06	9.8	6	6.0	0
DEC									
08...	0	.10	52	2010	.07	8.2	72	70	30
20...	0	.00	60	1890	.08	8.8	23	45	6
JAN									
05...	0	.00	60	--	.08	9.6	18	20	2
18...	1	.07	54	1040	.07	9.3	16	12	6
FEB									
02...	0	.12	64	265	.09	9.4	12	10	4
15...	1	.10	65	178	.09	9.6	11	7.0	4
MAR									
02...	0	.10	62	304	.08	8.6	14	7.0	14
15...	1	.22	86	359	.12	12	36	45	39
29...	1	.13	82	433	.11	11	10	10	6
APR									
14...	1	.13	72	2490	.10	8.4	53	80	19
27...	0	.11	55	254	.07	8.9	18	25	6
MAY									
10...	3	.13	65	257	.09	9.0	12	10	10
24...	1	.26	59	177	.08	8.9	14	7.0	5
JUN									
07...	2	.13	59	312	.08	8.0	9	7.0	3
21...	1	.10	71	359	.10	8.4	8	8.0	6
JUL									
06...	5	.00	83	324	.11	7.7	4	2.0	4
19...	1	.00	60	443	.08	8.2	3	2.0	5
AUG									
02...	0	.16	78	218	.11	7.6	6	3.0	7
24...	0	.07	72	391	.10	7.1	6	2.0	4
SEP									
08...	2	.10	85	231	.12	6.8	3	2.0	4
20...	0	.00	67	295	.09	7.6	9	15	3

DATE	TIME	ALKA- LINITY AS CAC03 (MG/L)	TOTAL ARSENIC (AS) (UG/L)	BICAR- BONATE (HC03) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CAL- CIUM (CA) (MG/L)	CARRON DIOXIDE (C02) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
NOV									
10...	1000	10	1	22	0	4.5	7.5	0	5.6
FEB									
15...	0945	25	2	30	1	3.6	3.8	0	8.1
MAY									
10...	0915	20	2	24	0	4.8	3.8	0	8.2
AUG									
02...	0900	25	2	31	0	4.0	7.9	0	9.9

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL PO- TAS- SIUM (K) (MG/L)	TOTAL SODIUM (NA) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	TOTAL ZINC (ZN) (UG/L)
NOV								
10...	40	4	1.4	.0	1.6	7.1	7.3	0
FEB								
15...	10	11	2.0	.1	1.9	8.6	12	0
MAY								
10...	<10	5	2.1	.0	2.3	7.5	12	0
AUG								
02...	10	13	1.9	.5	2.3	10	14	0

SANTÉE RIVER BASIN

02147500 ROCKY CREEK AT GREAT FALLS, S.C.

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

DRAINAGE AREA.--194 mi² (502 km²).

PERIOD OF RECORD.--February 1951 to current year.

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--26 years, 193 ft³/s (5.466 m³/s), 13.51 in/yr (343 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,300 ft³/s (886 m³/s) Aug. 23, 1967, gage height, 18.82 ft (5.736 m); minimum, 0.04 ft³/s (0.001 m³/s) Oct. 6-13, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,500 ft³/s (99.1 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)	
Oct. 10	0030	4,000	113	6.67	2.033	Mar. 22	1730	3,980	113	6.65	2.027
Dec. 8	0100	3,920	111	6.61	2.015	Mar. 31	0200	4,350	123	6.90	2.103
Jan. 10	2230	*5,100	144	*7.35	2.240						

Minimum discharge, 11 ft³/s (0.31 m³/s) July 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	75	257	106	95	143	669	86	132	43	106	29
2	53	67	178	94	90	113	453	80	79	38	60	27
3	43	63	140	97	95	101	427	75	52	29	181	25
4	34	60	117	106	99	141	603	73	44	25	117	24
5	34	56	104	104	99	435	1260	76	40	24	47	24
6	36	54	101	101	90	557	922	70	39	22	29	25
7	32	53	2820	246	81	1870	414	64	48	21	23	27
8	356	52	1760	249	75	714	316	61	40	19	19	49
9	3170	48	396	232	83	370	239	59	35	17	17	67
10	1860	47	269	3710	86	266	202	55	32	16	15	63
11	263	48	356	1930	84	215	183	54	30	15	14	40
12	146	54	1610	419	83	195	166	53	38	15	13	30
13	108	59	1140	316	87	2440	151	52	35	15	12	27
14	90	53	446	326	84	1260	139	51	36	15	14	27
15	75	1270	1010	731	79	431	132	48	63	14	22	38
16	65	1710	2410	392	78	326	123	45	312	14	2150	774
17	87	349	555	254	74	248	113	51	83	13	352	1630
18	125	224	356	208	74	195	105	44	101	12	145	421
19	81	162	263	164	75	167	102	42	67	12	92	456
20	1250	134	210	156	78	322	96	42	56	12	68	198
21	737	121	195	132	72	529	92	53	46	11	57	107
22	260	101	153	123	71	3400	88	47	40	12	49	76
23	159	87	138	113	72	948	97	92	54	19	80	63
24	123	79	126	123	147	451	111	76	48	13	58	56
25	108	75	117	125	183	342	98	68	109	11	57	51
26	149	72	238	134	115	263	87	76	60	15	46	48
27	119	82	249	130	125	205	83	109	44	15	41	47
28	89	178	173	137	198	181	78	63	35	13	39	58
29	76	1370	146	132	---	498	76	75	30	13	39	48
30	74	500	123	104	---	2540	86	71	33	17	34	42
31	78	---	117	108	---	2780	---	68	---	21	31	---
TOTAL	9932	7303	16273	11302	2672	22646	7711	1979	1861	551	4027	4597
MEAN	320	243	525	365	95.4	731	257	63.8	62.0	17.8	130	153
MAX	3170	1710	2820	3710	198	3400	1260	109	312	43	2150	1630
MIN	32	47	101	94	71	101	76	42	30	11	12	24
CFSM	1.65	1.25	2.71	1.88	.49	3.77	1.33	.33	.32	.09	.67	.79
IN.	1.90	1.40	3.12	2.17	.51	4.34	1.48	.38	.36	.11	.77	.88

CAL YR 1976 TOTAL 71797 MEAN 196 MAX 3170 MIN 13 CFSM 1.01 IN 13.77
WTR YR 1977 TOTAL 90854 MEAN 249 MAX 3710 MIN 11 CFSM 1.28 IN 17.42

02148000 WATEREE RIVER NEAR CAMDEN, S.C.

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

DRAINAGE AREA.--5,070 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) above mean sea level. January 1903, to September 1910, nonrecording gage at site 1.5 mi (2.4 km) downstream at datum 117.71 ft (35.878 m) above mean sea level. Oct. 1, 1929 to Sept. 1, 1942, recording gage at site 830 ft (253 m) upstream at datum 119.36 ft (36.381 m) above mean sea level.

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.--54 years (1904-10, 1929 to current year), 6,328 ft³/s (179.2 m³/s), 16.95 in/yr (431 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, 155 ft³/s (4.39 m³/s) Oct. 28, 1973.

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, 55,100 ft³/s (1,560 m³/s) Oct. 11, gage height, 28.36 ft (8.644 m); minimum daily, 196 ft³/s (5.55 m³/s) July 4.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2400	5690	16200	4350	3790	3580	27700	1230	4900	3690	2840	2740
2	366	8130	16000	6130	3470	3550	18600	3920	5200	474	2390	3470
3	314	9990	15900	7870	1830	3570	17200	4580	3730	213	908	1850
4	3540	8290	9940	9440	1070	8960	16600	2680	6090	196	2430	546
5	1870	8260	7880	9870	545	6860	16500	3110	1130	3390	1660	556
6	1130	8300	10100	9840	2200	7260	16500	4940	5410	3950	2470	2660
7	5800	4800	16100	10200	2640	12200	16400	2130	4210	3730	756	1420
8	9640	6970	16700	10100	2870	13800	16300	347	2960	4290	3310	4600
9	12500	7970	16600	6920	2320	11000	14000	4290	4200	2960	3920	6840
10	38600	8950	16400	16800	1400	7770	11200	3470	1270	657	5060	1970
11	49200	7790	16200	17600	3310	8180	10400	3680	688	3050	5220	712
12	29900	8320	17800	17300	1150	7660	9490	5500	201	2350	6320	2800
13	18600	6520	18300	16900	1060	12900	12900	2680	5790	5180	2050	759
14	17100	4610	17800	16700	2930	16800	13200	1640	4010	5610	476	2720
15	16200	11400	17600	16700	1730	16800	12000	486	2210	6660	2410	1780
16	15700	15700	18100	16300	3410	16400	11800	2980	2530	4680	3660	11600
17	15600	8980	17700	15600	5110	12500	7130	1980	5340	2430	4780	11600
18	15700	7420	17100	14200	4280	12100	7610	4310	2290	4730	1320	2580
19	15600	8420	16700	14700	1410	4410	8030	5010	956	4530	1490	5260
20	16600	5060	16500	14400	448	4030	7860	3400	4270	5450	2300	5760
21	16900	3300	16400	13900	3450	7860	6920	704	2050	6360	1270	4140
22	16500	4750	16200	7170	1760	18000	6350	273	1180	5420	3530	1210
23	16000	5720	15400	3180	1600	17600	4450	3770	2680	1800	3760	1120
24	7760	4570	12600	8730	4710	17100	6230	4250	3830	521	1180	3040
25	9660	1390	9530	11900	4240	16400	7000	5160	4540	3800	701	1550
26	9530	2780	5890	8650	925	13800	4790	4580	1680	4000	617	2810
27	10400	2800	7440	7950	1500	6450	5610	4960	3880	5710	1160	4530
28	11000	2230	6780	6930	4400	7660	6280	1650	5170	2230	669	3150
29	10400	10600	7840	6510	---	9240	7170	305	3820	605	3850	895
30	8120	15900	8360	3120	---	15200	3160	1440	4890	1340	4600	1090
31	5210	---	6810	2440	---	21800	---	4080	---	952	3010	---
TOTAL	407840	215610	428870	332400	69558	341440	329380	93535	101105	100958	80117	95758
MEAN	13160	7187	13930	10720	2484	11010	10980	3017	3370	3257	2584	3192
MAX	49200	15900	18300	17600	5110	21800	27700	5500	6090	6660	6320	11600
MIN	314	1390	5890	2440	448	3550	3160	273	201	196	476	546

CAL YR 1976 TOTAL 2522455 MEAN 6892 MAX 49200 MIN 211
WTR YR 1977 TOTAL 2596571 MEAN 7114 MAX 49200 MIN 196

SANTEE RIVER BASIN

02148300 COLONELS CREEK NEAR LEESBURG, S.C.

LOCATION.--Lat 34°00'25", long 80°43'58", Richland County, Hydrologic Unit 03050104, at bridge on State Highway 262, 0.2 mi (0.3 km) above Jumping Run Creek, 1.9 mi (3.1 km) southwest of Leesburg, and at mile 8.0 (12.9 km).

DRAINAGE AREA.--38.1 mi² (98.7 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 157.97 ft (48.149 m) above mean sea level.

REMARKS.--Records good, except period of no gage-height record Oct. 22 to Nov. 23, which is poor.

AVERAGE DISCHARGE.--11 years, 47.4 ft³/s (1.34 m³/s), 16.89 in/yr (429 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 494 ft³/s (14.0 m³/s) June 10, 1973, gage height 5.28 ft (1.609 m); minimum, 11 ft³/s (0.31 m³/s) July 12-14, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 200 ft³/s (5.66 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 20	2300	260 7.36	4.46 1.359
Dec. 12	2330	*285 8.07	*4.56 1.390

Minimum discharge, 15 ft³/s (0.42 m³/s) July 19, gage height, 1.50 ft. (0.457 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	32	81	68	60	67	58	44	27	26	28	23
2	47	32	68	62	69	53	52	38	27	30	58	22
3	41	30	62	63	72	47	50	34	24	25	99	22
4	38	28	57	77	78	49	50	32	22	22	71	22
5	33	30	50	80	73	65	55	30	22	21	53	28
6	26	30	48	78	57	70	64	28	20	19	36	34
7	19	28	89	86	53	107	55	26	22	19	29	28
8	20	28	111	85	48	102	49	26	22	18	25	31
9	37	30	99	79	47	91	45	30	21	17	23	31
10	34	36	85	162	48	77	43	29	19	16	25	29
11	25	50	74	160	48	67	41	27	19	16	22	26
12	27	65	180	124	49	64	40	26	18	16	21	24
13	27	36	227	112	50	79	38	26	18	18	20	22
14	27	48	151	107	50	94	38	24	29	18	28	22
15	27	75	150	107	49	83	36	23	37	17	30	22
16	31	110	163	96	45	67	38	23	49	16	28	22
17	42	100	136	86	36	56	37	23	45	16	27	25
18	70	80	118	79	31	52	35	21	33	16	28	24
19	53	60	107	73	31	50	34	21	29	15	37	23
20	139	46	97	68	30	54	34	23	38	16	36	25
21	154	44	91	68	29	67	33	23	36	19	29	26
22	100	42	82	67	29	118	32	22	32	21	26	27
23	70	41	75	65	29	122	34	23	49	26	24	25
24	50	42	71	65	41	99	43	29	40	19	22	24
25	40	45	69	76	46	79	37	39	35	17	23	23
26	42	43	99	82	40	67	33	64	44	20	25	22
27	36	53	106	81	44	59	31	52	36	28	36	23
28	32	64	94	79	71	56	30	49	29	23	38	26
29	30	95	87	74	---	63	29	36	24	25	32	23
30	28	91	79	65	---	71	40	30	22	39	29	21
31	30	---	74	61	---	65	---	29	---	34	26	---
TOTAL	1433	1534	3080	2635	1353	2260	1234	950	888	648	1034	745
MEAN	46.2	51.1	99.4	85.0	48.3	72.9	41.1	30.6	29.6	20.9	33.4	24.8
MAX	154	110	227	162	78	122	64	64	49	39	99	34
MIN	19	28	48	61	29	47	29	21	18	15	20	21
CFSM	1.21	1.34	2.61	2.23	1.27	1.91	1.08	.80	.78	.55	.88	.65
IN.	1.40	1.50	3.01	2.57	1.32	2.21	1.20	.93	.87	.63	1.01	.73
CAL YR 1976	TOTAL	19260	MEAN	52.6	MAX	227	MIN	19	CFSM	1.38	IN	18.81
WTR YR 1977	TOTAL	17794	MEAN	48.8	MAX	227	MIN	15	CFSM	1.28	IN	17.37

Santee River Basin

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02148315 WATEREE RIVER BELOW EASTOVER, S.C.

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

DRAINAGE AREA.--5,590 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) above mean sea level (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 gage height, 16.71 ft (5.093 m) Dec. 14, 1969; minimum daily, 702 ft³/s (19.9 m³/s) Sept. 3, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.16 ft (4.621 m) Oct. 14; minimum daily, 1,170 ft³/s (33.1 m³/s) July 5, Aug. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5950	7010	9290	7610	3890	3390	---	5610	3070	5200	2050	3960
2	4520	6300	---	6340	4110	4450	---	3080	5280	5360	2540	2920
3	2460	7250	---	5890	4450	4190	---	3290	6020	3270	3400	3290
4	1400	8500	---	7400	3450	4010	---	4640	6270	1680	3120	3370
5	1750	8500	---	8160	2560	6460	---	4180	6580	1170	2730	1750
6	2930	7900	9310	8660	1940	7840	---	3440	4250	1660	3380	1190
7	1940	8180	9070	8830	1890	7520	---	4660	3840	3970	3060	1330
8	3430	6770	9450	8900	2940	8880	---	4170	5810	4460	2770	2510
9	7170	6240	---	8890	3090	9240	---	2280	4740	4560	2500	2640
10	8770	7690	---	8500	3390	9360	9500	2580	4360	4360	4040	5840
11	---	8360	---	9260	2410	9080	9000	4130	3690	2950	5070	4470
12	---	7810	---	---	3160	8690	8000	3790	2440	2290	5530	2060
13	---	7890	---	---	2630	8380	8000	5160	1470	3310	6070	1900
14	---	7230	---	---	1950	8920	9000	4220	2810	4030	4750	2270
15	---	6110	---	---	2420	9430	9000	2880	5200	5830	2290	1750
16	---	7960	---	---	2660	---	8500	2080	3820	6640	1790	2730
17	---	9450	---	---	2970	---	7500	1910	4210	6180	3180	6050
18	---	---	---	---	4530	---	7000	2760	6170	4200	4660	8950
19	---	---	---	---	4800	9560	7500	3340	5220	4190	3750	6520
20	---	8690	---	---	3470	8680	8000	5040	3940	5210	2240	4610
21	---	7210	---	---	1910	6930	7500	4460	3830	5600	2270	5720
22	---	5410	---	---	2330	7620	7500	2830	5340	6520	2730	5260
23	---	5070	---	9200	2770	9300	7000	1580	4720	6390	2300	3470
24	---	5950	---	7330	2540	---	7000	2160	4200	4620	3810	1930
25	---	5790	---	7290	3160	---	6500	4130	4110	2290	3050	2210
26	---	3750	9490	8840	4670	---	6500	5420	5110	2660	1770	2860
27	---	2850	8880	8810	3180	---	6010	5230	4150	4370	1330	2270
28	---	3460	8070	8300	2060	9370	5840	5560	3640	5650	1170	3970
29	---	3650	8190	7440	---	8840	6120	4370	5510	4760	1430	4260
30	---	6640	7830	6820	---	8840	6670	2190	5050	2600	2010	2330
31	8670	---	8170	5370	---	9310	---	1540	---	1800	4020	---
TOTAL	---	---	---	---	85330	---	---	112710	134850	127780	94810	104390
MEAN	---	---	---	---	3048	---	---	3636	4495	4122	3058	3480
MAX	---	---	---	---	4800	---	---	5610	6580	6640	6070	8950
MIN	---	---	---	---	1890	---	---	1540	1470	1170	1170	1190

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, 173 micromhos July 21, 1977; minimum, 46 micromhos Apr. 9, 1973.

DISSOLVED OXYGEN: Maximum, 13.1 mg/l Jan. 22, 1977; minimum, 4.0 mg/l July 9, 1976.

WATER TEMPERATURE: Maximum, 31.5°C July 19, 1977; minimum, 2.5°C Jan. 20, 24, 1977.

pH: Maximum, 7.3 units Nov. 17, 1975; minimum, 5.9 units Nov. 11, 12, 1974, April 21, 22, 1975.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 173 micromhos July 21; minimum, 62 micromhos Dec. 28.

DISSOLVED OXYGEN: Maximum, 13.1 mg/l Jan. 22; minimum, 5.1 mg/l July 16.

WATER TEMPERATURE: Maximum, 31.5°C July 19; minimum, 2.5°C Jan. 20, 24.

pH: Maximum, 7.2 units Oct. 6, Mar. 14, 15, 16, May 14, 26, June 29, July 7-9, 20, 22, Sept. 12, 14; minimum, 6.0 units Oct. 22.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	148	147	148	100	98	99	95	91	93	80	78	79
2	148	146	147	100	97	98	94	91	93	82	76	79
3	---	---	---	99	96	97	94	92	93	83	76	80
4	127	124	126	98	97	97	95	92	93	84	77	82
5	124	118	122	97	93	96	92	90	91	85	83	84
6	146	118	138	96	92	94	94	91	93	86	84	85
7	---	---	---	95	93	94	103	94	97	86	84	85
8	158	140	149	93	91	92	104	96	101	87	84	86
9	159	156	158	97	86	92	101	96	99	87	84	85
10	161	156	159	92	85	89	100	99	100	84	80	82
11	169	156	162	93	83	90	102	100	101	84	76	81
12	171	160	168	93	83	90	102	101	102	86	78	83
13	159	151	157	93	88	91	101	89	97	91	86	89
14	151	139	145	93	85	91	89	87	88	92	91	91
15	139	128	134	91	88	90	87	86	86	94	92	93
16	128	119	123	90	80	87	88	86	87	94	89	92
17	119	113	116	87	84	85	87	84	86	89	85	87
18	112	108	110	87	80	83	88	87	88	87	82	85
19	107	105	106	83	80	82	89	87	88	83	79	81
20	105	102	103	89	82	87	89	87	88	82	81	81
21	102	97	101	90	88	89	87	84	86	83	80	81
22	102	95	99	92	85	89	85	83	84	83	81	82
23	107	102	105	94	87	90	84	80	82	81	79	80
24	110	107	109	95	86	92	81	78	80	81	78	80
25	110	108	109	97	93	96	80	78	79	87	80	82
26	110	109	110	98	94	96	79	78	79	88	85	86
27	103	101	101	98	95	97	80	76	78	86	84	85
28	104	101	103	96	84	91	78	62	74	87	84	85
29	103	100	102	96	85	91	77	73	76	87	83	85
30	102	101	101	91	67	86	78	72	76	87	83	86
31	101	98	99	---	---	---	81	79	80	87	83	85

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	86	82	84	82	69	76	110	107	108	110	107	108
2	85	79	83	88	77	84	115	110	113	110	106	108
3	87	81	85	87	83	85	115	111	113	112	106	109
4	86	83	85	85	84	85	113	111	112	110	105	109
5	86	78	84	93	81	87	113	109	111	110	108	109
6	86	78	83	93	80	91	109	105	107	111	108	109
7	85	77	80	91	83	86	105	100	103	114	109	112
8	83	69	76	93	89	92	100	95	97	114	111	112
9	86	82	84	101	90	96	94	92	94	111	110	111
10	88	81	85	109	101	104	93	91	92	115	109	111
11	90	83	87	101	76	97	94	92	93	111	106	110
12	90	78	85	107	98	102	98	93	95	114	111	112
13	89	83	87	113	99	109	99	97	98	114	111	112
14	88	85	87	121	96	112	105	98	103	112	110	111
15	85	80	82	125	107	117	107	105	107	113	111	112
16	84	80	83	126	124	125	107	106	107	112	109	111
17	90	83	85	126	123	125	109	107	108	119	108	111
18	91	86	88	123	114	118	109	106	107	121	111	114
19	88	86	87	116	113	115	---	---	---	118	111	114
20	87	84	86	113	105	109	---	---	---	117	112	114
21	84	82	84	105	100	102	---	---	---	118	112	114
22	87	82	84	105	85	97	---	---	---	114	111	112
23	86	73	81	106	93	99	---	---	---	112	111	111
24	86	79	83	97	90	95	---	---	---	115	103	112
25	91	79	84	97	95	96	---	---	---	114	98	108
26	89	80	86	101	96	99	111	106	109	118	110	114
27	87	83	85	103	101	102	110	106	108	118	111	114
28	83	76	81	102	99	101	110	107	109	114	109	112
29	---	---	---	109	97	102	112	108	110	115	101	110
30	---	---	---	110	107	108	111	109	110	111	106	109
31	---	---	---	110	105	108	---	---	---	106	104	105
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	121	91	105	155	151	153	154	132	148	163	158	160
2	127	112	122	159	153	157	155	141	150	159	154	157
3	124	116	122	160	153	157	155	146	151	159	156	158
4	127	122	125	153	147	150	151	129	140	159	156	158
5	130	119	128	146	140	143	138	107	128	155	150	152
6	130	124	129	139	131	137	136	95	112	149	141	145
7	131	124	127	163	131	157	136	126	132	141	132	136
8	136	133	135	169	161	163	151	132	145	155	142	150
9	137	133	135	165	160	162	151	138	146	157	147	152
10	137	132	134	164	161	162	164	135	155	158	151	157
11	140	135	138	164	158	161	167	163	165	157	153	155
12	136	135	136	158	154	156	170	167	169	153	149	151
13	137	129	132	163	154	160	171	168	169	149	144	147
14	141	125	130	167	161	164	172	163	169	153	144	150
15	144	141	142	171	165	168	162	151	157	151	148	150
16	145	140	142	171	166	168	151	145	149	158	150	155
17	148	137	142	169	166	167	164	148	156	163	81	136
18	149	141	147	169	166	167	163	146	158	140	136	139
19	146	142	144	169	164	167	165	157	162	139	132	135
20	143	138	141	170	168	169	159	140	148	133	110	127
21	142	136	139	173	168	170	145	138	140	132	122	130
22	149	141	147	172	169	170	154	147	150	134	127	132
23	149	147	148	170	168	169	---	---	---	131	125	129
24	148	144	146	171	167	169	---	---	---	129	126	128
25	148	143	145	167	160	163	---	---	---	128	119	124
26	151	144	148	162	149	158	---	---	---	137	126	133
27	146	139	144	169	153	166	---	---	---	136	131	135
28	143	125	137	172	165	168	---	---	---	141	130	136
29	152	132	147	169	162	166	141	137	139	144	139	142
30	155	151	153	162	157	159	154	136	143	144	135	141
31	---	---	---	157	146	153	162	149	159	---	---	---
YEAR	173	62	115									

SANTEE RIVER BASIN

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

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6.3	6.1	6.1	7.2	6.9	7.0	8.9	8.7	8.8	11.1	10.4	10.8
2	6.8	6.2	6.4	7.7	7.2	7.4	8.8	8.7	8.7	11.2	10.8	10.9
3	---	---	---	7.8	7.7	7.8	8.8	8.4	8.6	11.9	11.0	11.2
4	7.1	6.9	7.0	7.7	7.5	7.6	8.4	8.2	8.4	11.9	11.3	11.5
5	7.4	6.9	7.2	7.6	7.5	7.5	8.1	7.9	8.0	11.4	10.8	11.2
6	7.8	7.2	7.4	8.0	7.4	7.6	8.1	7.9	8.0	11.3	10.7	11.0
7	---	---	---	8.0	7.7	7.8	8.6	8.0	8.3	11.5	10.8	11.2
8	7.4	6.6	7.0	7.8	7.7	7.8	8.6	8.2	8.4	11.5	10.8	11.2
9	6.7	6.5	6.6	7.8	6.6	7.1	9.4	8.8	9.1	11.3	11.1	11.2
10	6.7	6.4	6.5	6.9	5.6	6.2	9.6	9.1	9.4	11.7	10.8	11.1
11	7.4	6.8	7.1	6.9	5.4	6.2	9.2	9.2	9.2	11.9	11.3	11.6
12	7.2	6.2	6.8	7.2	5.3	6.1	9.4	9.3	9.3	11.9	11.2	11.7
13	6.3	6.1	6.2	7.7	6.8	7.3	9.4	9.3	9.4	11.9	11.3	11.7
14	6.2	5.8	6.0	8.8	7.6	8.4	9.4	8.4	9.0	11.8	11.5	11.6
15	6.0	5.9	6.0	8.7	8.4	8.5	8.7	8.6	8.6	11.6	11.1	11.4
16	6.0	5.8	5.9	8.6	8.4	8.5	8.9	8.7	8.8	11.9	11.0	11.5
17	6.0	5.9	6.0	8.5	8.4	8.4	9.0	8.9	9.0	12.2	11.7	12.0
18	6.2	6.1	6.2	8.4	7.9	8.0	9.2	9.1	9.2	12.7	12.1	12.0
19	6.3	6.1	6.2	8.1	7.5	7.8	9.6	9.5	9.5	12.9	12.2	12.7
20	6.4	6.2	6.4	8.4	8.2	8.3	9.9	9.7	9.8	12.9	12.0	12.6
21	6.5	6.2	6.3	8.3	7.7	8.0	10.0	9.9	9.9	13.0	12.1	12.6
22	6.5	6.1	6.2	8.4	7.8	8.2	10.4	10.2	10.3	13.1	11.5	12.3
23	6.2	6.1	6.2	9.0	8.4	8.6	10.9	10.0	10.7	12.1	10.0	11.4
24	6.2	6.1	6.2	9.2	8.9	9.1	11.0	10.4	10.8	12.2	9.4	11.6
25	6.1	5.7	5.9	9.0	8.8	8.9	10.9	10.2	10.6	12.7	11.4	12.0
26	---	---	---	8.8	8.5	8.7	10.7	9.9	10.3	12.9	12.1	12.6
27	6.9	6.8	6.9	8.6	8.3	8.4	10.7	9.7	10.1	12.6	12.2	12.3
28	7.3	6.9	7.2	9.0	8.5	8.8	10.6	9.5	9.8	12.2	11.7	11.9
29	7.5	7.2	7.4	8.7	8.4	8.5	10.5	10.0	10.3	12.4	11.5	12.0
30	7.4	7.2	7.3	8.7	8.3	8.5	10.6	10.1	10.4	12.5	11.6	12.1
31	7.1	6.8	7.0	---	---	---	11.1	10.2	10.5	12.3	11.1	11.8

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

SANTÉE RIVER BASIN

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

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.4	6.1	6.2	6.2	5.8	6.0	7.7	6.7	7.2	6.6	6.0	6.3
2	6.3	6.0	6.1	6.0	5.8	5.9	7.0	6.7	6.8	6.8	6.4	6.6
3	6.5	6.2	6.3	6.2	5.5	5.8	7.0	6.6	6.8	6.8	6.4	6.6
4	6.6	6.4	6.5	6.3	6.0	6.1	6.9	6.7	6.8	6.6	6.1	6.3
5	6.5	6.2	6.5	6.3	6.0	6.1	6.8	6.5	6.7	6.2	6.0	6.1
6	6.6	6.3	6.4	7.5	6.2	6.5	6.8	6.5	6.6	6.1	5.9	6.0
7	6.7	6.0	6.5	7.6	5.6	6.4	6.8	6.4	6.6	6.3	5.8	6.1
8	6.6	6.3	6.4	6.3	5.4	5.9	6.7	6.3	6.5	6.6	5.9	6.3
9	7.1	6.3	6.7	6.2	5.5	5.9	6.7	6.5	6.6	6.5	6.2	6.4
10	7.1	6.6	6.8	6.3	5.6	5.9	6.8	6.4	6.6	6.3	5.5	6.1
11	6.9	6.5	6.7	6.2	5.6	6.0	6.5	6.1	6.3	6.8	6.2	6.5
12	6.9	6.6	6.9	6.7	6.1	6.3	6.4	6.1	6.2	6.8	6.3	6.6
13	6.6	6.3	6.4	6.4	6.0	6.1	6.3	6.0	6.2	7.0	6.3	6.7
14	6.7	6.2	6.5	6.1	5.7	6.0	6.6	6.1	6.3	7.2	6.7	6.9
15	6.4	6.2	6.3	5.7	5.3	5.5	6.6	6.5	6.6	7.0	6.7	6.8
16	6.5	5.9	6.3	5.7	5.1	5.5	6.7	6.3	6.5	6.7	6.4	6.5
17	6.5	6.1	6.3	6.0	5.4	5.6	6.8	6.6	6.7	6.7	5.5	6.1
18	6.2	5.8	6.1	6.4	5.5	5.9	6.6	6.3	6.5	5.6	5.4	5.5
19	6.5	5.9	6.3	6.4	5.8	6.1	6.7	6.3	6.5	5.8	5.3	5.4
20	6.4	6.1	6.3	6.1	5.5	5.7	7.1	6.7	6.9	6.0	5.6	5.8
21	6.4	6.2	6.4	6.0	5.4	5.7	7.2	7.0	7.1	6.0	5.7	5.8
22	6.6	6.3	6.4	6.1	5.4	5.8	7.2	7.0	7.1	6.4	5.8	6.1
23	6.6	6.0	6.3	6.2	5.6	5.9	---	---	---	6.8	6.1	6.3
24	6.6	6.1	6.4	6.3	5.5	5.9	---	---	---	7.6	6.8	7.2
25	6.6	6.1	6.3	7.0	6.2	6.5	---	---	---	7.3	6.5	6.8
26	6.2	5.9	6.1	6.7	6.5	6.6	---	---	---	6.6	6.1	6.4
27	6.2	5.7	6.0	6.4	6.0	6.1	---	---	---	6.5	6.3	6.4
28	6.2	5.9	6.1	6.2	5.9	6.1	---	---	---	6.5	6.0	6.3
29	6.1	5.7	5.9	6.4	5.8	6.2	6.9	6.8	6.9	7.0	6.0	6.4
30	6.2	5.6	5.9	6.6	6.3	6.5	6.8	6.6	6.7	7.3	7.0	7.1
31	---	---	---	7.0	6.4	6.6	6.6	6.2	6.3	---	---	---
YEAR	13.1	5.1	8.0									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.5	26.0	27.0	29.5	29.0	29.5	29.0	28.0	28.5	30.0	29.0	29.5
2	26.0	25.5	25.5	29.5	28.5	29.0	29.0	28.0	28.5	29.5	29.0	29.5
3	26.0	25.0	25.5	30.0	28.5	29.5	28.0	27.0	27.5	29.0	28.5	29.0
4	26.5	25.5	26.0	30.0	29.0	29.5	27.5	26.0	26.5	29.0	28.5	29.0
5	26.5	26.0	26.5	30.0	29.0	29.5	28.0	26.5	27.5	28.5	28.0	28.5
6	27.0	26.0	26.5	31.0	29.0	30.0	29.0	27.0	28.0	29.5	28.0	28.5
7	27.0	26.0	26.5	31.0	30.0	30.5	30.0	28.0	29.0	29.5	28.5	29.0
8	26.0	25.0	25.5	31.0	30.0	30.5	30.5	29.0	29.5	29.5	29.0	29.5
9	26.0	25.5	25.5	31.0	30.0	30.5	30.0	29.5	30.0	29.5	28.5	29.0
10	26.0	24.5	25.5	31.0	29.5	30.5	30.0	29.0	29.5	28.5	28.0	28.0
11	26.0	25.0	25.5	31.0	30.0	30.5	30.0	29.0	29.5	28.5	28.0	28.5
12	27.0	25.5	26.0	31.0	30.5	30.5	29.5	28.5	29.0	28.5	27.5	28.0
13	27.5	26.5	27.0	31.0	30.0	30.5	29.5	28.5	29.0	27.5	27.0	27.0
14	28.5	26.5	27.0	31.0	30.0	30.5	29.0	28.5	29.0	28.5	27.0	27.5
15	27.5	27.0	27.0	30.5	29.5	30.0	28.5	27.5	28.0	28.5	28.0	28.5
16	28.0	27.0	27.5	30.5	30.0	30.0	29.5	28.5	29.0	29.0	28.0	28.5
17	28.0	27.0	27.5	30.5	29.5	30.0	29.5	28.5	29.0	28.5	26.0	27.5
18	27.5	27.0	27.0	31.0	30.0	30.5	29.0	28.0	28.5	27.5	27.0	27.5
19	28.0	27.0	27.5	31.5	30.5	31.0	28.0	27.0	27.5	28.0	27.5	27.5
20	28.5	27.0	28.0	31.0	30.0	30.5	27.0	26.0	27.0	28.5	27.5	28.0
21	29.0	28.0	28.5	31.0	30.5	30.5	27.5	26.0	26.5	28.0	27.0	27.5
22	29.0	28.0	28.5	31.0	30.5	30.5	27.5	27.0	27.5	27.5	27.0	27.5
23	29.0	28.5	28.5	30.5	30.0	30.5	---	---	---	27.5	27.0	27.0
24	29.0	28.0	28.5	30.5	29.5	30.0	---	---	---	27.0	26.0	26.5
25	28.5	27.0	28.0	30.0	29.0	29.5	---	---	---	26.5	26.0	26.5
26	28.5	27.5	28.0	29.5	28.5	29.0	---	---	---	27.0	26.0	26.5
27	29.0	27.5	28.5	29.0	28.5	29.0	---	---	---	27.0	26.5	27.0
28	30.0	28.5	29.0	29.0	28.0	28.5	---	---	---	27.0	26.5	26.5
29	30.0	29.0	29.5	28.5	28.0	28.5	28.5	28.5	28.5	26.5	26.0	26.5
30	30.0	29.0	29.5	28.5	27.5	28.0	29.5	28.0	28.5	26.0	25.0	25.5
31	---	---	---	29.0	27.5	28.5	30.0	28.5	29.0	---	---	---
YEAR	31.5	2.5	18.5									

SANTÉE RIVER BASIN

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

pH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

SANTÉE RIVER BASIN

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

pH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

[illegible]

Santee River Basin

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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) above mean sea level. 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 period of no gage-height record Apr. 1 to May 16, which is poor. Some diurnal fluctuation at low and medium flow caused by mill above station.

AVERAGE DISCHARGE.--48 years, 211 ft³/s (5.976 m³/s), 24.70 in/yr (627 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)
Oct. 9	0615	*6,370 180	*18.79 5.727
Mar. 30	2400	4,780 135	15.95 4.862

Minimum discharge, 55 ft³/s (1.56 m³/s) June 21, gage height, 3.00 ft (0.914 m); minimum daily, 79 ft³/s (2.24 m³/s) July 26-28, Sept. 4, 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	222	210	220	230	168	184	600	140	166	130	88	87
2	165	192	203	215	166	172	500	140	155	133	103	85
3	148	181	217	227	168	166	600	140	145	123	104	82
4	137	176	181	235	170	235	700	140	139	116	111	79
5	132	170	175	242	170	292	977	150	137	114	95	79
6	128	167	188	225	161	237	590	180	133	111	88	81
7	597	167	945	235	159	258	381	170	137	106	85	96
8	2340	165	533	207	155	217	324	170	130	104	121	868
9	5020	161	301	203	157	200	280	160	128	99	101	554
10	1460	161	253	304	159	184	260	160	123	103	103	215
11	512	159	232	272	159	188	260	160	121	126	114	163
12	404	174	269	227	163	198	240	160	123	107	95	139
13	353	165	266	215	186	496	200	160	121	99	88	128
14	314	163	225	217	177	344	180	160	225	98	114	200
15	278	172	653	261	168	255	160	160	170	96	101	186
16	257	168	747	235	161	227	160	150	145	95	109	469
17	248	161	364	217	157	207	160	149	141	91	98	665
18	240	159	292	203	157	198	160	147	157	88	109	319
19	217	157	261	193	157	191	160	145	147	87	112	232
20	212	157	258	191	155	225	160	145	139	84	96	195
21	212	155	255	186	151	212	170	145	117	82	91	161
22	192	153	230	181	151	319	180	155	126	81	88	153
23	183	149	225	184	151	248	220	153	184	87	85	141
24	178	149	220	188	195	220	280	161	147	88	95	133
25	227	149	215	184	195	203	240	191	170	84	111	128
26	437	147	250	181	170	193	220	181	141	79	106	124
27	250	177	225	186	188	188	200	210	132	79	168	121
28	207	242	215	184	222	186	160	175	126	79	143	119
29	192	391	210	170	---	225	140	193	130	81	111	112
30	187	269	225	172	---	2840	150	161	147	90	96	111
31	260	---	255	172	---	2280	---	159	---	85	91	---
TOTAL	15909	5366	9308	6542	4696	11788	9012	4970	4302	3025	3220	6225
MEAN	513	179	300	211	168	380	300	160	143	97.6	104	208
MAX	5020	391	945	304	222	2840	977	210	225	133	168	868
MIN	128	147	175	170	151	166	140	140	117	79	85	79
CFSM	4.42	1.54	2.59	1.82	1.45	3.28	2.59	1.38	1.23	.84	.90	1.79
IN.	5.10	1.72	2.98	2.10	1.51	3.78	2.89	1.59	1.38	.97	1.03	2.00

CAL YR 1976	TOTAL	95759	MEAN	262	MAX	5020	MIN	84	CFSM	2.26	IN	30.71
WTR YR 1977	TOTAL	84363	MEAN	231	MAX	5020	MIN	79	CFSM	1.99	IN	27.05

Santee River Basin

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 at mean sea level (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 at gage height 815 ft (248.4 m). 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, 817.44 ft (249.156 m) Oct. 9; minimum, 810.96 ft (247.181 m) Feb. 12.

Capacity table (gage height, 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, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	813.50	814.11	812.29	813.95	811.40	812.24	815.39	815.05	815.16	815.13	814.35	814.40
2	813.44	814.03	812.25	813.83	811.26	812.31	815.28	815.05	815.14	815.08	814.32	814.38
3	813.35	813.95	812.18	813.74	811.17	812.38	815.42	815.04	815.10	815.06	814.36	814.35
4	813.24	813.87	812.11	813.63	811.16	812.66	815.37	815.03	815.09	815.04	814.36	814.33
5	813.13	813.77	812.03	813.53	811.14	812.82	815.58	815.13	815.08	815.03	814.34	814.31
6	813.08	813.68	812.21	813.47	811.10	812.99	815.36	815.14	815.08	815.02	814.31	814.29
7	814.79	813.58	813.16	813.41	811.07	813.14	815.27	815.06	815.06	815.01	814.30	814.66
8	817.25	813.48	813.34	813.32	811.05	813.24	815.21	815.03	815.06	815.00	814.33	815.40
9	816.28	813.39	813.36	813.38	811.02	813.33	815.18	814.99	815.03	814.97	814.30	815.26
10	815.53	813.27	813.35	813.49	810.99	813.41	815.16	814.94	815.04	814.94	814.38	815.17
11	815.28	813.22	813.35	813.46	810.97	813.49	815.16	814.92	815.04	814.94	814.38	815.14
12	815.17	813.13	813.47	813.39	810.98	813.64	815.13	814.88	815.04	814.92	814.35	815.05
13	815.10	813.03	813.47	813.31	811.01	813.78	815.12	814.85	815.06	814.90	814.31	815.01
14	815.04	812.96	813.45	813.32	811.02	813.88	815.11	814.81	815.10	814.88	814.29	815.01
15	814.99	812.90	814.45	813.30	811.04	813.96	815.10	814.77	815.13	814.85	814.29	815.05
16	814.91	812.81	814.90	813.24	811.11	814.03	815.09	814.73	815.14	814.83	814.27	815.57
17	814.86	812.72	815.00	813.16	811.17	814.08	815.08	814.73	815.17	814.79	814.30	815.52
18	814.78	812.62	815.03	813.05	811.24	814.14	815.09	814.74	815.15	814.76	814.34	815.28
19	814.68	812.53	815.03	812.93	811.33	814.19	815.09	814.76	815.19	814.72	814.33	815.13
20	814.65	812.45	815.06	812.84	811.37	814.36	815.07	814.79	815.15	814.69	814.33	814.93
21	814.54	812.34	814.97	812.71	811.43	814.54	815.06	814.85	815.14	814.66	814.30	814.77
22	814.45	812.23	814.89	812.59	811.48	814.78	815.05	814.89	815.17	814.63	814.28	814.55
23	814.36	812.12	814.81	812.47	811.55	814.84	815.21	814.94	815.15	814.60	814.29	814.32
24	814.28	812.02	814.70	812.39	811.73	814.88	815.17	815.03	815.18	814.56	814.35	814.08
25	814.36	811.91	814.65	812.28	811.82	814.91	815.14	815.09	815.16	814.52	814.35	813.85
26	814.42	811.85	814.50	812.18	811.89	814.92	815.07	815.14	815.14	814.48	814.37	813.61
27	814.37	811.82	814.52	812.05	812.07	814.93	815.05	815.16	815.14	814.45	814.44	813.38
28	814.30	812.05	814.41	811.95	812.17	814.94	815.04	815.16	815.08	814.42	814.45	813.13
29	814.22	812.29	814.29	811.82	---	815.18	815.04	815.16	815.15	814.40	814.44	812.88
30	814.19	812.31	814.18	811.68	---	816.50	815.05	815.15	815.15	814.38	814.43	812.63
31	814.17	---	814.09	811.55	---	815.66	---	815.20	---	814.36	814.41	---
MAX	817.25	814.11	815.06	813.95	812.17	816.50	815.58	815.20	815.19	815.13	814.45	815.57
MIN	813.08	811.82	812.03	811.55	810.97	812.24	815.04	814.73	815.03	814.36	814.27	812.63
(+)	6.88	6.04	6.84	5.70	5.98	7.63	7.32	7.40	7.38	6.98	7.00	6.18
(*)	15.97	-43.32	39.93	-56.90	15.47	82.35	-15.99	3.99	-1.03	-19.96	1.00	-42.29

CAL YR 1976 * 0.85 MAX 817.25 MIN 811.82

WTR YR 1977 * -1.61 MAX 817.25 MIN 810.97

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

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

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LOCATION.--Lat 35°06'35", long 81°57'35", Spartanburg County, Hydrologic Unit 03050105, on right bank 100 ft (30 m) upstream from highway bridge, 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).

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 706.33 ft (215.289 m) above mean sea level.

REMARKS.--Records good. Some regulation by South Pacolet River Reservoir and Lake William C. Bowen (see preceding page). Some diurnal fluctuation caused by mill on North Pacolet River. About 26,734,000 gal (101,200 m³) per day or 41.4 ft³/s (1.17 m³/s) diverted above station for city of Spartanburg water supply during water year 1976.

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, 12,900 ft³/s (365 m³/s) Oct. 9, gage height, 14.89 ft (4.538 m); minimum daily, 91 ft³/s (2.58 m³/s) July 22, 26.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	495	355	376	428	334	214	1180	265	309	205	98	102
2	298	323	334	423	345	224	730	265	298	190	117	98
3	224	318	346	430	369	238	966	262	265	158	117	98
4	238	310	300	418	323	307	894	265	215	148	124	95
5	258	301	298	388	297	395	1700	265	193	150	108	113
6	251	293	312	392	290	295	1170	336	193	145	102	143
7	923	291	1320	421	277	300	725	316	202	143	98	193
8	4870	285	930	378	251	256	614	309	196	131	135	1370
9	9840	272	556	376	214	235	505	305	187	133	113	1040
10	3070	293	435	538	204	216	485	298	163	133	124	415
11	918	290	345	505	206	223	505	298	158	161	199	316
12	642	306	385	450	208	231	451	301	155	143	153	290
13	534	299	415	436	231	677	406	294	158	131	100	272
14	422	291	360	416	243	498	340	298	280	124	131	364
15	384	294	994	450	256	369	305	231	215	124	115	344
16	307	292	1190	411	209	306	298	231	184	124	126	742
17	301	282	674	380	204	257	294	228	178	119	113	1780
18	320	279	483	406	196	249	283	208	196	108	124	949
19	309	311	415	417	185	230	294	193	184	98	131	515
20	406	358	443	423	183	264	290	187	245	96	110	316
21	424	358	541	420	179	281	309	187	224	93	106	380
22	346	345	474	411	177	511	313	199	178	91	102	393
23	285	304	449	381	178	407	376	196	276	98	98	433
24	251	236	409	371	221	334	541	205	283	100	108	406
25	306	236	423	371	225	291	447	234	313	95	126	389
26	646	235	463	366	192	280	415	228	276	91	121	406
27	442	276	434	364	218	305	406	258	265	93	190	352
28	315	467	377	364	268	319	283	224	211	93	166	309
29	302	739	330	346	---	366	258	265	202	93	128	316
30	341	452	321	333	---	4650	265	234	228	102	110	360
31	520	---	373	343	---	3800	---	280	---	98	106	---
TOTAL	29188	9691	15514	12556	6683	17528	16048	7865	6630	3811	3799	13299
MEAN	942	323	500	405	239	565	535	254	221	123	123	443
MAX	9840	739	1320	538	369	4650	1700	336	313	205	199	1780
MIN	224	235	298	333	177	214	258	187	155	91	98	95
CFSM	4.44	1.52	2.36	1.91	1.13	2.67	2.52	1.20	1.04	.58	.58	2.09
IN.	5.12	1.70	2.72	2.20	1.17	3.08	2.82	1.38	1.16	.67	.67	2.33

Santee River Basin

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) above mean sea level, 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.--39 years, 4,049 ft³/s (114.7 m³/s), 19.71 in/yr (501 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)
Oct. 10	1200	*123,000 3,480	*31.51 9.604
Mar. 31	1900	55,400 1,570	21.85 6.660

Minimum discharge, 282 ft³/s (7.99 m³/s) July 30; minimum daily 1,170 ft³/s (33.1 m³/s) Sept. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4080	3440	6100	3750	3040	3980	35700	3590	3000	2440	1420	1720
2	5040	3480	4760	3420	2750	3770	11900	3570	3140	2700	1460	1490
3	3570	3020	3770	3570	3260	3550	8640	3530	2870	3120	1780	1350
4	2350	3590	3170	3440	2910	3410	9800	3410	2480	2150	2150	1470
5	1840	3550	3240	3800	2990	3730	12100	3460	2440	1950	1950	1310
6	2230	3300	2940	3330	3120	5100	20600	3570	2150	2020	2100	1500
7	2290	2880	12400	3710	3170	6520	13800	3350	2250	1850	1660	1170
8	6980	2590	22500	4600	3140	6100	8820	3210	1810	1640	1460	2550
9	55500	2680	10700	4160	2260	5140	7400	3260	2340	1710	1520	11000
10	114000	2490	6660	12400	2680	4340	6320	2940	2490	1660	1730	6600
11	56800	2510	5700	10900	2830	3660	5880	2880	2180	1850	1770	4660
12	10500	2720	7060	6600	2920	3680	5520	3000	1850	1940	1800	3390
13	6620	3020	10100	5180	2840	8240	5100	2890	2070	1580	1850	2460
14	5520	2840	7360	4500	2640	9520	4720	2750	2420	1800	1630	2160
15	4820	3820	8520	6020	3080	7240	4380	2830	2540	1850	1400	2420
16	4260	4500	21500	6100	3350	5480	4380	2810	2790	1680	1780	3350
17	3960	3320	14800	5040	3150	4480	4160	2700	2700	1670	2030	11500
18	3780	2860	8080	4080	2830	4460	3910	2640	3210	1840	2590	11500
19	3280	2730	6640	3950	2670	3930	3980	2620	2640	1440	2310	7360
20	3410	2600	5440	3710	2750	3930	4040	2320	2950	1520	2310	5360
21	3100	2800	5700	3860	2700	4740	3950	2230	2640	1410	1590	3970
22	3260	2750	5540	3620	2480	12500	3710	2400	2150	1580	1690	3300
23	2910	2490	4940	3410	2480	10300	3870	2590	2270	1580	1300	2940
24	2830	2490	4180	3570	2240	6160	4000	3260	2410	1400	1650	2860
25	2720	2400	4100	3680	3410	5260	4420	2800	2700	1740	1590	2790
26	3240	2480	4300	3770	3530	4780	4600	2710	3020	1320	1640	2750
27	4500	2380	4740	3530	3410	4180	3910	2980	2670	1230	2050	2710
28	3500	2860	4600	3260	4080	3980	3780	3050	2490	1520	1910	2400
29	3040	6220	4200	3420	---	4740	3660	2910	2270	1700	2090	2660
30	2970	9240	3680	3390	---	21800	3570	2600	2260	1440	1940	2360
31	3150	---	3460	3040	---	49600	---	2770	---	1920	1900	---
TOTAL	336050	98050	220880	140810	82710	228700	220620	91630	75200	55250	56050	113060
MEAN	10840	3268	7125	4542	2954	7377	7354	2956	2507	1782	1808	3769
MAX	114000	9240	22500	12400	4080	49600	35700	3590	3210	3120	2590	11500
MIN	1840	2380	2940	3040	2240	3410	3570	2230	1810	1230	1300	1170
CFSM	3.89	1.17	2.55	1.63	1.06	2.64	2.64	1.06	.90	.64	.65	1.35
IN.	4.48	1.31	2.95	1.88	1.10	3.05	2.94	1.22	1.00	.74	.75	1.51

CAL YR 1976 TOTAL 1774340 MEAN 4848 MAX 114000 MIN 880 CFSM 1.74 IN 23.66
WTR YR 1977 TOTAL 1719010 MEAN 4710 MAX 114000 MIN 1170 CFSM 1.69 IN 22.92

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 177 micromhos July 30, 1977; minimum, 21 micromhos March 31, 1977.

DISSOLVED OXYGEN: Maximum, 13.2 mg/l Jan. 10, 11, 1977; minimum, 5.5 mg/l Sept. 3, 1974.

WATER TEMPERATURE: Maximum, >33.5°C July 8, 21, 1977; minimum, 0.5°C Jan. 19, 1977.

pH: Maximum, 9.0 units Dec. 25, 1974; minimum, 5.9 units March 31, April 1, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 177 micromhos July 30; minimum, 21 micromhos March 31.

DISSOLVED OXYGEN: Maximum, 13.2 mg/l Jan. 10, 11; minimum, 5.8 mg/l April 20.

WATER TEMPERATURE: Maximum, >33.5°C July 8, 21; minimum, 0.5°C Jan. 19.

pH: Maximum, 7.8 units July 21; minimum, 5.9 March 31, April 1.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	68	59	64	71	69	70	56	55	55	64	61	62
2	62	49	56	69	62	67	57	53	54	62	61	61
3	61	50	56	65	61	64	76	54	62	63	60	60
4	71	58	65	68	64	66	71	65	68	61	59	60
5	68	61	64	68	61	65	81	69	75	63	58	61
6	72	64	67	66	61	64	89	74	77	65	60	62
7	75	70	73	69	65	67	112	50	74	68	64	67
8	87	46	70	72	69	71	52	48	50	69	65	67
9	44	37	41	72	71	72	48	47	49	67	45	63
10	---	---	---	73	71	71	53	48	51	54	46	49
11	41	36	39	73	71	72	58	53	56	52	48	50
12	45	42	44	77	71	74	59	56	58	56	52	55
13	48	43	46	83	77	79	57	55	56	59	56	57
14	54	47	51	82	77	79	58	55	57	63	59	60
15	57	54	56	79	59	71	61	50	55	61	59	60
16	59	57	58	77	71	74	50	44	46	62	59	61
17	62	59	61	74	72	73	48	45	46	62	60	61
18	63	62	62	78	74	76	52	48	50	62	59	61
19	63	62	62	80	75	77	56	52	54	63	61	61
20	67	63	65	83	80	81	58	55	57	62	57	61
21	68	65	66	85	81	83	59	56	58	69	63	66
22	71	66	69	83	78	80	59	58	58	66	64	66
23	71	70	71	79	77	78	63	59	61	70	65	68
24	72	69	70	79	76	77	65	62	63	68	66	68
25	73	71	72	85	80	82	66	63	64	66	63	65
26	73	71	72	85	81	83	64	61	62	64	61	63
27	72	63	69	88	83	87	61	58	60	64	61	62
28	63	61	62	89	79	87	58	55	57	70	65	68
29	64	62	63	91	67	79	59	57	58	72	68	71
30	70	64	67	67	58	61	62	57	59	73	70	72
31	70	68	69	---	---	---	64	62	62	74	70	71

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	73	70	71	61	56	59	35	30	32	58	56	57
2	71	69	70	58	57	57	39	35	37	58	57	57
3	71	66	69	59	57	58	41	40	41	56	52	55
4	74	69	71	70	60	62	43	40	42	53	50	51
5	75	71	73	66	61	64	42	36	39	53	52	52
6	72	68	70	68	57	63	36	29	32	54	52	53
7	71	67	69	57	54	55	35	29	32	56	54	55
8	71	67	69	57	54	56	38	35	36	59	56	58
9	72	69	71	56	52	54	40	37	39	59	55	58
10	76	71	73	56	52	53	43	39	41	57	55	55
11	78	70	73	61	56	58	44	43	44	61	57	59
12	77	71	74	65	60	63	45	43	44	58	56	57
13	77	75	76	---	---	---	60	41	46	57	53	55
14	75	73	74	55	44	50	---	---	---	59	56	57
15	76	71	74	43	40	41	62	59	60	67	59	63
16	71	67	69	47	42	44	59	57	58	67	64	65
17	68	58	63	50	47	48	61	58	59	70	67	68
18	64	58	61	52	50	51	67	61	63	69	65	67
19	71	64	67	56	52	54	67	60	64	68	64	65
20	71	68	69	58	55	56	81	68	72	68	64	66
21	70	67	68	60	44	57	67	57	62	71	68	69
22	70	64	66	46	41	43	65	54	59	72	69	71
23	66	63	65	48	42	45	61	54	58	71	68	70
24	88	64	76	52	48	51	67	58	64	71	68	70
25	69	64	66	54	52	53	70	51	58	73	66	69
26	70	67	69	65	54	59	52	47	49	72	68	70
27	71	64	67	67	63	66	49	47	48	70	68	69
28	65	62	63	66	59	63	50	48	49	70	67	69
29	---	---	---	61	41	57	53	50	52	72	67	70
30	---	---	---	40	24	36	57	54	56	73	70	72
31	---	---	---	33	21	30	---	---	---	73	70	71

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	73	70	72	75	68	71	95	87	89	135	71	78
2	75	71	73	77	70	74	96	92	95	125	71	77
3	73	72	73	74	68	72	92	85	88	111	72	78
4	75	71	72	70	64	68	90	86	88	91	76	78
5	80	75	77	65	61	63	86	80	83	87	76	78
6	80	76	78	67	64	65	84	81	82	86	80	84
7	77	70	74	67	63	65	81	79	80	120	80	85
8	77	71	74	69	66	68	87	80	82	84	77	82
9	76	72	74	74	67	70	87	85	86	77	38	50
10	75	69	72	72	70	71	86	78	82	42	38	40
11	69	65	66	73	69	70	79	75	77	52	42	47
12	74	67	69	74	70	71	80	77	79	60	48	53
13	77	70	73	76	71	74	81	76	80	61	54	58
14	75	68	70	68	66	67	122	72	79	59	54	56
15	79	69	74	69	66	68	116	72	80	69	62	65
16	69	65	67	71	67	69	161	70	82	71	65	68
17	65	61	63	75	68	71	84	73	79	53	39	45
18	68	61	65	75	69	72	81	72	78	40	34	39
19	64	62	63	75	72	73	73	67	71	40	38	39
20	65	61	64	75	68	72	68	65	67	46	38	41
21	63	59	62	76	72	74	68	62	65	55	46	51
22	69	63	66	77	72	74	66	62	64	60	53	57
23	70	64	66	81	77	78	119	65	70	61	55	59
24	72	65	67	82	79	80	73	67	70	61	58	59
25	78	70	73	87	80	83	72	69	70	63	58	59
26	73	69	71	88	85	86	74	71	73	63	59	61
27	72	66	70	162	84	95	78	74	76	64	59	62
28	69	67	67	127	81	87	79	76	78	63	59	61
29	68	64	66	136	82	89	88	77	82	66	59	63
30	71	67	69	177	91	102	87	79	84	67	63	65
31	---	---	---	92	89	90	79	75	77	---	---	---

YEAR	177	21	65
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02156500 BROAD RIVER NEAR CARLISLE, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.6	7.5	7.6	11.3	10.8	11.0	12.0	11.2	11.7	11.1	10.9	11.0
2	8.2	6.9	7.4	11.4	10.7	11.1	11.9	11.5	11.7	11.5	11.2	11.4
3	7.9	6.2	7.2	11.5	11.0	11.2	12.3	10.9	11.9	11.9	11.5	11.7
4	7.2	6.5	6.8	11.3	11.0	11.1	11.7	11.2	11.5	11.9	11.8	11.8
5	8.1	7.3	7.6	11.4	11.0	11.2	11.4	11.1	11.2	11.8	11.4	11.6
6	8.1	7.1	7.7	11.6	11.2	11.3	11.6	10.2	11.0	11.4	11.1	11.2
7	8.0	7.6	7.8	11.6	11.2	11.3	12.5	10.1	11.3	11.1	10.9	11.0
8	7.8	7.5	7.7	11.7	11.3	11.4	11.5	10.9	11.2	11.1	10.9	11.0
9	8.5	7.9	8.2	11.9	11.4	11.6	11.7	11.5	11.6	11.4	11.1	11.2
10	---	---	---	11.9	11.3	11.6	11.6	11.4	11.5	13.2	11.3	12.3
11	8.9	8.6	8.8	11.8	10.9	11.4	11.5	11.2	11.4	13.2	12.6	12.9
12	10.3	9.3	9.8	11.3	11.0	11.1	11.3	10.9	11.0	12.8	12.3	12.5
13	9.9	9.3	9.6	11.7	11.1	11.3	11.0	10.8	10.9	12.3	12.0	12.2
14	10.1	9.6	9.9	11.5	11.3	11.4	11.7	10.8	10.9	12.0	11.7	11.9
15	9.9	9.5	9.7	11.7	11.1	11.4	11.8	10.9	11.1	11.7	11.5	11.6
16	9.7	9.4	9.6	11.9	11.3	11.6	12.8	12.0	12.4	11.5	11.3	11.4
17	9.8	9.5	9.6	11.6	11.2	11.4	12.1	10.7	11.4	12.2	11.3	11.8
18	10.1	9.8	10.0	11.2	10.5	10.9	10.9	10.6	10.7	12.2	11.7	12.0
19	10.2	10.1	10.1	10.8	10.5	10.7	11.1	10.6	10.7	12.4	12.0	12.2
20	10.2	10.1	10.2	10.6	10.3	10.5	10.8	10.4	10.6	12.3	10.5	11.8
21	10.5	10.2	10.3	10.6	10.2	10.4	10.7	10.3	10.5	12.3	12.1	12.2
22	10.6	10.3	10.4	10.8	10.2	10.5	11.2	10.7	11.1	12.3	12.1	12.1
23	10.5	10.4	10.4	11.1	10.5	10.8	11.8	11.5	11.7	12.2	12.0	12.1
24	10.5	10.2	10.3	11.6	10.7	11.2	12.2	11.9	12.0	12.0	11.9	12.0
25	10.4	10.0	10.2	11.9	11.0	11.4	12.6	12.3	12.4	12.0	11.7	11.8
26	10.2	10.0	10.1	11.6	11.0	11.3	12.8	12.5	12.7	11.7	11.5	11.6
27	10.5	10.2	10.3	11.4	10.8	11.1	12.8	12.6	12.8	11.6	11.3	11.4
28	10.7	10.4	10.6	10.9	10.0	10.7	13.1	11.0	12.5	11.3	10.9	11.1
29	10.9	10.7	10.8	11.1	9.8	10.6	11.0	10.8	10.9	11.1	10.9	11.0
30	10.9	10.7	10.8	11.7	11.1	11.4	11.1	10.8	11.0	11.7	11.1	11.5
31	10.8	10.5	10.6	---	---	---	11.2	10.9	11.0	11.9	11.5	11.7

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

SANTEE RIVER BASIN

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

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.7	7.1	7.4	7.2	6.8	7.0	7.8	6.8	7.2	7.1	6.0	6.7
2	7.3	7.2	7.2	7.2	6.8	7.0	7.6	6.8	7.2	7.4	6.2	6.8
3	7.5	7.2	7.4	7.0	6.9	7.0	7.3	6.8	7.1	7.3	6.2	6.8
4	7.6	7.2	7.4	7.1	6.9	7.0	7.5	7.0	7.3	7.2	6.2	6.8
5	7.6	7.1	7.3	7.2	6.8	7.0	7.6	7.1	7.3	7.2	6.0	6.8
6	7.5	7.0	7.3	7.1	6.8	6.9	7.7	6.8	7.3	7.5	6.7	7.1
7	7.9	7.0	7.4	7.4	6.7	7.0	7.4	6.6	7.0	7.8	6.0	6.9
8	8.0	7.1	7.6	8.0	6.9	7.3	7.7	6.5	7.0	7.1	6.6	6.7
9	7.8	7.2	7.6	8.4	7.0	7.6	7.6	6.5	7.0	7.7	7.2	7.5
10	8.1	7.6	7.8	8.3	6.9	7.6	7.5	6.4	6.9	7.5	7.1	7.3
11	8.2	7.6	7.9	8.5	7.1	7.6	7.5	6.5	7.0	7.1	5.9	6.3
12	8.1	7.4	7.7	8.1	6.8	7.3	7.4	6.5	6.9	7.0	6.5	6.8
13	8.5	7.3	7.8	7.4	6.5	7.0	7.3	6.3	6.7	7.8	6.7	7.1
14	7.9	7.2	7.6	8.7	6.9	7.9	6.8	5.5	6.3	7.5	7.3	7.4
15	7.7	7.0	7.3	8.1	6.8	7.3	7.0	5.5	6.4	---	---	---
16	7.3	6.9	7.2	8.3	6.7	7.4	6.7	5.4	6.4	---	---	---
17	7.3	7.0	7.2	8.4	6.7	7.3	6.6	6.4	6.5	8.9	8.1	8.7
18	7.2	7.1	7.1	8.3	6.6	7.3	6.8	6.4	6.6	---	---	---
19	7.2	7.0	7.1	8.5	6.5	7.3	7.1	6.7	6.9	8.1	7.8	8.0
20	7.1	6.9	7.0	8.3	6.3	7.3	7.2	6.9	7.1	8.7	8.0	8.4
21	7.3	6.9	7.1	8.6	6.2	7.2	7.3	7.0	7.1	---	---	---
22	7.4	7.0	7.2	7.5	6.2	6.8	7.4	6.8	7.1	---	---	---
23	7.2	7.0	7.1	8.0	6.2	7.0	7.3	6.3	6.9	8.0	6.7	7.4
24	7.2	7.0	7.1	8.2	6.4	7.2	7.3	6.7	7.0	7.4	7.0	7.2
25	7.2	6.8	7.1	8.3	6.6	7.3	7.4	6.8	7.1	7.8	7.3	7.6
26	7.1	7.0	7.1	7.5	6.5	7.0	7.4	6.8	7.1	8.0	7.4	7.7
27	7.1	6.9	7.0	8.0	5.9	6.9	7.5	6.9	7.1	7.7	7.3	7.5
28	7.1	6.9	7.0	7.3	5.9	6.9	7.4	6.7	7.0	7.9	7.4	7.6
29	7.0	6.8	6.9	7.2	6.0	7.0	7.4	6.8	7.0	8.1	7.5	7.8
30	7.4	6.7	7.0	7.7	6.1	7.1	7.2	6.6	6.9	7.9	7.6	7.7
31	---	---	---	7.7	6.9	7.3	7.1	6.5	6.8	---	---	---
YEAR	13.2	5.4	9.2									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	21.0	20.0	21.0	13.0	12.0	12.5	9.5	8.0	9.0	6.0	5.0	5.5
2	20.0	19.0	19.5	12.5	11.5	12.0	8.0	7.0	7.5	4.5	3.5	4.0
3	20.0	18.5	19.5	12.5	11.0	11.5	7.0	6.0	6.5	4.0	3.0	3.5
4	21.0	20.0	20.5	12.0	11.0	11.5	7.0	6.0	6.0	4.0	3.0	3.5
5	21.0	20.0	20.5	11.5	10.5	11.0	7.0	6.0	6.5	5.5	4.0	4.5
6	21.0	19.0	20.0	11.0	10.0	10.5	6.5	6.0	6.0	6.0	5.5	5.5
7	21.0	20.5	20.5	11.0	9.5	10.0	7.5	6.0	6.5	7.0	6.0	6.5
8	21.5	20.5	21.0	10.5	9.0	9.5	8.0	7.5	8.0	6.5	5.5	6.0
9	21.0	20.5	20.5	10.0	8.5	9.0	7.5	7.5	7.5	6.0	5.0	5.5
10	---	---	---	10.5	8.5	9.5	7.5	6.5	7.0	5.0	4.0	4.5
11	18.0	17.0	18.0	11.5	9.0	10.0	8.0	7.0	7.5	4.5	3.0	3.5
12	17.5	16.0	17.0	11.0	10.5	10.5	9.5	7.5	8.5	3.0	2.0	2.5
13	17.0	16.5	16.5	11.0	10.0	10.5	10.0	9.5	9.5	3.5	2.0	3.0
14	17.0	16.5	17.0	10.0	8.5	9.5	9.5	8.5	8.5	3.5	3.0	3.5
15	17.5	16.0	16.5	9.0	8.0	8.5	8.5	7.5	8.0	4.5	4.0	4.0
16	17.5	16.5	17.0	9.0	8.0	8.5	9.5	7.5	8.5	4.5	3.0	4.0
17	17.5	16.0	17.0	9.0	8.5	8.5	10.0	9.0	9.5	3.5	2.0	3.0
18	16.5	14.5	15.5	10.5	8.5	9.0	11.5	9.0	10.0	2.5	1.5	2.0
19	15.0	14.0	14.5	10.5	8.5	9.5	11.5	9.0	10.0	2.0	0.5	1.5
20	14.5	13.5	14.0	10.0	9.5	10.0	10.5	9.0	10.0	2.5	1.0	1.5
21	14.5	12.5	13.5	11.5	10.0	10.5	9.0	6.5	7.5	2.5	1.0	2.0
22	14.0	13.0	13.5	10.5	9.5	10.0	6.5	5.0	6.0	2.5	1.5	2.0
23	14.0	12.5	13.0	9.5	8.0	9.0	5.5	4.5	5.0	3.0	1.5	2.5
24	14.0	13.0	13.5	8.5	7.5	8.0	5.0	3.5	4.5	2.5	2.0	2.5
25	14.5	13.5	14.0	9.0	7.0	7.5	4.5	3.5	4.0	3.5	2.5	3.0
26	15.5	14.0	15.0	8.5	7.5	8.0	5.0	4.5	4.5	4.5	3.0	4.0
27	15.0	14.5	14.5	9.5	8.0	9.0	5.5	4.0	5.0	5.5	4.0	5.0
28	14.5	13.5	14.0	12.0	9.5	10.5	6.5	5.0	6.0	6.0	5.5	5.5
29	13.5	12.0	13.0	12.5	11.5	12.0	6.5	6.0	6.5	5.5	4.0	5.0
30	12.5	12.0	12.0	12.0	10.0	11.0	6.0	5.0	5.5	4.5	3.0	4.0
31	13.5	12.0	13.0	---	---	---	6.5	6.0	6.0	4.5	3.5	4.0

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	4.0	2.5	3.5	12.0	10.5	11.0	17.0	15.5	16.5	18.5	17.5	18.0
2	4.0	2.0	3.0	10.5	9.5	10.0	17.5	16.5	17.0	19.5	18.0	19.0
3	3.5	2.5	3.0	10.5	9.5	10.0	17.5	16.5	17.0	21.0	18.5	20.0
4	4.5	3.0	3.5	12.0	10.5	11.5	17.5	16.0	17.0	22.5	20.5	21.5
5	5.5	4.0	4.5	12.5	11.0	11.5	17.5	15.5	17.0	23.5	21.5	22.5
6	5.5	4.0	4.5	12.5	12.0	12.0	15.5	14.5	15.0	25.0	22.5	23.5
7	5.0	3.5	4.0	13.5	11.5	12.5	15.5	14.0	15.0	25.5	24.0	24.5
8	4.0	2.5	3.5	13.0	11.5	12.0	16.0	14.0	15.0	25.5	24.0	24.5
9	4.5	3.0	3.5	12.0	11.0	11.5	16.0	14.5	15.5	24.5	22.0	23.5
10	5.5	3.0	4.0	12.5	10.5	11.5	17.0	15.0	16.0	23.5	20.5	22.0
11	6.5	4.0	5.0	13.0	12.0	12.5	18.0	15.5	16.5	22.5	19.5	21.0
12	6.5	5.0	6.0	15.0	13.0	13.5	19.0	16.5	18.0	22.0	19.5	20.5
13	8.5	6.0	7.5	---	---	---	21.5	18.0	19.5	22.5	18.5	21.0
14	9.5	7.0	8.0	16.0	14.0	15.0	---	---	---	23.5	20.5	22.0
15	9.0	8.0	8.5	15.5	13.5	14.5	21.0	20.5	20.5	24.0	21.0	22.5
16	9.0	7.5	8.0	16.5	14.0	15.0	21.5	19.5	20.5	24.5	22.0	23.5
17	7.5	6.0	7.0	15.5	14.5	15.0	21.5	19.5	20.5	25.5	19.0	24.0
18	7.0	6.0	6.5	16.0	14.0	15.0	21.5	20.0	21.0	26.0	23.5	24.5
19	8.0	6.0	7.0	15.5	14.0	15.0	22.0	20.5	21.0	26.5	24.0	25.0
20	7.0	6.0	7.0	16.0	14.0	15.0	21.5	20.0	21.0	27.5	25.0	26.0
21	7.5	5.5	6.5	15.0	12.5	14.0	22.0	20.5	21.5	26.5	25.0	25.5
22	8.5	5.5	7.0	13.0	12.5	12.5	22.5	21.0	21.5	26.0	24.0	24.5
23	9.5	6.5	8.0	12.5	11.5	12.0	21.5	18.0	21.5	25.5	23.5	24.5
24	12.5	8.5	10.5	13.5	11.0	12.0	21.5	20.5	21.0	24.5	23.5	24.0
25	13.0	10.0	11.5	14.5	12.0	13.0	21.0	19.5	20.0	23.5	23.0	23.5
26	14.5	11.5	13.0	15.5	12.5	14.0	19.5	17.5	18.5	23.5	22.5	23.0
27	14.0	12.5	13.5	15.5	14.0	15.0	19.0	16.5	17.5	24.5	22.5	23.5
28	13.0	12.0	12.5	16.5	14.0	15.5	19.0	16.5	18.0	25.0	23.0	24.0
29	---	---	---	16.0	15.5	16.0	18.5	17.5	18.0	26.0	23.5	25.0
30	---	---	---	16.0	15.5	16.0	18.0	17.5	18.0	27.0	24.5	25.5
31	---	---	---	16.5	15.5	16.0	---	---	---	26.5	25.5	26.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	27.0	25.0	26.0	31.0	28.5	29.5	30.0	26.5	28.0	30.0	26.5	28.0
2	27.0	25.0	25.5	30.0	28.0	29.0	28.5	27.5	28.0	30.0	26.5	28.5
3	27.0	24.5	25.5	29.5	27.5	28.5	27.5	26.5	27.0	30.0	27.0	28.5
4	27.5	25.0	26.0	30.0	27.0	28.5	28.0	26.0	27.0	29.5	26.5	28.5
5	28.0	25.5	26.5	30.5	27.0	29.0	28.5	25.5	27.0	29.5	27.5	28.5
6	29.0	25.5	27.0	31.5	28.0	30.0	29.5	26.5	28.0	30.0	27.5	29.0
7	27.5	26.0	26.5	32.5	29.0	30.5	31.5	27.0	29.5	30.0	27.5	29.0
8	27.0	23.5	25.5	---	29.5	---	32.0	28.5	30.5	28.5	27.5	28.5
9	26.5	23.5	25.0	33.5	29.5	31.5	32.0	29.0	30.5	27.5	25.5	26.5
10	25.5	22.0	24.0	33.5	29.5	31.5	32.5	29.5	31.0	26.5	24.5	25.5
11	26.0	22.5	24.0	33.0	29.5	31.5	32.5	29.0	31.0	28.0	26.0	27.0
12	27.0	23.5	25.0	32.5	30.0	31.0	32.0	29.0	31.0	26.5	24.5	25.5
13	27.5	24.0	25.5	30.5	29.0	30.0	32.5	29.0	30.5	26.5	24.0	25.5
14	27.0	25.0	26.5	33.0	31.0	32.0	31.0	28.5	29.5	27.0	25.0	25.5
15	28.0	26.0	27.0	32.5	29.5	31.0	31.0	28.5	30.0	26.0	24.5	25.5
16	27.5	26.5	27.0	33.0	29.5	31.0	31.0	28.5	29.5	25.5	25.0	25.5
17	27.5	26.0	26.5	33.0	30.0	31.5	30.5	29.0	29.5	24.5	23.5	24.0
18	27.5	26.0	26.5	32.5	29.5	31.0	29.0	27.5	28.5	24.0	23.5	24.0
19	28.0	26.0	27.0	33.0	29.5	31.5	28.5	26.5	27.0	25.5	24.5	25.0
20	29.0	26.5	27.5	33.0	30.0	31.5	28.0	25.5	27.0	26.0	24.5	25.5
21	29.0	27.0	28.0	---	30.0	---	28.5	25.5	27.0	---	---	---
22	29.5	26.5	28.0	31.5	30.5	31.0	29.0	26.0	27.5	26.0	24.5	25.5
23	29.5	27.0	28.0	32.0	29.5	30.5	28.5	26.0	27.5	26.0	24.0	25.0
24	28.5	27.0	28.0	31.5	28.0	30.0	29.5	27.0	28.5	25.0	23.5	24.5
25	29.0	26.5	27.5	30.5	28.0	29.5	29.5	27.5	28.5	25.5	23.5	24.5
26	28.5	27.0	28.0	29.0	27.5	28.5	28.5	27.5	28.0	26.0	24.5	25.0
27	29.5	27.0	28.5	29.0	26.5	28.0	29.0	28.0	28.0	26.0	24.5	25.0
28	30.5	27.5	29.0	27.5	26.0	27.0	29.0	27.0	28.0	26.0	24.0	25.0
29	30.5	28.0	29.0	26.5	25.5	26.0	30.0	26.5	28.0	25.0	23.0	24.0
30	30.5	28.0	29.5	29.0	25.5	27.0	30.0	27.0	28.5	23.5	22.5	23.0
31	---	---	---	29.0	26.0	27.5	30.0	27.0	28.5	---	---	---
YEAR	33.5	0.5	17.5									

SANTÉE RIVER BASIN

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

pH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

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

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pH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

[illegible]

SANTEE RIVER BASIN

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), revised.

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

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

REMARKS.--Records good, except for period of no gage-height record July 9 to Aug. 23, which is poor.

AVERAGE DISCHARGE.--27 years, 66.3 ft³/s (1.88 m³/s), 20.28 in/yr (515 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 (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 9	0715	*2,420 68.5	*11.30 3.444
Mar. 30	1600	1,470 41.6	7.88 2.402
Sept. 17	1015	1,350 38.2	7.40 2.256

Minimum daily, 18 ft³/s (0.51 m³/s) Aug. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	46	62	65	58	71	225	62	52	50	24	29
2	44	43	56	62	57	66	160	62	48	44	28	24
3	37	42	52	65	57	63	180	60	44	40	40	22
4	35	42	50	66	59	91	146	57	42	37	34	21
5	33	42	48	70	59	89	313	59	39	35	30	22
6	32	41	62	34	55	82	71	85	39	33	28	23
7	81	41	402	100	55	104	130	65	39	32	28	27
8	937	41	126	75	54	85	112	59	37	30	26	425
9	1740	41	82	94	54	76	100	57	36	30	24	146
10	225	40	71	196	55	71	92	53	34	28	24	89
11	94	40	65	135	56	70	88	51	34	28	22	74
12	70	52	126	97	56	69	85	51	44	28	22	55
13	59	42	102	91	74	89	80	49	95	26	20	49
14	53	43	76	106	63	72	76	47	83	26	20	57
15	49	55	299	117	60	67	74	45	62	26	18	79
16	44	50	245	97	38	64	70	45	82	24	20	247
17	46	20	114	91	58	59	69	43	194	24	26	780
18	45	44	94	91	58	59	69	44	86	26	40	171
19	29	43	85	91	57	56	71	43	92	24	34	104
20	48	42	104	85	56	80	65	43	332	22	28	80
21	43	42	56	70	55	98	64	62	106	20	24	64
22	41	41	82	66	54	255	63	58	78	20	22	55
23	39	41	79	65	54	130	88	53	72	24	27	50
24	39	41	75	65	82	103	95	55	65	30	36	47
25	51	39	75	67	67	89	74	69	75	24	31	43
26	60	40	98	67	62	79	67	59	62	22	30	42
27	45	52	80	70	89	75	64	58	66	20	34	44
28	42	85	76	70	83	72	60	53	53	22	35	50
29	41	119	72	65	---	107	59	65	49	24	30	40
30	43	74	67	59	---	1030	60	51	52	28	27	39
31	55	---	79	60	---	732	---	50	---	32	25	---
TOTAL	4273	1424	3156	2552	1685	4253	2970	1713	2192	879	857	2998
MEAN	138	47.5	102	82.3	60.2	137	99.0	55.3	73.1	28.4	27.6	99.9
MAX	1740	119	402	196	89	1030	313	85	332	50	40	780
MIN	29	20	48	34	38	56	59	43	34	20	18	21
CFSM	3.11	1.07	2.30	1.85	1.36	3.09	2.23	1.25	1.65	.64	.62	2.25
IN.	3.58	1.19	2.64	2.14	1.41	3.56	2.49	1.44	1.84	.74	.72	2.51

CAL YR 1976	TOTAL	25473	MEAN 69.6	MAX 1740	MIN 17	CFSM 1.57	IN 21.34
WTR YR 1977	TOTAL	28952	MEAN 79.3	MAX 1740	MIN 18	CFSM 1.79	IN 24.26

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 (1966 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.

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, 265 ft³/s (7.50 m³/s) Sept. 13, 1976.

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)
Oct. 11	Unknown	*30,300 858	*26.31 8.019 (from floodmarks)
Apr. 1	1700	12,600 357	18.19 5.544

Minimum daily, 307 ft³/s (8.69 m³/s) Aug. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1520	905	1500	1020	959	1410	12100	912	908	653	397	387
2	1240	802	1100	1000	936	1170	9050	908	769	691	387	363
3	1020	733	1000	1000	928	1040	3490	924	709	663	600	348
4	865	699	900	1000	940	1070	3410	904	653	603	698	334
5	750	673	850	1000	949	1280	3980	876	618	565	660	326
6	695	647	800	1050	932	1400	5760	856	586	540	523	321
7	694	630	3850	1200	886	2050	4130	848	579	519	460	326
8	7430	619	5090	1400	834	1810	2520	812	572	505	422	372
9	12000	610	4220	1300	839	1420	1960	796	551	484	390	968
10	26000	601	2210	3600	850	1200	1660	812	526	460	375	1350
11	13000	601	1670	5500	855	1100	1450	757	512	467	354	1170
12	5000	641	2000	3000	855	1040	1320	734	505	471	334	824
13	2200	725	2540	1800	881	3010	1290	723	603	457	323	691
14	1560	701	2250	1600	940	1950	1290	709	660	436	313	607
15	1320	1570	2790	2700	923	1410	1200	702	796	418	307	603
16	1160	1700	6040	2400	882	1180	1100	681	749	404	315	977
17	1060	1200	5900	1800	855	1050	1030	670	1160	387	464	2130
18	982	955	3650	1400	832	972	985	656	1720	401	453	2630
19	803	854	2150	1300	825	908	960	646	1160	372	488	2940
20	951	804	1610	1250	819	956	1060	653	1550	360	491	1390
21	897	779	1550	1200	808	1150	1040	688	1500	348	464	981
22	928	728	1600	1100	795	3780	960	745	1160	340	418	812
23	826	700	1440	1100	792	4220	936	792	940	345	404	716
24	758	650	1270	1050	900	2520	1040	742	836	422	404	663
25	727	650	1160	1050	1080	1520	1220	753	924	384	450	632
26	850	650	1270	1050	1040	1270	1090	832	796	354	418	607
27	889	650	1380	1050	972	1140	956	856	753	360	415	582
28	845	800	1280	1060	1390	1050	908	808	828	354	464	572
29	751	1800	1170	1080	---	1390	872	769	712	390	478	653
30	707	1900	1110	1010	---	7090	936	804	656	439	446	607
31	830	---	1060	985	---	10900	---	964	---	432	415	---
TOTAL	84258	25977	66410	48055	25497	63456	69703	24332	24991	14024	13530	25882
MEAN	2718	866	2142	1550	911	2047	2323	785	833	452	436	463
MAX	26000	1900	6040	5500	1390	10900	12100	964	1720	691	698	2940
MIN	694	601	800	985	792	908	872	646	505	340	307	321
CFSM	3.58	1.14	2.82	2.04	1.20	2.70	3.06	1.03	1.10	.60	.57	1.14
IN.	4.13	1.27	3.25	2.36	1.25	3.11	3.42	1.19	1.22	.69	.66	1.27

CAL YR 1976	TOTAL	479945	MEAN	1311	MAX	26000	MIN	265	CFSM	1.73	IN	23.52
WTR YR 1977	TOTAL	486115	MEAN	1332	MAX	26000	MIN	307	CFSM	1.76	IN	23.83

SANTÉE RIVER BASIN

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 DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 217 micromhos Mar. 8, 1975; minimum, 33 micromhos Oct. 9, 10, 1976.

DISSOLVED OXYGEN: Maximum, 13.0 mg/l Jan. 10, 19, 21, 1977; minimum, 4.8 mg/l July 23, 1977.

WATER TEMPERATURE: Maximum, 30.5 July 14, 15, 1977; minimum, 0.0°C Jan. 18, 19, 1977.

pH: Maximum, 8.7 units May 27, 1974; minimum, 5.9 units Mar. 14-16, 1975, Oct. 10, 1976.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 156 micromhos July 24; minimum, 33 micromhos Oct. 9, 10.

DISSOLVED OXYGEN: Maximum, 13.0 mg/l Jan. 10, 19-21; minimum, 4.8 mg/l July 23.

WATER TEMPERATURE: Maximum, 30.5°C July 14, 15; minimum, 0.0°C Jan. 18, 19.

pH: Maximum, 7.6 units Jan. 6, July 14, 16, Sept. 4-6; minimum, 5.9 units Oct. 10.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	93	89	90	121	111	117	80	71	75	---	---	---
2	98	93	95	111	94	104	89	80	84	---	---	---
3	103	98	100	93	89	91	94	89	92	---	---	---
4	104	103	104	115	92	108	101	95	98	80	77	78
5	104	95	101	122	114	119	103	98	101	94	77	82
6	94	92	94	122	118	120	101	90	98	99	94	97
7	116	96	111	123	120	122	80	50	56	100	98	99
8	109	48	77	124	120	122	59	52	54	97	88	91
9	47	33	40	118	106	111	65	59	62	89	61	85
10	39	33	36	105	98	100	75	65	70	57	47	50
11	45	39	42	125	100	115	82	75	79	56	47	50
12	55	45	50	129	122	126	82	70	75	71	56	64
13	68	56	63	127	123	125	72	66	69	81	71	76
14	76	69	73	127	121	125	67	66	66	84	79	83
15	84	77	80	121	74	90	69	53	61	79	70	73
16	89	85	88	86	81	82	55	51	52	70	67	68
17	93	90	92	89	81	83	58	52	55	67	66	66
18	93	89	92	104	90	100	65	58	61	69	66	67
19	92	87	90	111	105	109	71	65	68	68	68	68
20	87	81	84	118	110	116	75	72	74	93	90	91
21	97	88	94	123	118	121	74	67	71	95	93	94
22	105	97	101	123	115	121	79	67	74	100	95	97
23	108	105	107	114	102	110	80	78	79	102	100	101
24	110	106	108	101	94	97	88	81	85	100	95	97
25	112	106	110	116	95	110	89	88	88	94	81	88
26	106	95	102	121	116	119	89	75	82	90	79	83
27	97	89	91	125	119	122	74	70	72	94	90	92
28	109	98	107	120	104	117	71	70	71	99	94	98
29	109	108	109	103	76	84	85	69	74	102	100	101
30	117	109	115	76	71	74	93	85	90	104	101	103
31	120	116	118	---	---	---	95	93	95	102	92	97

SANTÉE RIVER BASIN

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

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

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

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

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.8	7.5	7.7	7.5	7.3	7.4	6.8	6.5	6.7	7.8	7.4	7.6
2	7.6	7.5	7.6	7.5	7.3	7.4	7.0	6.6	6.9	7.8	7.4	7.6
3	7.8	7.6	7.7	7.6	7.4	7.5	7.2	7.0	7.1	7.7	7.3	7.5
4	7.9	7.6	7.7	7.7	7.4	7.6	7.3	7.0	7.2	7.7	7.3	7.5
5	7.8	7.4	7.6	7.8	7.5	7.6	7.1	6.7	7.0	7.7	7.3	7.5
6	7.6	7.4	7.5	7.7	7.3	7.5	6.8	6.5	6.7	7.8	7.3	7.5
7	7.8	7.6	7.7	7.6	7.3	7.4	6.7	6.4	6.5	8.0	7.3	7.6
8	8.3	7.8	8.1	7.6	7.3	7.4	6.7	6.4	6.5	8.0	7.3	7.6
9	8.3	7.9	8.1	7.6	7.3	7.5	6.9	6.5	6.7	7.5	7.0	7.3
10	8.4	8.0	8.2	7.6	7.3	7.4	6.9	6.6	6.7	7.1	7.0	7.1
11	8.3	7.9	8.1	7.7	6.5	7.2	6.9	6.5	6.7	7.4	7.1	7.2
12	8.0	7.5	7.8	6.6	5.8	6.2	6.8	6.5	6.7	7.8	7.4	7.7
13	7.5	7.4	7.4	6.5	5.8	6.1	6.8	6.5	6.6	8.1	7.8	8.0
14	7.5	7.3	7.4	7.5	6.3	7.0	6.8	6.5	6.6	8.0	7.6	7.8
15	7.5	7.4	7.4	7.3	7.1	7.2	7.0	6.6	6.8	8.2	7.9	8.1
16	7.6	7.3	7.5	7.4	7.0	7.2	7.3	6.9	7.1	8.5	8.2	8.3
17	7.5	7.4	7.5	7.3	6.9	7.1	7.4	6.9	7.2	9.1	8.1	8.5
18	7.5	7.3	7.4	7.0	6.1	6.7	8.0	7.4	7.8	8.9	8.5	8.7
19	7.4	7.3	7.3	6.7	6.0	6.3	8.6	8.2	8.4	7.1	6.3	7.0
20	7.3	7.2	7.3	6.4	5.0	6.1	8.8	7.1	8.5	7.6	7.2	7.5
21	7.4	7.2	7.4	5.7	4.8	5.3	7.2	6.9	7.1	7.9	7.7	7.8
22	7.4	7.3	7.4	5.7	5.0	5.3	7.4	7.1	7.3	8.1	7.9	8.0
23	7.5	7.3	7.4	5.3	4.8	5.1	7.8	7.4	7.6	8.3	8.0	8.2
24	7.5	7.3	7.4	6.0	4.9	5.5	7.9	7.3	7.6	8.3	8.1	8.2
25	7.5	7.2	7.3	6.4	5.9	6.2	8.0	7.3	7.7	8.2	7.8	8.0
26	7.3	7.2	7.3	6.4	6.0	6.2	8.0	7.7	7.9	7.9	7.7	7.8
27	7.4	7.2	7.3	6.6	6.2	6.4	7.9	7.5	7.7	7.9	7.7	7.8
28	7.3	7.2	7.2	7.0	6.2	6.7	7.7	7.4	7.6	8.0	7.7	7.9
29	7.4	7.2	7.3	7.4	6.9	7.2	7.8	7.4	7.6	8.4	8.1	8.3
30	7.5	7.3	7.4	7.2	6.7	7.0	7.8	7.4	7.6	8.5	8.3	8.5
31	---	---	---	6.7	6.5	6.6	7.8	7.5	7.7	---	---	---
YEAR	13.0	4.8	8.9									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.5	19.0	20.0	12.0	11.0	11.5	7.5	5.5	6.5	---	---	---
2	19.5	18.5	19.0	11.0	10.0	10.5	6.0	4.5	5.5	---	---	---
3	19.5	17.5	18.5	10.5	9.0	10.0	5.5	4.5	5.0	---	---	---
4	20.0	18.0	19.0	10.5	9.0	10.0	5.5	4.0	5.0	5.0	2.5	4.0
5	20.0	18.0	19.0	10.0	9.0	9.5	6.0	4.5	5.0	8.5	4.5	6.0
6	19.5	17.5	19.0	9.0	7.5	8.5	6.5	6.0	6.0	7.0	6.0	6.5
7	20.5	19.0	20.0	9.5	7.5	8.5	7.0	6.0	7.0	7.5	6.5	7.0
8	20.5	20.0	20.5	9.0	8.0	8.5	7.5	7.0	7.0	6.5	5.0	5.5
9	20.5	19.0	19.5	8.0	6.5	7.5	6.5	5.5	6.0	5.5	5.0	5.5
10	19.0	18.0	18.5	10.0	7.5	9.0	6.0	5.0	5.5	5.0	4.0	4.5
11	18.0	16.5	17.5	10.5	9.0	10.0	7.5	6.0	7.0	3.5	2.0	2.5
12	16.5	15.5	16.0	11.0	10.0	10.5	9.5	7.5	8.5	2.5	1.0	2.0
13	16.5	14.5	15.5	10.0	8.5	9.0	9.5	9.0	9.5	3.5	1.5	2.5
14	17.0	14.5	16.0	8.5	7.5	7.5	9.0	7.0	8.0	4.0	3.0	3.5
15	16.5	14.5	15.5	8.0	6.5	7.5	8.0	7.0	7.5	4.5	4.0	4.0
16	17.0	14.5	16.0	9.5	8.0	8.5	9.0	8.0	8.5	4.0	3.0	4.0
17	16.5	15.0	16.0	9.5	9.0	9.0	9.0	7.5	8.0	3.0	0.5	1.5
18	14.5	13.0	14.0	9.5	8.5	9.0	8.5	7.5	8.0	1.5	0.0	0.5
19	13.0	12.0	12.5	10.0	8.5	9.5	8.5	7.5	8.0	0.0	0.0	0.0
20	13.5	12.5	12.5	10.5	10.0	10.0	9.0	8.0	8.5	1.5	0.5	1.0
21	13.0	11.5	12.5	11.5	10.5	10.5	8.5	6.0	7.5	2.0	0.5	1.0
22	12.5	11.0	12.0	10.5	8.0	9.0	6.0	4.5	5.0	2.0	0.5	1.5
23	12.5	11.0	12.0	7.5	6.0	7.0	4.5	3.5	4.0	2.0	0.5	1.5
24	13.5	11.5	12.5	7.0	6.0	6.5	4.5	3.0	4.0	2.0	2.0	2.0
25	14.5	13.0	14.0	7.5	6.0	7.0	4.5	3.0	3.5	3.5	2.0	2.5
26	15.5	14.5	15.0	8.0	7.0	7.5	5.5	4.5	5.0	4.0	2.5	3.0
27	14.5	13.5	14.0	10.0	8.0	9.0	5.5	4.5	5.0	5.5	3.5	4.5
28	13.5	11.5	12.5	12.5	10.0	11.5	6.5	5.0	6.0	6.0	5.0	5.5
29	11.5	10.0	11.0	13.0	11.0	12.0	6.5	6.0	6.5	5.0	3.0	4.0
30	11.0	10.0	10.5	11.0	7.5	9.0	5.5	4.5	5.0	3.0	1.5	2.5
31	13.0	11.0	12.0	---	---	---	6.0	5.5	5.5	4.0	2.5	3.0

Santee River Basin

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

pH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

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

SANTÉE RIVER BASIN

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

pH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

[illegible]

SANTÉE RIVER BASIN

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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 RECORDS.--October 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft (91.440 m) above mean sea level.

REMARKS.--Records good.

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, 114 ft³/s (3.23 m³/s) Aug. 14, 1977, gage height, 14.43 ft (4.398 m).

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 10	0300	*19,700 558	*32.58 9.930
Apr. 1	1700	6,880 195	26.48 8.071

Minimum discharge, 114 ft³/s (3.23 m³/s) Aug. 14, gage height, 14.43 ft (4.398 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	564	593	881	574	501	794	6800	540	524	362	182	166
2	418	528	670	556	490	617	4750	527	527	343	180	154
3	348	473	584	537	490	550	1620	522	499	365	217	148
4	317	451	532	540	485	563	1910	506	422	362	265	140
5	293	434	493	548	483	687	2270	490	403	326	263	136
6	278	420	483	540	475	791	3180	485	387	314	223	138
7	286	406	2040	631	455	1080	2380	462	382	295	195	154
8	1420	399	2840	797	440	963	1290	450	377	281	178	166
9	8550	392	2300	732	435	747	1090	498	377	258	162	639
10	16800	381	1010	2490	437	653	970	687	360	250	158	517
11	7830	377	815	3030	440	603	897	532	351	241	144	449
12	2580	388	1060	1490	437	582	836	472	346	241	134	358
13	1190	437	1490	951	447	1610	785	452	372	241	126	319
14	933	437	1230	875	496	1030	744	442	405	228	118	267
15	790	995	1470	1520	485	747	713	432	535	219	114	288
16	691	957	3200	1310	447	648	698	422	519	214	114	437
17	628	656	3330	929	432	595	667	415	704	206	186	1090
18	609	545	1770	782	427	561	639	405	648	190	283	948
19	568	496	1000	707	425	543	617	401	488	186	278	556
20	539	465	854	676	417	561	642	398	869	114	252	406
21	547	452	897	634	415	693	603	415	932	164	219	341
22	532	437	967	609	405	2170	569	470	522	152	188	300
23	490	408	785	584	401	2560	563	480	483	146	243	276
24	468	389	715	569	442	1470	645	467	460	162	214	258
25	461	382	667	579	569	938	747	485	442	164	197	250
26	515	377	707	582	558	806	603	501	408	152	190	245
27	636	379	827	582	480	727	556	509	522	148	178	236
28	536	447	732	582	888	687	537	490	454	148	305	241
29	471	1080	665	574	---	839	519	457	439	160	247	252
30	446	1190	620	540	---	3070	527	440	401	184	210	254
31	527	---	590	516	---	5750	---	496	---	184	176	---
TOTAL	51261	15771	36224	26566	13302	34635	39367	14748	14558	7000	6139	10129
MEAN	1654	526	1169	857	475	1117	1312	476	485	226	198	338
MAX	16800	1190	3330	3030	888	5750	6800	687	932	365	305	1090
MIN	278	377	483	516	401	543	519	398	346	114	114	136
CAL YR 1976	TOTAL	276130	MEAN 754	MAX 16800	MIN 168							
WTR YR 1977	TOTAL	269700	MEAN 739	MAX 16800	MIN 114							

SANTÉE RIVER BASIN

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, 106 micromhos Nov. 9, 1976; minimum, 26 micromhos Oct. 9, 1976.

DISSOLVED OXYGEN: Maximum, 14.4 mg/l Jan. 20, 1976; minimum, 5.2 mg/l July 10, 1974.

WATER TEMPERATURE: Maximum, 30.0°C July 20, 21, Aug. 8, 10, 11, 13, 1977; minimum, 0.5°C Jan. 19, 20, 1977.

pH: Maximum, 7.6 units Sept. 2, 1977; minimum, 5.6 units Sept. 18, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 106 micromhos Nov. 9; minimum, 26 micromhos Oct. 9.

DISSOLVED OXYGEN: Maximum, 13.0 mg/l Jan. 4; minimum, 6.6 mg/l July 31.

WATER TEMPERATURE: Maximum, 30.0°C July 20, 21, Aug. 8, 10, 11, 13; minimum 0.5°C Jan. 19, 20.

pH: Maximum, 7.6 units Sept. 2; minimum, 5.6 units Sept. 18.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	62	60	61	66	65	66	56	53	54	62	60	61
2	61	59	60	65	64	64	60	56	58	62	60	61
3	66	61	64	64	63	63	62	60	61	65	60	61
4	68	66	67	64	63	63	64	61	62	61	59	60
5	69	68	68	67	64	66	66	63	64	60	59	59
6	69	68	69	67	66	67	66	60	65	62	59	61
7	68	66	67	67	67	67	54	45	48	62	60	61
8	67	38	54	94	67	72	44	43	44	60	57	59
9	38	26	32	106	87	100	49	44	46	59	48	57
10	32	27	30	85	70	75	53	49	51	47	40	44
11	39	32	35	70	68	69	57	53	55	43	40	41
12	45	39	44	70	68	69	57	53	55	50	43	47
13	47	45	46	70	68	69	61	40	51	55	50	53
14	51	47	49	69	67	68	62	41	50	56	55	55
15	54	51	52	69	48	57	57	42	49	55	48	51
16	56	54	55	60	56	58	45	36	40	52	49	51
17	58	56	57	62	60	61	45	38	43	54	52	53
18	59	58	58	65	62	63	51	43	48	55	54	55
19	60	59	60	67	65	66	55	50	53	56	55	56
20	61	59	60	68	67	68	57	55	56	58	56	58
21	61	60	60	69	68	69	61	49	55	59	58	59
22	62	60	61	69	68	69	57	51	53	59	58	59
23	63	62	62	69	69	69	58	53	55	59	59	59
24	64	63	63	69	68	69	59	56	58	60	59	59
25	64	64	64	69	68	68	60	57	59	59	58	59
26	67	64	65	71	68	69	60	57	59	58	58	58
27	64	59	62	71	70	71	59	54	56	60	58	59
28	61	59	61	70	65	69	57	54	55	60	59	60
29	64	61	62	64	57	60	58	56	57	61	60	60
30	65	63	64	57	53	55	60	56	58	61	60	60
31	68	65	67	---	---	---	61	59	60	61	61	61

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DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	61	60	61	49	47	48	31	31	31	64	62	63
2	62	59	60	51	49	50	41	32	35	60	58	58
3	61	59	60	55	51	53	44	41	42	59	58	58
4	61	60	60	57	55	56	44	40	41	58	57	58
5	65	60	62	56	54	56	42	37	40	61	58	59
6	65	62	63	54	50	52	37	35	36	62	60	61
7	62	61	62	49	47	48	43	37	40	64	61	62
8	62	55	58	50	49	49	46	44	45	64	62	63
9	55	54	54	50	47	48	48	46	47	63	63	63
10	57	54	56	50	48	49	49	48	48	63	55	58
11	57	56	57	52	50	51	49	49	49	58	55	56
12	57	56	57	53	50	52	50	49	49	61	58	60
13	57	57	57	44	35	40	50	49	50	64	61	62
14	57	55	56	47	43	45	52	50	51	65	64	64
15	57	55	56	49	47	48	54	51	53	65	64	65
16	55	54	54	50	49	50	55	53	54	66	65	66
17	56	54	55	53	50	52	55	55	55	66	64	65
18	57	56	56	54	53	54	56	55	55	64	62	63
19	57	56	57	55	54	55	55	54	55	64	62	63
20	58	56	57	55	54	54	55	53	53	65	64	64
21	58	56	57	55	41	53	57	53	55	66	65	66
22	57	55	56	43	38	40	57	56	57	66	65	66
23	56	55	55	40	37	39	59	56	57	66	65	65
24	59	55	56	45	41	43	59	57	58	66	58	62
25	59	55	58	48	45	47	57	51	55	58	56	57
26	57	55	56	50	48	49	56	53	54	59	57	57
27	57	56	57	52	50	51	56	54	55	61	58	59
28	57	47	53	52	51	52	58	55	56	61	60	61
29	---	---	---	52	44	50	60	57	59	62	60	61
30	---	---	---	43	32	35	64	60	63	62	60	61
31	---	---	---	31	30	30	---	---	---	61	56	59

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	60	58	59	65	63	64	74	73	74	72	63	68
2	59	56	57	67	65	66	75	72	74	68	65	66
3	59	58	59	66	65	66	74	69	71	70	68	69
4	60	58	58	66	65	65	71	65	68	71	69	70
5	63	60	62	65	64	64	69	65	67	72	71	71
6	63	61	62	64	64	64	73	69	71	72	70	71
7	63	62	63	64	63	64	74	71	73	72	69	70
8	63	61	62	65	64	64	76	73	74	69	65	66
9	61	60	60	67	65	66	78	74	76	65	45	56
10	63	61	62	68	66	67	79	76	77	53	46	49
11	64	62	63	67	67	67	79	75	77	58	53	55
12	64	63	63	68	66	67	79	74	76	57	53	55
13	64	61	63	67	67	67	80	76	78	61	56	58
14	63	62	62	67	66	67	82	79	80	62	55	58
15	62	55	59	69	67	68	83	79	81	57	56	56
16	59	55	56	72	69	71	82	79	80	57	56	57
17	59	47	55	73	71	72	82	76	80	55	36	45
18	56	48	52	74	73	73	78	67	71	46	44	45
19	59	55	57	74	73	74	70	67	69	52	46	49
20	59	44	54	75	74	75	74	69	72	56	52	55
21	45	40	42	75	73	74	76	71	73	57	56	57
22	53	46	49	73	72	72	77	73	75	59	56	58
23	58	53	55	75	73	74	84	76	80	61	59	60
24	61	59	60	75	74	75	88	63	72	64	61	62
25	62	61	62	75	73	74	67	64	66	64	63	63
26	63	62	63	75	74	74	71	68	70	65	64	64
27	64	52	59	76	74	75	72	69	71	65	64	65
28	61	53	58	74	72	73	72	69	71	65	64	64
29	61	59	60	73	71	72	68	66	67	65	63	64
30	60	59	59	74	71	73	68	67	68	67	63	65
31	---	---	---	74	73	74	72	69	71	---	---	---
YEAR	106	26	60									

SANTEE RIVER BASIN

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

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.2	7.7	7.9	9.6	9.3	9.5	11.2	10.5	10.9	9.7	9.4	9.5
2	8.5	8.2	8.4	10.0	9.6	9.8	11.5	11.1	11.3	9.9	9.6	9.7
3	8.7	8.5	8.6	10.2	9.9	10.1	11.6	11.3	11.4	9.8	9.6	9.7
4	8.7	8.5	8.6	10.2	10.0	10.1	11.6	11.4	11.5	13.0	9.6	11.2
5	8.7	8.5	8.6	10.2	10.0	10.1	11.6	11.4	11.5	12.9	12.2	12.6
6	8.7	8.5	8.6	10.5	10.1	10.3	11.6	11.3	11.4	12.2	11.9	12.0
7	8.5	8.1	8.4	10.5	10.3	10.4	11.3	10.9	11.0	11.9	11.7	11.8
8	8.2	7.6	8.0	10.4	10.2	10.3	10.9	10.8	10.8	12.3	11.7	12.0
9	7.5	7.0	7.2	10.7	10.2	10.5	11.1	10.8	10.9	12.4	12.0	12.1
10	7.7	7.4	7.5	10.5	10.1	10.4	11.6	10.4	11.0	12.3	12.1	12.2
11	8.0	7.7	7.9	10.2	10.0	10.1	10.6	10.4	10.5	12.5	12.1	12.3
12	8.7	7.8	8.2	10.0	9.7	9.9	10.6	10.2	10.4	12.8	12.3	12.5
13	8.9	8.7	8.8	10.3	9.7	10.1	10.5	10.1	10.3	12.7	12.4	12.6
14	8.8	8.7	8.7	10.5	10.2	10.3	10.8	10.2	10.5	12.4	11.9	12.1
15	8.8	8.7	8.7	10.6	10.2	10.4	11.0	10.8	10.9	12.3	11.9	12.1
16	8.9	8.7	8.8	10.3	10.1	10.2	10.8	10.2	10.5	12.0	11.7	11.8
17	8.7	8.5	8.6	10.3	10.1	10.2	10.3	10.1	10.2	12.4	11.9	12.2
18	9.2	8.7	9.0	10.4	10.2	10.3	10.5	10.2	10.4	12.6	12.4	12.5
19	9.5	9.3	9.4	10.4	10.2	10.3	10.6	10.4	10.5	12.8	12.6	12.4
20	9.5	9.3	9.5	10.3	10.0	10.2	10.5	10.3	10.4	12.8	12.5	12.7
21	9.8	9.4	9.7	10.1	9.9	10.0	10.5	10.1	10.3	12.7	12.4	12.6
22	9.9	9.7	9.8	10.5	9.9	10.3	10.6	10.2	10.4	12.6	12.5	12.5
23	10.0	9.8	9.9	11.2	10.6	10.9	10.8	10.5	10.7	12.6	12.5	12.6
24	9.9	9.6	9.8	11.4	11.0	11.3	10.9	10.6	10.7	12.6	12.4	12.4
25	9.6	9.0	9.3	11.3	11.0	11.2	11.0	10.7	10.8	12.4	12.1	12.3
26	9.0	8.8	8.9	11.1	10.8	11.0	10.8	10.3	10.6	12.3	12.0	12.1
27	9.2	8.9	9.0	10.8	10.4	10.7	10.6	10.3	10.5	11.9	11.6	11.8
28	9.6	9.2	9.4	10.4	9.8	10.1	10.6	9.8	10.4	11.6	11.2	11.4
29	10.0	9.6	9.9	9.8	9.6	9.7	9.8	9.4	9.6	11.8	11.2	11.6
30	10.0	9.8	9.9	10.5	9.7	10.1	9.9	9.5	9.7	12.2	11.9	12.1
31	9.8	9.3	9.5	---	---	---	9.8	9.4	9.6	12.2	12.0	12.1

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

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

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

DAY	MAX	MIN	MFAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.7	7.5	7.6	7.5	7.0	7.4	7.0	6.7	6.8	7.3	6.9	7.0
2	7.6	7.5	7.5	7.7	7.4	7.6	7.1	6.8	7.0	7.5	7.1	7.3
3	7.7	7.6	7.6	7.7	7.5	7.6	7.4	7.1	7.3	7.4	7.0	7.3
4	7.8	7.6	7.7	7.7	7.4	7.6	7.9	7.4	7.6	7.5	7.2	7.3
5	7.6	7.2	7.4	7.6	7.4	7.5	7.6	7.2	7.5	7.5	7.1	7.3
6	7.5	7.2	7.4	7.6	7.2	7.4	7.4	7.0	7.2	7.5	7.0	7.3
7	7.7	7.3	7.6	7.5	7.1	7.3	7.3	6.9	7.1	7.4	7.1	7.2
8	8.2	7.8	8.0	7.6	7.1	7.3	7.2	6.9	7.1	7.3	7.1	7.2
9	8.3	8.0	8.2	7.7	7.2	7.4	7.3	6.9	7.1	7.4	7.0	7.2
10	8.4	8.1	8.2	7.7	7.3	7.5	7.3	6.9	7.1	7.2	7.1	7.2
11	8.4	8.0	8.2	7.9	7.5	7.7	7.3	7.0	7.1	7.4	7.2	7.3
12	8.1	7.6	8.0	7.8	7.4	7.6	7.4	7.0	7.2	7.8	7.5	7.7
13	7.9	7.5	7.7	7.7	7.3	7.5	7.4	7.0	7.2	8.1	7.8	7.9
14	7.6	7.4	7.5	8.0	7.3	7.5	7.5	7.0	7.2	7.9	7.6	7.8
15	7.5	7.4	7.5	7.6	7.2	7.4	7.4	6.9	7.2	7.8	7.6	7.7
16	7.5	7.4	7.4	7.6	7.2	7.4	7.2	6.9	7.0	7.7	7.6	7.6
17	7.5	7.4	7.4	7.6	7.2	7.4	7.2	6.8	7.0	7.7	7.3	7.4
18	7.5	7.5	7.5	7.8	7.3	7.5	7.4	6.8	7.1	7.5	7.4	7.4
19	7.5	7.2	7.4	7.6	7.1	7.4	7.7	7.3	7.5	7.5	7.3	7.4
20	7.3	7.0	7.2	7.5	7.1	7.3	7.6	6.9	7.2	7.4	7.3	7.4
21	7.5	7.1	7.3	7.5	7.1	7.3	7.5	7.0	7.2	7.6	7.4	7.5
22	7.6	7.4	7.5	7.6	7.1	7.4	7.2	6.8	7.0	7.9	7.6	7.8
23	7.7	7.4	7.5	7.7	7.3	7.5	---	---	---	8.1	7.9	8.0
24	7.7	7.4	7.5	7.9	7.5	7.7	7.3	7.2	7.2	8.2	7.9	8.1
25	7.7	7.2	7.4	7.8	7.4	7.6	7.4	7.2	7.3	8.1	7.8	8.0
26	7.5	7.3	7.4	7.7	7.4	7.6	7.4	7.2	7.3	7.8	7.6	7.7
27	7.5	7.2	7.3	7.7	7.1	7.4	7.3	7.1	7.2	7.8	7.6	7.7
28	7.4	7.1	7.3	7.5	7.1	7.4	7.2	7.0	7.1	7.8	7.6	7.7
29	7.4	7.1	7.3	7.7	7.5	7.6	7.2	7.0	7.1	8.3	7.8	8.1
30	7.4	7.2	7.3	7.5	7.0	7.3	7.1	6.9	7.0	8.3	8.0	8.2
31	---	---	---	7.1	6.6	6.9	7.1	6.9	7.0	---	---	---
YEAR	13.0	6.3	9.1									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MFAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.5	19.0	20.0	12.0	10.5	11.0	8.0	5.5	7.0	6.0	4.0	5.0
2	19.5	18.5	19.0	11.0	9.5	10.0	6.0	5.0	5.5	4.0	3.5	3.5
3	19.5	17.5	18.5	10.5	8.5	9.5	5.5	4.5	5.0	3.5	3.5	3.5
4	20.0	18.0	19.0	10.5	8.5	9.5	5.0	4.0	4.5	4.5	3.5	4.0
5	20.0	18.0	19.0	9.5	8.0	9.0	5.5	4.0	5.0	6.5	4.5	5.5
6	19.5	17.5	18.5	8.5	7.0	8.0	6.0	5.5	5.5	7.0	6.5	7.0
7	20.0	19.0	19.5	9.0	7.0	8.0	7.0	6.0	6.5	7.5	6.5	7.0
8	20.5	20.0	20.5	9.0	7.5	8.0	7.0	7.0	7.0	6.5	5.5	6.0
9	20.5	19.0	19.5	8.0	6.5	7.0	6.5	5.5	6.0	6.0	5.0	5.5
10	19.0	18.0	18.5	10.0	7.5	8.5	6.0	5.5	5.5	5.0	4.0	5.0
11	18.0	16.5	17.0	10.5	8.5	9.5	7.5	6.5	7.0	4.0	3.0	3.0
12	16.0	15.0	15.5	10.5	10.0	10.5	9.5	7.5	9.0	2.5	2.0	2.5
13	16.0	15.0	15.5	9.5	8.0	8.5	10.0	9.5	10.0	3.0	2.5	2.5
14	16.5	15.5	16.0	8.0	7.0	7.5	9.5	8.0	8.5	4.0	3.0	3.5
15	16.5	15.0	15.5	7.5	6.0	7.0	8.0	7.0	8.0	5.0	4.0	4.5
16	16.5	15.0	16.0	8.5	7.5	8.0	9.0	8.0	8.5	4.5	4.0	4.5
17	16.5	15.0	16.0	9.0	8.5	9.0	9.0	8.0	8.5	3.5	1.5	2.5
18	15.0	13.5	14.0	9.5	8.0	8.5	8.5	8.0	8.5	2.0	1.0	1.5
19	13.5	12.5	13.0	10.0	8.5	9.0	9.0	8.0	8.5	1.5	0.5	1.0
20	13.5	12.5	13.0	10.5	9.5	10.0	9.5	8.5	9.0	2.0	0.5	1.0
21	13.0	11.5	12.0	11.5	10.0	10.5	9.0	7.0	8.0	2.0	1.0	1.5
22	12.5	10.5	11.5	10.0	7.5	9.0	7.0	5.0	6.0	2.5	1.0	1.5
23	12.5	10.5	11.5	7.5	6.0	6.5	5.0	4.0	4.5	2.0	1.0	1.5
24	13.0	11.5	12.0	7.0	5.5	6.0	4.5	4.0	4.0	2.0	2.0	2.0
25	14.5	13.0	13.5	7.5	5.5	6.5	4.0	3.5	4.0	3.5	2.0	2.5
26	15.5	14.0	14.5	8.0	6.5	7.5	5.5	4.0	5.0	4.0	2.0	3.0
27	14.5	13.0	14.0	10.0	8.0	9.0	5.5	5.0	5.5	5.5	3.5	4.5
28	13.0	11.0	12.0	12.5	10.0	11.5	6.5	5.5	6.0	6.0	5.0	5.5
29	11.0	9.5	10.5	13.0	11.5	12.5	7.0	6.0	6.5	5.0	3.0	4.0
30	11.0	9.5	10.0	11.0	8.0	9.5	5.5	5.0	5.5	3.5	2.0	3.0
31	12.5	11.0	11.5	---	---	---	7.0	5.5	6.5	4.0	3.0	3.5

SANTÉE RIVER BASIN

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	24.5	22.5	23.5	27.5	25.5	26.5	27.5	25.5	26.5	27.5	25.0	26.5
2	24.5	22.5	23.5	27.5	25.0	26.0	26.5	24.5	26.0	27.5	24.0	25.5
3	24.5	22.0	23.0	27.0	25.0	26.0	24.5	23.0	24.0	28.0	24.5	26.0
4	24.5	21.5	23.0	27.5	24.5	26.0	25.0	23.0	24.0	26.5	24.5	25.5
5	25.0	22.0	23.5	27.5	25.0	26.5	27.0	23.5	25.0	27.5	24.5	26.0
6	25.5	22.5	24.0	28.0	25.5	27.0	28.5	25.0	26.5	27.5	24.5	26.0
7	24.0	22.0	23.0	29.0	26.5	27.5	29.5	26.0	27.5	27.0	25.0	26.0
8	22.5	20.0	21.5	29.5	26.5	27.5	30.0	26.5	28.0	26.0	24.5	25.0
9	23.0	20.0	21.5	29.5	26.5	28.0	29.5	26.0	27.5	24.5	23.5	24.0
10	22.5	19.0	20.5	29.0	26.5	27.5	30.0	26.5	28.0	25.0	23.5	24.0
11	22.5	19.5	21.0	28.5	25.5	27.0	30.0	26.5	28.0	25.0	23.0	24.0
12	24.0	20.5	22.0	28.0	25.5	27.0	29.5	26.0	28.0	24.0	21.5	23.0
13	25.0	22.0	23.5	29.0	26.0	27.5	30.0	26.0	27.5	23.0	21.0	22.0
14	25.0	23.0	24.0	29.0	26.5	27.5	29.0	26.0	27.5	24.5	22.5	23.5
15	25.0	23.5	24.0	29.5	27.0	28.0	29.0	26.0	27.5	25.0	23.0	24.0
16	25.0	23.5	24.0	29.5	26.5	27.5	29.0	26.5	27.5	24.5	23.0	23.5
17	24.5	22.5	23.5	29.5	27.0	28.0	28.5	26.5	27.5	23.5	23.0	23.0
18	24.0	22.5	23.5	29.0	16.0	26.5	27.0	24.0	25.5	24.0	23.0	23.5
19	25.5	23.0	24.0	29.5	26.0	27.5	25.5	23.0	24.0	24.5	23.5	24.0
20	25.5	23.5	24.5	30.0	26.5	28.5	25.0	23.0	24.0	26.0	23.5	24.5
21	24.5	23.0	24.0	30.0	26.5	28.5	26.5	23.0	24.5	25.5	23.0	24.0
22	26.0	24.0	25.0	28.0	26.5	27.5	27.0	23.5	25.0	24.5	22.5	23.5
23	26.0	24.0	25.0	29.0	25.5	27.0	27.5	24.5	26.0	24.0	21.5	22.5
24	26.0	24.5	25.0	28.0	24.0	25.5	26.5	24.5	25.5	23.0	21.0	22.0
25	27.0	24.5	25.5	27.5	24.0	25.5	27.0	24.5	25.5	23.5	21.5	22.5
26	27.0	25.0	26.0	26.5	24.5	25.5	26.0	25.0	25.5	24.5	22.5	23.5
27	26.5	25.0	25.5	26.5	24.0	25.5	26.5	25.0	26.0	25.0	22.5	23.5
28	27.5	25.0	26.0	25.0	23.5	24.0	27.5	25.5	26.0	24.5	22.5	23.5
29	27.5	25.5	26.5	23.5	23.0	23.5	27.0	24.5	26.0	22.5	20.5	21.5
30	26.5	25.5	26.0	26.5	23.0	25.0	28.0	25.0	26.0	21.0	20.5	21.0
31	---	---	---	28.0	25.0	26.5	28.0	25.0	26.5	---	---	---
YEAR	30.0	0.5	16.0									

SANTÉE RIVER BASIN

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

pH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6.7	6.4	6.5	6.7	6.5	6.6	6.9	6.8	6.8	6.8	6.7	6.7
2	6.6	6.5	6.6	7.0	6.6	6.7	6.9	6.7	6.8	6.8	6.7	6.7
3	6.7	6.6	6.6	6.7	6.6	6.6	7.0	6.7	6.8	6.8	6.7	6.7
4	6.7	6.6	6.7	6.7	6.6	6.6	7.0	6.8	6.9	6.8	6.6	6.7
5	6.8	6.7	6.7	6.6	6.5	6.6	7.0	6.7	6.9	6.8	6.7	6.7
6	6.9	6.7	6.8	6.6	6.5	6.6	6.9	6.7	6.8	6.9	6.6	6.7
7	6.8	6.7	6.7	6.6	6.5	6.5	6.7	6.4	6.5	6.9	6.7	6.8
8	6.7	6.0	6.4	6.6	6.5	6.5	6.4	6.3	6.4	6.8	6.6	6.7
9	6.1	5.7	5.9	6.5	6.4	6.5	6.5	6.0	6.4	6.7	6.5	6.7
10	5.9	5.7	5.8	6.9	6.4	6.5	6.5	6.3	6.4	6.5	6.3	6.4
11	6.0	5.8	5.9	6.8	6.4	6.5	6.5	6.4	6.5	6.4	6.2	6.3
12	6.2	5.9	6.0	6.8	6.3	6.6	6.5	6.3	6.4	6.5	6.3	6.4
13	6.2	6.1	6.2	6.4	6.3	6.3	6.6	6.4	6.5	6.6	6.5	6.5
14	6.4	6.2	6.3	6.6	6.2	6.3	6.6	6.5	6.5	6.6	6.5	6.6
15	6.5	6.3	6.4	6.6	5.9	6.2	6.6	6.3	6.5	6.7	6.5	6.6
16	6.5	6.4	6.4	6.5	6.3	6.4	6.5	6.2	6.3	6.6	6.5	6.5
17	6.5	6.4	6.5	6.6	6.3	6.5	6.5	6.2	6.3	6.5	6.4	6.5
18	6.7	6.5	6.5	7.1	6.6	6.8	6.6	6.3	6.4	6.6	6.5	6.5
19	6.6	6.5	6.6	7.1	6.7	6.8	6.7	6.4	6.5	6.7	6.5	6.6
20	6.7	6.6	6.6	6.9	6.7	6.7	6.7	6.4	6.4	6.7	6.5	6.6
21	6.6	6.5	6.6	7.1	6.7	6.8	6.9	6.4	6.6	6.7	6.4	6.6
22	6.9	6.6	6.6	6.9	6.8	6.8	6.6	6.5	6.5	6.6	6.4	6.5
23	6.7	6.6	6.6	6.9	6.8	6.9	6.6	6.5	6.5	6.6	6.4	6.6
24	6.9	6.6	6.6	7.0	6.7	6.9	6.7	6.6	6.6	6.7	6.4	6.6
25	6.6	6.6	6.6	7.3	6.8	7.0	6.8	6.6	6.6	6.8	6.5	6.7
26	6.6	6.6	6.6	7.2	6.7	6.8	7.0	6.5	6.7	6.6	6.4	6.5
27	6.9	6.5	6.7	6.7	6.7	6.7	7.0	6.7	6.8	6.9	6.5	6.7
28	6.6	6.5	6.5	6.7	6.6	6.7	6.9	6.6	6.6	6.8	6.6	6.8
29	6.9	6.5	6.7	7.0	6.6	6.7	6.9	6.7	6.8	6.7	6.4	6.6
30	6.8	6.3	6.5	7.0	6.6	6.9	6.9	6.7	6.7	6.5	6.3	6.4
31	6.7	6.2	6.4	---	---	---	7.0	6.6	6.7	6.4	6.4	6.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN			
	FEBRUARY				MARCH				APRIL				MAY		
1	6.6	6.2	6.4	6.8	6.3	6.6	6.1	6.0	6.0	6.9	6.8	6.8			
2	6.7	5.8	6.3	6.8	6.7	6.7	6.3	6.1	6.2	7.1	7.0	7.0			
3	6.7	6.5	6.6	6.8	6.8	6.8	6.4	6.2	6.3	7.2	6.9	7.0			
4	6.9	6.6	6.7	6.8	6.7	6.7	6.6	6.4	6.5	7.1	7.0	7.1			
5	6.9	6.5	6.7	7.0	6.8	6.9	6.6	6.4	6.5	7.2	7.0	7.1			
6	6.8	6.6	6.7	6.9	6.6	6.8	6.4	6.3	6.3	7.1	6.9	7.0			
7	6.8	6.5	6.7	6.8	6.6	6.7	6.4	6.2	6.3	7.0	6.9	7.0			
8	6.7	6.2	6.4	6.8	6.6	6.7	6.7	6.4	6.5	7.0	6.9	7.0			
9	6.8	6.5	6.6	6.8	6.5	6.6	6.6	6.6	6.6	7.1	6.9	7.0			
10	6.9	6.4	6.7	6.7	6.5	6.5	6.7	6.6	6.6	6.9	6.8	6.8			
11	6.9	6.5	6.8	6.5	6.4	6.5	6.9	6.7	6.8	7.0	6.7	6.8			
12	6.9	6.4	6.7	6.6	6.5	6.5	7.0	6.7	6.9	7.0	6.8	6.9			
13	7.0	6.7	6.9	6.7	6.0	6.4	7.0	6.8	6.9	7.1	6.8	6.9			
14	7.0	6.9	6.9	6.8	6.4	6.6	7.0	6.8	6.9	7.0	6.9	7.0			
15	7.0	6.9	6.9	6.9	6.5	6.7	7.0	6.7	6.9	7.1	6.9	7.0			
16	7.0	6.9	7.0	7.0	6.6	6.7	6.8	6.7	6.8	7.1	6.9	7.0			
17	7.0	6.7	6.9	6.7	6.6	6.6	6.8	6.7	6.7	7.1	6.8	6.9			
18	6.9	6.6	6.8	6.9	6.6	6.7	6.8	6.7	6.8	7.1	6.9	7.0			
19	6.9	6.5	6.7	6.8	6.6	6.7	6.8	6.7	6.8	7.1	6.9	7.0			
20	7.0	6.6	6.9	6.7	6.6	6.7	6.8	6.6	6.7	7.1	6.9	7.0			
21	6.8	6.5	6.6	6.7	6.4	6.6	6.8	6.7	6.8	7.0	6.9	6.9			
22	7.0	6.5	6.7	6.3	6.2	6.3	6.8	6.7	6.8	7.0	6.8	6.9			
23	6.9	6.4	6.8	6.3	6.2	6.3	6.8	6.6	6.7	7.0	6.8	6.8			
24	7.1	6.6	6.8	6.5	6.4	6.4	6.8	6.7	6.8	6.9	6.8	6.8			
25	7.0	6.9	7.0	6.7	6.5	6.6	6.8	6.6	6.7	6.9	6.8	6.9			
26	7.0	6.8	6.9	6.8	6.6	6.7	6.8	6.6	6.7	6.9	6.9	6.9			
27	7.0	6.8	6.9	6.8	6.7	6.8	6.8	6.4	6.7	7.0	6.9	6.9			
28	6.9	6.7	6.8	6.9	6.7	6.8	7.0	6.8	6.9	7.0	6.9	6.9			
29	---	---	---	6.9	6.6	6.8	7.0	6.8	6.9	7.1	6.9	7.0			
30	---	---	---	6.6	6.1	6.3	6.9	6.8	6.8	7.0	6.9	7.0			
31	---	---	---	6.2	6.0	6.1	---	---	---	7.0	6.7	6.9			

SANTÉE RIVER BASIN

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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, 112 micromhos Aug. 5, 1976; minimum, 34 micromhos May 15, 20, July 16, 1975.

DISSOLVED OXYGEN: Maximum, 13.9 mg/l Jan. 21, 22, 1976; minimum, 4.9 mg/l July 26, 1977.

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

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 101 micromhos July 29; minimum, 38 micromhos April 1.

DISSOLVED OXYGEN: Maximum, 13.6 mg/l Jan. 16; minimum, 4.9 mg/l July 26.

WATER TEMPERATURE: Maximum, 32.5°C July 11, 16; minimum, 0.5°C Jan. 19-21.

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	81	71	76	82	78	80	62	60	61	70	68	69
2	76	74	75	82	80	81	62	59	61	70	69	69
3	73	67	69	79	75	78	66	62	64	70	68	69
4	71	67	69	75	72	73	70	66	69	69	67	68
5	75	72	74	76	72	73	75	69	73	67	65	66
6	80	75	77	79	75	77	77	75	75	68	65	66
7	79	75	78	78	74	76	76	52	64	72	68	70
8	84	77	80	78	76	77	52	47	50	76	72	74
9	79	43	55	82	78	80	48	46	47	74	69	72
10	42	39	40	84	80	82	52	49	51	69	48	58
11	---	---	---	83	81	82	57	52	55	48	45	46
12	---	---	---	81	80	80	61	57	60	---	---	---
13	---	---	---	86	82	84	60	56	57	63	60	61
14	---	---	---	88	84	86	57	55	56	67	63	65
15	---	---	---	88	65	84	59	52	57	69	67	68
16	---	---	---	66	61	64	51	46	49	67	62	65
17	---	---	---	67	65	66	46	45	46	65	62	64
18	---	---	---	74	68	72	50	46	48	66	65	65
19	74	73	74	79	73	76	55	50	52	67	66	66
20	75	73	74	81	79	80	58	55	57	69	67	68
21	72	54	66	86	80	84	61	58	59	72	69	71
22	75	72	74	87	84	85	61	60	60	76	72	75
23	78	74	75	87	84	86	63	60	61	76	75	75
24	80	78	79	84	82	83	65	63	64	78	76	77
25	79	78	79	82	80	81	67	65	66	78	76	77
26	81	79	80	85	78	81	68	67	67	76	73	74
27	82	79	81	88	85	86	67	64	66	72	71	72
28	79	72	76	90	86	88	64	60	62	74	72	73
29	75	71	73	89	74	84	61	59	60	78	73	76
30	76	74	75	74	63	68	63	60	61	80	78	79
31	78	75	76	---	---	---	68	63	66	81	80	81

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

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

[illegible]

SANTÉE RIVER BASIN

107

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

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.6	7.4	7.5	10.1	9.8	9.9	10.6	9.6	10.1	11.9	11.7	11.8
2	7.9	7.5	7.7	10.1	9.8	10.0	11.2	10.6	11.0	12.1	11.8	11.9
3	8.1	7.9	8.0	10.3	10.1	10.2	11.8	11.2	11.5	12.5	12.5	12.3
4	8.1	7.9	8.0	10.4	8.8	10.1	12.3	11.8	12.1	12.7	12.5	12.6
5	8.1	7.8	8.0	10.7	10.2	10.4	12.3	12.0	12.1	12.7	12.6	12.6
6	8.0	7.8	7.9	10.8	10.6	10.7	12.0	11.5	11.8	12.7	12.2	12.5
7	8.1	7.7	8.0	10.9	10.7	10.8	11.8	11.4	11.6	12.2	11.8	12.0
8	8.0	7.8	7.9	11.1	10.8	10.9	12.7	11.8	12.0	11.8	11.6	11.7
9	7.7	6.5	7.0	11.3	11.0	11.1	11.9	11.5	11.7	12.0	11.7	11.9
10	10.2	6.7	7.6	11.3	10.9	11.1	11.8	11.3	11.6	12.6	11.9	12.1
11	---	---	---	10.9	10.6	10.8	11.6	11.4	11.5	12.6	12.5	12.5
12	---	---	---	10.7	10.4	10.5	11.5	11.1	11.4	---	---	---
13	---	---	---	10.3	10.2	10.3	11.1	10.8	11.0	12.7	11.8	12.5
14	---	---	---	10.8	10.2	10.6	11.2	10.6	10.9	13.2	12.9	13.1
15	---	---	---	11.0	10.7	10.9	11.7	10.8	11.1	13.3	13.0	13.2
16	---	---	---	10.7	10.3	10.5	11.4	11.2	11.3	13.6	12.3	13.0
17	---	---	---	10.2	9.8	10.0	11.3	10.8	11.1	12.6	12.4	12.5
18	---	---	---	10.2	9.8	10.0	10.9	10.7	10.8	12.8	12.5	12.7
19	9.6	8.8	9.1	10.2	10.0	10.0	11.0	10.6	10.8	13.0	12.8	12.9
20	9.6	9.1	9.3	10.0	9.7	9.9	11.0	10.9	11.0	13.2	13.0	13.1
21	9.7	9.5	9.6	9.7	9.5	9.6	11.2	10.9	11.0	13.2	13.0	13.1
22	9.9	9.5	9.7	9.7	9.4	9.6	12.4	11.3	11.6	13.2	13.1	13.1
23	10.2	9.9	10.1	10.6	9.7	10.1	12.1	11.8	12.0	13.2	13.0	13.1
24	10.2	9.9	10.1	11.0	10.5	10.8	12.4	12.1	12.3	13.2	12.7	13.0
25	10.0	9.5	9.8	11.4	11.0	11.1	12.4	12.2	12.3	13.0	12.9	12.9
26	9.6	9.2	9.4	11.4	11.0	11.2	12.5	12.3	12.4	13.0	12.8	12.9
27	9.3	9.1	9.2	11.1	10.5	10.8	12.4	12.2	12.3	12.8	12.4	12.6
28	9.7	9.3	9.5	10.4	9.7	10.1	12.3	12.1	12.2	12.5	12.1	12.3
29	10.0	9.6	9.8	9.5	8.5	9.1	12.1	11.9	12.0	12.1	11.8	11.9
30	10.1	10.0	10.1	9.6	8.5	9.0	12.3	11.7	11.8	12.3	11.9	12.1
31	10.3	10.0	10.2	---	---	---	12.0	11.9	12.0	12.6	12.3	12.5

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

SANTEE RIVER BASIN

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

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.4	7.0	7.3	6.7	6.2	6.4	6.2	5.9	6.1	7.0	6.5	6.7
2	7.4	6.9	7.2	6.7	6.0	6.4	6.3	6.1	6.2	7.4	6.5	6.9
3	7.1	6.3	7.0	6.7	6.3	6.5	6.5	6.0	6.3	7.2	6.5	6.8
4	7.3	7.0	7.2	6.7	6.3	6.5	6.5	6.2	6.4	7.2	6.5	6.8
5	7.5	7.1	7.3	7.0	6.1	6.5	6.5	5.9	6.3	7.1	6.4	6.7
6	7.7	7.1	7.3	6.6	6.0	6.3	6.5	5.7	6.2	6.9	6.4	6.7
7	7.4	6.6	7.1	6.8	6.2	6.5	6.5	5.7	6.2	6.9	6.5	6.7
8	8.3	7.0	7.6	7.0	6.3	6.6	6.6	6.0	6.3	6.8	6.5	6.7
9	8.1	7.4	7.7	7.3	6.4	6.8	6.4	5.7	6.0	6.9	6.3	6.7
10	7.8	7.6	7.7	7.8	6.2	7.0	6.6	5.7	6.2	7.1	6.9	7.0
11	8.0	7.4	7.7	9.0	5.9	7.4	6.9	5.5	6.2	6.9	6.9	6.9
12	7.6	7.2	7.4	7.1	6.0	6.6	6.5	5.8	6.1	7.0	6.9	7.0
13	8.0	7.1	7.4	7.0	5.8	6.4	6.4	5.6	6.0	7.1	6.9	7.0
14	7.3	6.8	7.1	6.9	5.8	6.4	6.3	5.7	6.0	7.2	6.9	7.1
15	7.1	6.6	6.8	7.0	5.8	6.4	6.3	5.6	5.9	7.1	6.5	6.9
16	7.0	6.7	6.8	7.5	5.7	6.6	6.3	5.4	5.8	7.3	7.0	7.1
17	6.8	6.5	6.7	7.0	6.1	6.6	6.1	5.4	5.8	7.4	7.1	7.2
18	6.6	6.0	6.3	7.8	5.8	6.8	5.8	5.3	5.7	7.5	7.3	7.4
19	6.6	6.2	6.4	7.6	6.2	6.9	6.0	5.7	5.9	7.2	7.1	7.1
20	6.5	6.2	6.3	7.7	6.1	6.9	6.4	6.1	6.2	7.1	6.8	7.0
21	6.6	6.2	6.3	7.4	6.0	6.7	6.7	6.2	6.4	7.0	6.8	6.9
22	6.5	6.3	6.4	6.7	6.0	6.4	6.6	6.3	6.5	7.0	6.9	6.9
23	6.5	6.2	6.4	7.6	6.1	6.8	6.7	5.7	6.4	7.1	7.0	7.0
24	6.7	6.2	6.4	8.8	6.0	7.4	6.6	5.9	6.3	7.2	6.9	7.1
25	6.7	6.3	6.5	7.6	6.0	6.8	6.5	5.9	6.3	7.3	7.0	7.2
26	6.6	6.3	6.5	6.3	4.9	5.6	6.5	6.1	6.3	7.4	7.2	7.3
27	6.6	6.3	6.5	6.8	5.2	6.0	6.9	6.3	6.6	7.4	7.0	7.2
28	6.6	6.3	6.4	6.4	6.1	6.3	6.6	6.2	6.4	7.3	7.1	7.2
29	6.7	6.3	6.5	6.5	6.1	6.3	6.8	6.1	6.5	7.2	7.0	7.1
30	6.7	6.3	6.5	6.7	6.2	6.5	6.8	6.3	6.5	7.5	7.1	7.3
31	---	---	---	6.8	6.3	6.6	6.9	6.3	6.7	---	---	---
YEAR	13.6	4.9	9.1									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.5	20.5	21.0	13.0	12.0	12.5	9.5	8.0	9.0	6.0	5.0	5.5
2	21.0	20.0	20.5	12.5	11.5	12.0	8.0	7.0	7.5	5.0	4.0	4.5
3	21.0	19.5	20.0	12.5	11.0	11.5	7.0	6.0	6.5	4.0	3.5	4.0
4	21.0	19.5	20.0	12.5	11.0	11.5	6.0	5.5	5.5	3.5	3.0	3.0
5	22.0	19.5	20.5	11.5	10.0	10.5	6.0	5.0	5.5	5.0	3.5	4.0
6	21.5	19.5	20.5	10.5	9.5	10.0	6.0	6.0	6.0	5.5	4.5	5.0
7	21.5	20.5	21.0	11.0	9.5	10.0	7.0	6.0	6.5	7.0	5.5	6.0
8	21.5	20.5	21.0	10.0	9.0	9.5	7.0	6.5	7.0	6.5	6.0	6.0
9	21.0	19.5	20.0	9.5	8.5	9.0	7.0	6.5	7.0	6.0	5.5	6.0
10	19.0	18.5	19.0	11.0	8.5	9.5	6.5	6.0	6.5	5.5	4.0	5.0
11	---	---	---	11.0	9.5	10.0	7.0	6.5	7.0	4.0	3.5	4.0
12	---	---	---	10.5	10.0	10.5	8.5	7.0	7.5	---	---	---
13	---	---	---	10.5	9.5	10.0	9.5	8.5	9.0	3.0	3.0	3.0
14	---	---	---	9.5	8.5	9.0	9.0	8.5	9.0	2.5	2.0	2.5
15	---	---	---	9.0	8.0	8.5	8.5	8.0	8.5	2.5	1.5	2.0
16	---	---	---	8.5	8.0	8.0	9.0	8.0	8.5	6.0	1.0	3.5
17	---	---	---	9.0	8.5	8.5	9.0	8.5	8.5	3.5	1.5	2.5
18	---	---	---	10.0	8.5	9.0	9.0	8.5	8.5	2.5	1.5	2.0
19	15.5	15.0	15.0	10.0	9.0	9.5	9.0	8.5	8.5	2.0	0.5	1.0
20	15.0	14.0	14.5	10.0	9.5	10.0	9.0	8.5	9.0	1.5	0.5	1.0
21	14.5	13.5	13.5	11.0	10.0	10.5	8.5	7.5	8.0	2.0	0.5	1.0
22	14.5	13.0	13.5	10.5	9.5	10.0	7.5	6.0	6.5	2.0	1.0	1.5
23	14.0	12.5	13.0	9.5	8.0	9.0	6.0	5.0	5.5	2.0	1.0	1.5
24	13.5	12.5	13.0	9.0	8.0	8.5	5.0	4.0	4.5	1.5	1.5	1.5
25	14.5	13.0	14.0	9.0	7.5	8.0	4.5	4.0	4.0	2.5	1.5	2.0
26	15.0	14.0	14.5	8.0	8.0	8.0	5.0	4.0	4.5	3.5	2.0	2.5
27	15.0	14.5	14.5	9.0	8.0	8.5	5.5	4.5	5.0	5.0	3.0	4.0
28	14.5	13.0	14.0	10.5	9.0	10.0	5.5	5.0	5.5	5.5	4.5	5.0
29	13.5	12.5	13.0	11.5	10.5	11.0	6.0	5.5	5.5	5.0	3.5	4.5
30	12.5	12.0	12.0	11.0	10.0	10.5	6.0	5.0	5.5	4.5	3.5	4.0
31	13.0	12.0	12.5	---	---	---	7.0	5.5	6.0	4.5	3.5	3.5

SANTÉE RIVER BASIN

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

pH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

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pH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

[illegible]

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) above mean sea level.

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.--52 years, 6,220 ft³/s (176.2 m³/s), 17.42 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 flood-marks), 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 (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 11	0530	*146,000 4,130	*23.67 7.215	Dec. 17	0500	35,400 1,000	10.07 3.069
Dec. 8	2100	36,500 1,030	10.30 3.139	Apr. 1	0900	71,700 2,030	15.71 4.788

Minimum daily, 1,380 ft³/s (39.1 m³/s) Aug. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5110	4650	11900	5480	4840	6940	68300	5300	4500	3920	1860	2110
2	6900	5100	8540	5520	4090	6040	43800	5450	4400	3270	2520	1520
3	5830	5130	7090	4610	4600	5450	25600	4030	4000	3690	2840	1480
4	4050	3530	5520	5420	4680	5210	16900	4420	3600	3730	3000	2210
5	2940	5250	4870	5570	4640	5430	18900	5030	3400	3020	3290	1410
6	2720	4890	4780	5550	4650	7970	28600	4500	3000	2640	2020	2170
7	3290	4190	15700	5500	4490	13800	28900	4080	3000	3060	2920	1830
8	5180	3400	33300	6220	4440	13700	18000	4770	3600	2440	1870	1970
9	41000	3850	29300	7270	4350	9920	12200	5000	3200	2000	1810	6760
10	109000	3710	16300	19400	3830	7860	10000	4000	3400	2540	1860	10600
11	137000	3340	10200	27900	3840	7200	8770	4370	3000	2600	2160	4330
12	66900	3650	12400	19800	4450	5710	8140	3900	2600	2760	1950	4590
13	21700	3910	18200	11700	4430	20000	7520	4080	2800	2320	1660	2520
14	10400	4380	15900	8390	4410	21700	7050	3700	3400	2460	2100	3950
15	8070	8020	13500	10300	4260	15800	6640	3780	3600	2420	1840	2040
16	6840	13900	28800	11900	4570	9530	6510	3460	3800	2520	1630	4340
17	6210	9960	33200	9670	5230	7440	6330	3550	3800	2120	2260	7370
18	6020	7110	21800	7690	3630	7170	5510	3080	4200	1900	2400	18900
19	5420	4180	13700	6730	4010	6560	6060	3300	3600	2360	3020	12000
20	5300	4410	9500	6030	4350	5990	5670	4080	4000	2120	2700	8220
21	5370	4310	8410	5900	3850	7330	5710	3280	3600	1780	2260	5530
22	5140	4410	8670	5880	3820	21600	5460	3200	3000	1820	2200	4090
23	4250	4320	7770	5580	4060	26100	4540	3550	3200	1570	1780	3750
24	4660	3190	7060	5030	4350	17700	5920	4080	3600	2080	1860	2660
25	4390	4020	6160	5340	4440	10900	5990	3980	3940	1990	1380	3040
26	4080	3550	6570	5340	4820	8180	5870	4170	3970	2100	2720	2850
27	5340	4000	7210	5760	5210	7340	6170	3750	4670	1630	1700	3390
28	6040	4580	7520	5630	6530	6480	5840	4420	3730	1890	2460	2750
29	4430	9140	6640	4840	---	6380	4500	4450	3380	2240	2300	2620
30	4170	15600	6040	5250	---	19500	5060	3800	3210	2640	2710	3330
31	4100	---	5950	4930	---	49400	---	3650	---	2000	2450	---
TOTAL	511850	163680	392500	250130	124870	370330	394460	126210	107200	75630	69530	136330
MEAN	16510	5456	12660	8069	4460	11950	13150	4071	3573	2440	2243	4544
MAX	137000	15600	33300	27900	6530	49400	68300	5450	4670	3920	3290	18900
MIN	2720	3190	4780	4610	3630	5210	4500	3080	2600	1570	1380	1410
CFSM	3.40	1.13	2.61	1.66	.92	2.46	2.71	.84	.74	.50	.46	.94
IN.	3.93	1.26	3.01	1.92	.96	2.84	3.03	.97	.82	.58	.53	1.05

CAL YR 1976	TOTAL	2752680	MEAN	7521	MAX	137000	MIN	1750	CFSM	1.55	IN	21.11
WTR YR 1977	TOTAL	2722720	MEAN	7460	MAX	137000	MIN	1380	CFSM	1.54	IN	20.88

SANTÉE RIVER BASIN

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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), revised.

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 good, except periods of no gage-height record Mar. 29 to May 12 and July 28 to Sept. 30, which are poor.

AVERAGE DISCHARGE.--10 years, 47.7 ft³/s (1.351 m³/s) 13.25 in/yr (337 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)
Nov. 15	1245	1,970 55.8	10.63 3.240	Mar. 13	1415	*3,990 113	*15.97 4.868
Nov. 28	2345	1,490 42.20	9.13 2.783	Mar. 22	0400	2,540 71.9	12.26 3.737
Dec. 12	1000	2,400 68.0	11.85 3.612				

Minimum daily, 1.4 ft³/s (0.040 m³/s) July 21,22, 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	16	6A	31	30	60	160	24	10	4.4	14	2.5
2	12	15	5n	28	30	44	130	22	8.6	5.1	10	2.5
3	9.4	14	4n	32	29	39	110	20	7.2	4.4	26	2.0
4	8.2	14	3A	42	31	81	150	22	6.1	4.1	18	2.0
5	7.5	15	3n	40	31	104	400	22	5.4	4.1	6.0	2.0
6	6.9	16	3n	34	28	241	220	18	5.4	4.1	4.0	3.5
7	7.9	16	663	115	27	646	100	17	7.9	3.7	3.0	6.0
8	16	19	165	64	29	152	70	15	6.1	3.0	3.0	11
9	149	19	7A	82	28	82	55	14	5.1	2.6	2.5	6.0
10	31	17	55	1120	27	61	50	13	4.4	2.8	2.5	4.0
11	15	17	63	180	26	58	46	12	3.7	2.4	2.0	3.5
12	11	22	123n	97	27	56	42	11	3.4	2.6	2.0	3.0
13	9.4	25	34n	70	28	2330	40	11	3.7	2.8	1.5	3.0
14	9.0	53	12n	80	27	276	38	11	6.1	4.8	2.0	4.0
15	8.2	1220	54A	116	27	159	34	11	7.9	3.4	4.0	6.0
16	7.5	213	311	76	27	123	32	9.8	9.0	3.4	300	100
17	22	97	12n	58	27	106	31	9.4	9.0	3.0	40	250
18	24	53	7A	53	27	97	29	9.0	9.4	2.6	20	170
19	13	39	5A	61	27	86	28	9.0	8.2	2.2	13	60
20	563	33	5A	58	27	224	27	8.6	12	1.8	10	40
21	104	29	5A	43	28	250	26	8.6	9.8	1.4	8.0	70
22	45	25	4n	40	28	1140	25	9.8	6.9	1.4	7.0	24
23	28	21	37	38	28	197	25	9.0	14	1.8	6.0	22
24	20	19	3A	37	84	123	50	9.0	12	2.4	5.0	20
25	18	19	3A	43	59	95	32	11	53	1.4	4.5	18
26	19	19	18n	40	40	76	26	16	12	14	4.0	46
27	16	35	8A	37	117	64	24	21	8.3	21	3.5	100
28	14	376	5A	38	130	60	23	12	6.5	3.7	3.5	80
29	14	601	47	38	---	162	22	9.8	5.5	3.0	3.0	55
30	14	124	37	33	---	800	24	9.0	4.4	2.0	2.5	44
31	16	---	35	32	---	340	---	14	---	2.0	2.5	---
TOTAL	1254.0	3201	4781	2856	1074	8332	2069	418.0	271.0	121.4	533.0	1070.0
MEAN	40.5	107	154	92.1	38.4	269	69.0	13.5	9.03	3.92	17.2	35.7
MAX	563	1220	1230	1120	130	2330	400	24	53	21	300	250
MIN	6.9	14	3n	28	26	39	22	8.6	3.4	1.4	1.5	2.0
CFSM	.83	2.19	3.15	1.88	.79	5.50	1.41	.28	.19	.08	.35	.73
IN.	.95	2.44	3.64	2.17	.82	6.34	1.57	.32	.21	.09	.41	.81

CAL YR 1976 TOTAL 21024.6 MEAN 57.4 MAX 1260 MIN 3.0 CFSM 1.17 IN 15.99
WTR YR 1977 TOTAL 25980.4 MEAN 71.2 MAX 2330 MIN 1.4 CFSM 1.46 IN 19.76

SANTEE RIVER BASIN

02162093 SMITH BRANCH AT NORTH MAIN STREET AT COLUMBIA, S.C.

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

DRAINAGE AREA.--5.67 mi² (14.69 km²).

PERIOD OF RECORD.--Current year.

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

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,150 ft³/s (32.6 m³/s) Dec. 12, gage height, 7.46 ft (2.274 m); minimum, 1.6 ft³/s (0.045 m³/s) July 4, 9, 13-15, 17-18, 21, 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	3.4	7.4	6.8	4.9	4.5	5.4	3.1	5.8	2.4	93	2.4
2	2.6	3.1	6.5	7.0	4.8	4.3	5.2	3.1	3.1	2.4	114	2.6
3	2.4	3.1	5.2	22	5.0	4.5	5.3	3.1	2.9	2.1	108	2.6
4	2.3	3.1	5.4	7.8	5.0	16	4.9	3.9	2.9	1.9	8.5	2.4
5	2.1	3.1	5.3	7.4	4.9	4.8	27	3.1	2.9	1.9	4.9	3.1
6	2.6	3.0	24	8.8	4.6	37	5.0	3.1	5.8	2.3	3.9	2.4
7	7.0	2.9	69	25	4.6	26	4.6	2.9	3.1	2.6	3.4	2.9
8	72	2.9	15	7.5	4.6	7.1	4.5	2.9	3.1	2.4	2.9	3.7
9	47	3.1	8.5	86	4.7	6.1	4.2	3.9	3.1	2.1	2.9	2.7
10	5.2	3.2	6.9	92	4.6	5.6	4.1	2.9	3.1	1.9	3.4	2.6
11	4.1	3.1	32	12	4.6	11	4.1	2.9	2.9	2.1	2.9	2.4
12	3.6	11	285	10	4.6	9.8	3.9	2.9	2.9	2.9	3.1	2.3
13	3.4	3.8	25	8.8	4.8	53	3.9	2.9	26	3.1	2.9	2.3
14	3.2	62	13	16	4.8	7.8	3.9	2.9	49	1.8	20	2.3
15	3.1	72	81	8.9	5.0	6.6	3.9	2.9	5.8	1.9	3.9	38
16	3.0	12	18	7.8	5.0	6.0	3.9	2.9	28	1.9	2.7	37
17	47	6.9	12	7.0	5.0	5.4	3.9	2.7	7.7	1.8	2.9	4.9
18	5.0	5.5	11	6.9	5.1	5.2	3.9	2.7	5.8	1.8	2.9	3.1
19	3.7	4.9	9.9	6.4	5.1	5.0	3.7	2.7	62	1.9	2.9	2.9
20	124	4.7	13	6.4	5.0	25	3.7	2.7	25	1.9	2.7	2.6
21	11	4.7	8.5	6.3	5.0	95	3.7	2.6	7.3	1.9	2.4	2.6
22	5.9	4.3	7.9	5.8	5.0	69	3.7	2.7	11	2.1	2.4	2.6
23	4.7	4.1	8.0	5.6	5.0	11	8.5	2.6	13	1.9	2.4	2.6
24	4.3	4.1	7.5	8.7	23	8.5	3.9	2.6	7.3	1.8	7.7	2.4
25	5.4	4.1	24	6.3	4.6	7.3	3.4	12	7.3	1.9	2.4	2.4
26	5.7	12	40	5.7	4.3	6.6	3.4	3.7	8.5	13	59	4.7
27	3.7	10	9.4	5.5	19	6.1	3.1	3.1	8.5	2.1	6.5	6.9
28	3.4	80	8.6	6.2	5.2	6.0	3.1	2.9	4.1	1.9	3.1	2.6
29	3.5	26	7.8	5.1	---	26	3.1	2.9	9.3	40	3.1	2.3
30	4.0	11	7.3	5.0	---	6.8	3.1	2.9	3.4	2.7	2.7	2.7
31	4.5	---	7.3	5.0	---	5.9	---	2.9	---	2.1	2.6	---
TOTAL	402.2	377.1	790.1	425.7	167.8	498.9	148.0	101.1	330.6	114.5	486.1	204.7
MEAN	13.0	12.6	25.5	13.7	5.99	16.1	4.93	3.26	11.0	3.69	15.7	6.82
MAX	124	80	285	92	23	95	27	12	62	40	114	38
MIN	2.1	2.9	5.3	5.0	4.3	4.3	3.1	2.6	2.9	1.8	2.4	2.3

WTR YR 1977 TOTAL 4046.8 MEAN 11.1 MAX 285 MIN 1.8

02162500 SALUDA RIVER NEAR GREENVILLE, S.C.

LOCATION.--Lat 34°50'32", long 82°28'51", Pickens County, Hydrologic Unit 03050109, on right bank 700 ft (213 m) upstream from bridge on State Road 124, 1.6 mi (2.6 km) downstream from Saluda Lake Dam, 2.4 mi (3.9 km) upstream from Georges Creek, 4.6 mi (7.4 km) west of city hall in Greenville, and at mile 132.0 (212.4 km).

DRAINAGE AREA.--295 mi² (764 km²), revised.

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1303. Prior to October 1948, published as "near West Greenville."

GAGE.--Water-stage recorder. Datum of gage is 797.48 ft (243.072 m) above mean sea level.

REMARKS.--Records good. Some regulation at low and medium flow by powerplant at Saluda Lake. Capacity of reservoir insufficient to affect monthly figures of runoff. About 40,582,970 gal (153,600 m³) per day or 62.8 ft³/s (1.78 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 below station near Greenville.

AVERAGE DISCHARGE.--36 years, 646 ft³/s (18.29 m³/s) 29.94 in/yr (760 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft³/s (312 m³/s) Oct. 7, 1949, gage height, 19.38 ft (5.907 m), from rating curve extended above 7,500 ft³/s (212 m³/s) on basis of computation of peak flow over dam at Saluda Lake; minimum, 28 ft³/s (0.79 m³/s) Feb. 1, 1956, gage height, 1.65 ft (0.503 m); minimum daily, 70 ft³/s (1.98 m³/s) Oct. 16, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,800 ft³/s (79.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 9	1500	2,880 81.6	6.31 1.923
Mar. 30	2030	*6,310 179	*11.38 3.469

Minimum discharge, 37 ft³/s (1.05 m³/s) Nov. 7, gage height 1.74 ft (0.530 m); minimum daily, 210 ft³/s (5.95 m³/s) Aug. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	820	700	742	649	509	723	2580	698	604	289	224	273
2	533	680	602	617	493	593	1690	691	526	330	224	253
3	445	458	581	603	497	566	1740	677	451	317	224	235
4	403	493	545	621	497	603	2020	670	420	297	228	231
5	375	536	522	598	502	855	2320	680	324	277	228	231
6	357	495	463	612	502	774	2380	644	332	277	224	231
7	800	404	1980	763	484	840	1820	621	403	265	224	297
8	2290	550	1630	707	477	749	1490	599	385	257	224	2610
9	2710	404	970	704	472	665	1350	544	372	253	224	3120
10	2350	453	841	1050	470	630	1250	569	359	273	224	771
11	1200	497	742	1010	470	607	1180	523	353	281	224	744
12	840	422	806	787	474	614	1140	505	342	269	228	554
13	710	329	847	724	559	1550	1070	490	342	257	228	455
14	551	386	790	745	608	1970	1020	501	378	242	228	785
15	552	410	1430	1030	521	1280	965	491	486	231	228	843
16	518	395	1970	920	493	986	931	483	390	231	224	1580
17	494	344	1270	804	490	883	843	517	290	228	224	1760
18	812	285	1020	741	477	708	878	513	350	228	357	1470
19	718	289	895	651	471	723	862	498	378	231	379	903
20	601	277	893	668	470	786	826	383	374	228	261	750
21	450	338	1060	609	466	818	792	434	346	228	269	620
22	481	389	841	597	454	1310	769	494	331	217	273	543
23	440	394	750	582	452	1050	831	536	391	245	253	430
24	430	379	712	586	564	909	1110	492	383	242	210	430
25	433	372	682	607	610	758	903	496	360	253	228	420
26	764	380	846	594	546	731	832	496	351	249	242	411
27	923	442	852	573	573	704	754	451	359	235	393	402
28	754	664	770	559	867	687	722	493	327	253	343	406
29	560	1470	704	550	---	927	704	508	313	242	242	375
30	494	1080	662	536	---	4360	697	523	309	242	249	357
31	559	---	686	524	---	5100	---	533	---	235	293	---
TOTAL	24367	14715	28157	21321	14468	34459	36469	16753	11329	7902	7824	22490
MEAN	786	491	902	688	517	1112	1216	540	378	255	252	750
MAX	2710	1470	1980	1050	867	5100	2580	698	604	330	393	3120
MIN	357	277	463	524	452	566	697	383	290	217	210	231
CFSM	2.66	1.66	3.08	2.33	1.75	3.77	4.12	1.83	1.28	.86	.85	2.54
IN.	3.07	1.86	3.55	2.69	1.82	4.35	4.60	2.11	1.43	1.00	.99	2.84
CAL YR 1976	TOTAL	288104	MEAN	787	MAX	3740	MIN	260	CFSM	2.67	IN	36.33
WTR YR 1977	TOTAL	240254	MEAN	658	MAX	5100	MIN	210	CFSM	2.23	IN	30.30

SANTEE RIVER BASIN

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), revised.

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

REVISED RECORDS.--WSP 892: 1939. WSP 1433: 1940-41, 1943-45.

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

REMARKS.--Records good, except for period of no gage-height record Mar. 30 to Apr. 13, which is poor. Some regulation at low and medium flow by powerplants above. Capacity of reservoirs insufficient to affect monthly figures of runoff. Diversion by City of Greenville (see sta. 02162500).

AVERAGE DISCHARGE.--39 years, 1,026 ft³/s (29.06 m³/s), 23.98 in/yr (609 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.--Peaks discharges above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 9	0100	*10,800 306	*16.47 5.020
Mar. 31	1500	10,200 289	15.98 4.870

Minimum daily, 165 ft³/s (4.67 m³/s) July 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1070	698	1560	885	845	1200	6690	1100	972	513	370	356
2	810	820	990	795	840	1220	4200	1200	880	469	316	352
3	514	725	845	1080	680	792	2770	1210	788	504	383	334
4	577	595	734	905	820	892	3280	1090	721	531	469	302
5	581	487	707	935	766	1090	4390	1020	712	576	400	320
6	361	581	870	830	790	1160	3990	1080	807	558	380	410
7	482	514	2740	1050	890	1470	3270	972	662	482	360	392
8	5400	653	3330	1160	805	1440	2600	972	671	491	360	1880
9	8730	563	2100	950	770	1090	2170	1060	635	504	360	3490
10	4930	478	1540	3130	748	983	2020	1050	662	473	360	2890
11	2950	491	1060	2070	795	950	1790	885	657	491	360	885
12	1830	676	1320	1720	568	937	1840	860	740	536	380	1060
13	1440	554	1780	1300	885	1100	1710	900	740	531	380	725
14	1180	482	1530	1270	920	1970	1600	851	617	451	360	603
15	761	716	1860	1560	855	2140	1390	831	870	311	380	962
16	631	780	3770	1620	860	1620	1180	1010	626	352	360	2110
17	640	496	2630	1570	785	1340	1320	841	1130	361	340	2460
18	757	568	1750	1210	711	1160	1260	826	626	419	550	1980
19	514	482	1280	1190	699	934	1250	1040	689	165	650	1640
20	653	442	1570	905	666	901	1310	817	836	186	460	1040
21	698	393	1610	985	801	1320	1120	875	712	269	440	846
22	734	595	1530	875	802	2440	1200	826	612	290	460	744
23	379	563	1210	860	682	2190	1190	1030	617	281	360	644
24	496	523	1020	1040	744	1600	1310	988	594	244	320	558
25	559	536	1010	985	1030	1400	1450	941	635	338	340	473
26	689	550	1180	965	909	1290	1350	788	694	281	352	594
27	870	514	1270	865	979	984	1220	812	513	298	392	540
28	920	800	1350	935	1370	1180	1130	821	540	264	451	545
29	545	1790	930	850	---	1380	1200	870	603	361	500	554
30	613	2050	1010	845	---	5670	1050	916	545	334	365	482
31	653	---	875	875	---	9260	---	821	---	325	298	---
TOTAL	41967	20115	46961	36215	23015	53103	62250	29303	21106	12189	12256	30171
MEAN	1354	671	1515	1168	822	1713	2075	945	704	393	395	1006
MAX	8730	2050	3770	3130	1370	9260	6690	1210	1130	576	650	3490
MIN	361	393	707	795	568	792	1050	788	513	165	298	302
CFSM	2.33	1.16	2.61	2.01	1.42	2.95	3.57	1.63	1.21	.68	.68	1.73
IN.	2.69	1.29	3.01	2.32	1.47	3.40	3.99	1.88	1.35	.78	.78	1.93

CAL YR 1976 TOTAL 447751 MEAN 1223 MAX 8730 MIN 307 CFSM 2.11 IN 28.67
WTR YR 1977 TOTAL 388651 MEAN 1065 MAX 9260 MIN 165 CFSM 1.83 IN 24.88

Santee River Basin

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02165000 REEDY RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34°26'40", long 82°10'35", Laurens County, Hydrologic Unit 03050109, on left bank 1.9 mi (3.1 km) downstream from dam at Boyd's Mill, 4.5 mi (7.2 km) upstream from Walnut Creek, 5.0 mi (8.0 km) northeast of Ware Shoals, and at mile 12.8 (20.6 km).

DRAINAGE AREA.--226 mi² (585 km²), revised.

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.

GAGE.--Water-stage recorder. Datum of gage is 480.62 ft (146.493 m) above mean sea level.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Diversion into basin by City of Greenville below station near Greenville (see sta. 02162500).

AVERAGE DISCHARGE.--38 years, 347 ft³/s (9.827 m³/s), 20.85 in/yr (530 mm/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)
Oct. 9	0700	*6,870 195	*9.67 2.947	Dec. 16	1830	2,580 73.1	4.47 1.362
Dec. 8	1030	2,560 72.5	4.45 1.356	Mar. 31	1800	5,760 163	8.09 2.466

Minimum daily, 31 ft³/s (0.88 m³/s) July 24, Aug. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	296	511	312	248	511	3040	340	333	182	211	280
2	240	292	467	252	252	410	1140	329	511	51	282	76
3	240	280	455	256	325	474	870	320	322	135	269	46
4	236	272	335	256	335	468	1250	317	299	170	261	42
5	236	264	260	365	256	468	1720	315	286	153	191	61
6	120	260	375	437	260	474	2000	308	282	151	53	252
7	153	252	993	443	375	404	947	307	278	148	48	280
8	940	320	2120	443	449	612	724	301	278	145	194	272
9	6150	308	754	473	330	492	626	299	273	137	282	585
10	4220	224	511	1390	256	480	556	295	269	132	265	368
11	1170	123	467	1540	194	474	517	289	261	137	261	299
12	578	156	479	683	68	357	486	292	261	130	130	290
13	498	240	940	530	260	362	458	291	127	161	47	285
14	443	244	634	530	479	584	443	290	53	222	39	276
15	419	260	1070	890	462	362	428	287	269	269	31	277
16	200	386	2100	714	450	383	435	284	295	161	122	293
17	170	461	1290	524	438	362	406	279	282	47	237	465
18	304	375	627	479	265	357	392	275	278	170	265	371
19	191	252	511	467	71	347	390	273	273	261	164	295
20	264	252	473	461	82	362	379	277	265	257	48	285
21	260	256	662	455	388	556	371	281	261	145	44	262
22	256	244	592	449	462	1310	352	296	249	44	265	271
23	256	236	479	443	450	1590	361	297	230	37	290	132
24	248	236	467	437	347	678	548	297	135	31	282	54
25	248	236	455	316	253	530	436	300	52	145	148	82
26	252	236	455	252	261	468	363	311	99	265	94	200
27	292	236	461	256	415	432	347	304	249	257	123	257
28	292	248	455	370	797	410	338	299	290	167	216	276
29	276	578	449	449	---	543	336	297	269	48	167	266
30	268	910	443	443	---	2690	334	293	261	42	170	189
31	268	---	437	330	---	5230	---	291	---	37	292	---
TOTAL	19928	8933	20727	15645	9228	23180	20993	9234	7590	4437	5491	7387
MEAN	643	298	669	505	330	748	700	298	253	143	177	246
MAX	6150	910	2120	1540	797	5230	3040	340	511	269	292	585
MIN	120	123	260	252	68	347	334	273	52	31	31	42
CFSM	2.85	1.32	2.96	2.24	1.46	3.31	3.10	1.32	1.12	.63	.78	1.09
IN.	3.28	1.47	3.41	2.58	1.52	3.82	3.46	1.52	1.25	.73	.90	1.22

CAL YR 1976 TOTAL 170004 MEAN 464 MAX 6150 MIN 33 CFSM 2.05 IN 27.98
WTR YR 1977 TOTAL 152773 MEAN 419 MAX 6150 MIN 31 CFSM 1.85 IN 25.15

Santee River Basin

02165200 SOUTH RABON CREEK NEAR GRAY COURT, S.C.

LOCATION.--Lat 34°31'12", long 82°09'26", Laurens County, Hydrologic Unit 03050109, on left bank, 125 ft (38 m) upstream from U.S. Highway 76, 2.5 mi (4.0 km) upstream from North Rabon Creek and 7.0 mi (11.3 km) southwest of Gray Court

DRAINAGE AREA.--29.5 mi² (76.4 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 548.37 ft (167.143 m) above mean sea level.

REMARKS.--Records fair. Recording rain gage located at station.

AVERAGE DISCHARGE.--10 years, 43.4 ft³/s (1.229 m³/s), 19.98 in/yr (508 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,100 ft³/s (116 m³/s) Sept. 14, 1973, gage height, 9.86 ft (3.005 m); minimum daily, 7.0 ft³/s (0.20 m³/s) July 9-13, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft³/s (14.2 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 9	0500	*1,490 42.2	*4.60 1.402
Mar. 30	1945	1,450 41.1	4.53 1.381

Minimum daily, 8.5 ft³/s (0.241 m³/s) July 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	28	42	36	34	53	102	35	25	14	11	10
2	18	26	32	34	34	45	79	35	23	16	11	9.7
3	17	25	34	36	34	41	94	33	23	14	19	9.4
4	16	24	33	37	34	44	125	33	22	10	19	9.4
5	16	23	31	36	34	49	291	33	21	13	13	9.7
6	16	23	33	35	33	48	113	31	21	12	12	9.7
7	26	23	312	51	32	69	77	30	23	12	11	9.7
8	217	22	102	42	32	56	65	30	21	12	11	21
9	865	22	64	73	32	48	58	29	20	11	10	20
10	111	22	40	267	33	45	55	28	19	11	10	14
11	63	22	44	92	33	42	52	28	19	11	10	12
12	48	26	83	63	33	41	48	28	19	11	10	11
13	38	25	93	53	37	70	46	27	19	10	9.7	10
14	33	23	60	76	34	49	45	26	28	10	9.4	15
15	29	46	257	107	33	44	44	26	29	9.7	9.4	20
16	27	39	155	67	32	42	44	25	23	9.7	9.4	44
17	28	32	80	54	31	39	41	25	22	9.4	18	32
18	28	29	50	48	31	39	39	24	21	9.1	23	20
19	26	28	51	44	31	38	39	24	21	8.8	14	17
20	27	28	52	42	31	43	39	29	32	8.8	12	15
21	27	27	67	40	30	63	38	29	23	8.5	11	14
22	24	26	42	39	30	205	37	28	19	8.8	10	13
23	23	24	45	38	30	86	39	28	19	9.7	9.7	13
24	23	24	42	39	40	63	43	32	19	9.7	9.7	13
25	26	24	40	39	38	53	38	33	18	9.7	9.4	12
26	29	24	55	39	33	48	36	30	17	10	12	13
27	25	27	47	40	92	46	35	29	16	10	13	13
28	23	37	43	40	84	44	34	29	16	12	11	14
29	22	95	40	39	---	89	33	26	15	13	10	12
30	24	57	32	36	---	735	34	25	15	13	10	12
31	36	---	32	36	---	315	---	26	---	12	10	---
TOTAL	1950	901	2182	1718	1035	2692	1863	894	628	338.9	367.7	447.6
MEAN	62.9	30.0	70.4	55.4	37.0	86.8	62.1	28.8	20.9	10.9	11.9	14.9
MAX	865	95	312	267	92	735	291	35	32	16	23	44
MIN	16	22	31	34	30	38	33	24	15	8.5	9.4	9.4
CFSM	2.13	1.02	2.39	1.88	1.25	2.94	2.11	.98	.71	.37	.40	.51
IN.	2.46	1.14	2.75	2.17	1.31	3.39	2.35	1.13	.79	.43	.46	.56

CAL YR 1976	TOTAL	16503.0	MEAN 45.1	MAX 865	MIN	12	CFSM 1.53	IN 20.81
WTR YR 1977	TOTAL	15017.2	MEAN 41.1	MAX 865	MIN	8.5	CFSM 1.39	IN 18.94

Santee River Basin

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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 Chappelle.

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 at mean sea level (levels by Dan T. Duncan Engineering Co.) Prior to June 11, 1940, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by earth dam; storage began in May 1940; dam completed in 1940. Usable capacity, about 7,640,000,000 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) above mean sea level. 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) above mean sea level. 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, 441.13 ft (134.456 m) Apr. 5; minimum, 431.73 ft (131.591 m) Jan. 6.

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

431.0 ft (131.37 m)	3.70 ft 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, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	437.57	433.36	433.00	432.60	433.37	436.50	440.91	439.64	439.47	439.45	438.48	438.81
2	437.70	433.04	433.20	432.63	433.32	436.58	440.98	439.55	439.48	439.36	438.61	438.86
3	437.77	433.19	432.91	432.36	433.52	436.67	440.88	439.54	439.45	439.41	438.88	438.85
4	437.71	433.01	433.00	432.05	433.79	436.58	440.96	439.41	439.57	439.47	438.98	438.87
5	437.52	432.58	433.04	431.95	434.00	436.71	440.87	439.48	439.69	439.43	439.05	438.89
6	437.26	432.65	432.90	431.84	434.22	436.99	440.95	439.50	439.41	439.48	439.08	438.82
7	437.07	432.60	433.60	431.99	434.37	437.08	440.99	439.60	439.52	439.42	439.10	438.50
8	439.57	432.27	434.27	432.46	434.47	437.01	440.83	439.71	439.37	439.47	439.12	438.37
9	440.93	432.43	434.17	433.04	434.68	437.19	440.54	439.52	439.46	439.41	439.16	438.72
10	440.93	432.54	433.77	434.12	434.87	437.16	440.21	439.61	439.56	439.42	439.05	438.90
11	440.93	432.43	433.34	434.27	434.98	436.98	439.83	439.48	439.64	439.43	439.02	439.04
12	440.60	432.37	433.83	434.00	434.99	437.25	439.45	439.41	439.76	439.42	439.00	438.84
13	440.17	432.44	433.97	433.54	435.05	437.56	439.05	439.50	439.46	439.40	438.99	438.56
14	439.67	432.68	433.66	433.22	435.17	437.33	438.62	439.52	439.36	439.28	438.97	438.24
15	439.10	433.16	433.76	433.07	435.33	437.13	438.22	439.60	439.42	439.01	438.98	438.23
16	438.49	433.08	434.53	433.54	435.44	437.03	438.03	439.56	439.51	439.04	438.94	438.25
17	437.86	432.76	434.75	433.47	435.36	437.25	438.22	439.52	439.42	439.07	439.01	438.14
18	437.26	432.86	434.54	433.39	435.26	437.15	438.37	439.43	439.50	438.81	439.06	438.41
19	436.59	432.78	434.64	433.13	435.40	437.32	438.64	439.60	439.51	438.76	439.12	438.35
20	435.95	432.88	434.76	432.89	435.50	437.57	438.85	439.70	439.50	438.62	439.14	438.28
21	435.28	432.95	434.32	432.67	435.51	437.71	438.87	439.86	439.47	438.32	439.15	438.13
22	434.76	432.83	433.92	432.97	435.76	438.10	438.95	439.85	439.48	438.35	439.12	437.90
23	434.75	432.74	433.41	433.11	435.85	438.19	438.82	439.67	439.42	438.34	439.16	437.52
24	434.77	432.75	432.88	433.10	435.70	437.90	439.04	439.63	439.48	438.32	439.12	437.51
25	434.49	432.70	433.02	432.91	435.83	437.50	439.08	439.65	439.42	438.36	438.90	437.55
26	434.25	432.68	433.28	433.02	436.05	437.11	439.27	439.45	439.48	438.42	438.96	437.28
27	433.94	432.75	433.12	433.02	436.36	437.41	439.13	439.60	439.33	438.38	438.96	436.93
28	433.65	433.01	433.07	432.79	436.42	437.67	439.35	439.58	439.31	438.42	439.02	436.84
29	433.24	433.12	432.88	432.99	---	437.88	439.25	439.59	439.30	438.55	438.91	436.81
30	433.33	433.00	432.64	433.09	---	439.19	439.46	439.53	439.35	438.60	438.82	436.73
31	433.40	---	432.51	433.47	---	440.98	---	439.49	---	438.60	438.84	---
MAX	440.93	433.36	434.76	434.27	436.42	440.98	440.99	439.86	439.76	439.48	439.16	439.04
MIN	433.24	432.27	432.51	431.84	433.32	436.50	438.03	439.41	439.30	438.32	438.48	436.73
()	4.68	4.51	4.30	4.71	6.01	8.09	7.39	7.40	7.34	7.00	7.11	6.15
()	-706	-66	-78	153	537	777	-270	4	-23	-127	41	-370

CAL YR 1976 + 0 MAX 440.96 MIN 432.20
WTR YR 1977 + -13 MAX 440.99 MIN 431.84

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

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), revised.

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.

REVISED RECORDS.--WSP 972: Drainage area. WSP 1303: 1942-45.

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

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

AVERAGE DISCHARGE.--51 years, 1,979 ft³/s (56.05 m³/s), 19.76 in/yr (502 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, 35,200 ft³/s (997 m³/s) Oct. 9, gage height, 26.47 ft (8.068 m); minimum, 42 ft³/s (1.19 m³/s) July 18; minimum daily, 237 ft³/s (6.71 m³/s) Aug. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2160	1780	3400	2020	2090	2340	13300	796	1500	357	1280	768
2	1090	2760	3110	1530	2150	1960	7680	2210	1500	756	369	414
3	614	1460	3210	2710	800	1360	5760	1910	1330	348	417	387
4	1140	2000	2020	3200	565	2700	5440	2370	684	348	808	342
5	2190	2790	1320	2580	572	2330	7910	1400	378	820	499	351
6	2200	1610	2720	2630	548	1970	8440	1300	2530	423	429	1390
7	2250	1640	4620	1700	952	3820	5740	1190	764	984	378	1880
8	4870	2470	5960	1120	1220	3760	5000	872	1780	488	242	3850
9	24100	952	5240	635	676	2340	4900	2230	345	856	464	2630
10	25100	656	4850	4770	562	2220	4870	1230	492	499	864	2760
11	9810	1680	4810	6020	992	2840	4850	1760	375	492	1170	1050
12	5420	1610	3000	5190	1090	2040	4840	1660	357	562	628	2290
13	4870	1060	3950	4850	1310	4970	4820	1100	1990	800	237	2580
14	4790	555	5230	4870	1190	6250	4800	1150	1850	1320	614	2700
15	4760	4280	5410	5190	1160	5250	4770	740	884	1760	312	1680
16	4730	5070	5860	2370	1280	3420	3200	1580	621	872	541	2690
17	4730	4080	5320	2820	1920	1960	2020	1420	2220	363	333	4590
18	4740	2060	4940	3210	2020	2520	1300	1540	736	1460	366	1930
19	4720	1680	2600	3190	688	1390	390	740	860	988	417	2440
20	4720	1150	2240	3140	523	1870	1270	1010	1090	1220	474	1980
21	4730	960	4760	3050	1430	3850	1720	704	1240	1800	351	2140
22	4640	1680	4760	1190	527	7270	1570	1310	1120	840	649	2310
23	1740	1650	4740	590	988	6430	2600	2280	1400	381	520	2960
24	1310	1190	4700	2550	2790	5270	1890	1710	345	369	752	1320
25	2550	1470	2220	3080	1970	4910	2100	2820	1140	260	1800	453
26	2820	1440	2000	1560	590	4810	916	1660	411	333	635	2330
27	3150	1030	2890	2000	565	1280	2610	321	1460	796	700	3070
28	3190	1190	3060	2370	2490	904	836	1690	1140	447	417	1520
29	3170	3760	2930	1570	---	3380	1920	1350	820	411	1150	1240
30	1780	3730	3110	576	---	5770	960	2030	808	447	1180	1260
31	1420	---	2690	676	---	6450	---	1760	---	423	696	---
TOTAL	149504	59443	117670	82957	33658	107634	118422	45843	32170	22223	19692	57305
MEAN	4823	1981	3796	2676	1202	3472	3947	1479	1072	717	635	1910
MAX	25100	5070	5960	6020	2790	7270	13300	2820	2530	1800	1800	4590
MIN	614	555	1320	576	523	904	390	321	345	260	237	342

CAL YR 1976 TOTAL 905260 MEAN 2473 MAX 25100 MIN 312
WTR YR 1977 TOTAL 846521 MEAN 2319 MAX 25100 MIN 237

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 mean sea level. Prior to Oct. 31, 1930, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by earth dam; storage began Aug. 31, 1929; dam completed in 1930. Usable capacity, 70,300,000,000 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, 357.27 ft (108.896 m) Apr. 17; minimum gage height, 350.90 ft (106.954 m) Jan. 24.

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)

ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	352.08	352.54	352.93	352.76	351.31	351.95	356.42	356.75	356.90	354.85	352.93	351.54
2	352.11	352.19	352.74	352.44	351.32	352.02	356.71	356.61	356.95	354.76	352.97	351.54
3	352.11	352.07	352.50	352.08	351.27	352.06	356.67	356.53	356.93	354.72	353.25	351.51
4	352.08	351.92	352.26	351.91	351.26	352.20	356.68	356.44	356.96	354.61	353.35	351.45
5	352.12	351.89	352.25	351.64	351.26	352.42	356.75	356.26	356.94	354.39	353.09	351.48
6	352.18	352.02	352.10	351.42	351.29	352.77	356.76	356.08	356.81	354.14	353.11	351.49
7	352.26	352.04	352.50	351.28	351.22	353.11	356.75	356.14	356.81	354.06	353.02	351.58
8	352.46	351.65	352.52	351.05	351.17	353.25	356.89	356.17	356.83	353.88	352.75	351.70
9	353.50	351.60	352.30	351.29	351.16	353.39	356.96	356.14	356.74	353.59	352.49	351.75
10	354.75	351.55	352.28	351.50	351.15	353.43	357.11	356.15	356.71	353.45	352.27	351.87
11	355.90	351.55	352.42	351.56	351.16	353.51	357.19	356.21	356.65	353.34	351.86	351.93
12	355.97	351.57	353.12	351.67	351.22	353.65	357.15	356.26	356.70	353.27	351.79	351.96
13	355.94	351.56	353.27	351.61	351.25	355.07	357.06	356.30	356.68	353.13	351.75	351.99
14	355.77	351.74	353.28	351.78	351.30	355.56	357.02	356.32	356.80	353.06	351.77	351.84
15	355.65	352.14	353.50	351.94	351.34	355.83	357.09	356.29	356.78	353.05	351.67	351.79
16	355.78	352.49	353.62	352.06	351.39	355.97	357.15	356.33	356.84	353.09	351.56	351.97
17	355.75	352.70	353.60	351.65	351.36	356.03	357.20	356.38	356.82	353.08	351.51	352.13
18	355.69	352.69	353.76	351.32	351.38	356.03	357.07	356.38	356.90	353.08	351.49	352.19
19	355.34	352.63	353.74	351.04	351.38	356.10	356.90	356.42	356.92	353.09	351.46	352.12
20	355.38	352.63	353.50	350.93	351.43	356.30	356.72	356.41	356.77	353.09	351.43	352.00
21	355.14	352.61	353.34	350.95	351.42	356.52	356.61	356.42	356.72	353.00	351.41	351.92
22	354.89	352.47	353.04	350.94	351.37	356.95	356.63	356.45	356.65	353.09	351.41	351.94
23	354.73	352.34	353.12	350.93	351.39	356.97	356.71	356.47	356.58	353.05	351.38	352.06
24	354.81	352.36	353.00	350.96	351.53	356.96	356.83	356.49	356.50	353.03	351.40	352.15
25	354.40	352.33	353.20	351.04	351.63	356.89	356.82	356.57	356.37	353.00	351.45	352.13
26	354.12	352.37	353.41	351.09	351.66	356.92	356.79	356.63	356.30	353.05	351.54	352.16
27	353.77	352.46	353.23	351.18	351.76	356.93	356.79	356.66	356.00	353.01	351.57	352.17
28	353.34	352.94	353.10	351.28	351.81	356.72	356.71	356.71	355.79	353.04	351.56	352.17
29	353.03	353.30	353.00	351.36	---	356.76	356.68	356.75	355.43	353.14	351.58	352.23
30	353.04	353.12	352.86	351.37	---	356.66	356.77	356.86	355.13	353.13	351.60	352.20
31	353.04	---	352.88	351.33	---	356.45	---	356.91	---	353.14	351.57	---
MAX	355.97	353.30	353.76	352.76	351.81	356.97	357.20	356.91	356.96	354.85	353.35	352.23
MIN	352.08	351.55	352.10	350.93	351.15	351.95	356.42	356.08	355.13	353.00	351.38	351.45
(+)	56.21	56.36	55.92	53.11	53.96	62.82	63.46	63.75	60.19	56.40	53.54	54.67
(*)	239	58	-164	-1,049	351	3,308	247	108	-1,373	-1,415	-1,068	436

CAL YR 1976 + 190 MAX 358.80 MIN 350.00
WTR YR 1977 + -29 MAX 357.20 MIN 350.93

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

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

SANTEE RIVER BASIN

02169000 SALUDA RIVER NEAR COLUMBIA, S.C.

LOCATION.--Lat 34°00'50", long 81°05'17", Richland County, Hydrologic Unit 03050109, on left bank 0.4 mi (0.6 km) upstream from site of Old Saluda Mill, 1.6 mi (2.6 km) upstream from confluence with Broad River and 3.3 mi (5.3 km) west of State Capitol in Columbia, and at mile 1.67 (2.69 km).

DRAINAGE AREA.--2,520 mi² (6,527 km²), revised.

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

REVISED RECORDS.--WSP 972: Drainage area. WSP 1303: 1929-39 (monthly and yearly runoff).

GAGE.--Water-stage recorder. Datum of gage is 149.46 ft (45.555 m) above mean sea level. 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.--52 years, 2,922 ft³/s (82.75 m³/s), 15.75 in/yr (400 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, 18,200 ft³/s (515 m³/s) Mar. 22, gage height, 7.95 ft (2.423 m); minimum, 230 ft³/s (6.51 m³/s) May 18; minimum daily, 275 ft³/s (7.79 m³/s) May 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1380	10700	8510	5250	2420	1560	12500	367	1500	8050	2520	910
2	669	10800	7040	8860	2210	1280	8100	3830	1130	2360	1900	663
3	634	5840	9050	10800	3330	1040	9040	4120	889	975	1580	423
4	1350	1810	7410	8600	1640	1090	9450	4120	409	1500	1550	595
5	1230	2610	5070	8970	699	631	7990	5410	402	5880	4500	367
6	1030	2190	7170	8460	643	746	8530	6690	2890	6230	3100	890
7	995	1290	8200	6810	2470	2610	9680	870	754	2140	1430	788
8	4380	5760	8700	8270	2520	2730	5620	446	486	5130	6260	1040
9	6890	4950	10900	2090	1450	1390	3100	663	1520	6690	6260	402
10	3760	2020	8230	10800	1620	1100	1870	388	806	3400	4560	367
11	1530	1250	5580	9680	1320	1020	3640	336	964	2450	7070	360
12	4340	1370	9410	6140	609	577	6120	336	663	2170	4270	360
13	6650	1460	7820	7020	502	1290	7570	654	1230	2990	1870	1480
14	8070	1350	7840	3680	962	1670	6440	595	2500	1800	725	3640
15	7320	4740	8760	4690	1110	2020	3440	438	1420	1310	1840	2660
16	5780	4500	8480	2600	1610	1230	1690	295	1710	770	2600	1200
17	3910	2880	6530	11500	1210	2120	1730	275	1730	470	1080	1630
18	9290	2070	4910	10500	1170	2890	5080	402	666	544	698	815
19	9490	2940	4440	12800	1260	1000	4270	716	587	518	654	2450
20	8930	1870	7160	5910	1330	1440	5150	707	4360	409	409	3180
21	10000	1720	9280	2510	1670	5220	3120	454	2560	1060	354	2490
22	10200	3270	11500	2690	1270	10100	2300	478	2700	807	620	1010
23	5030	4720	6170	1350	1230	14700	890	815	2790	423	806	454
24	3320	2400	4970	2000	1470	8890	446	454	2500	360	698	354
25	9310	1630	2010	2000	1310	7580	1480	416	1820	689	716	342
26	9660	1620	2250	1270	635	4610	1350	416	5540	779	663	680
27	9870	1560	6570	987	606	3220	2100	462	7310	423	510	1730
28	12100	1390	5440	881	1210	6840	2680	423	6280	486	423	1040
29	10200	4530	6840	1150	---	7270	1490	416	5890	834	527	586
30	6870	8290	7030	1070	---	9510	446	552	9440	535	654	1970
31	2100	---	3910	1520	---	13300	---	860	---	552	1120	---
TOTAL	176288	103530	217180	170858	39486	120674	137312	37404	73446	62734	61967	34876
MEAN	5687	3451	7004	5512	1410	3893	4577	1207	2448	2024	1999	1163
MAX	12100	10800	11500	12800	3330	14700	12500	6690	9440	8050	7070	3640
MIN	634	1250	2010	881	502	577	446	275	402	360	354	342

CAL YR 1976 TOTAL 1261379 MEAN 3446 MAX 13100 MIN 456
WTR YR 1977 TOTAL 1235745 MEAN 3386 MAX 14700 MIN 275

Santee River Basin

123

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) above mean sea level.

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 53 ft³/s (1.50 m³/s) above station for municipal supply.

AVERAGE DISCHARGE.--38 years, 9,371 ft³/s (265.4 m³/s), 16.20 in/yr (411 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142,000 ft³/s (4,020 m³/s) Apr. 10, 1964, gage height, 28.60 ft (8.717 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), 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, 155,000 ft³/s (4,390 m³/s) Oct. 11, gage height, 29.74 ft (9.065 m); minimum, 640 ft³/s (18.1 m³/s), Sept. 6, gage height, 1.46 ft (0.445 m); minimum daily, 1,240 ft³/s (35.1 m³/s) Sept. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7030	14700	23000	11500	8140	9950	82000	6170	5510	11500	4050	2780
2	8390	16200	17600	15200	7460	9050	61900	10900	6140	5480	3920	2070
3	7470	12500	17500	16100	9060	7830	39900	9160	5260	4500	4990	1240
4	6040	6660	14000	14700	7480	7870	29400	8540	3770	5640	3330	2350
5	4760	7920	11400	15400	5910	7620	26800	10500	4150	8050	6270	1900
6	3740	8400	12500	15200	6250	9910	34900	11900	6950	8400	4730	2190
7	4640	6810	22100	13500	8010	18400	40400	5740	3690	4760	4530	2250
8	8890	9310	40600	15400	8020	19200	27900	5420	3090	6950	7200	2290
9	35300	9520	45300	11400	6790	13900	17600	6070	3820	8290	7090	4420
10	94000	6840	29500	29000	7080	10900	13600	5540	4930	5140	6070	11300
11	150000	5440	18900	40800	5490	10200	13200	4450	3820	4850	7840	7470
12	99800	5760	27400	31100	6100	8110	14900	4820	3520	4120	6450	5420
13	39400	6060	29500	22300	5980	23700	15600	5050	3500	5110	2950	5170
14	22600	6460	28400	14500	6430	27400	14200	4420	5170	3820	2480	7440
15	16600	16100	24900	15400	6510	21600	10900	4910	5170	3520	3670	5710
16	13500	20700	36200	15800	6840	13200	9080	3670	4790	2710	4450	4760
17	11100	16100	43300	21600	7730	11500	8970	3890	5900	2550	3040	7880
18	15200	11300	31400	19200	6790	11300	11100	3740	5050	1590	2800	18100
19	15600	9120	22100	21000	4590	9640	10600	3040	5800	2500	2870	15600
20	16800	7310	18000	13900	6870	9100	10600	5080	9740	1650	3450	13300
21	16400	6980	18700	9960	6520	13500	9120	4020	7470	2800	2310	9440
22	17400	9030	20700	9920	5900	33100	7310	3540	7570	2030	2170	6210
23	10300	10100	16200	8480	6210	43800	6240	4260	6950	1390	2350	4150
24	8940	7200	13200	8380	7010	31500	7040	4450	4790	1790	2050	3260
25	13700	5820	9680	8520	7060	22000	8220	4700	5610	1900	1950	3190
26	14200	6240	10600	8020	6590	14800	8470	4930	9540	2310	2090	3820
27	15100	6220	14500	7930	7100	12100	8940	4480	10900	2150	2870	5200
28	18100	7170	14400	7830	9130	14500	9270	5020	10100	1520	2150	4480
29	16100	16200	14400	6880	---	14700	7090	5170	8900	2750	2310	2500
30	12000	24400	14400	7630	---	23300	6140	4670	12100	3040	2990	5800
31	7000	---	11200	7670	---	55700	---	4650	---	2070	2990	---
TOTAL	730100	302570	671580	464220	193050	539380	571390	172900	183700	124880	118410	171690
MEAN	23550	10090	21660	14970	6895	17400	19050	5577	6123	4028	3820	5723
MAX	150000	24400	45300	40800	9130	55700	82000	11900	12100	11500	7840	18100
MIN	3740	5440	9680	6880	4590	7620	6140	3040	3090	1390	1950	1240
CAL YR 1976	TOTAL	4321940	MEAN	11810	MAX	150000	MIN	2110				
WTR YR 1977	TOTAL	4243870	MEAN	11630	MAX	150000	MIN	1240				

SANTEE RIVER BASIN

02169550 CONGAREE CREEK AT CAYCE, S.C.

LOCATION.--Lat 33°56'15", long 81°04'40", Lexington County, Hydrologic Unit 03050110, on left bank 20 ft (6 m) downstream from bridge on U.S. Highway 21 at Cayce, 2.1 mi (3.4 km) upstream from Sixmile Creek, and at mile 5.4 (8.7 km).

DRAINAGE AREA.--122 mi² (316 km²), revised.

PERIOD OF RECORD.--October 1959 to current year. Occasional low-flow measurements, water years 1925, 1944, 1949-59.

REVISED RECORDS.--WSP 1703, 1923: 1960(M).

GAGE.--Water-stage recorder. Datum of gage is 128.98 ft (39.313 m) above mean sea level (South Carolina Highway Department bench-mark). Prior to Jan. 20, 1960, nonrecording gage at same site and datum.

REMARKS.--Records good, except period of no gage-height record Aug. 2 to Sept. 7, which is poor. About 2.4 ft³/s (0.068 m³/s) diverted by city of Cayce for municipal supply.

AVERAGE DISCHARGE.--18 years, 225 ft³/s (6.372 m³/s), 25.04 in/yr (636 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,840 ft³/s (52.1 m³/s) Oct. 1, 1959, gage height, 5.92 ft (1.804 m), from floodmarks; minimum daily, 111 ft³/s (3.14 m³/s) June 20, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 73.2 ft³/s (2.07 m³/s) was measured on May 10, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 600 ft³/s (17.0 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 11	1430	(a)	*4.55 1.387
Dec. 13	0830	*764 21.6	4.49 1.369

(a) Backwater from Congaree River.

Minimum daily, 126 ft³/s (3.57 m³/s) July 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	284	194	326	224	216	255	244	172	161	147	186	170
2	238	190	268	219	215	234	231	172	155	144	233	170
3	182	184	220	224	213	209	226	169	147	143	368	175
4	168	182	200	249	215	212	221	167	143	142	305	185
5	165	178	202	266	216	242	230	165	140	137	230	190
6	161	176	202	256	212	261	255	160	135	135	185	190
7	163	177	250	256	209	311	235	157	136	135	165	190
8	209	179	338	271	209	354	206	155	141	134	150	186
9	250	177	319	266	209	306	197	155	140	132	145	187
10	324	174	266	402	209	256	195	152	137	130	145	183
11	320	176	234	499	208	236	191	152	137	129	145	177
12	300	182	396	382	209	231	190	152	137	128	145	170
13	191	184	695	304	210	263	186	152	140	130	145	164
14	174	186	560	275	210	332	186	150	147	140	150	162
15	169	272	393	278	206	315	184	149	184	138	160	161
16	167	414	442	278	204	272	182	147	212	132	165	165
17	194	380	396	265	200	239	183	149	205	129	165	187
18	261	300	330	247	200	212	181	148	218	134	175	201
19	271	240	287	239	201	206	178	146	200	135	180	179
20	297	213	260	232	205	217	179	150	194	131	175	167
21	429	208	262	232	202	253	181	150	225	129	165	161
22	367	203	252	230	199	393	177	150	201	128	160	156
23	279	194	236	227	199	508	178	154	167	130	160	155
24	222	190	232	227	217	373	192	153	155	130	160	153
25	205	187	231	238	255	293	188	167	150	126	165	154
26	210	187	260	244	263	253	178	208	149	128	165	158
27	209	209	336	239	234	235	171	217	148	135	180	173
28	194	243	311	234	244	227	167	208	144	136	185	174
29	184	328	272	232	---	235	165	176	141	144	180	169
30	183	382	247	227	---	256	167	162	141	170	180	168
31	188	---	230	221	---	255	---	156	---	168	175	---
TOTAL	7167	6689	9512	8183	5989	8444	5844	5020	4830	4229	5592	5180
MEAN	231	223	307	264	214	272	195	162	161	136	180	173
MAX	429	414	695	499	263	508	255	217	225	170	368	201
MIN	161	174	202	219	199	206	165	146	135	126	145	153
CFSM	1.70	1.64	2.26	1.94	1.57	2.00	1.43	1.19	1.18	1.00	1.32	1.27
INF.	1.96	1.83	2.60	2.24	1.64	2.31	1.60	1.37	1.32	1.16	1.53	1.42

CAL YR 1976 TOTAL 78036 MEAN 213 MAX 740 MIN 137 CFSM 1.57 IN 21.35
WTR YR 1977 TOTAL 76679 MEAN 210 MAX 695 MIN 126 CFSM 1.54 IN 20.97

SANTÉE RIVER BASIN

125

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) above mean sea level. 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.--11 years, 79.1 ft³/s (2.240 m³/s), 18.02 in/yr (458 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,570 ft³/s (44.5 m³/s) Mar. 3, 1971, gage height, 7.20 ft (2.195 m); minimum daily, 11 ft³/s (0.31 m³/s) Apr. 4, 1967, Oct. 5, 6, 1969, Oct. 21-27, 1974.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft³/s (14.2 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)
Oct. 20	1200	587 16.6	5.29 1.612	Jan. 10	0400	814 23.1	5.96 1.817
Nov. 15	1300	524 14.8	5.08 1.548	Mar. 22	0400	608 17.2	5.36 1.634
Dec. 12	0900	*1,400 39.6	*6.95 2.118	Aug. 2	1500	660 18.7	5.53 1.686

Minimum daily, 12 ft³/s (0.99 m³/s) July 15-22, 24, 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	46	134	84	68	56	80	30	41	28	40	31
2	62	47	117	79	74	48	70	32	30	34	340	27
3	46	44	105	99	107	42	67	32	24	32	530	24
4	38	43	63	117	102	51	65	31	21	25	352	27
5	32	44	47	120	66	58	115	30	20	21	168	28
6	29	44	84	121	56	100	108	27	19	20	94	28
7	28	43	223	148	42	214	85	25	19	18	59	37
8	57	42	204	90	31	160	69	24	19	21	41	61
9	306	43	148	155	33	106	60	24	20	20	35	57
10	185	46	111	670	93	82	54	24	18	16	30	46
11	97	67	129	432	58	78	51	23	17	14	28	36
12	61	96	1070	230	46	77	49	22	16	13	26	30
13	46	48	743	195	34	217	47	22	16	13	24	26
14	39	67	325	157	34	171	44	21	42	13	28	24
15	35	381	318	153	37	120	42	20	45	12	28	28
16	31	320	325	141	36	89	39	20	99	12	25	105
17	103	189	254	126	34	74	37	23	78	12	24	191
18	101	118	182	122	27	67	34	24	97	12	24	128
19	79	94	143	120	24	64	34	23	61	12	26	74
20	356	66	120	122	24	96	34	22	210	12	27	54
21	332	62	113	119	61	141	33	21	162	12	29	46
22	179	68	110	90	67	559	33	21	81	12	27	39
23	103	72	90	89	52	361	35	21	118	13	25	32
24	70	93	90	85	84	192	36	20	61	12	26	29
25	62	40	93	88	87	122	36	30	40	12	24	26
26	65	56	215	85	76	95	34	29	31	15	29	27
27	56	65	183	82	74	82	32	28	31	15	109	25
28	48	126	142	79	68	75	31	27	28	12	159	26
29	44	236	115	79	---	116	29	25	25	21	90	24
30	42	197	99	74	---	114	29	32	24	20	54	23
31	44	---	80	71	---	100	---	42	---	20	38	---
TOTAL	2867	2903	6190	4422	1595	3927	1512	795	1513	524	2559	1359
MEAN	92.5	96.8	200	143	57.0	127	50.4	25.6	50.4	16.9	82.5	45.3
MAX	356	381	1070	670	107	559	115	42	210	34	530	191
MIN	28	40	47	71	24	42	29	20	16	12	24	23
CFSM	1.55	1.62	3.36	2.40	.96	2.13	.85	.43	.85	.28	1.38	.76
IN.	1.79	1.81	3.86	2.76	1.00	2.45	.94	.50	.94	.33	1.60	.85

CAL YR 1976 TOTAL 31308 MEAN 85.5 MAX 1070 MIN 18 CFSM 1.44 IN 19.54
WTR YR 1977 TOTAL 30166 MEAN 82.6 MAX 1070 MIN 12 CFSM 1.39 IN 18.83

SANTEE RIVER BASIN

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. Altitude of gage is 175 ft (53.3 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--11 years, 14.2 ft³/s (0.402 m³/s), 19.28 in/yr (490 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft³/s (38.5 m³/s) July 29, 1971, gage height 6.66 ft (2.030 m); minimum daily, 4.7 ft³/s (0.13 m³/s) July 3, 12, Aug. 4, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft³/s (2.83 m³/s) and maximum.

No peaks above base.

Maximum discharge, 54 ft³/s (1.53 m³/s) June 20, gage height 3.33 ft (1.015 m).

Minimum daily, 5.1 ft³/s (0.14 m³/s) July 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	12	13	14	14	14	14	9.6	7.9	6.7	8.2	8.3
2	14	11	12	14	14	13	14	9.6	8.0	7.1	13	7.8
3	10	11	12	21	14	13	14	9.5	7.0	7.7	16	7.8
4	8.3	11	12	21	14	17	13	9.3	7.0	6.8	14	8.6
5	8.2	10	12	18	14	16	18	9.2	6.8	6.5	9.3	16
6	8.0	11	13	16	13	21	14	9.1	6.5	6.2	7.7	14
7	9.0	11	23	22	13	28	13	9.0	6.8	6.0	7.0	14
8	9.8	10	16	17	13	19	13	8.9	6.4	5.7	6.5	15
9	16	10	13	17	13	17	12	8.8	6.2	5.5	6.5	10
10	11	11	13	31	13	16	12	8.8	6.0	5.4	13	9.3
11	9.5	11	18	20	13	16	12	8.6	6.0	5.3	7.9	9.0
12	8.6	12	38	18	13	16	11	8.3	6.0	6.2	7.0	8.3
13	8.6	11	28	17	13	22	11	8.0	8.0	6.7	6.7	8.0
14	9.3	11	28	19	12	17	11	7.7	19	6.0	10	7.8
15	9.0	27	28	18	12	15	11	7.1	18	5.5	14	7.8
16	8.2	17	23	16	12	15	11	6.8	11	5.5	12	8.0
17	15	14	18	15	12	14	10	6.7	10	5.5	12	7.8
18	12	13	17	15	12	14	10	6.4	11	5.5	15	7.7
19	10	12	16	15	12	14	10	6.7	8.6	5.5	36	7.4
20	35	12	17	15	12	16	10	7.8	35	5.3	17	7.4
21	20	12	16	15	12	18	10	7.6	14	5.1	12	7.8
22	15	11	15	15	12	38	10	7.6	10	9.7	9.8	7.7
23	12	11	15	15	12	21	12	7.5	8.9	7.4	9.0	6.9
24	11	11	14	16	18	18	12	8.5	8.1	6.1	8.3	6.9
25	12	11	15	17	14	17	11	16	7.4	5.8	8.3	7.1
26	14	12	28	15	13	16	10	16	7.3	8.0	12	7.8
27	11	14	18	15	18	15	9.8	17	7.1	8.2	12	7.8
28	11	22	17	15	18	15	9.7	11	6.5	6.8	9.5	8.8
29	11	18	16	15	---	15	9.6	9.2	6.7	9.5	9.8	7.7
30	11	14	15	14	---	15	9.6	8.3	7.6	8.8	13	8.1
31	13	---	15	14	---	15	---	8.1	---	7.4	11	---
TOTAL	373.5	384	549	525	375	536	347.7	282.7	284.8	203.4	353.5	266.6
MEAN	12.0	12.8	17.7	16.9	13.4	17.3	11.6	9.12	9.49	6.56	11.4	8.89
MAX	35	27	38	31	18	38	18	17	35	9.7	36	16
MIN	8.0	10	12	14	12	13	9.6	6.4	6.0	5.1	6.5	6.9
CFSM	1.20	1.28	1.77	1.69	1.34	1.73	1.16	.91	.95	.66	1.14	.89
IN.	1.39	1.43	2.04	1.95	1.39	1.99	1.29	1.05	1.06	.76	1.31	.99

CAL YR 1976 TOTAL 5013.8 MEAN 13.7 MAX 45 MIN 8.0 CFSM 1.37 IN 18.65
WTR YR 1977 TOTAL 4481.2 MEAN 12.3 MAX 38 MIN 5.1 CFSM 1.23 IN 16.67

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LOCATION.--Lat 33°40'54", long 80°34'14", Calhoun County, Hydrologic Unit 03050111, on right bank 6.0 mi (9.7 km) downstream from confluence of Wateree and Congaree Rivers, 3.8 mi (6.1 km) north of Lone Star and at mile 118.2 (190 km).

REMARKS.--Lake is formed by earth dam. Storage began in November 1941; dam completed in 1941 (see sta 02171000).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 83.07 ft (25.320 m) Oct. 14; minimum elevation, 73.69 ft (22.461 m) Sept. 7.

ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77.28	77.74	77.44	77.57	76.75	76.14	77.90	76.44	75.92	76.67	74.05	74.44
2	76.93	77.76	77.62	77.53	76.74	76.30	79.06	76.22	76.14	76.50	74.45	74.10
3	76.66	77.80	77.79	77.57	76.63	76.14	80.41	76.57	76.20	75.83	74.97	74.10
4	76.33	77.77	77.90	77.65	76.53	76.13	80.38	76.60	76.14	75.43	74.89	74.03
5	76.25	77.54	77.90	77.69	76.08	76.39	79.81	76.47	76.05	75.33	74.89	73.94
6	76.06	77.52	77.82	77.75	75.83	76.58	79.23	76.60	75.76	75.72	75.29	73.79
7	75.80	77.35	77.86	77.76	75.77	77.00	79.01	76.65	76.10	75.92	74.97	73.98
8	76.17	77.19	77.88	77.74	75.94	77.29	79.06	76.11	75.93	75.60	74.62	73.97
9	77.07	77.31	78.04	77.72	75.80	77.43	79.16	75.71	75.62	75.88	75.10	74.14
10	77.41	77.29	78.50	77.63	75.68	77.46	78.90	75.88	75.78	75.92	75.44	75.56
11	77.62	77.13	79.22	77.71	75.45	77.38	78.47	75.66	75.61	75.42	75.51	75.64
12	80.86	76.97	79.33	77.92	75.61	77.25	78.21	75.70	75.51	75.18	75.89	74.95
13	83.05	76.94	79.11	78.52	75.35	77.29	78.05	75.73	75.42	75.13	75.66	74.70
14	82.68	76.88	79.02	78.77	75.26	77.47	77.96	75.67	75.75	75.24	74.98	74.49
15	81.52	77.03	79.22	78.69	75.37	77.63	77.89	75.65	76.07	75.29	74.57	75.05
16	80.24	77.43	79.32	78.42	75.32	77.82	77.77	75.50	75.80	75.31	74.65	74.71
17	79.41	77.59	79.24	78.30	75.54	77.87	77.62	75.42	76.02	75.09	74.96	75.56
18	78.85	77.72	79.42	78.26	75.82	77.67	77.50	75.38	76.12	74.70	74.87	76.49
19	78.58	77.72	79.66	78.26	75.53	77.60	77.47	75.47	75.95	74.71	74.53	76.72
20	78.59	77.53	79.44	78.27	75.34	77.42	77.43	75.68	75.94	74.69	74.48	76.73
21	78.56	77.26	78.94	78.20	75.20	77.42	77.41	75.68	76.29	74.58	74.35	76.80
22	78.55	77.02	78.67	77.98	75.31	77.47	77.34	75.36	76.27	74.77	74.21	76.53
23	78.57	77.04	78.54	77.82	75.21	77.64	77.15	75.32	76.20	74.69	74.26	75.54
24	78.45	77.07	78.47	77.61	75.34	77.95	76.78	75.50	76.00	74.25	74.41	74.89
25	78.28	76.73	78.35	77.44	75.62	78.60	76.74	75.74	75.89	73.97	74.29	74.69
26	78.27	76.41	78.10	77.44	75.83	78.75	76.82	75.95	76.13	74.16	74.04	74.66
27	78.22	76.21	77.92	77.37	75.60	78.63	76.73	76.02	75.99	74.38	74.17	74.62
28	78.16	76.31	77.77	77.31	75.63	78.42	76.77	76.04	76.36	74.35	73.92	75.17
29	78.15	76.59	77.68	77.19	---	78.18	76.82	75.95	76.43	74.28	73.99	74.81
30	78.17	77.20	77.60	77.12	---	77.99	76.61	75.76	76.40	74.11	74.14	74.46
31	78.02	---	77.65	76.94	---	77.85	---	75.65	---	73.96	74.45	---
MAX	83.05	77.80	79.66	78.77	76.75	78.75	80.41	76.65	76.43	76.67	75.89	74.80
MIN	75.80	76.21	77.44	76.94	75.20	76.13	76.61	75.32	75.42	73.96	73.92	73.79
WTR YR 1977 MAX 83.05 MIN 73.79												

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.

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) above mean sea level (levels by South Carolina Public Service Authority). Auxiliary water-stage recorder 3.9 mi (6.3 km) downstream from base gage.

REMARKS.--Records good. 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.--34 years 14,913 ft³/s (422 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 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13800	21400	18000	20700	18100	6860	21700	12700	6100	8350	5540	5880
2	13100	21000	19400	20600	17000	8330	15500	13200	7100	7450	5520	5680
3	17400	21700	20200	21000	17100	8200	16700	13100	6360	7470	6070	4500
4	11600	21500	21900	20800	16900	8660	21700	13700	7890	6570	6550	4290
5	11600	22000	23400	20800	18200	10900	29700	15100	9580	7230	5960	4340
6	10700	20200	24000	20900	15600	12300	32200	15500	9230	7720	6730	3830
7	11300	20500	24100	21300	15400	16200	32900	14800	6960	7800	7420	3120
8	10800	20500	23300	19000	15100	17500	33600	13200	4720	7820	6410	5190
9	14400	17800	20900	18500	13800	19600	32100	11600	9160	8370	6080	5440
10	15500	19000	19700	20600	11700	21100	31200	9800	6260	7490	6640	4420
11	14400	18800	20100	15400	8520	22100	30800	10100	4220	7670	7910	5690
12	9020	19200	17500	14600	7470	20800	31700	8150	3640	7050	7630	5510
13	12900	18500	21700	15500	8760	20800	31600	7910	4500	7790	6570	5220
14	21300	18200	21700	19500	8310	22400	30800	7580	7280	7520	5170	7570
15	26900	18800	21100	22500	7300	23200	29900	6670	6620	6950	3580	8390
16	31800	18600	20100	24600	7890	24500	29200	7150	7050	6880	5340	7890
17	33800	19300	18600	23300	9400	25700	28300	7440	7840	7360	6540	7270
18	30400	20500	17300	23000	8780	27200	27100	8210	8660	7020	7600	7990
19	28900	21400	18000	23000	8750	26800	26400	9260	9360	6580	6820	8980
20	27800	22000	19400	21500	9420	27700	25400	7440	8970	6770	4250	10800
21	24900	22500	20700	21200	6770	26400	23700	7250	9400	7230	2880	11700
22	23300	21900	19300	21900	7050	28400	22700	7190	10200	7550	5840	11400
23	22600	19800	23100	22600	6810	26900	22400	4180	9760	6000	6100	11000
24	22600	19300	22100	22700	6040	26700	22400	4050	8240	5840	4520	8770
25	22500	19000	21700	22600	6310	27700	21400	4270	8850	5370	4410	6730
26	23600	18700	22000	20500	5560	30200	18500	4250	9680	5490	4160	6370
27	23500	17800	19300	19600	6010	31800	16200	5370	9430	3810	4200	6720
28	23000	16700	18300	19900	7150	32200	15700	5510	11000	4530	4220	6840
29	22200	18300	19600	20600	---	32400	13900	6660	11800	4330	4480	6940
30	21600	17900	16900	19300	---	31800	14100	4920	9490	3800	4570	6770
31	22300	---	19700	18700	---	28400	---	5050	---	4990	4760	---
TOTAL	614520	592800	633100	636700	295200	693750	749500	271310	239350	206800	174470	205240
MEAN	19820	19760	20420	20540	10540	22380	24980	8752	7978	6671	5628	6841
MAX	33800	22500	24100	24600	18200	32400	33600	15500	11800	8370	7910	11700
MIN	9020	16700	16900	14600	5560	6860	13900	4050	3640	3800	2880	3120
CAL YR 1976	TOTAL	6008100	MEAN	16420	MAX	33800	MIN	4370				
WTR YR 1977	TOTAL	5312740	MEAN	14560	MAX	33800	MIN	2880				

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

LOCATION.--Lat 33°23'15", long 80°08'25", Berkeley County, Hydrologic Unit 03050201, at auxiliary water-stage recorder 3.9 mi (6.3 km) downstream from base gage, 7.0 mi (11.3 km) southwest of Pineville.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1973 to current year.

WATER TEMPERATURE: February 1973 to current year.

INSTRUMENTATION.--Servo Programmer since February 1973.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, greater than 162 micromhos June 4, 5, 7, 1974; minimum, 51 micromhos Aug. 4, 1975.

WATER TEMPERATURE: Maximum, 31.0°C July 20-22, 1977; minimum, 2.0°C Jan. 30, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 98 micromhos Jan. 30; minimum, 54 micromhos Oct. 27.

WATER TEMPERATURE: Maximum, 31.0°C July 20-22; minimum, 2.0°C Jan. 30.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	ALKALINITY AS CaCO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM .7UM-MF (COL./100 ML)
OCT 05...	1230	23.1	8.4	85	6.9	20	24	4.7	0	7.3	4.8	83
NOV 03...	1430	14.0	8.9	86	6.5	16	20	3.9	0	7.8	10	84
DEC 01...	1405	8.5	11.4	85	6.5	16	20	4.0	0	6.8	10	83
JAN 11...	1305	4.0	12.9	61	6.5	17	21	4.3	0	5.0	11	88
FEB 09...	1315	4.0	13.0	76	6.4	15	18	4.1	0	6.6	11	80
MAR 08...	1320	11.5	10.8	65	6.7	18	22	3.9	0	6.2	7.0	<1
APR 06...	1100	16.0	10.6	67	6.6	17	21	4.8	0	5.4	8.4	89
MAY 04...	1345	21.0	8.4	75	6.9	20	24	4.5	0	5.9	4.8	88
JUN 01...	1305	26.5	8.2	80	7.3	17	21	4.8	0	6.6	1.7	85
JUL 12...	1230	30.0	6.8	86	7.0	20	24	5.0	0	7.5	3.8	818
AUG 09...	1240	30.0	7.3	89	7.2	21	26	4.6	0	7.9	2.6	82
SEP 13...	1240	27.0	7.2	100	7.1	16	20	4.3	0	9.7	2.5	82

DATE	FFCAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	HARD- NESS (CA+MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)
OCT 05...	84	.2	0	19	1.8	.33	.32	.01	1.5	.00	110000
NOV 03...	176	.2	0	16	1.4	.54	.38	.16	2.4	.06	2600
DEC 01...	18	.1	1	17	1.7	.54	.30	.24	2.4	.03	610
JAN 11...	85	.1	1	19	1.9	.48	.24	.24	2.1	.06	1500
FEB 09...	816	.1	2	17	1.7	.56	.28	.28	2.5	.06	--
MAR 08...	<1	.0	0	14	1.1	.62	.40	.22	2.7	.04	6500
APR 06...	R372	.1	2	19	1.7	.65	.43	.22	2.9	.06	0
MAY 04...	R362	.0	0	17	1.5	.55	.40	.15	2.4	.06	6900
JUN 01...	174	.1	2	19	1.7	.47	.45	.02	2.1	.01	49000
JUL 12...	232	.1	2	22	2.2	.47	.47	.00	2.1	.01	--
AUG 09...	812	.1	0	19	1.8	.43	.42	.01	1.9	.02	--
SEP 13...	R3440	.1	2	19	1.9	.21	.20	.01	.93	.04	--

Santee River Basin

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED PO- TAS- SIUM (K) (MG/L)	DIS-SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	SODIUM AD- SORP- TION RATIO	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	DIS-SOLVED SULFATE (SO4) (MG/L)	TUR- BID- ITY (JTU)
OCT 05...	1.6	63	54	1970	.09	.9	11	9.0	48	6.6	6
NOV 03...	2.3	79	53	4630	.11	.9	9.1	8.2	49	9.8	30
DEC 01...	2.0	46	48	2240	.06	.8	9.9	7.3	45	6.7	10
JAN 11...	1.9	50	45	2080	.07	.5	9.4	5.4	36	6.8	35
FEB 09...	1.4	47	48	1750	.06	.8	9.0	7.9	47	8.3	30
MAR 08...	1.6	49	47	2320	.07	.9	8.0	7.7	51	7.1	8
APR 06...	1.2	57	44	4960	.08	.7	7.9	6.7	42	5.5	35
MAY 04...	1.5	54	46	2000	.07	.8	6.3	7.8	47	6.9	20
JUN 01...	2.0	36	43	593	.05	.7	3.0	7.2	42	7.5	3
JUL 12...	1.9	53	48	1010	.07	.8	3.5	8.6	44	7.5	1
AUG 09...	1.8	60	51	985	.08	.9	6.4	9.4	49	6.4	4
SEP 13...	2.1	63	51	888	.09	1.4	4.3	14	59	8.6	6

DATE	TIME	DIS-SOLVED ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED CAD- MIUM (CD) (UG/L)	SUS-PENDED CAD- MIUM (CD) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED CHRO- MIUM (CR) (UG/L)	SUS-PENDED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
DEC 01...	1405	0	--	--	2	0	0	5.1	12	8	20	0
MAR 08...	1320	0	--	--	0	--	--	3.0	7	--	--	0
JUN 01...	1305	2	0	2	0	0	0	--	6	<4	<10	0
SEP 13...	1240	0	0	0	0	0	0	6.3	2	<8	<10	0

DATE	SUS-PENDED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED MAN- GANESE (MN) (UG/L)
DEC 01...	0	0	2	1	3	600	30	29	0	0	0
MAR 08...	--	--	0	--	--	--	100	20	--	--	--
JUN 01...	0	0	2	0	2	300	50	18	0	13	40
SEP 13...	0	0	0	0	0	210	0	13	0	13	50

DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS-SOLVED MAN- GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED SELE- NIUM (SE) (UG/L)	SUS-PENDED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)
DEC 01...	10	10	--	--	.0	0	--	--	10	0	10
MAR 08...	--	10	.0	--	--	0	--	--	0	--	--
JUN 01...	40	0	.0	.0	.0	0	0	0	10	0	10
SEP 13...	50	0	<.5	.0	<.5	0	0	0	10	0	10

SANTEE RIVER BASIN

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02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT					
05...	1230	11600	8	251	100
NOV					
03...	1430	21700	9	527	100
DEC					
01...	1405	18000	5	243	100
JAN					
11...	1305	15400	14	582	100
FEB					
09...	1315	13800	7	261	100
MAR					
08...	1320	17500	14	661	100
APR					
06...	1100	32200	26	2260	100
MAY					
04...	1345	13700	11	407	100
JUN					
01...	1305	6100	7	115	100
JUL					
12...	1230	7050	5	95	100
AUG					
09...	1240	6080	5	82	100
SEP					
13...	1240	5220	7	99	100

Santee River Basin

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	62	61	61	77	73	76	77	75	76	69	68	68
2	64	62	64	74	73	73	77	76	76	68	68	68
3	68	66	67	75	74	74	77	74	75	69	68	68
4	70	68	69	76	74	75	73	67	70	70	68	69
5	70	68	69	76	75	76	69	66	67	69	68	69
6	71	68	70	77	76	76	70	66	68	72	69	70
7	73	71	72	76	75	76	71	69	70	76	70	71
8	74	73	73	77	75	76	70	66	68	74	71	72
9	75	73	74	77	76	76	71	66	69	73	70	71
10	77	75	75	77	77	77	74	71	73	79	70	74
11	77	76	77	78	77	77	74	72	73	74	67	70
12	78	77	78	78	78	78	72	69	70	74	73	73
13	78	77	77	79	78	78	71	69	70	74	73	74
14	78	77	77	79	78	78	71	66	68	75	74	75
15	78	77	78	79	77	78	67	64	65	77	75	76
16	78	75	77	79	78	79	65	63	64	79	76	78
17	75	74	74	79	78	79	67	64	65	83	76	79
18	76	75	76	80	78	79	67	65	66	82	76	78
19	77	75	76	78	77	78	67	63	66	80	76	78
20	78	75	76	78	77	77	66	63	64	83	77	79
21	80	76	78	78	77	77	69	65	67	81	77	78
22	77	75	76	77	75	75	70	68	69	77	76	77
23	79	76	77	75	74	74	69	67	68	78	76	77
24	80	77	79	75	74	75	68	64	66	79	76	77
25	81	79	80	75	74	75	66	63	65	77	76	76
26	82	79	80	75	74	74	68	65	67	78	76	77
27	82	77	79	75	74	75	68	67	67	78	76	77
28	79	77	79	75	74	75	68	67	67	78	76	76
29	---	---	---	75	74	75	68	66	67	81	76	77
30	---	---	---	75	74	75	68	67	68	80	76	77
31	---	---	---	75	74	75	---	---	---	77	76	76

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	78	76	77	87	85	86	75	71	73	91	89	90
2	80	76	78	87	84	85	74	70	72	91	89	90
3	82	78	80	85	84	84	70	67	69	91	89	90
4	81	78	79	84	83	83	72	66	68	92	89	90
5	79	78	78	83	82	83	70	66	68	91	88	90
6	80	78	79	85	81	83	72	68	69	89	87	88
7	86	79	82	85	82	83	71	62	66	91	87	89
8	84	79	82	88	82	84	67	62	64	90	87	89
9	81	78	79	88	83	85	76	63	68	89	88	88
10	87	80	82	85	82	84	83	72	76	90	87	89
11	86	80	82	85	81	83	81	75	77	90	88	88
12	89	80	83	87	81	82	76	75	76	90	88	89
13	92	80	85	85	81	82	77	76	76	91	88	89
14	90	78	82	87	81	84	78	76	77	89	88	89
15	83	78	80	88	86	87	80	77	78	90	88	89
16	88	83	86	89	86	87	79	78	78	90	89	90
17	87	85	86	88	86	87	80	77	79	91	89	90
18	86	84	85	88	86	87	79	78	79	90	89	90
19	86	84	85	87	85	86	79	78	79	90	89	89
20	86	84	86	87	85	86	81	78	79	90	86	88
21	87	85	86	88	84	86	82	79	80	87	86	87
22	87	86	86	89	84	87	81	79	80	89	88	89
23	87	85	86	87	83	85	82	80	82	88	88	88
24	86	85	86	86	82	83	84	82	83	90	89	89
25	87	84	85	84	80	82	86	83	84	91	89	90
26	86	84	84	81	79	80	86	84	85	91	90	91
27	94	83	85	81	78	79	89	86	88	91	90	90
28	87	84	85	79	77	77	90	87	88	92	91	91
29	87	84	86	81	76	77	91	89	90	93	91	92
30	87	85	86	77	74	75	91	89	90	94	92	93
31	---	---	---	76	72	74	91	89	90	---	---	---
YEAR	98	54	76									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

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 at mean sea level (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, 76.75 ft (23.393 m) Oct. 20 (distorted due to high westerly winds); minimum, 73.35 (22.357 m) Sept. 10.

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, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75.57	76.54	74.98	76.04	75.66	74.53	75.27	75.36	75.22	74.75	73.54	73.49
2	75.60	76.55	75.02	76.02	75.55	74.47	74.74	75.32	75.18	74.82	73.59	73.48
3	75.60	76.56	75.13	76.15	75.45	74.56	74.81	75.30	75.21	74.87	73.76	73.50
4	75.58	76.58	75.32	76.14	75.35	74.68	75.33	75.28	75.23	74.84	73.81	73.58
5	75.51	76.50	75.45	76.16	75.16	74.73	75.90	75.25	75.20	74.67	73.83	73.56
6	75.43	76.45	75.62	76.17	74.97	74.74	76.14	75.16	75.12	74.69	73.83	73.52
7	75.35	76.50	75.80	76.15	74.79	74.80	76.36	75.14	75.09	74.67	73.80	73.46
8	75.20	76.22	75.87	76.04	74.65	74.78	76.39	75.09	75.13	74.61	73.79	73.43
9	75.29	76.20	75.71	75.95	74.56	74.79	76.35	74.98	75.06	74.53	73.82	73.36
10	75.09	76.11	75.62	75.93	74.48	74.88	76.41	74.88	75.02	74.57	73.80	73.45
11	74.52	76.03	75.82	75.59	74.46	74.93	76.52	74.89	75.05	74.50	73.78	73.55
12	73.83	75.93	76.17	75.45	74.44	74.96	76.63	74.89	75.04	74.41	73.79	73.61
13	74.29	75.91	76.20	75.43	74.43	75.16	76.63	74.91	75.00	74.34	73.87	73.65
14	75.05	75.72	76.16	75.67	74.37	75.14	76.61	74.95	75.11	74.28	73.93	73.66
15	75.68	75.67	76.20	75.87	74.36	75.17	76.60	74.94	75.13	74.23	74.01	73.55
16	76.34	75.61	76.15	76.04	74.36	75.26	76.52	75.00	75.16	74.20	73.96	73.61
17	76.50	75.68	76.00	76.00	74.23	75.36	76.44	74.99	75.10	74.16	73.88	73.60
18	76.48	75.70	75.91	76.03	74.24	75.49	76.34	74.96	75.11	74.10	73.82	73.69
19	76.56	75.79	75.93	75.99	74.24	75.44	76.25	74.87	75.12	74.00	73.81	73.77
20	76.62	75.87	76.17	75.97	74.20	75.52	76.11	74.80	75.05	73.95	73.74	73.86
21	76.51	75.91	75.83	76.02	74.18	75.51	76.01	74.88	75.01	73.89	73.73	73.90
22	76.48	75.78	76.00	76.10	74.15	75.60	75.95	74.90	75.04	73.80	73.76	73.98
23	76.47	75.65	76.28	76.18	74.14	75.48	75.90	74.90	74.94	73.74	73.62	74.01
24	76.48	75.58	76.22	76.26	74.32	75.53	75.86	74.95	74.96	73.70	73.60	74.01
25	76.62	75.49	76.28	76.21	74.36	75.74	75.72	75.00	74.92	73.62	73.65	73.97
26	76.67	75.41	76.36	76.12	74.39	76.06	75.56	75.07	74.87	73.65	73.66	73.97
27	76.65	75.25	76.15	76.08	74.50	76.32	75.48	75.14	74.81	73.55	73.58	73.92
28	76.63	75.18	76.11	76.10	74.50	76.48	75.42	75.20	74.76	73.56	73.56	73.88
29	76.61	75.11	76.01	76.06	---	76.57	75.35	75.22	74.69	73.70	73.55	73.87
30	76.59	74.96	75.96	75.89	---	76.51	75.39	75.28	74.68	73.67	73.48	73.83
31	76.56	---	76.00	75.79	---	75.96	---	75.23	---	73.58	73.46	---
MAX	76.67	76.58	76.36	76.26	75.66	76.57	76.63	75.36	75.23	74.87	74.01	74.01
MIN	73.83	74.96	74.98	75.43	74.14	74.47	74.74	74.68	74.68	73.55	73.46	73.36
(+)	46.79	39.47	44.13	43.18	37.53	43.95	41.39	40.67	38.29	33.75	33.27	34.74
(*)	1.781	-2.824	1.740	355	-2.335	2.397	-988	-269	-918	-1.695	-179	567
CAL YR 1976	+	457	MAX	76.74	MIN	72.34						
WTR YR 1977	+	-231	MAX	76.67	MIN	73.36						

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

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

SANTEE RIVER BASIN

02171500 SANTEE RIVER NEAR PINEVILLE, S.C.
(National stream-quality accounting network station)
(Radiochemical program station)

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.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 23.00 ft (7.010 m) above mean sea level (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 1977 are given below.

Dec. 2 - 24.7 ft³/s (0.70 m³/s)
Apr. 25 - 35.0 ft³/s (0.99 m³/s)
July 18 - 22.1 ft³/s (0.63 m³/s)

AVERAGE DISCHARGE.--35 years, 2,290 ft³/s (64.9 m³/s), 2.12 in/yr (54 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, 60,200 ft³/s (1,700 m³/s) Oct. 14, gage height, 26.01 ft (7.928), minimum daily, 484 ft³/s (13.7 m³/s) Oct. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	544	3620	590	2770	792	534	28500	524	550	544	530	552
2	506	1480	576	1260	655	536	33700	524	546	548	554	550
3	502	852	564	742	632	534	33500	538	550	538	603	540
4	500	964	564	730	622	538	28500	536	552	526	564	548
5	496	1920	564	768	830	532	23400	536	550	524	542	554
6	496	1060	564	1040	648	542	18300	544	562	524	538	558
7	484	940	592	6700	610	578	10300	552	550	544	534	695
8	488	2330	3100	9920	594	520	11700	548	550	544	536	685
9	815	795	9900	10500	596	518	17200	544	625	544	538	538
10	2660	961	18400	13300	594	528	17700	554	560	538	536	542
11	18700	642	20500	17700	586	528	13500	546	546	528	536	550
12	50000	628	21300	19500	584	526	4710	538	544	536	538	554
13	55100	622	24300	19700	584	526	2090	540	544	544	540	550
14	55900	616	29300	19100	580	512	1050	536	558	536	542	544
15	44100	614	30300	14800	576	528	862	536	542	534	538	540
16	20700	604	33500	14700	580	524	652	540	538	528	542	544
17	16900	598	35800	14500	580	524	594	540	538	532	538	544
18	16700	632	35300	14100	572	750	588	538	540	615	540	546
19	7770	592	35100	15600	562	568	584	544	546	530	552	552
20	9600	596	35400	17900	665	546	568	516	544	526	550	558
21	14500	636	34600	16500	594	524	558	524	544	522	554	560
22	14100	1010	18300	8470	558	1520	556	538	538	536	552	566
23	13900	650	12600	3200	550	770	552	540	544	526	546	564
24	13700	600	18100	2630	568	604	578	556	538	526	550	558
25	11800	594	18100	2620	554	594	605	566	536	526	556	556
26	4340	586	18800	2560	550	594	680	574	552	536	552	564
27	3730	584	19300	2370	556	586	552	562	548	544	556	572
28	4910	580	15900	2160	560	620	558	556	542	542	550	574
29	4960	645	12500	1460	---	687	542	556	548	546	544	576
30	4900	624	8940	1540	---	2520	524	560	544	542	546	560
31	5470	---	3820	908	---	15400	---	558	---	538	548	---
TOTAL	399271	27575	517174	259748	16932	35311	253703	16864	16469	16667	16945	16894
MEAN	12880	919	16680	8379	605	1139	8457	544	549	538	547	563
MAX	55900	3620	35800	19700	830	15400	33700	574	625	615	603	695
MIN	484	580	564	730	550	512	524	516	536	522	530	538

CAL YR 1976 TOTAL 1099918 MEAN 3005 MAX 55900 MIN 484
WTR YR 1977 TOTAL 1593553 MEAN 4366 MAX 55900 MIN 484

SANTÉE RIVER BASIN

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02171500 Santee River near Pineville, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1951 to September 1952, January 1966 to September 1971, July 1972 to July 1973, January 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT							
05...	1135	23.0	7.8	85	6.8	.29	.28
NOV							
03...	1330	15.0	9.1	95	6.5	.40	.25
DEC							
01...	1245	9.0	11.0	89	6.2	.56	.34
JAN							
11...	1230	5.0	14.7	71	6.4	.54	.35
FEB							
09...	1245	4.0	13.4	75	6.7	.53	.25
MAR							
08...	1240	11.0	10.9	69	6.7	.63	.41
APR							
06...	1225	16.9	11.6	71	6.6	.65	.46
MAY							
04...	1230	21.0	6.2	80	6.9	.66	.43
JUN							
01...	1200	26.0	7.7	81	7.2	.36	.31
JUL							
12...	1155	31.0	5.7	90	7.0	.43	.42
AUG							
09...	1200	29.5	7.4	92	7.3	.38	.38
SEP							
13...	1135	27.5	6.8	101	7.0	.16	.11

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)
OCT						
05...	.01	1.3	.01	110000	82	58
NOV						
03...	.15	1.8	.06	2700	87	86
DEC						
01...	.22	2.5	.04	1500	81	19
JAN						
11...	.19	2.4	.06	420	89	823
FEB						
09...	.28	2.3	.05	--	80	82
MAR						
08...	.22	2.8	.04	11000	819	49
APR						
06...	.19	2.9	.06	0	83	98
MAY						
04...	.23	2.9	.08	4000	108	110
JUN						
01...	.05	1.6	.03	16000	37	154
JUL						
12...	.01	1.9	.01	--	32	196
AUG						
09...	.00	1.7	.02	--	140	828
SEP						
13...	.05	.71	.05	--	824	8992

SANTEE RIVER BASIN

02171500 SANTEE RIVER NEAR PINEVILLE, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	ALKALINITY AS CACO ₃ (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	BICAR- BONATE (HCO ₃) (MG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC 01...	1245	16	0	1	1	20	1	0	1	4.9	5.6
MAR 08...	1240	16	0	--	--	20	1	--	--	4.2	4.2
JUN 01...	1200	21	2	0	2	26	0	0	0	5.0	--
SEP 13...	1135	21	0	1	1	26	0	0	0	4.6	6.9

DATE	CARBON DIOXIDE (CO ₂) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	SUS- PENDE D COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)
DEC 01...	20	0	7.2	10	10	20	0	0	0	2	0
MAR 08...	6.4	0	6.6	5	--	--	0	--	--	0	--
JUN 01...	2.6	0	6.7	10	0	<10	0	0	0	2	0
SEP 13...	4.2	0	9.3	4	<6	<10	0	0	0	0	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PR) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)
DEC 01...	2	.1	19	3	560	140	12	8	20	1.7	10
MAR 08...	--	.0	16	0	--	150	20	--	--	1.4	--
JUN 01...	2	.1	21	0	350	40	11	5	16	2.1	40
SEP 13...	0	.1	19	0	280	10	3	2	5	1.9	90

DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	SODIUM AD- SORP- TION RATIO
DEC 01...	20	10	.1	.0	.1	2.0	50	52	67.9	.07	.8
MAR 08...	--	20	.0	--	--	1.7	52	47	66.7	.07	.8
JUN 01...	40	0	.0	.0	.0	1.9	49	48	60.5	.07	.7
SEP 13...	90	0	<.5	.0	<.5	2.1	66	59	77.5	.09	1.1

DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SILICA (SIO ₂) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	DIS- SOLVED SULFATE (SO ₄) (MG/L)	TUR- BID- ITY (JTU)	DIS- SOLVED ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)
DEC 01...	0	0	0	9.8	8.0	44	7.7	10	10	0	0
MAR 08...	0	--	--	8.5	7.2	46	7.2	9	10	--	--
JUN 01...	0	0	0	3.8	7.4	41	7.7	3	10	0	10
SEP 13...	0	0	0	8.9	11	52	8.0	5	0	0	0

Santee River Basin

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02171500 Santee River Near Pineville, S.C.--Continued

Water-Quality Data, Water Year October 1976 to September 1977

DATE	TIME	DIS- SOLVED RA-226 (RADON METHOD) (PC/L)	DIS- SOLVED URANIUM (U) (UG/L)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENDE GROSS ALPHA AS U-NAT. (UG/L)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS- PENDE GROSS BETA AS SR90 /Y90 (PC/L)	DIS- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENDE GROSS BETA AS CS-137 (PC/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
JAN 11...	1230	.09	.03	<.7	2.2	2.7	1.1	3.4	1.3	55	23

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT 05...	1135	509	6	8.2	100
NOV 03...	1330	984	8	21	100
DEC 01...	1245	503	7	9.5	100
JAN 11...	1230	16430	15	665	100
FEB 09...	1245	595	7	11	100
MAR 08...	1240	475	8	11	100
APR 06...	1225	19960	23	1240	100
MAY 04...	1230	638	10	17	100
JUN 01...	1200	457	8	9.9	100
JUL 12...	1155	692	6	11	100
AUG 09...	1200	432	4	4.7	100
SEP 13...	1135	435	6	7.0	100

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 1976 TO SEPTEMBER 1977

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT 27...	1100	13.5	2.8	320	7.1
NOV 29...	1105	16.5	2.1	200	6.8
DEC 27...	1145	7.0	9.4	90	6.5
JAN 27...	1100	5.5	8.2	140	6.7
FEB 23...	1045	8.5	6.2	240	7.3
MAR 31...	1100	19.0	2.9	220	7.0
APR 28...	0940	15.5	2.0	30	7.4
MAY 26...	0940	21.5	3.0	390	7.6
JUN 22...	0945	24.5	.4	850	8.0
JUL 27...	0930	23.0	1.7	750	7.8
AUG 30...	0930	23.0	1.7	740	8.4
SEP 28...	1055	22.0	2.2	550	8.0

DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	INSTAN- TANEOUS DIS- CHARGE (CFS)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TUR- BID- ITY (MG/L)
OCT 27...	1100	9.0	6.6	510	700	70	0	60	5.5	3	8
NOV 29...	1105	10	6.5	560	870	80	0	80	9.5	2	9
DEC 27...	1145	4.0	19	330	400	30	0	30	13	4	10
JAN 27...	1100	7.5	15	400	580	50	0	40	9.3	5	5
FEB 23...	1045	23	7.6	590	880	60	0	40	6.7	6	14
MAR 31...	1100	21	--	950	2100	240	0	180	10	13	12
APR 28...	0940	45	3.6	660	1000	80	0	80	3.5	16	15
MAY 26...	0940	19	5.1	380	630	70	0	70	2.8	8	12
JUN 22...	0945	>50	6.4	210	660	50	0	50	2.5	13	42
JUL 27...	0930	47	6.0	240	630	70	20	90	4.5	32	17
AUG 30...	0930	27	6.5	460	870	80	0	80	5.0	16	15
SEP 28...	1055	6.0	9.1	460	730	60	0	60	6.0	30	4

SANTÉE RIVER BASIN

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02171650 SANTÉE RIVER BELOW ST. STEPHENS, S.C.

LOCATION.--Lat. 33°24'05", long 79°51'20", Berkeley County, Hydrologic Unit 03050112, on right bank, 600 ft (180 m) downstream from Mattassee Lake, on Tract 13P of Francis Marion National Forest, 3.9 mi (6.3 km) east of St. Stephens, and at mile 52.0 (83.7 km).

DRAINAGE AREA.--14,900 mi² (38,600 km²), approximately.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 0.23 ft (.070 m) above mean sea level.

REMARKS.--Records good.

AVERAGE DISCHARGE.--11 years, 2,974 ft³/s (84.22 m³/s), 2.71 in/yr (69 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 98,900 ft³/s (2,800 m³/s) Mar. 21, 22, 1975; gage height, 29.67 ft (9.043 m); minimum daily, 491 ft³/s (13.91 m³/s) Aug. 2, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 58,900 ft³/s (1,670 m³/s) Oct. 17, gage height, 25.93 ft (7.903 m); minimum daily 561 ft³/s (15.9 m³/s) Aug. 13, 14, Sept. 2, 3.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	631	11800	854	26000	1780	925	13200	757	701	645	596	568
2	638	7380	797	11000	1480	869	18300	750	722	645	631	561
3	638	3540	775	5850	1280	855	23300	743	680	645	785	561
4	630	1990	762	3790	1160	869	40800	743	680	645	862	568
5	624	1630	750	2880	1090	960	47300	743	680	631	918	603
6	624	2070	743	2420	1210	1080	47600	736	680	631	876	631
7	621	1660	768	2750	1080	1480	44400	736	701	624	792	659
8	611	1510	931	7360	974	1930	40400	736	680	631	694	792
9	610	2080	3080	11900	924	1870	35300	736	673	631	631	841
10	610	1350	9120	13700	896	1620	31500	722	708	631	603	736
11	610	1240	14600	15600	875	1420	29800	722	694	631	582	652
12	610	991	18900	17900	853	1280	29200	715	659	624	568	624
13	610	892	21300	19700	847	1200	24500	715	652	624	561	617
14	8830	849	23400	21700	825	1160	13100	715	645	624	561	617
15	16300	826	27700	23800	813	1110	6440	708	673	638	568	617
16	28000	812	36500	26800	797	1060	3750	708	666	617	575	617
17	46400	793	41400	27800	785	1000	2320	708	659	603	582	610
18	50200	786	43900	27700	785	960	1430	708	652	603	582	582
19	42900	793	46100	27100	778	1110	1290	708	652	673	575	568
20	38000	766	47200	26300	767	995	1140	708	645	638	575	568
21	33700	754	47100	26000	828	960	1020	680	645	610	575	568
22	30500	810	47800	26100	811	1370	954	673	638	624	575	568
23	28500	1040	46200	24800	754	2400	911	673	631	617	575	575
24	27200	851	40200	16200	787	2040	897	687	631	589	747	575
25	26400	763	36700	10300	925	1650	904	701	638	589	575	575
26	25500	749	33900	6930	988	1420	925	708	652	589	575	568
27	21500	761	32300	5400	981	1270	932	729	652	603	575	582
28	16400	794	31600	4530	960	1170	834	722	645	603	575	596
29	14700	840	31300	3730	---	1140	806	722	645	610	575	596
30	13300	881	30400	2790	---	1150	785	708	645	652	568	596
31	12200	---	28400	2330	---	4640	---	708	---	617	568	---
TOTAL	488597	52001	745480	451160	27033	42963	464038	22228	19924	19337	19600	18391
MEAN	15760	1733	24050	14550	965	1386	15470	717	664	624	632	613
MAX	50200	11800	47800	27800	1780	4640	47600	757	722	673	918	841
MIN	610	749	743	2330	754	855	785	673	631	589	561	561

CAL YR 1976 TOTAL 1489318 MEAN 4069 MAX 50200 MIN 575

WTR YR 1977 TOTAL 2370752 MEAN 6495 MAX 50200 MIN 561

SANTÉE RIVER BASIN

02171650 SANTÉE RIVER BELOW ST. STEPHENS, S.C.--Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)						
OCT 27...	0945	15.0	5.1	80	6.4						
NOV 29...	1145	15.0	10.7	95	6.3						
DEC 27...	1100	7.0	10.4	67	7.0						
JAN 27...	1200	4.0	11.8	75	6.5						
FEB 23...	1155	9.0	11.0	85	6.8						
MAR 31...	1205	19.0	8.6	84	6.8						
APR 28...	1030	20.5	7.4	94	6.8						
MAY 26...	1030	23.0	7.6	95	7.0						
JUN 22...	1045	30.0	5.4	89	7.3						
JUL 27...	1030	28.0	6.8	91	7.2						
AUG 30...	1030	27.0	6.9	110	7.2						
SEP 28...	1005	26.0	6.9	112	7.0						

DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	INSTAN- TANEOUS DIS- CHARGE (CFS)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TUR- BID- ITY (MG/L)
OCT 27...	0945	3.0	4.4	280	690	60	0	30	20000	2	15
NOV 29...	1145	13	7.1	750	2100	190	10	200	848	12	13
DEC 27...	1100	.0	6.4	210	860	10	10	20	30200	13	18
JAN 27...	1200	.5	6.0	210	760	10	0	10	5370	4	14
FEB 23...	1155	3.0	8.1	510	1700	230	0	220	757	0	10
MAR 31...	1205	6.0	--	330	3200	120	20	140	3560	41	20
APR 28...	1030	1.0	5.0	820	2600	320	0	290	862	11	15
MAY 26...	1030	.5	4.7	270	1000	120	10	130	764	4	7
JUN 22...	1045	11	5.6	120	1000	90	20	110	778	4	10
JUL 27...	1030	7.0	6.3	150	800	110	20	130	757	7	6
AUG 30...	1030	2.0	5.1	130	690	90	0	90	750	3	6
SEP 28...	1005	1.0	6.1	280	680	100	10	110	792	4	5

SANTEE 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 below 10 ft³/s (0.28 m³/s), which are poor.

AVERAGE DISCHARGE.--9 years, 10.4 ft³/s (0.295 m³/s), 8.14 in/yr (207 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 year 1966-69, Aug. 14, 1973, Oct. 27 - Nov. 7, 1974.

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)	
Dec. 12	1800	*198	5.61	*4.31	1.314
Mar. 7	1900	185	5.24	4.26	1.298

No flow many days in Oct., June, July, and Aug.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	1.9	13	27	27	12	7.0	.76	.64	.00	.16	.56
2	.00	1.7	11	22	24	9.5	5.9	.71	4.1	.00	1.7	.40
3	.00	1.4	9.6	25	20	8.0	5.1	.73	2.1	.08	5.1	.48
4	.00	1.2	8.4	57	20	15	4.2	.74	1.0	.00	5.7	.72
5	.00	1.1	7.3	61	18	47	3.7	.61	.64	.00	2.1	.96
6	.00	1.0	6.4	50	16	57	3.2	.50	.48	.00	.96	1.2
7	.00	1.0	19	55	14	136	2.8	.42	2.1	.00	.40	1.4
8	.00	.96	41	62	12	155	2.5	.43	1.1	.00	.24	1.2
9	12	.96	42	51	11	99	2.2	.38	.64	.00	.08	1.4
10	6.6	.96	32	45	10	66	2.0	.32	.32	.00	.00	1.1
11	1.4	1.0	26	41	9.5	50	1.9	.32	.24	.00	.08	.88
12	.32	1.0	132	31	9.0	40	1.8	.30	.16	.00	.08	.56
13	.00	1.0	180	26	8.8	33	1.7	.24	.00	.00	.80	.48
14	.00	1.0	139	28	8.5	29	1.6	.22	.00	.00	1.7	.48
15	.00	1.4	107	50	7.6	23	1.5	.15	.32	.00	1.6	.40
16	2.6	1.8	108	49	6.9	18	1.3	.14	.40	.00	2.4	.48
17	45	2.1	82	39	6.1	14	1.2	.14	.24	1.2	1.1	.88
18	80	2.6	62	32	5.4	12	1.1	.12	.00	.80	.80	.72
19	36	2.2	47	26	5.2	9.9	1.0	.06	.00	.24	1.2	.48
20	20	1.8	43	21	5.0	9.0	.98	.48	.16	.08	.96	.40
21	19	1.6	47	19	4.3	9.5	.93	.32	.40	.00	.80	.32
22	8.2	1.4	51	17	3.9	38	1.6	.24	.00	.00	.48	.40
23	4.3	1.2	54	16	3.5	43	1.5	.40	.16	.08	.32	.32
24	3.3	1.1	38	15	13	34	4.6	1.4	.08	.00	.80	.32
25	2.9	1.1	21	30	20	25	2.2	1.7	.16	.00	1.4	.32
26	4.8	1.5	38	38	15	19	1.4	2.9	.56	.56	1.3	.24
27	4.3	6.4	57	36	12	14	1.1	8.2	.48	1.3	1.4	.32
28	2.8	16	49	47	13	11	.94	9.2	.16	.64	1.5	.48
29	2.2	24	45	47	---	9.6	.85	2.4	.00	.24	1.4	.24
30	2.1	17	41	38	---	8.1	.83	1.4	.00	.64	1.1	.32
31	2.1	---	32	31	---	8.1	---	.96	---	.16	.88	---
TOTAL	259.92	99.38	1588.7	1132	328.7	1061.7	68.63	36.89	16.64	6.02	38.54	18.46
MEAN	8.38	3.31	51.2	36.5	11.7	34.2	2.29	1.19	.55	.19	1.24	.62
MAX	80	24	180	62	27	155	7.0	9.2	4.1	1.3	5.7	1.4
MIN	.00	.96	6.4	15	3.5	8.0	.83	.06	.00	.00	.00	.24
CFSM	.48	.19	2.94	2.10	.67	1.97	.13	.07	.03	.01	.07	.04
IN.	.56	.21	3.40	2.42	.70	2.27	.15	.08	.04	.01	.08	.04
CAL YR 1976	TOTAL	3895.66	MFAN	10.6	MAX	180	MIN	.00	CFSM	.61	IN	8.33
WTR YR 1977	TOTAL	4655.58	MFAN	12.8	MAX	180	MIN	.00	CFSM	.74	IN	9.95

Note: Backwater from Santee River Apr. 5-11.

COOPER RIVER BASIN

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 at mean sea level (levels by South Carolina Public Service Authority). Prior to May 16, 1942 and Feb. 25 to Dec. 14, 1970, nonrecording gage and May 17, 1942 to Sept. 30, 1963, water-stage recorder at same site at datum 0.25 ft (.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 19,600,000,000 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, 75.76 ft (23.092 m) Nov. 5; minimum, 73.04 ft (22.263 m) Sept. 14.

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, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75.08	75.65	74.00	75.07	74.83	74.08	74.32	74.86	74.74	74.24	73.09	73.12
2	75.12	75.64	74.03	75.04	74.71	74.06	73.93	74.77	74.89	74.37	73.25	73.15
3	75.19	75.65	74.01	75.17	74.57	74.01	73.62	74.71	74.86	74.41	73.34	73.20
4	75.12	75.66	74.04	75.16	74.53	74.05	73.41	74.62	74.71	74.44	73.42	73.25
5	75.07	75.68	74.17	75.16	74.33	74.09	73.63	74.55	74.72	74.26	73.42	73.30
6	74.96	75.61	74.23	75.14	74.15	74.01	73.71	74.43	74.71	74.23	73.38	73.24
7	74.88	75.62	74.50	75.24	73.96	73.91	73.85	74.60	74.82	74.15	73.38	73.12
8	74.80	75.53	74.67	75.16	73.93	73.71	74.06	74.58	74.78	74.06	73.36	73.07
9	74.72	75.40	74.70	75.09	74.03	73.54	74.17	74.63	74.65	74.05	73.36	73.10
10	74.46	75.32	74.71	75.16	74.00	73.49	74.29	74.52	74.78	74.05	73.28	73.14
11	74.16	75.23	74.74	74.93	73.96	73.50	74.40	74.49	74.78	73.99	73.24	73.21
12	73.59	75.17	74.96	74.76	73.95	73.67	74.53	74.58	74.77	73.93	73.32	73.25
13	73.27	75.06	75.07	74.57	74.00	73.76	74.65	74.62	74.66	73.84	73.40	73.33
14	73.33	74.96	75.14	74.57	73.88	73.65	74.73	74.67	74.73	73.81	73.60	73.06
15	73.57	74.91	75.23	74.61	73.74	73.57	74.83	74.67	74.79	73.77	73.69	73.08
16	73.94	74.82	75.24	74.81	73.81	73.54	74.85	74.67	74.73	73.69	73.49	73.12
17	74.46	74.80	75.18	74.81	73.98	73.51	74.84	74.71	74.60	73.65	73.41	73.17
18	74.73	74.75	75.10	74.92	73.77	73.57	74.82	74.55	74.59	73.61	73.41	73.18
19	74.99	74.75	75.04	74.93	73.78	73.58	74.81	74.45	74.60	73.53	73.41	73.17
20	75.33	74.79	75.13	74.95	73.80	73.64	74.79	74.53	74.58	73.49	73.49	73.16
21	75.40	74.88	75.05	74.97	73.74	73.75	74.82	74.61	74.45	73.37	73.45	73.29
22	75.43	74.88	75.00	74.96	73.75	73.85	74.81	74.65	74.38	73.41	73.28	73.31
23	75.45	74.78	75.11	75.02	73.81	73.79	74.81	74.70	74.43	73.29	73.20	73.47
24	75.49	74.71	75.14	75.16	73.92	73.75	74.83	74.74	74.54	73.25	73.32	73.56
25	75.55	74.64	75.21	75.19	73.94	73.75	74.83	74.73	74.34	73.21	73.30	73.59
26	75.61	74.61	75.37	75.12	73.99	73.85	74.88	74.80	74.38	73.25	73.35	73.59
27	75.65	74.50	75.29	75.12	74.11	73.99	74.79	74.85	74.18	73.25	73.30	73.54
28	75.66	74.42	75.24	75.12	74.14	74.15	74.79	74.84	74.02	73.21	73.25	73.54
29	75.67	74.37	75.24	75.09	---	74.32	74.83	74.89	74.02	73.37	73.23	73.45
30	75.65	74.20	75.09	75.00	---	74.44	74.85	74.99	74.10	73.41	73.16	73.43
31	75.71	---	75.08	74.95	---	74.51	---	74.93	---	73.20	73.12	---
MAX	75.71	75.68	75.37	75.24	74.83	75.51	74.88	74.99	74.89	74.44	73.69	73.59
MIN	73.27	74.20	74.01	74.57	73.74	73.49	73.41	74.43	74.02	73.20	73.09	73.06
(†)	30.20	26.26	28.53	28.19	26.10	27.05	27.93	28.13	26.00	23.76	23.56	24.33
(‡)	661	-1,520	848	-127	-864	355	340	75	-822	-836	-75	297

CAL YR 1976 * 308 MAX 75.71 MIN 70.00
WTR YR 1977 * 130 MAX 75.71 MIN 73.06

(†) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.
(‡) CHANGE IN CONTENTS, EQUIVALENT IN CUBIC FEET PER SECOND.

02172017 WEST BRANCH COOPER RIVER AT LEWISFIELD PLANTATION NEAR MONCK'S CORNER, S.C.

LOCATION.--Lat 33°10'14", long 79°58'46", Berkeley County, Hydrologic Unit 03050201, at Lewisfield Plantation on right bank, 1.8 mi (2.9 km) southwest of Moncks Corner, 1.8 mi (2.9 km) downstream from Stony Landing, 4.5 mi (7.2 km) upstream from Molly Branch, and at mile 42.5 (68.4 km).

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

PERIOD OF DAILY RECORD.--

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

INSTRUMENTATION.--Servo Programmer since November 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE (TOP): Maximum, >30.5°C July 10, 14-16, 20, 22, 1977; minimum, 3.0°C Jan. 22, 1977.

WATER TEMPERATURE (BOTTOM): Maximum, >30.5°C July 9-10, 14-17, 20, 22, 1977; minimum, 3.0°C Jan. 22, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE (TOP): Maximum, >30.5°C July 10, 14-16, 20, 22; minimum, 3.0°C Jan. 22.

WATER TEMPERATURE (BOTTOM): Maximum, >30.5°C July 9-10, 14-17, 20, 22; minimum, 3.0°C Jan. 22.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

(TOP)

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

COOPER RIVER BASIN

02172017 WEST BRANCH COOPER RIVER AT LEWISFIELD PLANTATION NEAR MONCK'S CORNER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

(TOP)

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	24.5	23.5	24.0	30.5	28.5	29.0	28.5	28.0	28.5	28.5	27.5	28.0
2	25.5	23.5	24.5	29.5	28.5	29.0	28.5	28.0	28.5	28.5		28.0
3	26.0	24.5	25.0	29.0	28.5	29.0	28.5	28.0	28.0	28.5	27.5	28.0
4	25.0	23.5	24.5	29.0	28.0	28.5	29.0	27.5	28.5	28.5	27.5	28.0
5	25.0	24.0	24.5	29.0	28.0	28.5	29.0	28.0	28.5	29.0	27.5	28.0
6	26.0	24.5	25.0	29.5	28.5	28.5	28.5	27.5	28.5	29.5	28.0	28.5
7	26.0	25.5	26.0	30.0	28.5	29.0	29.5	28.0	28.5	30.0	28.5	29.0
8	26.0	25.5	25.5	30.0	28.5	29.0	29.5	28.0	28.5	29.0	28.5	28.5
9	25.5	24.5	25.0	30.0	28.5	29.0	29.5	28.5	29.0	29.0	28.0	28.5
10	25.5	25.0	25.5	---	29.0	---	29.5	28.5	29.0	30.0	28.0	28.5
11	26.0	25.0	25.5	30.0	29.0	29.5	29.5	28.5	29.0	29.5	28.0	28.5
12	26.0	25.0	25.5	30.0	29.0	29.5	30.0	28.5	29.0	28.5	27.5	28.0
13	25.5	25.0	25.5	29.5	29.0	29.5	29.5	28.5	29.0	28.5	26.5	27.5
14	25.5	25.0	25.0	---	29.0	---	29.0	28.0	28.5	28.0	27.0	27.5
15	25.5	25.0	25.5	---	29.5	---	29.0	28.0	28.5	28.0	27.0	27.5
16	26.0	25.5	25.5	---	29.5	---	29.5	28.5	29.0	28.0	27.5	27.5
17	26.0	25.5	25.5	30.0	29.5	29.5	29.5	28.5	29.0	28.0	27.0	27.5
18	26.0	25.5	26.0	30.0	29.5	29.5	29.5	29.0	29.0	28.0	27.0	27.5
19	28.5	25.5	26.5	30.0	29.5	30.0	29.0	28.5	28.5	28.0	27.5	27.5
20	27.5	26.5	27.0	---	29.5	---	29.0	27.5	28.5	28.0	27.5	27.5
21	27.5	27.0	27.0	30.5	29.5	30.0	29.0	27.5	28.5	28.0	27.0	27.5
22	27.5	27.0	27.0	---	30.0	---	28.5	27.5	28.5	28.0	27.0	27.5
23	28.0	26.5	27.5	30.5	29.5	30.0	28.5	27.5	28.0	28.5	27.5	28.0
24	28.5	27.0	27.5	30.0	29.5	29.5	28.5	28.0	28.0	28.0	27.0	28.0
25	27.5	27.0	27.0	30.0	29.0	29.5	28.5	28.0	28.0	29.0	27.5	28.0
26	28.0	27.0	27.5	29.5	29.0	29.0	28.0	27.5	28.0	28.5	27.5	28.0
27	28.0	27.0	27.5	29.5	28.5	29.0	29.0	27.5	28.0	28.5	27.5	28.0
28	28.5	27.5	28.0	29.0	28.0	28.5	29.0	27.5	28.0	28.5	27.5	28.0
29	29.0	27.5	28.5	28.5	28.0	28.5	29.0	27.5	28.0	28.0	26.5	27.5
30	30.0	28.5	29.0	29.0	27.5	28.5	28.5	27.5	28.0	27.5	26.5	27.0
31	---	---	---	29.0	28.0	28.5	29.0	27.5	28.0	---	---	---
YEAR	30.5	3.0	18.0									

U2172017 WEST BRANCH COOPER RIVER AT LEWISFIELD PLANTATION NEAR MONCK'S CORNER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

(BOTTOM)

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

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

COOPER RIVER BASIN

02172017 WEST BRANCH COOPER RIVER AT LEWISFIELD PLANTATION NEAR MONCK'S CORNER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

(BOTTOM)

[illegible]

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

LOCATION.--Lat 33°05'54", long 79°57'17", Berkeley County, Hydrologic Unit 03050201, at Pimlico on right bank, 1.1 mi (1.8 km) upstream from Seaboard Coast Line Railroad Bridge, 2.1 mi (3.4 km) downstream from Molly Branch, 7.8 mi (12.5 km) southwest of Moncks Corner, and at mile 35.4 (57.0 km).

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

PERIOD OF DAILY RECORD.--

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

INSTRUMENTATION.--Servo Programmer since August 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE (TOP): Maximum, >30.5°C July 11-23, 1977; minimum, 3.0°C Jan. 20-23, 26, 30, Feb. 1, 1977.

WATER TEMPERATURE (BOTTOM): Maximum, 31.0°C July 7, 9, 20, 21, 1977; minimum 3.0°C Jan. 22, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE (TOP): Maximum, >30.5°C July 11-23; minimum, 3.0°C Jan. 20-23, 26, 30, Feb. 1.

WATER TEMPERATURE (BOTTOM): Maximum, 31.0°C July 7, 9, 20, 21; minimum, 3.0°C Jan. 22.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

(BOTTOM)

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

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

COOPER RIVER BASIN

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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.

WATER TEMPERATURE: October 1970 to current year.

INSTRUMENTATION.--Servo Programmer since October 1970.

REMARKS.--Top and bottom temperature measurements started in July 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, greater than 516 micromhos Oct. 9-19, 1971; minimum, 43 micromhos Apr. 16, 20, 23-25, May 2, 1975.
WATER TEMPERATURE: Maximum, 33.0°C July 18, 19, 1971; minimum, 3.0°C Jan. 22, 23, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 244 micromhos May 24; minimum, 59 micromhos Jan. 2.
WATER TEMPERATURE (Bottom): Maximum, >30.5°C July 7, 8, 10-23; minimum, 3.5°C Jan. 21-24, 26.
WATER TEMPERATURE (Top): Maximum, >30.5°C July 7-23, 29, 30; minimum, 3.0°C Jan. 22, 23.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	80	76	78	73	71	72	72	70	71	68	64	66
2	79	76	78	72	70	71	71	65	68	67	59	64
3	80	77	78	71	70	70	70	67	68	70	67	69
4	79	76	78	71	69	71	70	64	67	69	64	67
5	79	76	77	69	64	67	71	67	69	69	63	67
6	79	77	78	67	63	66	75	67	71	69	65	68
7	84	76	81	66	64	65	77	75	76	70	67	68
8	84	79	82	66	65	66	76	73	74	68	66	67
9	94	80	82	67	65	66	73	69	72	68	67	68
10	81	79	80	68	64	66	71	67	68	69	66	67
11	80	76	79	71	65	68	77	70	73	68	66	67
12	79	76	78	75	67	69	79	72	76	68	67	67
13	79	74	77	69	67	68	78	73	75	68	66	67
14	81	76	78	68	67	68	75	70	73	70	66	68
15	81	76	79	69	67	68	77	71	74	68	66	67
16	81	76	78	70	67	69	76	73	75	70	64	67
17	82	77	79	72	67	70	73	68	71	67	64	66
18	80	76	79	70	67	69	72	67	70	66	64	65
19	80	78	79	70	64	69	72	68	70	65	64	64
20	85	77	81	70	66	69	74	70	72	65	63	64
21	82	80	81	71	66	69	73	69	72	64	63	64
22	80	79	80	71	66	69	74	68	72	65	63	64
23	81	78	80	69	65	68	71	66	69	65	62	64
24	83	81	82	68	66	67	72	68	71	65	62	64
25	81	77	79	69	67	68	73	70	72	65	63	64
26	81	78	80	73	66	70	77	68	73	65	62	63
27	81	73	78	76	72	75	73	69	72	65	63	64
28	77	73	74	77	72	75	74	71	72	65	64	64
29	76	74	76	76	72	74	72	69	71	64	61	63
30	77	71	74	73	71	72	71	69	70	64	62	63
31	74	70	72	---	---	---	72	68	71	64	61	63

COOPER RIVER BASIN

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	64	61	62	73	68	71	69	63	66	75	72	74
2	64	61	63	75	67	71	74	63	68	75	72	73
3	64	61	63	78	72	75	72	63	66	74	71	73
4	65	61	63	80	72	76	75	63	70	74	71	73
5	64	61	62	75	72	73	73	62	67	75	71	73
6	64	62	63	75	71	73	72	62	67	75	71	73
7	64	62	63	72	69	70	75	64	70	75	72	73
8	64	62	62	70	67	68	77	66	71	76	72	73
9	64	61	63	68	66	67	79	66	71	75	72	74
10	64	62	63	68	66	67	78	67	72	74	71	73
11	66	63	65	67	67	67	76	64	71	73	69	71
12	67	65	66	69	66	67	78	67	73	72	69	70
13	67	64	66	71	67	68	79	71	75	73	69	72
14	66	63	65	72	67	69	75	73	74	77	71	74
15	66	64	65	76	69	71	76	74	75	88	72	78
16	71	65	67	76	68	72	76	74	75	112	73	86
17	68	64	65	77	70	72	76	74	75	107	73	87
18	66	64	65	76	70	73	75	74	75	93	72	81
19	68	65	66	73	69	71	76	74	75	79	70	72
20	68	66	67	81	69	72	75	74	75	73	69	71
21	68	65	66	79	69	72	75	74	75	91	70	77
22	67	64	66	75	68	71	76	74	75	103	72	85
23	68	66	67	72	66	69	75	74	74	122	74	94
24	74	68	70	72	66	69	75	73	74	244	72	121
25	71	68	69	74	65	68	73	72	73	156	72	97
26	73	69	71	70	65	67	76	71	73	103	72	86
27	75	70	73	69	64	66	74	71	73	106	72	87
28	75	68	73	70	64	66	74	71	72	102	72	85
29	---	---	---	71	64	66	75	72	73	101	70	81
30	---	---	---	71	64	67	76	73	74	111	69	82
31	---	---	---	72	63	67	---	---	---	167	71	100

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	149	71	97	91	77	79	142	103	115	90	74	81
2	104	70	78	83	77	79	116	102	109	88	75	80
3	89	71	77	84	79	81	115	101	105	84	75	80
4	87	70	77	89	78	82	123	88	104	83	76	79
5	80	70	73	82	78	80	98	71	80	82	76	79
6	76	70	72	81	78	79	80	73	77	88	76	80
7	78	69	72	81	78	79	83	76	79	82	76	78
8	78	69	74	82	78	80	88	78	82	85	75	78
9	78	70	73	84	78	80	86	74	80	81	75	77
10	76	70	72	83	79	81	80	75	77	89	75	81
11	79	69	73	83	79	81	80	76	78	111	76	86
12	81	69	75	82	79	80	79	76	78	216	79	86
13	82	72	76	82	79	81	82	77	79	207	82	124
14	80	70	74	83	80	81	87	77	81	198	76	140
15	81	71	77	83	78	80	91	76	82	92	73	77
16	82	76	78	84	78	80	92	76	80	81	73	76
17	82	75	78	82	78	79	79	74	76	80	74	76
18	78	75	76	81	77	79	79	74	76	79	74	77
19	78	74	76	81	77	78	79	74	76	81	74	77
20	78	74	76	80	77	78	78	74	76	82	74	77
21	78	75	76	80	77	78	90	75	79	80	76	77
22	79	75	76	79	76	78	96	75	83	78	75	77
23	79	75	77	83	76	79	79	73	76	79	75	77
24	79	75	77	81	75	78	77	73	75	82	74	77
25	79	75	77	84	75	78	90	74	78	81	73	77
26	79	76	77	84	77	80	132	77	94	84	75	78
27	80	76	78	133	73	86	159	78	107	80	74	77
28	80	76	78	200	83	127	135	76	99	78	74	76
29	79	75	77	223	109	150	127	76	96	78	74	76
30	79	76	77	201	114	153	110	76	89	78	74	76
31	---	---	---	155	92	119	97	75	83	---	---	---
YEAR	244	59	75									

COOPER RIVER BASIN

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02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

(TOP)

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

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

COOPER RIVER BASIN

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

(TOP)

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	26.0	25.5	26.0	30.0	29.0	29.5	29.5	29.0	29.5	29.5	28.5	29.0
2	26.0	25.0	25.5	29.5	29.0	29.0	29.5	28.5	29.0	29.5	28.5	29.0
3	26.5	25.5	26.0	29.5	28.5	29.0	29.0	28.0	28.5	29.0	28.0	28.5
4	26.5	25.5	26.5	29.5	28.5	29.0	29.0	27.5	28.5	28.5	28.0	28.5
5	26.5	25.5	26.0	29.5	29.0	29.5	29.5	28.5	29.0	28.5	27.5	28.0
6	26.5	25.5	26.0	30.0	28.5	29.5	30.0	29.0	29.5	28.5	28.0	28.5
7	26.0	25.0	25.5	---	29.0	---	30.0	29.0	29.5	29.0	28.5	29.0
8	25.5	24.5	25.5	---	29.5	---	30.0	29.0	29.5	29.0	29.0	29.0
9	26.0	25.0	25.5	---	29.5	---	30.0	29.5	29.5	29.0	28.5	29.0
10	25.5	25.0	25.0	---	29.5	---	30.0	29.5	30.0	29.0	28.0	28.5
11	25.5	25.0	25.0	---	30.0	---	30.0	29.5	30.0	29.0	28.0	28.5
12	26.5	25.5	26.0	---	30.0	---	30.5	29.5	30.0	28.5	28.0	28.0
13	27.0	26.0	26.5	---	30.0	---	30.5	30.0	30.0	28.5	27.0	28.0
14	27.0	26.5	26.5	---	---	---	30.0	29.0	29.5	28.5	27.5	28.0
15	27.0	26.0	26.5	---	---	---	29.5	28.5	29.0	28.5	27.5	28.0
16	27.0	26.0	26.5	---	---	---	30.0	28.5	29.0	28.5	27.5	28.0
17	27.0	26.0	26.5	---	---	---	30.0	29.0	29.5	28.5	27.5	28.0
18	27.0	26.0	26.5	---	30.0	---	30.0	29.5	29.5	28.5	28.0	28.0
19	27.0	26.0	26.5	---	---	---	29.5	28.5	29.0	28.5	27.5	28.0
20	27.5	26.5	27.0	---	29.5	---	28.5	27.5	28.5	28.0	27.5	28.0
21	28.0	27.0	27.5	---	---	---	28.5	27.5	28.0	28.0	27.5	28.0
22	28.5	27.5	28.0	---	---	---	28.5	28.0	28.0	28.0	27.0	27.5
23	28.5	27.5	28.0	---	29.5	---	29.0	28.0	28.5	27.5	27.0	27.0
24	28.0	27.0	27.5	30.0	29.0	30.0	29.0	28.5	28.5	27.0	27.0	27.0
25	28.0	27.5	27.5	30.0	29.0	29.5	28.5	28.0	28.5	27.5	27.0	27.0
26	28.0	27.5	27.5	29.5	29.0	29.5	28.5	28.0	28.0	28.0	27.0	27.5
27	28.5	27.5	27.5	29.5	29.0	29.0	28.5	28.0	28.5	28.0	27.0	27.5
28	29.0	28.0	28.5	29.0	28.5	28.5	29.0	28.0	28.5	27.5	27.0	27.5
29	29.0	28.5	28.5	28.5	28.5	28.5	29.0	28.5	29.0	27.5	26.5	27.0
30	29.5	28.5	29.0	29.0	28.0	28.5	29.5	28.5	29.0	27.0	26.5	26.5
31	---	---	---	29.5	28.5	29.0	29.5	28.5	29.0	---	---	---
YEAR	30.5	3.0	18.0									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

(BOTTOM)

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

(BOTTOM)

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

EDISTO RIVER BASIN

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) above mean sea level (levels by Corps of Engineers). Prior to Feb. 23, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good. About 7.9 ft³/s (0.22 m³/s) diverted by City of Orangeburg for municipal supply.

AVERAGE DISCHARGE.--39 years, 800 ft³/s (22.7 m³/s), 15.91 in/yr (404 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, 2,600 ft³/s (73.6 m³/s), Dec. 17, gage height 9.02 ft (2.749 m); minimum, 378 ft³/s (10.7 m³/s) July 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	618	718	1210	1240	1000	1170	1110	617	962	457	457	882
2	660	708	1120	1180	967	1220	1080	600	850	451	502	890
3	710	699	1020	1130	944	1140	1050	586	713	467	585	791
4	702	685	1080	1220	937	1070	1030	578	604	459	854	732
5	652	669	1210	1310	923	1160	1050	570	553	468	1260	782
6	623	655	1110	1340	892	1360	1050	561	522	474	1270	836
7	607	646	1100	1330	870	1600	1050	553	521	462	1010	791
8	589	636	1120	1320	856	1700	995	546	511	443	878	732
9	596	627	1140	1330	838	1650	935	537	484	424	743	670
10	632	621	1110	1320	832	1470	888	521	464	410	686	630
11	667	619	1080	1320	826	1320	861	510	452	400	656	642
12	688	617	1420	1390	824	1290	838	499	448	388	644	672
13	696	619	2150	1450	820	1500	797	491	438	394	650	650
14	702	622	2330	1430	816	1720	756	486	462	387	712	609
15	773	659	2200	1610	812	1760	728	478	532	391	764	589
16	819	706	2120	1620	807	1490	709	472	593	404	954	611
17	779	812	2520	1430	783	1270	694	466	608	401	1000	603
18	721	944	2370	1270	764	1350	683	463	623	392	944	572
19	681	1000	1890	1120	760	1390	681	459	610	386	925	557
20	754	969	1660	1150	751	1270	680	467	606	406	955	539
21	900	1030	1610	1120	737	1200	671	507	599	395	1100	525
22	1100	1090	1460	1110	725	1620	657	523	605	384	1120	524
23	1280	969	1300	1060	727	1950	650	521	622	437	948	518
24	1230	849	1190	1030	790	1970	668	536	637	460	782	507
25	1030	775	1110	1050	888	1730	699	571	609	447	694	498
26	948	739	1230	1070	965	1610	721	608	609	433	696	496
27	959	757	1350	1080	985	1700	711	746	600	444	678	509
28	940	898	1460	1080	1050	1540	672	842	544	439	634	536
29	850	1100	1450	1060	---	1330	647	896	492	438	638	543
30	776	1240	1310	1040	---	1200	633	851	467	451	717	545
31	735	---	1240	1030	---	1170	---	894	---	455	755	---
TOTAL	24417	23678	45670	38240	23889	44920	24394	17955	17340	13247	25211	18981
MEAN	788	789	1472	1234	853	1449	813	579	578	427	813	633
MAX	1280	1240	2520	1620	1050	1970	1110	896	962	474	1270	890
MIN	589	617	1020	1030	725	1070	633	459	438	384	457	496
CFSM	1.15	1.16	2.14	1.81	1.25	2.12	1.19	.85	.85	.63	1.19	.93
IN.	1.33	1.29	2.49	2.08	1.30	2.45	1.33	.98	.94	.72	1.37	1.03

CAL YR 1976 TOTAL 328660 MEAN 898 MAX 2610 MIN 475 CFSM 1.32 IN 17.90
WTR YR 1977 TOTAL 317942 MEAN 871 MAX 2520 MIN 384 CFSM 1.28 IN 17.32

EDISTO RIVER BASIN

159

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) above mean sea level (levels by Corps of Engineers). Prior to May 19, 1949, at datum 1.00 ft (0.305 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--32 years, 2,043 ft³/s (57.86 m³/s), 16.13 in/yr (410 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.

EXTREME 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, 5,760 ft³/s (163 m³/s), Dec. 20, gage height, 8.73 ft (2.661 m); minimum daily, 779 ft³/s (22.1 m³/s) July 21.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1530	2240	2690	3610	2870	2750	3800	1580	2140	1060	965	1580
2	1550	2080	2900	3430	2830	2860	3560	1530	2020	1010	1060	1570
3	1500	1930	2970	3350	2790	2930	3350	1490	1920	986	1310	1600
4	1460	1820	2970	3510	2750	3030	3190	1450	1880	977	1530	1720
5	1460	1750	2900	3630	2680	3210	3070	1410	1780	980	1550	1890
6	1480	1700	2820	3690	2610	3350	2990	1360	1540	1000	1590	1910
7	1480	1650	2950	3810	2540	3870	2940	1320	1330	1040	1750	1780
8	1430	1590	3180	3860	2480	4460	2900	1290	1210	1060	1920	1690
9	1400	1530	3220	3810	2410	4840	2840	1260	1140	1040	2040	1660
10	1380	1500	3180	3740	2360	4930	2750	1240	1090	980	2020	1620
11	1380	1480	3110	3640	2310	4710	2620	1220	1050	917	1940	1550
12	1420	1460	3330	3570	2270	4390	2490	1190	1010	869	1840	1480
13	1450	1450	3580	3540	2240	4280	2370	1160	986	833	1810	1460
14	1470	1440	3860	3560	2220	4640	2300	1140	976	839	1830	1500
15	1500	1440	4530	3710	2200	4900	2230	1120	1030	848	1770	1580
16	1560	1450	5220	3820	2170	5040	2120	1100	1050	812	1700	1610
17	1720	1480	5480	3930	2150	4870	2000	1080	1110	806	1620	1510
18	1940	1560	5480	4040	2120	4450	1890	1070	1200	806	1670	1460
19	2090	1670	5610	3860	2090	3990	1800	1050	1280	797	1840	1440
20	2150	1830	5680	3490	2050	3790	1730	1040	1340	782	1910	1380
21	2090	2040	5340	3350	2020	3900	1680	1030	1330	779	2010	1320
22	2020	2210	4820	3230	1990	4430	1650	1040	1340	800	2110	1250
23	2090	2280	4410	3130	1960	4910	1620	1070	1320	800	2090	1200
24	2280	2340	4110	3050	2020	5330	1610	1110	1300	803	2100	1180
25	2590	2440	3790	3010	2180	5490	1590	1150	1320	833	2140	1180
26	2890	2440	3700	2960	2310	5290	1580	1200	1360	896	2200	1170
27	2900	2360	3670	2960	2450	4990	1610	1280	1360	950	2160	1160
28	2750	2270	3660	2990	2620	4710	1660	1390	1310	899	2070	1150
29	2560	2260	3730	3000	---	4590	1690	1620	1250	902	1940	1150
30	2430	2390	3740	2960	---	4420	1650	1900	1160	908	1780	1180
31	2350	---	3710	2920	---	4140	---	2100	---	917	1620	---
TOTAL	58300	56080	120340	107160	65690	133490	69280	39990	40132	27929	55885	43930
MEAN	1881	1869	3882	3457	2346	4306	2309	1290	1338	901	1803	1464
MAX	2900	2440	5680	4040	2870	5490	3800	2100	2140	1060	2200	1910
MIN	1380	1440	2690	2920	1960	2750	1580	1030	976	779	965	1150
CFSM	1.09	1.09	2.26	2.01	1.36	2.50	1.34	.75	.78	.52	1.05	.85
IN.	1.26	1.21	2.60	2.32	1.42	2.89	1.50	.86	.87	.60	1.21	.95

CAL YR 1976 TOTAL 847520 MEAN 2316 MAX 6380 MIN 1040 CFSM 1.35 IN 18.33
WTR YR 1977 TOTAL 818206 MEAN 2242 MAX 5680 MIN 779 CFSM 1.30 IN 17.70

EDISTO RIVER BASIN

02174250 COW CASTLE CREEK NEAR BOWMAN, S.C.

LOCATION.--Lat 33°22'43", long 80°42'00", Orangeburg County, Hydrologic Unit 03050206, at bridge on county road, 1.1 mi (1.8 km) above Buck Branch and 3.2 mi (5.1 km) northwest of Bowman.

DRAINAGE AREA.--23.4 mi² (60.6 km²).

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 125 ft (38 m) (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 23.0 ft³/s (0.651 m³/s), 13.35 in/yr (339 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,290 ft³/s (36.5 m³/s) June 12, 1973, gage height, 6.83 ft (2.082 m); minimum daily, 1.2 ft³/s (0.03 m³/s) Oct. 18, 1972.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 150 ft³/s (4.25 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)
March 7	1900	237 6.71	5.58 1.701	March 22	1500	*306 8.67	*5.92 1.804
March 13	2200	271 7.67	5.78 1.762				

Minimum daily, 0.70 ft³/s (0.020 m³/s) July 16-18, 21, 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	5.0	15	28	20	33	30	4.4	7.7	1.1	.91	4.3
2	3.4	4.9	14	24	18	27	27	4.2	5.0	1.1	1.5	3.4
3	3.1	4.7	12	40	18	23	24	3.9	3.7	1.1	2.2	3.7
4	2.9	4.6	12	92	18	46	21	3.8	3.2	.98	6.2	5.8
5	2.7	4.3	11	66	17	88	23	3.6	2.9	.98	3.9	11
6	2.6	4.3	11	52	15	99	22	3.4	2.8	.98	2.2	7.9
7	2.5	4.4	26	60	15	213	19	3.4	3.2	.84	1.8	5.8
8	2.4	4.4	20	52	14	164	17	3.1	2.7	.91	1.6	4.7
9	2.9	4.3	22	43	14	91	15	2.9	2.7	.91	1.3	4.2
10	2.6	4.4	19	44	13	67	13	2.7	2.7	.91	1.2	4.3
11	2.9	4.3	20	39	13	55	12	2.6	2.4	.84	1.1	6.9
12	2.2	4.3	86	34	12	47	11	2.5	2.2	.77	1.1	5.7
13	2.2	4.3	86	31	12	193	10	2.4	2.0	.77	1.3	4.3
14	2.3	4.4	57	35	11	213	9.9	2.4	2.6	.84	1.6	3.6
15	2.2	5.0	72	43	11	103	9.2	2.3	2.4	.77	1.7	2.8
16	2.1	5.5	84	38	10	71	8.4	2.1	2.1	.70	1.3	4.4
17	3.4	5.4	60	33	10	52	7.9	2.1	2.1	.70	1.2	4.6
18	3.4	5.8	44	29	9.9	43	7.4	2.0	2.0	.70	1.1	3.8
19	2.8	5.7	37	27	9.7	37	6.9	2.0	1.7	.91	1.5	3.4
20	7.4	5.7	34	24	9.5	39	6.7	2.0	1.9	.84	1.5	3.0
21	9.0	5.8	31	23	9.2	52	6.3	1.9	2.0	.70	1.5	2.7
22	6.2	5.8	28	21	9.2	294	5.8	2.0	1.2	.98	1.4	2.5
23	5.4	5.7	25	20	8.8	208	6.7	2.3	1.4	.91	1.3	2.3
24	4.9	5.7	23	21	28	102	7.9	2.6	1.5	.77	1.3	2.2
25	5.0	5.7	22	25	28	71	6.3	3.9	1.3	.70	4.4	2.2
26	7.0	6.2	71	23	21	54	5.5	4.9	1.5	.77	30	2.2
27	6.5	8.6	50	24	25	44	5.0	3.7	1.6	.98	10	1.9
28	5.8	14	46	27	45	39	4.7	3.4	1.3	.84	6.5	2.1
29	5.5	22	40	24	---	34	4.4	3.1	1.4	1.1	4.9	1.9
30	5.4	17	34	22	---	31	4.3	3.8	1.1	1.1	6.5	2.0
31	5.5	---	31	21	---	35	---	22	---	.98	5.8	---
TOTAL	126.1	192.2	1162	1085	444.3	2668	357.3	111.4	72.3	27.48	109.81	119.6
MEAN	4.07	6.41	37.5	35.0	15.9	86.1	11.9	3.59	2.41	.89	3.54	3.99
MAX	9.0	22	86	92	45	294	30	22	7.7	1.1	30	11
MIN	2.1	4.3	11	20	8.8	23	4.3	1.9	1.1	.70	.91	1.9
CFSM	.17	.27	1.60	1.50	.68	3.68	.51	.15	.10	.04	.15	.17
IN.	.20	.31	1.85	1.72	.71	4.24	.57	.18	.11	.04	.17	.19

CAL YR 1976	TOTAL	7746.40	MEAN	21.2	MAX	255	MIN	1.7	CFSM	.91	IN	12.31
WTR YR 1977	TOTAL	6475.49	MEAN	17.7	MAX	294	MIN	.70	CFSM	.76	IN	10.29

EDISTO RIVER BASIN

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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) above mean sea level (levels by Corps of Engineers).

REMARKS.--Records good. About 118 ft³/s (3.3 m³/s) a day diverted above station for Charleston water supply during year.

AVERAGE DISCHARGE.--38 years, 2,687 ft³/s (76.10 m³/s), 13.37 in/yr (340 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, 8,610 ft³/s (244 m³/s) Dec. 19, gage height, 12.06 ft (3.676 m); minimum daily, 563 ft³/s (15.9 m³/s), July 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1840	2680	2930	5880	4130	2700	6490	1550	1530	1020	698	1780
2	1640	2590	2860	5740	4070	2810	6140	1560	1690	926	737	1620
3	1570	2510	2810	5630	3990	2910	5620	1540	1780	846	846	1500
4	1530	2340	2830	5670	3920	3020	5200	1490	1800	793	1120	1460
5	1470	2220	2940	5810	3840	3320	4830	1440	1750	764	1500	1530
6	1400	2090	3050	5910	3770	3800	4510	1390	1690	755	1860	1620
7	1370	1960	3230	6000	3660	4290	4210	1330	1640	761	2090	1710
8	1360	1840	3610	6100	3550	4850	3940	1270	1500	780	2160	1770
9	1460	1750	3980	6230	3420	5520	3720	1210	1230	803	2090	1760
10	1530	1670	4230	6300	3280	6470	3530	1140	1070	803	2020	1680
11	1460	1590	4390	6280	3150	7220	3380	1090	990	764	2030	1580
12	1380	1520	4520	6190	3030	7560	3240	1040	937	716	2090	1510
13	1340	1470	4860	6030	2930	7770	3100	1010	887	662	2090	1460
14	1330	1430	5810	5860	2830	7690	2920	973	852	622	2090	1410
15	1330	1410	6750	5740	2740	7380	2730	941	842	609	2020	1380
16	1340	1410	7530	5640	2660	7040	2560	912	856	614	1950	1390
17	1400	1420	8200	5580	2600	6850	2420	898	887	603	1840	1440
18	1570	1460	8500	5490	2550	6720	2310	877	909	588	1730	1470
19	1690	1510	8620	5430	2490	6610	2200	859	990	585	1690	1470
20	1810	1560	8520	5370	2450	6550	2070	839	1100	583	1680	1410
21	2070	1620	8390	5310	2400	6500	1940	832	1160	573	1730	1360
22	2270	1700	8240	5180	2360	6450	1830	826	1170	563	1790	1280
23	2310	1790	8070	4980	2310	6380	1740	846	1160	575	1830	1180
24	2270	1900	7710	4710	2290	6480	1690	873	1150	583	1850	1100
25	2210	2000	7100	4530	2320	6870	1690	926	1140	575	1890	1040
26	2200	2090	6770	4400	2430	7200	1660	965	1160	588	1920	1010
27	2310	2210	6610	4320	2490	7580	1620	1080	1170	662	1920	994
28	2480	2400	6530	4260	2580	7940	1570	1170	1170	776	1960	976
29	2640	2700	6450	4240	---	7920	1540	1170	1140	780	1980	962
30	2740	2900	6300	4210	---	7530	1540	1240	1090	740	1960	944
31	2760	---	6060	4180	---	6900	---	1370	---	698	1900	---
TOTAL	56080	57740	178400	167200	84240	188830	91940	34657	36440	21710	55061	41796
MEAN	1809	1925	5750	5394	3009	6091	3065	1118	1215	700	1776	1393
MAX	2760	2900	8620	6300	4130	7940	6490	1560	1800	1020	2160	1780
MIN	1330	1410	2810	4180	2290	2700	1540	826	842	563	698	944
CAL YR 1976	TOTAL	1051506	MEAN	2873	MAX	9870	MIN	828				
WTR YR 1977	TOTAL	1014094	MEAN	2778	MAX	8620	MIN	563				

EDISTO RIVER BASIN

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

PERIOD OF RECORD.--March 1967 to July 1973, October 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT 06...	0850	21.0	7.9	57	6.7	.33	.24
NOV 04...	1000	12.0	9.2	62	6.6	.35	.34
DEC 02...	0940	7.5	10.2	64	6.4	.39	.38
JAN 12...	1020	5.0	10.8	61	6.7	.65	.46
FEB 10...	0940	4.0	12.0	58	6.8	.42	.22
MAR 09...	0935	11.0	8.8	57	6.5	.54	.48
APR 07...	1050	15.9	7.6	60	6.6	1.0	.90
MAY 05...	0900	21.5	7.9	51	6.9	.45	.20
JUN 02...	0930	25.0	6.5	70	6.4	.34	.24
JUL 13...	0900	31.0	6.5	49	6.8	.59	.29
AUG 10...	0915	27.5	5.7	90	6.1	.50	.46
SEP 14...	0930	25.0	6.6	61	6.5	.39	.29

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	FECAL COLI- FORM (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (PER 100 ML)
OCT 06...	.09	1.5	.07	42	173	52
NOV 04...	.01	1.6	.05	8	110	200
DEC 02...	.01	1.7	.04	0	72	62
JAN 12...	.19	2.9	.00	180	152	96
FEB 10...	.20	1.9	.03	--	68	70
MAR 09...	.06	2.4	.06	92	580	510
APR 07...	.12	4.5	.08	0	88	70
MAY 05...	.25	2.0	.10	33	68	423
JUN 02...	.10	1.5	.10	180	151	560
JUL 13...	.30	2.6	.08	--	65	68
AUG 10...	.04	2.2	.06	--	50	100
SEP 14...	.10	1.7	.11	0	92	223

DATE	TIME	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC 02...	0940	8	0	0	0	10	2	0	1	3.2	4.2
MAR 09...	0935	17	0	0	0	21	1	1	2	4.3	12
JUN 02...	0930	7	4	1	5	9	0	0	0	3.5	5.6
SEP 14...	0930	8	0	0	0	10	0	0	0	3.5	8.1

EDISTO RIVER BASIN

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02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CARBON DIOXIDE (CO2) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	SUS- PENDE CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	SUS- PENDE COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	SUS- PENDE COPPER (CU) (UG/L)
DEC 02...	6.4	0	7.1	0	<10	<10	0	0	0	0	2
MAR 09...	11	0	7.7	7	23	30	0	0	0	3	0
JUN 02...	5.7	0	8.8	5	<5	<10	0	0	0	2	0
SEP 14...	5.1	0	6.5	1	9	10	0	0	0	1	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PR) (UG/L)	SUS- PENDE LEAD (PR) (UG/L)	TOTAL LEAD (PR) (UG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)
DEC 02...	2	.1	12	4	430	220	28	0	19	.9	0
MAR 09...	0	.0	12	0	440	310	11	12	23	.4	0
JUN 02...	2	.0	11	4	680	330	25	0	15	.6	20
SEP 14...	1	.0	12	3	1600	740	10	0	10	.7	20

DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	SODIUM AD- SORP- TION RATIO
DEC 02...	10	10	.1	.0	.1	1.3	56	35	435	.08	.7
MAR 09...	10	10	.0	.0	.0	1.2	62	39	907	.08	.7
JUN 02...	40	20	.0	.0	.0	1.0	58	43	288	.08	.9
SEP 14...	40	20	<.5	.0	<.5	1.0	56	39	302	.08	.9

DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	DIS- SOLVED SULFATE (SO4) (MG/L)	TUR- BID- ITY (JTU)	DIS- SOLVED ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)
DEC 02...	0	0	0	6.7	5.4	47	5.2	3	0	10	10
MAR 09...	0	0	0	2.6	6.0	48	6.1	6	0	0	0
JUN 02...	0	0	0	6.1	7.3	56	11	3	10	0	10
SEP 14...	0	0	0	8.2	6.8	53	>6.7	4	10	0	10

EDISTO RIVER BASIN

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ATRA- ZINE (UG/L)	ATRA- ZINE IN BOTTOM MATERI- AL (UG/ KG DRY SOLIDS)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)
NOV 04...	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 10...	0940	ND	--	ND	--	ND	--	ND	--	ND
MAY 05...	0900	ND	ND	--	ND	ND	ND	ND	ND	ND
AUG 10...	0915	ND	--	ND	--	ND	--	ND	--	ND

DATE	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)
NOV 04...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 10...	--	ND	--	ND	--	ND	--	ND	--	ND
MAY 05...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AUG 10...	--	ND	--	.01	--	.01	--	ND	--	ND

DATE	METHOX- YCHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	SIMA- ZINE TOTAL (UG/L)	SIMA- ZINE IN BOTTOM MATERI- AL (UG/ KG DRY SOLIDS)	TOTAL TOX- APHENE (UG/L)
NOV 04...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 10...	--	ND	--	ND	--	ND	--	ND	--	ND
MAY 05...	ND	ND	ND	ND	ND	ND	ND	--	ND	ND
AUG 10...	--	ND	--	ND	--	ND	--	ND	--	ND

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)
NOV 04...	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 10...	--	ND	--	ND	--	ND	--	ND	--
MAY 05...	ND	ND	ND	--	ND	--	ND	--	ND
AUG 10...	--	ND	--	ND	--	ND	--	ND	--

DATE	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)
NOV 04...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 10...	--	ND	--	ND	--	ND	--	ND	--	ND
MAY 05...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AUG 10...	--	ND	--	ND	--	.01	--	ND	--	ND

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SED- MENT DIS- CHARGE (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT					
06...	0850	1590	6	26	100
NOV					
04...	1000	1980	1	5.3	100
DEC					
02...	0940	2880	3	23	100
JAN					
12...	1020	5920	1	16	100
FEB					
10...	0940	3260	3	31	100
MAR					
09...	0935	5420	3	44	100
APR					
07...	1050	4230	5	57	100
MAY					
05...	0900	1440	6	23	100
JUN					
02...	0930	1840	7	35	100
JUL					
13...	0900	796	4	8.6	100
AUG					
10...	0915	2130	5	29	100
SEP					
14...	0930	2000	6	32	100

COMBAHEE RIVER BASIN

02175500 SALKEHATCHIE RIVER NEAR MILEY, S.C.

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 Miley, and at mile 68.0 (109.4 km).

DRAINAGE AREA.--341 mi² (883 km²).

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 64.35 ft (19.614 m) above mean sea level. Dec. 6, 1957 to Jan. 22, 1971, nonrecording gage at same site and datum. Prior to Dec. 6, 1957, nonrecording gage at bridge 90 ft (27 m) upstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--26 years, 352 ft³/s (9.969 m³/s), 14.02 in/yr (356 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,350 ft³/s (66.6 m³/s) July 20, 1975, gage height, 5.00 ft (1.524 m); minimum, 17 ft³/s (0.48 m³/s) Sept. 13, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,480 ft³/s (41.91 m³/s) March 24, gage height, 4.34 ft (1.323 m); minimum daily, 61 ft³/s (1.73 m³/s) July 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	700	339	684	684	528	593	600	190	436	117	123	257
2	600	323	790	606	488	522	571	186	335	105	138	202
3	450	307	745	599	460	477	558	186	235	99	240	183
4	350	297	674	709	450	522	558	188	176	96	477	247
5	280	288	613	736	432	669	528	188	149	95	564	308
6	220	281	538	764	418	677	505	176	132	152	466	304
7	201	278	526	874	405	905	471	163	132	139	482	317
8	200	273	550	874	396	1110	450	152	130	96	405	323
9	238	269	571	823	388	1140	432	152	129	83	327	301
10	273	273	613	793	375	1140	409	154	123	74	243	253
11	300	275	652	727	375	1010	371	150	117	69	159	195
12	333	276	736	661	371	916	335	142	121	63	121	163
13	329	276	1040	623	371	884	311	136	119	61	105	149
14	308	281	1180	630	375	1080	293	130	121	72	105	140
15	279	302	1260	669	371	1120	278	126	139	100	114	137
16	229	320	1210	677	367	1050	267	123	182	84	129	148
17	274	334	1170	645	353	927	256	122	293	76	171	168
18	352	379	1090	615	345	843	245	121	203	77	280	176
19	333	404	914	593	345	764	232	118	176	84	425	167
20	415	408	781	564	342	661	225	118	201	75	361	154
21	480	417	700	516	335	653	215	123	208	68	294	144
22	448	431	636	482	335	988	210	141	203	75	312	132
23	481	417	578	455	331	1280	213	166	180	106	307	124
24	514	387	538	455	392	1430	227	220	161	86	251	118
25	561	359	508	505	482	1430	230	269	159	95	190	117
26	673	348	620	505	466	1270	238	338	248	95	224	115
27	600	431	700	505	534	1120	232	558	220	142	200	115
28	481	544	692	540	608	905	215	450	174	150	269	122
29	405	606	772	558	---	727	199	396	149	127	332	133
30	371	628	763	558	---	608	192	450	133	123	417	159
31	354	---	718	546	---	571	---	493	---	113	347	---
TOTAL	12032	10751	23564	19491	11438	27992	10066	6625	5484	2997	8578	5571
MEAN	388	358	760	629	409	903	336	214	183	96.7	277	186
MAX	700	628	1260	874	608	1430	600	558	436	152	564	323
MIN	200	269	508	455	331	477	192	118	117	61	105	115
CFSM	1.14	1.05	2.23	1.85	1.20	2.65	.99	.63	.54	.28	.81	.55
IN.	1.31	1.17	2.57	2.13	1.25	3.05	1.10	.72	.60	.33	.94	.61
CAL YR 1976	TOTAL	162657	MEAN 444	MAX 1870	MIN 115	CFSM 1.30	IN 17.74					
WTR YR 1977	TOTAL	144589	MEAN 396	MAX 1430	MIN 61	CFSM 1.16	IN 15.77					

BROAD RIVER BASIN

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02176500 COOSAHATCHIE 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) above mean sea level. Prior to Oct. 26, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--26 years, 188 ft³/s (5.324 m³/s), 12.58 in/yr (320 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 flood-marks; no flow for some days in 1951, 1954, 1956, 1957, 1968, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,030 ft³/s (29.2 m³/s) March 8, gage height, 4.57 ft (1.393 m); minimum daily 0.94 ft³/s (0.027 m³/s) July 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	182	138	560	439	299	228	347	14	14	6.4	4.1	22
2	155	128	439	388	278	208	347	13	10	6.0	6.9	20
3	123	123	365	420	264	182	299	12	8.1	6.0	11	17
4	98	111	314	722	264	224	255	12	6.2	6.0	27	21
5	81	104	283	883	269	560	237	10	5.3	5.6	45	26
6	69	95	255	810	255	739	228	9.1	4.6	5.1	58	29
7	64	91	288	739	237	911	212	8.1	5.1	4.3	39	30
8	64	85	388	765	212	1020	189	6.9	4.6	3.7	23	26
9	78	81	433	722	196	901	152	6.2	4.5	3.2	16	19
10	93	80	414	647	189	713	130	5.1	4.0	2.6	11	15
11	125	78	374	568	178	590	111	4.8	3.5	2.1	8.4	13
12	125	76	433	515	172	522	98	4.4	3.5	1.5	7.4	11
13	104	74	575	466	168	575	85	3.9	3.1	1.2	7.1	9.7
14	85	76	679	459	165	663	76	3.6	3.9	1.2	8.4	8.7
15	71	83	731	537	161	765	67	3.5	6.9	1.1	8.4	8.0
16	61	89	731	590	152	630	59	3.4	8.8	1.2	8.4	10
17	89	104	696	537	147	515	53	3.1	11	1.2	7.7	16
18	136	123	598	466	138	433	47	2.9	12	1.3	8.7	21
19	182	136	508	433	136	376	41	3.4	16	1.1	12	19
20	237	144	446	388	136	336	37	3.5	27	.94	26	17
21	283	144	414	347	133	347	32	4.5	22	1.1	46	17
22	283	133	374	330	125	722	31	9.4	23	1.3	34	13
23	264	120	350	309	120	956	33	13	31	2.4	23	11
24	204	111	336	304	138	847	33	17	27	3.3	16	9.4
25	168	104	309	359	200	671	32	23	19	4.4	23	8.7
26	185	113	424	420	260	552	28	28	19	3.9	28	8.0
27	241	182	614	407	269	466	24	72	19	3.6	34	7.7
28	241	433	647	388	241	407	20	83	15	3.5	36	9.4
29	216	739	590	394	---	359	17	56	12	3.7	32	8.4
30	175	696	537	376	---	314	15	29	8.1	4.0	28	8.0
31	155	---	494	330	---	320	---	20	---	4.1	25	---
TOTAL	4637	4794	14614	15458	5502	17052	3335	487.8	357.2	97.04	668.5	459.0
MEAN	150	160	471	499	197	550	111	15.7	11.9	3.13	21.6	15.3
MAX	283	739	731	883	299	1020	347	83	31	6.4	58	30
MIN	61	74	255	304	120	182	15	2.9	3.1	.94	4.1	7.7
CFSM	.74	.79	2.32	2.46	.97	2.71	.55	.08	.06	.02	.11	.08
IN.	.85	.88	2.68	2.83	1.01	3.12	.61	.09	.07	.02	.12	.08

CAL YR 1976 TOTAL 80466.70 MEAN 220 MAX 1560 MIN 6.2 CFSM 1.08 IN 14.75
WTR YR 1977 TOTAL 67461.54 MEAN 185 MAX 1020 MIN .94 CFSM .91 IN 12.36

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1975 to current year.

WATER TEMPERATURE: April 1975 to current year.

INSTRUMENTATION.--Servo Programmer since April 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 144 micromhos Aug. 17, 1977; minimum, 35 micromhos July 15, 1976.

WATER TEMPERATURE: Maximum, 27.5°C July 7-10, 1977; minimum, 0.0°C Jan. 20, 1976.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 144 micromhos Aug. 17; minimum, 53 micromhos March 8.

WATER TEMPERATURE: Maximum, 27.5°C July 7-10; minimum, 1.5°C Jan. 12.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	ALKA- LINIT- Y AS CAC03 (MG/L)	BICAR- BONATE (HC03) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	CARRON DIOXIDE (C02) (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)
OCT												
06...	1115	18.0	6.9	78	6.5	16	20	6.6	0	7.5	10	165
NOV												
04...	1300	10.0	8.7	72	6.5	16	20	6.6	0	8.4	10	105
DEC												
02...	1215	5.0	11.2	65	6.5	16	19	5.0	0	8.0	9.6	82
JAN												
12...	1225	2.0	12.2	56	6.5	11	13	4.2	0	7.8	6.6	91
FEB												
10...	1230	5.0	11.3	65	6.6	16	20	6.9	0	8.2	8.0	50
MAR												
09...	1135	11.0	10.1	54	6.4	15	18	5.5	0	6.7	11	470
APR												
07...	1320	14.5	9.0	64	6.6	16	19	6.0	0	7.8	7.6	70
MAY												
05...	1215	21.5	6.8	80	7.0	26	32	8.5	0	3.8	5.1	48
JUN												
02...	1200	23.0	5.7	86	6.8	26	32	9.2	0	8.6	8.1	95
JUL												
13...	1100	25.5	3.6	100	6.8	29	35	10	0	9.2	8.9	580
AUG												
10...	1205	26.0	5.3	101	6.7	23	28	11	0	9.7	8.9	630
SEP												
14...	1145	23.0	4.7	101	6.7	26	32	9.2	0	9.8	10	133

DATE	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	HARD- NESS (CA, MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)
OCT											
06...	120	.2	4	21	1.0	.50	.48	.02	2.2	.09	160
NOV											
04...	330	.2	6	23	1.5	.41	.41	.00	1.8	.06	97
DEC											
02...	55	.2	7	17	1.2	.43	.43	.00	1.9	.05	2
JAN											
12...	70	.2	4	15	1.1	.66	.39	.27	2.9	.01	110
FEB											
10...	68	.2	7	24	1.6	.49	.27	.22	2.2	.02	--
MAR											
09...	410	.0	1	16	.5	.59	.48	.11	2.6	.07	110
APR											
07...	88	.0	6	21	1.5	.85	.76	.09	3.8	.13	0
MAY											
05...	126	.0	4	31	2.3	.80	.50	.30	3.5	.13	6
JUN											
02...	720	.0	4	30	1.7	.63	.42	.21	2.8	.13	13000
JUL											
13...	660	.1	5	34	2.2	1.3	1.0	.29	5.7	.23	--
AUG											
10...	990	.1	13	36	2.1	.81	.74	.07	3.6	.14	--
SEP											
14...	226	.1	5	31	2.0	.60	.50	.10	2.7	.13	--

BROAD RIVER BASIN

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02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED PO- TAS- SIUM (K) (MG/L)	DIS-SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	SODIUM AD- SORP- TION RATIO	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	DIS-SOLVED SULFATE (SO ₄) (MG/L)	TUR- BID- ITY (JTU)
OCT 06...	1.3	75	46	11.7	.10	.4	11	3.9	28	4.3	4
NOV 04...	1.2	54	47	15.3	.07	.4	10	4.9	31	4.1	2
DEC 02...	1.3	72	44	82.2	.10	.4	9.1	4.2	32	5.1	3
JAN 12...	.8	57	35	69.1	.08	.4	6.2	3.9	35	4.3	2
FEB 10...	.9	42	30	19.5	.06	.4	3.7	4.2	27	3.8	3
MAR 09...	1.1	62	37	142	.08	.4	5.2	3.6	31	5.0	7
APR 07...	1.1	63	30	31.0	.09	.4	6.2	4.3	29	2.8	10
MAY 05...	1.1	82	52	3.10	.11	.4	8.7	4.6	24	7.5	4
JUN 02...	1.1	72	55	3.89	.10	.4	7.9	4.7	25	5.7	3
JUL 13...	2.1	84	55	.91	.11	.4	3.5	5.6	25	5.3	3
AUG 10...	2.0	83	63	3.59	.11	.4	11	5.8	25	7.8	4
SEP 14...	2.6	66	61	143	.09	.5	9.2	6.0	27	5.7	4

DATE	TIME	DIS-SOLVED ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED CAD- MIUM (CD) (UG/L)	SUS-PENDED CAD- MIUM (CD) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED CHRO- MIUM (CR) (UG/L)	SUS-PENDED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
DEC 02...	1215	0	0	0	2	0	1	5.1	0	<10	<10	0
MAR 09...	1135	0	0	0	1	1	2	12	9	31	40	0
JUN 02...	1200	2	0	2	0	0	0	6.2	6	14	20	0
SEP 14...	1145	0	0	0	0	0	0	5.9	1	<9	<10	0

DATE	SUS-PENDED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED MAN- GANESE (MN) (UG/L)
DEC 02...	0	0	2	0	2	440	250	22	0	16	0
MAR 09...	0	0	3	0	0	480	320	12	12	24	0
JUN 02...	0	0	0	2	2	640	390	12	5	17	10
SEP 14...	0	0	0	0	0	690	420	10	1	11	10

DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS-SOLVED MAN- GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED SELF- NIUM (SE) (UG/L)	SUS-PENDED SELF- NIUM (SE) (UG/L)	TOTAL SELF- NIUM (SE) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)
DEC 02...	10	20	.0	.0	.0	0	0	0	0	50	50
MAR 09...	10	20	.0	.0	.0	0	0	0	0	10	10
JUN 02...	130	120	.0	.1	.1	0	0	0	10	0	10
SEP 14...	190	180	<.5	.0	<.5	0	0	0	10	10	20

BROAD RIVER BASIN

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENED SEDI- MENT (MG/L)	SUS- PENED SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT					
06...	1115	58	6	.94	100
NOV					
04...	1300	105	2	.57	100
DEC					
02...	1215	423	2	2.3	100
JAN					
12...	1225	449	8	9.7	100
FEB					
10...	1230	172	3	1.4	100
MAR					
09...	1135	848	2	4.6	100
APR					
07...	1320	182	7	3.4	100
MAY					
05...	1215	14	7	.26	100
JUN					
02...	1200	20	4	.22	100
JUL					
13...	1100	4.0	7	.08	100
AUG					
10...	1205	16	5	.22	100
SEP					
14...	1145	804	4	8.7	100

BROAD RIVER BASIN

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02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	76	74	75	68	67	67	83	81	82
2	---	---	---	76	74	74	68	66	67	84	83	84
3	---	---	---	77	74	75	69	66	67	84	77	80
4	---	---	---	78	68	74	70	69	70	81	78	80
5	---	---	---	69	64	66	71	70	71	82	79	81
6	---	---	---	64	58	60	70	68	69	86	81	83
7	---	---	---	58	55	56	68	61	65	90	85	88
8	---	---	---	55	53	54	65	61	64	90	88	89
9	---	---	---	57	54	56	66	65	65	90	82	84
10	69	69	69	58	57	57	66	65	65	83	82	82
11	70	69	69	61	58	60	67	65	66	83	81	82
12	74	70	72	64	61	62	69	67	68	84	82	83
13	75	74	75	72	63	65	69	66	69	85	83	84
14	75	72	74	71	65	67	68	66	67	87	85	86
15	72	71	71	67	63	64	70	68	69	89	86	88
16	73	71	72	72	64	67	72	70	71	90	88	89
17	71	69	70	68	63	67	74	71	73	93	90	91
18	70	68	69	66	63	64	77	74	76	94	92	93
19	74	71	72	69	66	67	78	77	78	96	94	95
20	74	73	74	72	69	70	79	78	79	92	88	89
21	73	72	73	70	66	69	79	71	73	92	86	89
22	74	72	73	66	63	65	75	72	74	111	92	100
23	76	73	75	63	61	61	76	75	76	113	107	111
24	78	71	77	61	56	59	78	76	77	105	100	102
25	79	78	78	59	55	56	79	78	79	106	100	104
26	78	78	78	57	55	56	79	78	79	105	98	104
27	79	76	77	58	57	58	78	76	77	98	92	96
28	76	75	76	61	58	59	79	77	78	93	88	91
29	---	---	---	63	61	62	80	79	79	92	86	90
30	---	---	---	66	63	64	81	79	80	86	83	85
31	---	---	---	71	65	67	---	---	---	83	82	82

BROAD RIVER BASIN

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	85	82	84	91	89	91	104	103	103	94	90	91
2	88	85	87	90	85	89	---	---	---	93	91	92
3	88	87	87	89	85	86	---	---	---	94	92	93
4	86	82	84	92	89	91	---	---	---	94	87	92
5	85	84	84	93	91	92	---	---	---	95	92	94
6	87	85	86	95	92	94	---	---	---	94	92	93
7	88	87	87	99	95	97	---	---	---	95	93	94
8	88	87	87	102	99	101	---	---	---	96	94	95
9	89	88	88	104	102	103	---	---	---	98	96	97
10	90	89	90	104	102	103	102	99	100	98	97	97
11	92	89	91	102	98	100	104	100	102	97	97	97
12	91	90	91	103	94	98	107	105	106	98	97	97
13	94	92	93	101	99	100	107	106	106	98	96	97
14	96	87	93	101	99	100	106	104	105	100	97	99
15	90	82	86	108	96	100	107	106	107	101	100	100
16	84	79	82	98	95	97	129	105	111	100	97	99
17	88	81	85	105	97	99	144	102	119	99	94	97
18	89	86	87	111	97	101	107	100	105	101	96	100
19	92	78	89	105	101	103	105	100	103	101	99	100
20	90	88	89	106	105	105	113	104	107	102	93	100
21	94	87	89	124	106	114	115	110	113	102	98	100
22	95	92	94	128	101	120	110	103	106	105	102	103
23	94	92	93	122	101	113	103	101	102	103	100	102
24	93	92	92	123	106	112	102	100	101	101	100	101
25	92	86	91	114	102	108	104	79	98	102	100	101
26	88	82	85	116	113	115	100	91	95	110	101	106
27	97	89	93	113	111	112	91	89	90	115	107	110
28	98	89	94	111	106	108	89	88	88	124	111	120
29	89	86	88	106	102	104	89	87	88	131	123	127
30	91	89	90	104	102	103	89	87	88	130	122	127
31	---	---	---	105	103	104	92	88	90	---	---	---
YEAR	144	53	81									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C., 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 confluence with Tallulah River.

DRAINAGE AREA.--207 mi² (536 km²).

WATER-DISCHARGE RECORDS

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) above mean sea level. May 1907 to June 1908, nonrecording gage at site 400 ft (122 m) upstream at different datum.

Published in Water Resources Data for Georgia Water Year 1977.

SAVANNAH RIVER BASIN

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02185200 LITTLE RIVER NEAR WALHALLA, S.C.

LOCATION.--Lat 34°50'11", long 82°58'48", Oconee County, Hydrologic Unit 03060101, on 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. Altitude of gage is 810 ft (247 m) (from topographic map).

REMARKS.--Records good, except periods of no gage-height record Oct. 1 to Dec. 15, Mar. 30 to Apr. 7, and May 28 to June 24, which are poor.

AVERAGE DISCHARGE.--10 years, 188 ft³/s (5.324 m³/s), 35.46 in/yr (901 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)
Mar. 13	0415	3,020 85.5	5.47 1.667	Sept. 7	2330	4,920 139	6.99 2.131
Mar. 30	0315	*5,700 161	*7.55 2.301	Sept. 15	1545	2,210 62.6	4.72 1.439

Minimum daily, 56 ft³/s (1.59 m³/s) Aug. 7, 8.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	170	160	175	138	147	430	204	165	88	68	64
2	120	120	150	154	135	137	540	204	150	86	60	62
3	110	130	140	158	135	132	470	199	140	85	58	60
4	100	140	130	157	137	183	560	201	130	84	62	60
5	95	120	120	155	135	177	680	195	125	82	58	60
6	130	100	480	159	130	188	460	187	130	79	70	57
7	246	140	400	221	129	200	390	182	140	77	56	893
8	282	100	280	180	128	186	364	179	120	73	56	1380
9	600	120	220	195	128	175	330	175	110	70	62	280
10	300	130	190	323	128	168	309	175	105	83	62	180
11	220	100	200	227	129	168	293	176	105	75	58	140
12	180	85	210	193	134	584	283	169	105	68	58	115
13	150	95	190	181	172	1480	275	163	110	67	61	137
14	140	100	360	238	134	514	267	159	170	64	58	229
15	130	100	485	251	128	363	259	154	140	76	83	965
16	140	90	330	218	123	289	251	151	145	70	126	1030
17	200	70	257	194	120	250	245	148	130	66	127	678
18	190	70	230	184	119	232	232	147	135	78	140	385
19	160	70	211	174	117	213	234	144	115	68	114	264
20	120	80	230	168	115	229	227	233	115	62	89	208
21	120	95	220	162	113	249	223	172	110	58	82	173
22	110	100	190	159	112	431	221	184	100	58	76	150
23	110	95	190	155	111	277	281	170	110	64	74	137
24	110	95	180	160	170	243	301	170	110	60	90	131
25	180	95	185	156	140	227	251	168	94	58	90	128
26	220	110	244	152	129	212	230	166	92	60	82	134
27	200	150	207	154	176	203	218	167	92	63	90	128
28	140	300	195	156	168	206	211	240	90	59	90	121
29	130	300	185	150	---	631	207	200	89	62	80	110
30	140	200	177	144	---	1100	205	190	88	64	72	107
31	180	---	180	143	---	500	---	185	---	60	67	---
TOTAL	5403	3670	7158	5596	3733	10294	9447	5557	3560	2167	2419	8566
MEAN	174	122	231	181	133	332	315	179	119	69.9	78.0	286
MAX	600	300	485	323	176	1480	680	240	170	88	140	1380
MIN	95	70	120	143	111	132	205	144	88	58	56	57
CFSM	2.42	1.69	3.21	2.51	1.85	4.61	4.38	2.49	1.65	.97	1.08	3.97
IN.	2.79	1.90	3.70	2.89	1.93	5.32	4.88	2.87	1.84	1.12	1.25	4.43

CAL YR 1976 TOTAL 80875 MEAN 221 MAX 2000 MIN 70 CFSM 3.07 IN 41.79
WTR YR 1977 TOTAL 67570 MEAN 185 MAX 1480 MIN 56 CFSM 2.57 IN 34.91

SAVANNAH RIVER BASIN

02187250 HARTWELL LAKE NEAR HARTWELL, GA.

LOCATION.--Lat 34°21'25", long 82°49'20", Hart County (Ga.) - Anderson County (S.C.), Hydrologic Unit 03060103, Ga.-S.C. State line, in right spillway elevator tower of dam on Savannah River, 0.9 mi (1.4 km) upstream from Big Generostee Creek, 6.4 mi (10.3 km) east of Hartwell, and at mile 305.0 (490.7 km).

DRAINAGE AREA.--2,088 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 at mean sea level (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, 663.20 ft (202.143 m) Mar. 31; minimum, 654.27 ft (199.421 m) Sept. 7.

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, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	656.23	658.89	657.12	657.15	657.07	657.28	662.95	660.45	660.41	659.98	657.95	654.38
2	656.26	658.78	657.13	657.25	657.04	657.27	662.70	660.51	660.37	660.03	657.81	654.30
3	656.29	658.69	657.10	657.23	656.99	657.23	662.69	660.54	660.30	660.04	657.79	654.32
4	656.21	658.53	657.10	657.03	656.95	657.31	662.76	660.47	660.40	660.10	657.57	654.34
5	656.22	658.33	657.16	656.84	657.05	657.41	663.00	660.41	660.43	659.99	657.37	654.37
6	656.28	658.40	657.37	656.70	657.12	657.64	663.01	660.18	660.52	659.81	657.42	654.30
7	656.61	658.48	657.64	656.62	657.07	657.64	662.74	660.31	660.46	659.64	657.44	654.63
8	657.24	658.40	657.71	656.72	657.04	657.67	662.57	660.41	660.40	659.43	657.23	654.10
9	658.07	658.29	657.52	657.14	657.01	657.65	662.52	660.33	660.40	659.44	657.01	654.16
10	658.21	658.13	657.54	657.38	656.98	657.64	662.57	660.30	660.40	659.47	656.80	654.23
11	658.36	657.97	657.66	657.40	656.94	657.60	662.33	660.18	660.43	659.35	656.60	654.25
12	658.44	657.72	657.92	657.36	657.08	657.81	662.16	660.06	660.54	659.30	656.47	654.22
13	658.47	657.80	657.86	657.37	657.19	658.44	662.20	659.94	660.67	659.22	656.47	654.07
14	658.54	657.91	657.88	657.40	657.16	658.65	662.14	660.01	660.65	659.12	656.47	654.07
15	658.49	657.83	658.10	657.57	657.14	658.74	661.88	660.11	660.58	659.02	656.20	654.20
16	658.58	657.73	658.21	657.70	657.06	658.78	661.70	659.98	660.63	659.08	656.02	654.75
17	658.62	657.65	658.24	657.75	657.05	658.98	661.83	659.97	660.67	659.08	656.06	654.28
18	658.57	657.40	658.38	657.79	656.99	659.22	661.51	660.11	660.74	658.97	656.13	654.33
19	658.52	657.20	658.51	657.77	657.08	659.35	661.23	660.12	660.81	658.83	656.17	654.33
20	658.48	657.29	658.61	657.48	657.12	659.45	660.96	660.15	660.81	658.66	656.19	654.30
21	658.41	657.34	658.45	657.21	657.09	660.04	660.54	660.30	660.71	658.58	656.22	654.12
22	658.48	657.04	658.10	657.31	657.06	660.24	660.10	660.38	660.53	658.46	656.02	654.87
23	658.52	656.93	658.02	657.38	657.05	660.35	660.31	660.34	660.51	658.45	655.88	654.70
24	658.58	656.76	657.82	657.38	657.10	660.37	660.74	660.37	660.36	658.43	655.70	654.78
25	658.71	656.74	657.95	657.31	657.15	660.31	660.71	660.39	660.35	658.31	655.50	654.79
26	658.78	656.78	658.08	657.23	657.22	660.42	660.59	660.40	660.40	658.21	655.27	654.81
27	658.83	656.90	657.92	657.10	657.44	660.53	660.47	660.41	660.32	658.07	655.30	654.77
28	658.83	657.15	657.76	657.01	657.36	660.47	660.33	660.53	660.17	657.99	655.32	654.95
29	658.83	657.13	657.55	657.10	---	660.98	660.23	660.63	660.03	658.00	655.10	654.94
30	658.91	657.14	657.32	657.20	---	662.85	660.36	660.58	659.95	658.07	654.88	654.00
31	659.02	---	657.00	657.13	---	663.13	---	660.49	---	658.08	654.65	---
MAX	659.02	658.89	658.61	657.79	657.44	663.13	663.01	660.63	660.81	660.10	657.95	654.33
MIN	656.21	656.74	657.09	656.62	656.94	657.23	660.10	659.94	659.95	657.99	654.65	654.30
(†)	59.29	54.87	54.76	54.85	55.38	69.52	62.54	62.86	61.54	57.06	49.25	52.26
(‡)	2.404	-1.705	-41	34	219	5,279	-2,693	119	-509	-1.673	-2.916	1.161
CAL YR 1976	†	105	MAX	664.06	MIN	655.98						
WTR YR 1977	†	-19	MAX	663.13	MIN	654.30						

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

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

SAVANNAH RIVER BASIN

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02187500 SAVANNAH RIVER NEAR IVA, S.C.

LOCATION.--Lat 34°15'20", long 82°44'42", Anderson County, Hydrologic Unit 03060103, on left bank at downstream side of bridge on State Highway 184, 0.5 mi (0.8 km) upstream from Little Generostee Creek, 5.8 mi (9.3 km) southwest of Iva, and at mile 296.5 (477.1 km).

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

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

GAGE.--Water-stage recorder. Datum of gage is 432.26 ft (131.753 m) above mean sea level (levels by Corps of Engineers).

REMARKS.--Records good. Flow regulated by powerplants above station, by Burton and Mathis Reservoirs, and by Hartwell Lake (see sta 02187250).

AVERAGE DISCHARGE.--28 years, 4,448 ft³/s (126 m³/s), 27.07 in/yr (688 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,400 ft³/s (1,540 m³/s) Mar. 12, 1952, gage height, 12.74 ft (3.883 m); minimum, 75 ft³/s (2.12 m³/s) Oct. 24, 1961; minimum daily, 78 ft³/s (2.21 m³/s) Oct. 23, 24, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 28,800 ft³/s (816 m³/s) Mar. 30, gage height, 8.12 ft (2.475 m); minimum, 145 ft³/s (4.11 m³/s) Aug. 14; minimum daily, 159 ft³/s (4.50 m³/s) Sept. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2780	9050	6430	1860	4340	4800	22600	335	5330	2590	5670	7660
2	402	10400	5550	894	4300	3910	16300	5080	5410	454	5410	3570
3	1020	7200	4340	8480	4330	3820	15300	6160	5650	649	3790	639
4	4360	7640	1900	8910	4020	3900	16800	6700	585	1030	7610	679
5	2710	8040	315	8890	679	998	16700	6130	217	4960	7780	1130
6	2460	1060	4400	8910	270	473	16000	10000	8330	7120	592	3620
7	2450	197	7670	9080	3450	3560	15900	916	4510	7830	649	3850
8	3450	7210	9490	1140	4090	3300	15800	321	3890	6960	7240	3970
9	2190	7120	9900	530	4030	3760	9430	6570	2290	438	7120	4760
10	677	8110	5710	8980	3310	3860	3700	5120	2320	601	8590	415
11	2450	8200	1200	9330	2900	6160	13200	7180	488	5170	8630	679
12	2710	9640	582	7160	733	862	14100	7440	265	5810	8080	2810
13	3280	987	8430	7060	357	475	14200	7340	4290	6880	574	5740
14	2480	226	7780	7500	3580	3310	14900	1140	5110	5340	611	7660
15	3620	7440	9750	1280	3480	3620	14800	271	4660	6370	7450	6600
16	609	6430	7070	610	5010	3240	10000	5270	5280	565	7830	3650
17	220	5090	6440	12500	3790	390	892	6210	4890	592	4630	1760
18	8190	9420	983	8910	4190	353	13900	4510	595	5920	720	2790
19	5550	8030	425	15100	852	349	14600	4890	282	6530	659	7360
20	4630	852	8880	14700	301	390	14400	3260	5970	6530	320	7870
21	6590	232	11900	15500	3210	4680	16900	492	4860	6530	669	8170
22	3910	9820	11600	1400	2600	6440	16900	272	7040	5780	7160	9800
23	251	5860	9690	374	3710	5980	4330	5190	5470	556	5560	7120
24	188	5870	9480	6020	3920	5330	980	4530	6470	611	7280	565
25	3450	2750	3010	6420	3160	5230	7570	4350	1770	6040	7360	159
26	3630	3350	560	6450	764	917	8450	4270	433	6220	7360	6410
27	5030	699	8760	6440	553	405	8230	4290	7040	5630	859	6680
28	7300	414	8200	6430	4930	6500	8020	572	5840	3710	917	3270
29	5580	11500	9550	851	---	8250	9850	282	5590	2110	7410	3190
30	1340	13200	9650	347	---	17400	1270	4490	6150	320	7610	3110
31	361	---	9440	4240	---	18100	---	5860	---	620	7610	---
TOTAL	93868	176037	199094	196296	80859	130762	356022	129441	121025	120466	153750	125686
MEAN	3028	5868	6422	6332	2888	4218	11870	4176	4034	3886	4960	4190
MAX	8190	13200	11900	15500	5010	18100	22600	10000	8330	7830	8630	9800
MIN	188	197	315	347	270	349	892	271	217	320	320	159

CAL YR 1976 TOTAL 2209346 MEAN 6036 MAX 18500 MIN 126
WTR YR 1977 TOTAL 1883306 MEAN 5160 MAX 22600 MIN 159

SAVANNAH RIVER BASIN

02189000 SAVANNAH RIVER NEAR CALHOUN FALLS, S.C.

LOCATION.--Lat 34°04'15", long 82°38'30", Abbeville County, Hydrologic Unit 03060103, on left bank 150 ft (46 m) upstream from bridge on State Highway 72, 1.0 mi (1.6 km) downstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) downstream from Rocky River, 3.0 mi (4.8 km) southwest of Calhoun Falls, and at mile 279.7 (450.0 km).

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

PERIOD OF RECORD.--August 1896 to August 1898, March 1899 to December 1900, January to December 1903, March 1930 to July 1932, April 1938 to current year. Published as "at Calhoun Falls" 1897-99. Records for January 1901 to December 1902, published in WSP 65, 75, and 83 have been found unreliable, and should not be used. Gage-height records collected at original site 1.0 mi (1.6 km) upstream during 1899-1928 and at present site since 1928 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 363.53 ft (110.804 m) above mean sea level. Prior to July 1, 1928, nonrecording gage at railroad bridge 1.0 mi (1.6 km) upstream at datum about 369.0 ft (112.47 m) above mean sea level.

REMARKS.--Records good. Flow regulated by powerplants above station, by Burton and Mathis Reservoirs, and by Hartwell Lake (see sta 02187250).

AVERAGE DISCHARGE.--42 years (1896-97, 1899-1900, 1930-31, 1938-77), 5,268 ft³/s (149.2 m³/s), 24.88 in/yr (632 mm/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35,200 ft³/s (997 m³/s) Mar. 30, gage height, 6.35 ft (1.935 m); minimum daily, 388 ft³/s (11.0 m³/s) Aug. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3140	5900	9500	5850	5610	6690	27900	1080	5970	3450	4210	7770
2	2180	11400	7040	2400	5040	5280	19400	2540	5770	2210	6190	4180
3	1220	7090	5630	6040	5070	4660	18100	7160	6630	653	3740	2160
4	3270	7970	3040	10100	4770	4810	19900	6650	3290	1020	7660	449
5	3830	9270	1460	10100	2670	3370	22000	7950	754	3520	8190	730
6	2770	4720	2930	10100	1110	1670	20000	10400	5820	7570	3490	2500
7	2800	805	9690	10700	2560	3840	18200	4110	6650	9140	570	3990
8	4130	3970	11000	5870	4770	5210	17900	973	4520	8180	2290	4220
9	4090	10000	12400	1950	4600	3980	13400	3930	2650	2530	7890	5440
10	2090	7030	8250	12700	4430	4800	5750	7190	2590	683	8000	1980
11	2740	9070	4050	11900	3450	5760	11200	6060	2320	3690	9770	590
12	3300	8540	1850	7830	1920	4420	15700	8030	667	6330	8470	1220
13	3460	5590	7330	9010	1030	1970	15600	9220	2800	7630	3120	5820
14	3370	863	9560	9310	3360	3550	16500	3750	5860	6080	527	7550
15	2930	7910	12000	5530	3330	4550	16100	917	5310	6650	5300	7410
16	2860	8150	11000	2020	5270	4210	13100	3350	6090	3710	8230	4510
17	1020	6310	8400	9950	4680	1550	4440	7260	5930	599	5670	2770
18	5290	8270	3730	10600	4750	1140	10800	5350	2900	4450	2690	2570
19	8970	10000	1600	15700	2830	1080	16100	5640	799	6780	705	6490
20	3710	3750	7040	17500	964	1280	15500	4270	4630	7450	834	8710
21	7430	950	13000	16300	2360	2840	18700	2390	5650	7180	388	8800
22	5920	6820	13000	7860	3680	10000	18800	825	6590	6300	5160	9530
23	1340	8010	10900	1430	3550	7620	9040	3010	7520	3300	6250	8390
24	768	6310	10800	5030	4590	6990	2410	6040	6750	476	7040	3300
25	2150	4670	7110	7690	4650	8130	5340	5120	3510	4130	7690	720
26	4200	2780	2350	7700	2050	2430	8510	4970	1920	6480	7750	4070
27	6110	2740	6380	7710	1650	1230	9320	4930	5120	5930	3330	7680
28	5140	1220	9440	7700	4010	4520	10000	3010	6960	4900	682	4500
29	8400	9690	10500	4020	---	10800	10300	946	6560	2890	5280	3510
30	1890	14900	10800	1370	---	21100	5170	3410	7370	1460	7600	3430
31	1420	---	10800	3400	---	23500	---	6520	---	439	7750	---
TOTAL	111938	194698	242580	245370	98754	172980	415180	147001	139900	135810	156466	134989
MEAN	3611	6490	7825	7915	3527	5580	13840	4742	4663	4381	5047	4500
MAX	8970	14900	13000	17500	5610	23500	27900	10400	7520	9140	9770	9530
MIN	768	805	1460	1370	964	1080	2410	825	667	439	388	449
CAL YR 1976	TOTAL	2548018	MEAN	6962	MAX	20500	MIN	768				
WTR YR 1977	TOTAL	2195666	MEAN	6016	MAX	27900	MIN	388				

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 at mean sea level (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, 332.73 ft (101.416 m) Apr. 6; minimum 325.60 ft (99.243 m) Sept. 13.

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, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	327.55	327.68	328.68	326.52	328.17	327.26	331.96	330.59	329.59	328.09	326.19	326.47
2	327.43	327.82	328.47	326.45	328.04	327.27	332.19	330.40	329.56	328.05	326.29	326.45
3	327.36	327.87	328.10	326.31	327.94	327.26	332.44	330.33	329.55	327.93	326.52	326.36
4	327.22	327.89	327.94	326.29	327.89	327.43	332.38	330.27	329.54	327.76	326.61	326.32
5	327.12	327.95	327.70	326.30	327.87	327.49	332.63	330.24	329.48	327.57	326.73	326.17
6	327.00	327.94	327.46	326.33	327.77	327.70	332.61	330.23	329.23	327.55	326.85	326.01
7	327.20	327.96	327.61	326.52	327.62	328.01	332.45	330.30	329.32	327.62	326.76	325.95
8	327.78	327.71	327.86	326.64	327.55	328.22	332.34	330.20	329.26	327.64	326.64	325.97
9	328.52	327.81	327.81	326.84	327.50	328.31	332.24	330.03	329.17	327.61	326.64	325.91
10	328.77	327.81	327.61	327.43	327.45	328.37	331.91	330.01	329.05	327.54	326.73	325.93
11	328.68	327.91	327.47	327.93	327.44	328.44	331.55	329.96	328.94	327.33	326.84	325.87
12	328.59	327.99	328.10	328.01	327.38	328.67	331.36	329.98	328.90	327.30	326.90	325.70
13	328.52	327.99	328.35	328.04	327.29	329.23	331.13	330.04	329.75	327.28	326.90	325.61
14	328.45	328.04	328.37	328.10	327.20	329.46	330.90	330.04	329.74	327.28	326.84	325.65
15	328.34	328.45	328.37	328.22	327.21	329.59	330.77	329.95	328.74	327.25	326.68	325.80
16	328.29	328.79	328.49	328.32	327.15	329.66	330.77	329.82	328.71	327.26	326.77	325.80
17	328.26	328.86	328.27	328.18	327.12	329.61	330.70	329.85	328.73	327.19	326.78	325.80
18	328.14	328.95	327.96	328.24	327.12	329.54	330.39	329.86	328.73	326.95	326.73	325.84
19	328.23	329.08	327.71	328.22	327.13	329.46	330.30	329.82	328.68	326.90	326.60	325.82
20	328.21	329.08	327.42	328.36	327.03	329.58	330.18	329.82	328.55	326.89	326.46	325.91
21	328.23	329.03	327.18	328.45	326.92	329.91	330.27	329.76	328.54	326.84	326.37	326.00
22	328.16	328.82	326.97	328.47	326.86	330.82	330.48	329.73	328.51	326.83	326.21	326.20
23	328.04	328.74	326.82	328.30	326.81	331.28	330.66	329.60	328.51	326.81	326.21	326.18
24	328.00	328.58	326.72	328.23	326.97	331.31	330.65	329.62	328.51	326.71	326.29	326.19
25	327.90	328.42	326.70	328.29	327.02	331.20	330.57	329.62	328.51	326.56	326.39	326.26
26	327.88	328.30	326.86	328.29	326.98	331.06	330.56	329.65	328.48	326.50	326.45	326.11
27	327.87	328.22	326.71	328.33	327.04	330.94	330.58	329.70	328.24	326.45	326.46	326.15
28	327.78	328.43	326.69	328.43	327.12	330.63	330.65	329.77	328.26	326.50	326.40	326.15
29	327.83	328.64	326.60	328.44	---	330.81	330.68	329.71	328.25	326.49	326.32	326.09
30	327.73	328.80	326.49	328.34	---	331.11	330.67	329.59	328.17	326.39	326.32	325.98
31	327.73	---	326.53	328.23	---	331.47	---	329.56	---	326.34	326.45	---
MAX	328.77	329.08	328.68	328.47	328.17	331.47	332.63	330.59	329.59	328.09	326.90	326.47
MIN	327.00	327.68	326.49	326.29	326.81	327.26	330.18	329.56	328.17	326.34	326.19	325.61
(+)	51.45	54.71	47.79	52.97	49.59	63.36	60.65	57.03	52.79	47.21	47.55	46.11
(#)	93	1,258	-2,584	1,934	-1,397	5,141	-1,046	-1,352	-1,636	-2,083	127	-556
CAL YR 1976	#	-29	MAX 333.31	MIN 326.30								
WTR YR 1977	#	-161	MAX 332.63	MIN 325.61								

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

(#) CHANGE IN CONTENTS, EQUIVALENT IN CURIC FEET PER SECOND.

SAVANNAH RIVER BASIN

02196000 STEVENS CREEK NEAR MODOC, S.C.

LOCATION.--Lat 33°43'45", long 82°10'55", Edgefield County, Hydrologic Unit 03060107, on left bank at bridge on State Highway 23, 1.4 mi (2.3 km) east of Modoc, and 3.2 mi (5.1 km) downstream from Turkey Creek.

DRAINAGE AREA.--545 mi² (1,412 km²).

PERIOD OF RECORD.--November 1929 to September 1931, February 1940 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1032: Drainage area. WSP 1533: 1954(M).

GAGE.--Water-stage recorder. Datum of gage is 197.34 ft (60.149 m) above mean sea level (levels by Southeastern Power Administration). October 15, 1929, to Sept. 30, 1931, nonrecording gage at site 1,100 ft (340 m) upstream at different datum.

REMARKS.--Records good. Slight diurnal fluctuation during low flow caused by small mills above station.

AVERAGE DISCHARGE.--38 years (1930-31, 1940-77), 419 ft³/s (11.87 m³/s) 10.44 in/yr (265 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,100 ft³/s (994 m³/s) Aug. 14, 1940; maximum gage height, 41.08 ft (12.521 m) Aug. 14, 1940; no flow Sept. 14, 15, Sept. 24 to Nov. 16, Nov. 22, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft³/s (170 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)
Oct. 9	2300	*17,800 504	*30.87 9.409	Jan. 10	1800	8,130 230	21.66 6.602
Nov. 29	1400	8,710 247	22.34 6.809	Mar. 14	0230	10,600 300	24.49 7.465
Dec. 7	1800	7,350 208	20.69 6.306	Mar. 22	1900	10,400 295	24.20 7.376
Dec. 13	0430	12,100 343	25.97 7.916				

Minimum daily, 12 ft³/s (0.34 m³/s) July 25-28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	130	912	355	290	462	768	121	76	24	37	28
2	81	121	577	315	267	310	510	121	72	28	37	22
3	55	100	432	310	252	258	426	124	66	29	191	19
4	43	92	352	642	250	275	525	119	56	28	540	20
5	36	87	302	576	258	1160	1530	113	50	31	245	24
6	29	80	287	459	242	1220	1740	105	45	22	121	41
7	57	78	612	1170	217	3980	726	100	43	21	65	34
8	6850	76	3140	1090	205	1920	450	94	37	17	45	30
9	15700	73	1190	648	197	870	362	88	38	16	34	40
10	10900	73	636	6980	197	561	310	81	44	15	31	40
11	1490	72	534	3260	200	447	282	75	40	15	44	48
12	352	80	9040	1160	200	400	262	72	24	16	37	39
13	250	90	8740	765	205	8310	245	72	20	15	28	34
14	193	115	2060	732	212	5720	227	69	20	14	24	26
15	163	2540	2640	1490	200	1350	212	68	22	15	26	24
16	159	3380	3060	1040	189	768	202	65	48	14	42	23
17	151	1330	1530	678	182	549	195	63	130	13	34	76
18	149	501	890	501	174	435	180	60	119	14	31	143
19	147	335	624	410	174	387	170	59	66	15	30	80
20	149	267	525	390	178	1110	161	56	53	15	34	51
21	161	227	582	360	172	1840	153	60	46	15	32	36
22	155	195	477	340	168	9020	147	76	44	22	27	29
23	117	176	392	322	163	4740	153	80	38	24	22	24
24	100	166	367	317	397	1330	250	70	32	13	19	21
25	96	159	342	387	933	798	265	78	28	12	26	19
26	105	157	2930	441	415	582	184	103	26	12	80	48
27	147	217	1600	385	307	477	153	362	27	12	143	132
28	119	1630	814	365	657	423	138	170	22	12	103	61
29	98	7580	582	444	---	875	130	237	19	15	57	57
30	90	2250	444	367	---	2730	124	111	22	15	40	46
31	92	---	385	307	---	1420	---	81	---	22	32	---
TOTAL	38393	22377	52504	27006	7501	54727	11180	3153	1373	551	2257	1315
MEAN	1238	746	1694	871	268	1765	373	102	45.8	17.8	72.8	43.8
MAX	15700	7580	9040	6980	933	9020	1740	362	130	31	540	143
MIN	29	72	287	307	163	258	124	56	19	12	19	19
CFSM	2.27	1.37	3.11	1.60	.49	3.24	.68	.19	.08	.03	.13	.08
IN.	2.62	1.53	3.58	1.84	.51	3.74	.76	.22	.09	.04	.15	.09

CAL YR 1976	TOTAL	219253	MEAN	599	MAX	15700	MIN	11	CFSM	1.10	IN	14.97
WTR YR 1977	TOTAL	222337	MEAN	609	MAX	15700	MIN	12	CFSM	1.12	IN	15.18

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) above mean sea level (Corps of Engineers bench mark). Oct. 1, 1883 to Dec. 31, 1891, Jan. 1, 1896, to Dec. 31, 1906, Jan. 1, 1925, to Sept. 30, 1932, nonrecording or recording gage at Fifth Street Bridge at datum 102.06 ft (31.108 m) above mean sea level (levels by Southeastern Engineering Co.). Oct. 1, 1932, to Sept. 30, 1936, recording gage at Thirteenth Street Bridge at datum 104.56 ft (31.870 m) above mean sea level (levels by Corps of Engineers). Oct. 1, 1936, to Nov. 10, 1948, recording gage at site 0.2 mi (0.3 km) downstream from present site and at present datum.

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.--70 years, 10,200 ft³/s (289 m³/s), 18.45 in/yr (469 mm/yr).

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 (19,200 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, 34,200 ft³/s (969 m³/s) Apr. 7, gage height, 20.50 ft (6.248 m); minimum daily, 6,000 ft³/s (170 m³/s) Oct. 4.

REVISION.--Mean daily discharges for the period April 5 to September 30, 1975 have been revised and are listed in the following table. The revised minimum daily for the 1975 water year is, 5,830 ft³/s (165 m³/s) Oct. 1, 1974.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5830	6800	6950	7100	15600	18600	36300	8090	8400	7230	7790	6760
2	6200	6760	7000	7180	12300	18600	33300	8450	7650	7740	7930	6790
3	6490	6750	6780	7680	12000	16600	34600	8490	8350	7790	7610	7190
4	6640	6540	6600	7360	17000	18500	43900	8230	16100	7900	7000	8480
5	6590	6360	6810	7090	19500	18800	36200	9240	15800	7860	6960	8700
6	6620	6590	6710	6930	14800	18300	34200	14500	15600	7710	7040	7530
7	6170	6810	6710	6800	17300	16000	35800	13200	12100	7130	7300	8340
8	5830	6780	6960	6880	14500	12800	36500	12600	8510	7260	7680	7580
9	6330	7470	6990	6740	14900	10100	32600	13000	7860	8240	7780	7460
10	6410	7140	6960	7200	18000	10600	27200	12600	8420	8060	7520	7980
11	6450	6730	6990	8350	21500	13500	23400	11100	8160	7990	7500	7810
12	6550	6540	6770	9210	19800	15100	19600	10000	8360	8110	7650	7700
13	6430	6580	6870	13100	17300	18100	16300	12900	9700	7810	7890	8090
14	6380	6780	6950	19900	14600	25300	15400	14100	9350	7180	7780	7800
15	6330	6840	7100	17700	12800	31000	18200	12700	8340	8430	7690	6910
16	6570	7070	7020	16000	10500	33600	19800	13300	7880	12900	7660	6720
17	6780	6630	6880	16700	8420	38600	19800	15200	8800	11200	7460	7120
18	6710	6850	7260	15500	12200	41800	18500	14100	10200	9180	6990	8470
19	6740	6860	7320	12300	23500	41000	15600	14100	11300	8280	7080	8590
20	6680	6820	7210	11700	25100	35100	13200	17100	9940	8230	7520	8950
21	6380	7060	7270	14900	27800	38900	12500	18300	8120	7760	7730	8660
22	6350	7020	7250	15500	23100	39900	13400	18200	7840	7580	7840	7340
23	6440	7080	7100	15800	22300	39500	16600	16900	7170	7890	7850	7870
24	6520	6890	7100	13300	21800	40300	14900	15900	7260	7960	7500	8180
25	6550	6670	7190	12100	22900	43400	11900	14100	7720	8140	6900	8960
26	6730	6690	7700	11900	21800	36800	9410	13500	7860	9240	6980	8390
27	6810	6580	7430	14100	19900	39000	7980	15800	7880	8440	7780	8520
28	6340	6870	7130	17500	18700	38900	7920	18000	7960	8060	8530	7800
29	6140	6910	7180	16500	---	38300	8000	17400	7330	8060	7900	7150
30	6350	6960	7060	17100	---	38100	8060	14000	7100	7880	7690	7620
31	6630	---	7100	17300	---	38200	---	11100	---	7910	7390	---
TOTAL	199970	204430	218350	377320	508020	883300	641470	416200	277060	255150	233920	236460
MEAN	6450	6814	7040	12171	16143	28493	21382	13425	9235	8230	7545	7882
MAX	6810	7470	7700	19900	27800	43400	43900	18300	16100	12900	8530	9180
MIN	5830	6360	6600	6740	8420	10100	7920	8090	7100	7130	6900	6720
WTR YR 1975 TOTAL	4451650	MEAN	12196	MAX	43900	MIN	5830					

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8120	7340	20900	13100	10500	8850	28300	9310	8170	9170	7340	6960
2	7980	7180	18800	10800	11800	9290	26600	8940	8120	8830	7010	6960
3	7870	7100	17800	10900	11400	8030	21600	10300	7890	7940	7720	6930
4	6000	7420	16900	14400	11400	8420	19400	10800	7920	7560	8600	6820
5	6940	7720	13900	14600	10300	8550	26500	10500	7510	7460	8520	6740
6	7290	8170	14000	14300	8220	8460	31400	10700	7030	8210	8240	6590
7	7730	7290	18100	13500	8230	10500	32200	10500	9700	8270	7820	6640
8	8100	6870	24500	11900	9900	12100	30100	8320	8140	8000	7290	6850
9	14300	7440	21200	9630	9980	10200	25300	7890	7580	7680	7040	6930
10	19900	7650	20100	13700	9370	8480	24400	7880	7640	7560	6950	7120
11	17400	7920	18400	23800	8810	8570	25300	8620	7950	7280	6900	7090
12	12600	7860	20800	18900	8430	8730	26700	9010	7680	6920	6840	6770
13	8850	7610	31100	15900	7510	12000	26700	8900	7020	7020	6930	6590
14	7620	7610	28900	14700	8260	23300	27100	8590	6630	7250	7230	6620
15	7790	7070	25600	14900	9130	17700	25500	8160	7120	7300	6980	6980
16	8030	11100	28600	11800	8120	11300	20300	7750	7320	7320	6830	7110
17	8160	12900	26600	12000	8430	9230	15800	7590	7810	7310	6860	7230
18	7400	9600	24900	15800	8540	9010	15400	7680	8010	7060	6900	7270
19	6910	7820	19700	14500	8620	9050	19100	7640	7870	6990	7070	7000
20	7720	8230	19200	15900	7980	8270	19900	7560	7470	7650	8060	6820
21	8490	7990	23600	16100	7510	8730	18400	7660	7050	7790	7600	6910
22	8350	8290	23800	14100	7880	18600	15400	7400	7360	8170	6970	6870
23	8690	10700	23700	11600	7970	24000	13000	7160	7640	8060	6610	6630
24	8330	13100	19500	11900	8000	18600	10700	6990	7600	7700	6690	6530
25	7300	12500	15800	11400	8270	17400	9350	7490	8000	7350	6880	6970
26	7370	11600	15000	10800	8740	16000	10100	7810	7850	7490	7330	7050
27	7770	10900	17000	11200	8260	13200	10200	7930	7550	7370	7500	6840
28	7900	9300	18000	10100	8310	13200	10500	8450	8230	7130	7180	7200
29	8340	16100	17400	9450	---	17000	10400	8030	8380	7230	6780	7230
30	8120	25100	16800	8790	---	19100	9700	7510	8100	7300	6640	7010
31	7910	---	15800	9030	---	27800	---	7210	---	7600	6980	---
TOTAL	275280	287480	636400	409500	249870	403670	605350	260280	232340	235970	224290	207260
MEAN	8880	9583	20530	13210	8924	13020	20180	8396	7745	7612	7235	6909
MAX	19900	25100	31100	23800	11800	27800	32200	10800	9700	9170	8600	7270
MIN	6000	6870	13900	8790	7510	8030	9350	6990	6630	6920	6610	6530
CAL YR 1976	TOTAL	4498290	MEAN	12290	MAX	31900	MIN	6000				
WTR YR 1977	TOTAL	4027690	MEAN	11030	MAX	32200	MIN	6000				

SAVANNAH RIVER BASIN

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02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1949 to September 1950, February 1968 to September 1972, July 1973 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1973 to current year.

INSTRUMENTATION.--Servo Programmer since October 1973.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.0°C July 30, 1974; minimum, 4.5°C Jan. 30, 31, Feb. 2, 4, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.5°C Aug. 30, 31, Sept. 1; minimum, 4.5°C Jan. 30, 31, Feb. 2, 4.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	22.0	18.0	20.0	22.0	19.5	20.5	23.0	21.5	22.0	25.5	24.0	24.5
2	20.5	18.0	19.0	20.5	19.0	20.0	23.0	22.0	22.5	25.0	24.5	24.5
3	20.5	18.0	19.5	22.0	20.0	21.0	23.0	21.0	21.5	25.0	23.5	24.0
4	20.5	18.0	19.5	23.0	21.0	22.0	22.0	21.0	21.5	24.0	23.5	24.0
5	20.5	18.5	19.5	22.5	21.5	22.0	23.5	21.5	22.0	24.0	23.0	23.5
6	20.5	19.0	20.0	22.5	21.0	21.5	24.5	22.0	23.0	24.5	23.5	24.0
7	20.5	18.0	19.5	22.0	20.5	21.0	24.5	22.5	23.5	24.5	24.0	24.0
8	19.0	17.5	18.0	22.5	20.5	21.5	25.0	23.0	24.0	24.5	24.0	24.0
9	20.0	18.5	19.0	23.0	21.0	22.0	25.0	23.5	24.0	24.0	23.0	23.5
10	20.0	18.5	19.5	23.0	21.0	22.0	25.0	23.5	24.0	23.5	23.0	23.0
11	20.0	17.5	19.0	23.5	21.5	22.5	24.5	23.5	24.0	24.0	23.0	23.5
12	20.0	18.0	19.0	24.0	22.5	23.0	25.0	23.5	24.5	24.0	23.0	23.5
13	21.0	19.5	20.5	24.0	22.0	22.5	25.0	23.5	24.0	24.0	23.5	24.0
14	22.5	21.0	21.5	22.5	21.0	22.0	24.0	23.0	23.5	24.5	23.5	24.0
15	22.0	20.0	21.0	22.5	21.0	22.0	24.0	23.0	23.5	24.0	23.5	24.0
16	21.0	19.0	20.0	23.0	21.5	22.0	24.5	23.5	24.0	24.5	24.0	24.0
17	20.5	18.5	19.5	23.0	21.0	22.0	24.5	23.5	24.0	24.5	23.5	24.0
18	20.5	18.5	19.5	23.5	21.5	22.5	24.5	23.5	24.0	24.5	23.5	24.0
19	21.0	19.0	20.0	24.0	22.5	23.0	24.0	22.5	23.0	25.0	24.0	24.5
20	22.0	20.0	21.0	23.5	21.5	22.5	23.0	22.0	22.5	25.0	24.5	25.0
21	23.0	22.0	22.5	23.0	21.0	22.0	23.5	22.0	23.0	25.0	24.5	24.5
22	23.0	20.5	21.5	23.0	21.0	22.0	24.0	22.5	23.5	25.0	24.0	24.5
23	22.0	20.0	21.0	22.0	20.5	21.5	24.5	23.5	24.0	24.5	24.0	24.0
24	21.5	20.0	21.0	22.5	21.5	22.0	24.5	23.5	24.0	24.5	23.5	24.0
25	21.5	20.0	21.0	23.0	21.0	22.0	24.5	23.5	24.0	24.0	22.5	23.0
26	22.0	20.0	21.0	23.0	22.0	22.5	24.5	23.5	24.0	24.0	23.0	23.5
27	22.0	20.5	21.0	23.0	21.5	22.0	24.5	23.0	24.0	24.5	24.0	24.0
28	22.5	21.0	21.5	22.0	21.0	21.5	24.5	23.5	24.0	24.5	24.0	24.0
29	21.5	19.5	20.5	21.5	20.0	20.5	25.0	24.0	24.5	24.0	23.5	23.5
30	22.0	20.0	21.0	21.0	19.5	20.5	25.5	24.5	25.0	24.0	23.0	23.5
31	---	---	---	22.0	20.5	21.5	25.5	24.0	25.0	---	---	---

YEAR	25.5	4.5	16.0
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SAVANNAH RIVER BASIN

185

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 03060103, on 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, except for period of no gage-height record Dec. 1 to Jan. 4, which is poor.

AVERAGE DISCHARGE.--11 years, 112 ft³/s (3.172 m³/s), 17.48 in/yr (444 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, 66 ft³/s (1.87 m³/s) Sept. 14, 1969.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft³/s (7.08 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
Mar. 22	0500	*304	8.61	*7.07	2.155
May 20	0100	278	7.87	6.95	2.118
Aug. 3	2100	254	7.19	6.80	2.073

Minimum discharge, 90 ft³/s (2.55 m³/s) July 20, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	112	124	118	116	127	139	111	107	102	108	96
2	103	110	122	128	119	123	132	109	103	104	127	97
3	101	108	110	159	119	119	131	109	100	116	203	100
4	100	111	115	168	120	155	137	108	100	104	175	104
5	99	110	115	128	120	161	147	107	99	98	123	116
6	99	111	135	123	118	184	133	104	99	103	109	106
7	107	111	170	149	117	214	127	104	104	98	103	120
8	120	110	160	128	116	155	125	106	101	94	99	139
9	175	109	135	124	116	137	123	103	100	93	98	111
10	122	110	124	179	116	131	122	102	99	91	114	105
11	111	111	140	140	116	131	117	104	99	91	100	105
12	107	110	220	128	116	130	117	103	107	95	97	100
13	105	111	195	124	118	173	118	103	102	108	98	99
14	104	113	162	136	116	143	117	102	120	106	106	99
15	103	180	155	138	116	131	116	101	113	98	107	103
16	102	150	142	127	115	127	115	101	108	94	160	115
17	138	126	132	121	114	125	114	101	110	93	108	115
18	123	123	120	119	115	124	114	100	110	93	107	106
19	110	117	127	120	116	120	113	117	106	92	140	101
20	188	115	120	119	116	138	116	165	135	90	111	102
21	150	116	122	119	114	148	125	117	110	90	104	100
22	122	113	126	119	114	271	115	111	103	98	102	99
23	115	111	123	130	114	173	129	108	101	113	99	98
24	112	111	120	127	152	146	141	115	102	95	98	99
25	115	112	120	123	133	138	120	120	100	92	120	99
26	134	117	170	127	122	133	114	117	103	96	119	170
27	117	137	150	133	143	131	113	116	106	105	106	128
28	112	172	120	126	150	126	111	110	99	97	101	125
29	111	182	122	123	---	129	110	106	98	103	100	109
30	113	136	110	122	---	133	111	110	108	108	100	109
31	116	---	118	121	---	154	---	123	---	99	98	---
TOTAL	3639	3665	4297	4046	3377	4530	3662	3413	3152	3059	3540	3275
MEAN	117	122	130	131	121	146	122	110	105	98.7	114	109
MAX	188	182	220	179	152	271	147	165	135	116	203	170
MIN	99	108	115	118	114	119	110	100	98	90	97	96
CFSM	1.35	1.40	1.60	1.51	1.39	1.68	1.40	1.26	1.21	1.13	1.31	1.25
IN.	1.56	1.57	1.84	1.73	1.44	1.94	1.57	1.46	1.35	1.31	1.51	1.40

CAL YR 1976 TOTAL 42625 MEAN 116 MAX 372 MIN 89 CFSM 1.33 IN 18.23
WTR YR 1977 TOTAL 43655 MEAN 120 MAX 271 MIN 90 CFSM 1.38 IN 18.67

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 1976 TO SEPTEMBER 1977

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	ALKA- LINITY AS CACO3 (MG/L)	BICAR- BONATE (HCO3) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CAR- BONATE (CO3) (MG/L)
OCT										
07...	0850	19.5	--	--	--	--	--	--	--	--
NOV										
11...	1100	14.0	9.3	16	6.6	4	5	.7	2.0	0
DEC										
03...	1145	12.5	--	--	--	--	--	--	--	--
JAN										
13...	1140	9.0	10.3	14	6.2	5	6	.9	6.1	0
FEB										
11...	1230	11.0	--	--	--	--	--	--	--	--
MAR										
10...	1245	13.0	10.8	14	6.1	4	5	.5	6.4	0
APR										
08...	1150	17.5	--	--	--	--	--	--	--	--
MAY										
12...	0850	15.0	8.9	14	6.2	4	5	.6	5.0	0
JUN										
03...	0845	19.0	--	--	--	--	--	--	--	--
JUL										
14...	0950	21.0	7.4	14	5.7	6	7	.6	22	0
AUG										
11...	1045	24.0	--	14	--	--	--	--	--	--
SEP										
15...	1100	21.0	8.0	17	5.7	4	5	.5	16	0

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	IMMF- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOC- KI AGAR (COL. PFR 100 ML)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	HARD- NESS (CA+MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT										
07...	--	--	--	--	--	--	--	--	--	--
NOV										
11...	1.9	357	165	165	.2	0	2	.1	.20	.00
DEC										
03...	--	--	--	--	--	--	--	--	--	--
JAN										
13...	2.4	8140	70	66	.0	0	4	.4	.22	.00
FEB										
11...	--	--	--	--	--	--	--	--	--	--
MAR										
10...	2.1	433	98	132	.0	0	2	.1	.20	.01
APR										
08...	--	--	--	--	--	--	--	--	--	--
MAY										
12...	2.1	838	142	315	.0	0	3	.3	.22	.01
JUN										
03...	--	--	--	--	--	--	--	--	--	--
JUL										
14...	2.4	414	158	307	.0	0	3	.4	.29	.14
AUG										
11...	--	--	--	--	--	--	--	--	--	--
SEP										
15...	1.9	710	430	281	.0	0	2	.3	.19	.01

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SODIUM (NA) (MG/L)	SODIUM AD- SORP- TION RATIO	PERCENT SODIUM	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
OCT 07...	--	--	--	--	--	--	--	--	--	--
NOV 11...	.2	8	15	2.79	.01	1.4	.4	56	7.0	1.4
DEC 03...	--	--	--	--	--	--	--	--	--	--
JAN 13...	.2	14	18	5.29	.02	1.4	.3	42	6.8	2.5
FEB 11...	--	--	--	--	--	--	--	--	--	--
MAR 10...	.2	24	16	9.33	.03	3.0	1.0	77	6.4	1.2
APR 08...	--	--	--	--	--	--	--	--	--	--
MAY 12...	.3	22	14	7.01	.03	1.1	.3	43	6.6	.4
JUN 03...	--	--	--	--	--	--	--	--	--	--
JUL 14...	.3	28	18	9.83	.04	1.5	.4	48	7.2	2.2
AUG 11...	--	--	--	--	--	--	--	--	--	--
SEP 15...	.4	22	16	6.95	.03	1.6	.4	54	7.2	1.5

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	CYANIDE (CN) (MG/L)
NOV 11...	1100	0	100	0	40	0	.00
MAY 12...	0850	0	100	3	10	2	.00

DATE	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
NOV 11...	200	6	20	.0	0	0	0
MAY 12...	470	6	10	.0	0	0	10

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SED- IMENT (MG/L)	SUS- PENDE SED- IMENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT 07...	0850	159	4	1.7	100
NOV 11...	1100	129	2	.70	100
DEC 03...	1145	173	7	3.3	100
JAN 13...	1140	140	0	.00	100
FEB 11...	1230	165	5	2.2	100
MAR 10...	1245	144	1	.39	100
APR 08...	1150	177	7	3.3	100
MAY 12...	0850	118	6	1.9	100
JUN 03...	0845	159	8	3.4	100
JUL 14...	0950	130	7	2.5	100
AUG 11...	1045	162	6	2.6	100
SEP 15...	1100	117	3	.95	100

SAVANNAH RIVER BASIN

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	
NOV 11...	1100	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00	
DATE	TIME	TOTAL DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	
NOV 11...	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00	
DATE	TIME	TOTAL PARA- THION (UG/L)	TOTAL PCB (UG/L)	PCR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ETHION (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)
NOV 11...	.00	.0	.0	0	.00	0	0	.00	.00	.00	.00	.00	.00
DATE	TIME	DIS- SOLVED RA-226 (RADON METHOD) (PC/L)	DIS- SOLVED URANIUM (U) (UG/L)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS SR90 /Y90 (PC/L)	DIS- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENDED GROSS BETA AS CS-137 (PC/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)		
NOV 11...	1100	.78	.02	1.0	<.4	.6	<.4	.7	<.4	16	<1		

SAVANNAH RIVER BASIN

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02197320 SAVANNAH RIVER NEAR JACKSON, S.C.

LOCATION.--Lat 33°13'01", long 81°46'04", Aiken County, Hydrologic Unit 03060106, on left bank 1.4 mi (2.3 km) downstream from Upper Three Runs 15.2 mi (24.5 km) upstream from Steel Creek, 6.2 mi (10.0 km) south of Jackson and at mile 156.8 (252.3 km).

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.22 ft (6.163 m) Mar. 3, 1975; minimum daily, 6,330 ft³/s (179 m³/s) Oct. 5, 1971, Oct. 21, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.85 ft (5.745 m) Apr. 8; minimum daily, 6,420 ft³/s (182 m³/s) June 14.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8420	7900	---	17800	10200	9580	21100	10000	8400	8620	7280	7150
2	8260	7600	22000	15400	12300	10000	---	9000	8300	9570	6830	6990
3	7960	7600	20100	12300	12400	8990	---	10300	7900	7890	7380	7100
4	7420	7800	19600	14600	12500	8760	21400	11400	7810	7290	8920	6960
5	6930	7840	18900	16100	12100	9470	20900	11300	7270	7230	9080	7070
6	7030	8320	17300	16300	9670	9800	21600	11400	6680	7810	8750	6910
7	7430	8190	17700	16300	8050	10600	---	11600	8280	8250	8100	6850
8	7990	7260	19500	15400	9770	14000	---	9460	8620	7970	7280	7170
9	11000	7310	20900	12700	10800	13800	---	8130	7560	7460	6900	7330
10	16200	7900	21000	11800	10600	10800	---	8030	7380	7390	6850	7310
11	18100	8200	20600	16900	9710	9360	21900	8000	7450	7070	6840	7350
12	17800	8000	20300	19300	9220	9730	21800	9110	7610	6500	6660	7010
13	14400	7900	20800	19400	8070	10400	22000	8980	6960	6660	6690	6900
14	9790	7900	---	18500	7600	16200	---	8500	6420	7090	7050	6800
15	8380	8000	---	17800	9400	19100	---	8400	6820	7210	6970	7200
16	8230	11200	---	16600	8480	18400	22000	8200	7110	7160	6760	7350
17	8600	12500	---	14000	8450	14500	21000	7900	7550	7180	6880	7540
18	8250	12000	---	16500	8620	11700	19100	7900	7850	6820	6960	7710
19	7450	9700	---	16500	8780	10100	18700	7900	7740	6590	7150	7310
20	8000	8600	20900	16700	8210	9610	19400	8000	7140	7220	7520	6920
21	8800	8400	20400	16900	7410	8880	19800	7900	6840	7650	7540	7000
22	8800	8700	20800	16200	7750	13800	19300	7600	7320	7760	7050	6980
23	8900	11000	21100	15000	8050	18700	18000	7300	7830	7960	6580	6780
24	8800	13000	21100	13400	8410	20500	15800	7100	7640	7440	6700	6490
25	8300	13200	20400	12800	8860	20400	12500	7600	7700	7140	6910	6830
26	7900	12500	19200	12200	9160	19800	11300	8000	7540	6490	7430	7230
27	8100	12000	18400	12000	8730	18700	11200	8400	7240	6490	8040	7070
28	8300	11500	18900	11900	8880	16500	11100	8800	7410	6730	7690	7540
29	8500	15000	19200	10700	---	16900	11400	8300	8480	7080	7060	7730
30	8500	22000	19100	9810	---	18100	11000	7800	8350	7180	6790	7410
31	8300	---	18800	9000	---	19500	---	7500	---	7520	6920	---
TOTAL	290840	299020	---	460810	262190	426680	---	269810	227200	228420	225560	213990
MEAN	9382	9967	---	14860	9364	13760	---	8704	7573	7368	7276	7133
MAX	18100	22000	---	19400	12500	20500	---	11600	8620	9570	9080	7730
MIN	6930	7260	---	9000	7410	8760	---	7100	6420	6490	6580	6490

SAVANNAH RIVER BASIN

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1971 to current year.

INSTRUMENTATION.--Servo Programmer since October 1971.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.0°C Aug. 14, 1973, July 31, Aug. 27, 28, 1974, Aug. 19, 20, 1975; Aug. 8-11, 30, 31, Sept. 1, 1977; minimum, 4.5°C Jan. 19, 20, 22, 23, Feb. 1, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 26.0°C Aug 8-11, 30, 31, Sept. 1; minimum, 4.5°C Jan. 19, 20, 22, 23, Feb. 1.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	23.0	21.0	22.0	23.0	21.0	22.5	23.5	22.0	22.5	26.0	24.5	25.5
2	22.5	20.5	21.5	22.5	21.0	21.5	23.0	22.5	23.0	25.5	24.5	25.0
3	22.5	20.0	21.5	22.5	21.0	21.5	23.0	22.0	22.5	25.0	24.5	25.0
4	22.5	20.5	21.5	23.5	21.0	22.5	22.5	21.5	22.0	25.0	24.0	24.5
5	22.5	20.5	21.5	24.0	22.5	23.5	23.5	22.0	23.0	24.5	23.5	24.0
6	22.5	20.5	21.5	24.0	23.0	23.5	24.5	23.0	23.5	25.0	24.0	24.5
7	22.5	21.0	22.0	23.5	22.5	23.0	25.5	23.5	24.5	25.0	24.0	24.5
8	21.5	20.0	21.0	23.5	22.0	23.0	26.0	24.0	25.0	25.0	24.0	24.5
9	21.5	19.5	20.5	24.5	22.5	23.5	26.0	24.5	25.5	25.0	24.0	24.5
10	21.5	20.0	21.0	24.5	23.0	23.5	26.0	24.0	25.5	24.5	23.5	24.0
11	22.0	20.0	21.0	24.5	23.0	23.5	26.0	24.5	25.5	24.5	23.5	24.0
12	22.0	20.0	21.0	25.0	23.0	24.0	25.5	24.5	25.0	24.0	23.0	23.5
13	22.5	20.5	21.5	25.0	24.0	24.5	25.5	24.5	25.0	24.5	23.5	24.0
14	23.0	22.0	22.5	24.5	23.0	24.0	25.5	24.0	24.5	25.0	24.0	24.5
15	23.5	22.5	23.0	24.0	22.5	23.5	25.0	23.5	24.5	25.0	24.0	24.5
16	23.0	21.5	22.0	24.0	22.5	23.5	25.5	24.0	24.5	24.5	24.0	24.5
17	22.0	20.5	21.5	24.0	22.5	23.5	25.5	24.5	25.0	25.0	24.0	24.5
18	22.0	20.5	21.5	24.5	22.5	23.5	25.5	24.5	25.0	25.0	24.0	24.5
19	22.5	20.5	21.5	24.5	23.0	24.0	24.5	24.0	24.0	25.0	24.0	24.5
20	23.0	21.5	22.5	25.0	23.5	24.5	24.0	23.0	23.5	25.5	24.0	25.0
21	24.0	22.5	23.0	24.0	23.0	23.5	24.0	22.5	23.5	25.5	24.5	25.0
22	24.5	23.5	24.0	23.5	22.5	23.0	24.5	23.0	24.0	25.5	24.5	25.0
23	24.0	22.5	23.5	24.0	22.0	23.0	25.0	23.5	24.5	25.0	24.0	24.5
24	23.5	22.0	23.0	23.5	22.0	22.5	25.5	24.0	25.0	24.5	23.5	24.0
25	23.5	21.5	22.5	24.0	22.5	23.0	25.0	24.0	24.5	24.0	23.5	24.0
26	23.0	22.0	22.5	23.5	22.5	23.0	25.0	24.0	24.5	24.0	23.0	23.5
27	24.0	21.5	22.5	23.5	22.5	23.0	25.0	24.0	24.5	24.5	23.5	24.0
28	23.5	22.5	23.0	23.5	22.0	22.5	25.5	24.0	24.5	24.5	24.0	24.5
29	24.0	22.0	23.0	22.0	21.0	21.5	25.0	24.0	25.0	24.5	23.0	23.5
30	23.0	22.0	22.5	22.0	21.0	21.5	26.0	24.5	25.5	23.5	23.0	23.0
31	---	---	---	22.5	21.0	22.0	26.0	25.0	25.5	---	---	---
YEAR	26.0	4.5	17.0									

SAVANNAH RIVER BASIN

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, 27.0°C Aug. 15, 1973, July 31, Aug. 1, 1974, Aug. 27, 1975, Aug. 11, 17, 30, 31, Sept. 1, 1977; minimum, 4.0°C Jan. 20, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 27.0°C Aug. 11, 17, 30, 31, Sept. 1; minimum, 4.0°C Jan. 20.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

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TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977--Continued

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

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.
(National stream-quality accounting network station)
(Radiochemical program station)

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County (Ga.) - Jasper County (S.C.), Hydrologic Unit 03060109, Ga.-S.C. 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) above mean sea level. 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, except period of no gage-height record May 29 to June 28, which is fair. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500), and by other powerplants above station.

AVERAGE DISCHARGE.--44 years, 12,100 ft³/s (343 m³/s), 16.69 in/yr (424 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, 33,400 ft³/s (946 m³/s) Dec. 22, gage height, 15.85 ft (4.831 m); minimum daily, 6,980 ft³/s (198 m³/s) July 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9880	10300	15600	23700	14900	10900	24500	15600	8600	8330	7610	8030
2	9940	10100	15900	22800	13400	11100	23600	14100	7820	8460	7820	7900
3	9840	9670	16200	22300	12800	11400	22700	12700	8480	8770	7800	7810
4	9640	9200	16700	23200	13000	11700	22200	11600	8660	8930	7880	7730
5	9370	8980	17300	23600	13400	12100	22100	11400	8540	8220	8480	7700
6	8900	9010	18000	23100	13700	12300	22700	11800	8360	7670	9330	7730
7	8410	9250	19000	22200	13900	13100	24300	12000	8180	7420	9600	7810
8	8390	9480	20400	21200	13400	13900	26400	12000	7760	7820	9340	7680
9	8790	9320	21700	20400	12000	14700	27700	12000	8240	8110	8800	7640
10	9570	8770	22600	19900	11700	15300	28000	11200	8840	8020	8090	7820
11	11100	8670	23000	19600	12000	15900	28200	9950	9440	7810	7680	7910
12	12300	8900	23300	19100	12100	16300	29300	9260	9080	7630	7570	7900
13	13200	9160	23700	18500	11700	16200	31100	9230	7940	7320	7590	7820
14	13900	9340	24300	18100	11100	15500	32200	9620	7880	7060	7630	7590
15	14600	9280	25700	18000	10100	15200	32000	9660	7640	7090	7630	7430
16	15100	9260	27200	18200	9780	15400	31100	9340	7280	7310	7760	7400
17	14800	9230	28500	18800	10300	15900	30100	8860	7340	7430	7700	7540
18	13500	10300	29200	19800	10200	16500	29400	8380	7640	7440	7610	7650
19	12400	12000	30300	20700	10100	17200	29100	8220	7760	7390	7810	7820
20	11600	12900	31900	21300	10200	18000	28900	8290	8120	7150	8120	7880
21	10900	12700	33100	21100	10200	18700	28500	8290	8120	7050	8360	7630
22	11100	11600	33100	20400	9830	18600	27400	8270	7880	7420	8680	7390
23	11800	10700	30500	19800	9350	17600	26000	8240	7700	7810	8640	7360
24	12200	10400	29300	19300	9450	16900	24600	8080	7640	8050	8230	7310
25	12200	11100	28000	19200	9870	17000	23300	7970	7820	8060	7860	7140
26	11900	12300	27100	19100	10400	17600	22500	7930	7820	7810	7750	7020
27	11100	13400	26100	18900	10800	18600	21800	8320	7820	7460	7960	7240
28	10400	14300	25600	18600	11000	19800	20900	8820	7640	7050	8470	7430
29	10200	15000	25500	18000	---	21400	19400	8840	7490	6980	8850	7480
30	10200	15400	25200	17100	---	23200	17500	9080	7750	7180	8770	7790
31	10300	---	24700	16100	---	24500	---	9020	---	7430	8440	---
TOTAL	347530	320020	758700	622100	320680	502500	777500	308070	241280	237680	253860	228580
MEAN	11210	10670	24470	20070	11450	16210	25920	9938	8043	7667	8189	7619
MAX	15100	15400	33100	23700	14900	24500	32200	15600	9440	8930	9600	8030
MIN	8390	8670	15600	16100	9350	10900	17500	7930	7280	6980	7570	7020
CAL YR 1976 TOTAL	5372370			MEAN 14680	MAX 33400	MIN 7660						
WTR YR 1977 TOTAL	4918500			MEAN 13480	MAX 33100	MIN 6980						

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1965 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1974 to July 1977.

WATER TEMPERATURE: January 1974 to July 1977.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 110 micromhos June 14, 1977; minimum daily, 42 micromhos July 5, 1974.

WATER TEMPERATURE: Maximum daily, 27.0°C Aug. 23, 1975; July 9, 13, 1977; minimum daily, 4.0°C Jan. 22-24, 26, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 110 micromhos July 14; minimum daily, 50 micromhos Dec. 19.

WATER TEMPERATURE: Maximum daily, 27.0°C July 9, 13; minimum daily, 4.0°C Jan. 22-24, 26, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT							
06...	1225	23.0	7.7	76	6.7	.39	.05
NOV							
02...	0935	14.0	10.0	71	6.6	--	--
04...	1430	15.0	8.8	77	6.6	.58	.28
DEC							
02...	1330	10.0	9.6	64	6.4	.48	.33
JAN							
12...	1330	6.5	10.2	58	6.4	.45	.26
FEB							
08...	1045	4.5	11.6	63	6.1	--	--
10...	1345	7.0	10.2	70	6.8	.67	.42
MAR							
09...	1230	12.0	10.0	66	6.5	.55	.34
APR							
07...	1415	16.4	8.6	54	6.4	.57	.45
MAY							
02...	1700	21.0	6.7	74	6.3	--	--
05...	1330	21.5	7.7	70	6.9	.67	.25
JUN							
02...	1315	24.5	6.9	77	6.8	.70	.24
JUL							
11...	1515	26.5	6.5	79	6.8	--	--
13...	1200	27.5	6.7	69	6.9	.64	.22
AUG							
09...	0830	26.0	7.2	87	6.9	--	--
10...	1305	28.0	6.4	83	6.8	.75	.33
SEP							
14...	1230	26.0	6.9	71	6.8	.47	.09

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)
OCT						
06...	.34	1.7	.07	0	118	31
NOV						
02...	.31	--	.07	--	--	--
04...	.30	2.6	.06	1600	837	53
DEC						
02...	.15	2.1	.07	37	200	233
JAN						
12...	.19	2.0	.03	73	150	33
FEB						
08...	.22	--	.05	--	--	--
10...	.25	3.0	.09	--	818	828
MAR						
09...	.21	2.4	.09	640	790	97
APR						
07...	.12	2.5	.06	0	73	55
MAY						
02...	.37	--	.11	--	--	--
05...	.42	3.0	.11	300	818	48
JUN						
02...	.46	3.1	.10	950	42	88
JUL						
11...	.38	--	.08	--	--	--
13...	.42	2.8	.09	--	66	50
AUG						
09...	.38	--	.10	--	--	--
10...	.42	3.3	.09	--	107	830
SEP						
14...	.38	2.1	.12	--	840	72

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV											
02...	0935	17	--	--	--	--	--	--	--	--	6.0
DEC											
02...	1330	18	0	0	0	22	2	0	1	3.3	--
FEB											
08...	1045	17	--	--	--	--	--	--	--	--	4.0
MAR											
09...	1230	21	0	0	0	25	1	1	2	5.0	5.0
MAY											
02...	1700	17	--	--	--	--	--	--	--	--	3.0
JUN											
02...	1315	21	2	0	2	25	0	0	0	4.6	4.8
JUL											
11...	1515	--	--	--	--	--	--	--	--	--	2.0
AUG											
09...	0830	--	--	--	--	--	--	--	--	--	5.0
SEP											
14...	1230	22	0	0	0	27	0	0	0	4.3	6.1

DATE	CARBON DIOXIDE (CO2) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	SUS- PENDE D COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)
NOV											
02...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	14	0	4.1	0	<10	<10	0	0	0	2	1
FEB											
08...	--	--	--	--	--	--	--	--	--	--	--
MAR											
09...	13	0	5.7	10	30	40	0	0	0	4	0
MAY											
02...	--	--	--	--	--	--	--	--	--	--	--
JUN											
02...	6.3	0	6.2	8	12	20	0	0	0	0	2
JUL											
11...	--	--	--	--	--	--	--	--	--	--	--
AUG											
09...	--	--	--	--	--	--	--	--	--	--	--
SEP											
14...	6.8	--	5.0	4	<6	<10	0	0	0	0	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)
NOV											
02...	--	--	14	--	--	--	--	--	--	--	--
DEC											
02...	3	.1	14	0	1800	110	11	4	15	1.3	90
FEB											
08...	--	--	15	--	--	--	--	--	--	--	--
MAR											
09...	0	.0	18	0	1300	200	9	2	11	1.3	20
MAY											
02...	--	--	14	--	--	--	--	--	--	--	--
JUN											
02...	2	.1	14	0	1300	110	13	1	14	1.1	60
JUL											
11...	--	--	--	--	--	--	--	--	--	--	--
AUG											
09...	--	--	--	--	840	--	--	--	--	--	--
SEP											
14...	0	.1	16	0	1000	150	10	6	16	1.2	50

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	SODIUM AD- SORP- TION RATIO
NOV 02...	--	--	--	--	--	--	--	--	--	--	--
DEC 02...	110	20	.2	.0	.2	1.5	57	41	2400	.08	.6
FEB 08...	--	--	--	--	--	--	--	--	--	--	--
MAR 09...	30	10	.0	.0	.0	1.3	53	45	2090	.07	.7
MAY 02...	--	--	--	--	--	--	--	--	--	--	--
JUN 02...	70	10	.0	.0	.0	1.5	66	50	1520	.09	.9
JUL 11...	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	<50	--	--	--	--	--	--	--	--	--	--
SEP 14...	60	10	<.5	.0	<.5	2.1	44	51	898	.06	1.1

DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	DIS- SOLVED SULFATE (SO4) (MG/L)	TUR- BID- ITY (JTU)	DIS- SOLVED ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)
NOV 02...	--	--	--	--	--	--	--	10	--	--	--
DEC 02...	0	0	0	10	5.4	43	4.7	25	10	0	0
FEB 08...	--	--	--	--	--	--	--	13	--	--	--
MAR 09...	0	0	0	7.5	6.7	43	5.4	15	10	0	10
MAY 02...	--	--	--	--	--	--	--	23	--	--	--
JUN 02...	0	0	0	9.4	7.9	49	7.0	10	20	0	10
JUL 11...	--	--	--	--	--	--	--	14	--	--	--
AUG 09...	--	--	--	--	--	--	--	14	--	--	--
SEP 14...	0	0	0	9.9	10	54	5.0	10	10	0	10

[illegible]

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ATRA- ZINE (UG/L)	ATRA- ZINE IN BOTTOM MATERI- AL (UG/ KG DRY SOLIDS)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)
NOV 04...	1430	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 10...	1345	ND	--	ND	--	ND	--	ND	--	ND
MAY 05...	1330	ND	ND	ND	ND	ND	ND	ND	ND	ND
AUG 10...	1305	ND	--	ND	--	ND	--	ND	--	ND

DATE	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)
NOV 04...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 10...	--	ND	--	ND	--	ND	--	ND	--	ND
MAY 05...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AUG 10...	--	ND	--	ND	--	ND	--	ND	--	ND

DATE	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)
NOV 04...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 10...	--	ND	--	ND	--	ND	--	ND	--	ND
MAY 05...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AUG 10...	--	ND	--	ND	--	ND	--	ND	--	ND

DATE	METHOX- YCHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SIMA- ZINE (UG/L)	SIMA- ZINE IN BOTTOM MATERI- AL (UG/ KG DRY SOLIDS)	TOTAL TOX- APHENE (UG/L)
NOV 04...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 10...	--	ND	--	ND	--	ND	--	ND	--	ND
MAY 05...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AUG 10...	--	ND	--	ND	--	ND	--	ND	--	ND

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)
NOV 04...	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 10...	--	ND	--	--	--	--	--	--	--
MAY 05...	ND	ND	ND	ND	ND	ND	ND	ND	ND
AUG 10...	--	ND	--	ND	--	ND	--	ND	--

SAVANNAH RIVER BASIN

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02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT					
06...	1225	9280	12	301'	100
NOV					
02...	0935	10100	--	--	--
04...	1430	9260	16	400	100
DEC					
02...	1330	15600	32	1350	100
18...	0945	--	23	--	100
JAN					
12...	1330	19200	7	363	100
FEB					
10...	1345	11800	1	57	100
MAR					
09...	1230	14600	15	591	100
APR					
07...	1415	23800	10	643	100
MAY					
05...	1330	11500	24	745	100
JUN					
02...	1315	8540	21	484	100
JUL					
13...	1200	7676	16	332	100
AUG					
10...	1305	8144	20	440	100
SEP					
14...	1230	7556	16	326	100

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1976 TO JULY 1977

(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	72	69	55	65	63	67	65	73	72		
2	79	70	62	54	67	63	73	61	73	70		
3	79	67	58	54	67	61	69	67	77	70		
4	79	67	58	55	65	60	61	72	76	68		
5	79	79	50	58	62	66	61	72	74	68		
6	90	79	58	57	70	70	66	65	74	71		
7	81	75	54	54	63	65	67	65	72	71		
8	87	75	54	56	63	65	53	65	75	75		
9	87	74	60	56	67	64	56	65	76	72		
10	87	75	61	61	69	73	54	76	66	69		
11	67	76	53	64	63	73	54	72	75	69		
12	67	73	53	65	62	73	51	75	70	69		
13	60	76	54	---	62	75	51	80	74	70		
14	61	74	53	---	63	79	51	69	110	---		
15	63	72	54	---	66	74	54	72	70	---		
16	61	74	54	---	69	71	53	70	74	---		
17	61	72	54	---	69	59	53	70	80	---		
18	62	71	54	---	60	63	53	91	78	---		
19	60	69	50	---	66	65	57	70	74	---		
20	70	74	40	60	66	65	55	73	74	---		
21	69	61	53	58	68	65	59	70	70	---		
22	67	74	51	60	64	69	67	70	75	---		
23	71	75	66	58	64	75	61	66	70	---		
24	75	70	52	58	64	66	59	69	75	---		
25	74	70	60	58	64	61	60	74	77	---		
26	75	65	55	62	62	64	62	71	70	---		
27	78	57	53	62	63	59	62	74	66	---		
28	71	59	53	62	63	61	63	70	70	---		
29	67	64	53	62	---	61	66	70	70	---		
30	69	61	54	63	---	61	67	85	74	---		
31	72	---	54	63	---	65	---	71	---	---		
MAX	90	79	69	65	70	79	73	91	110	75		
MIN	60	57	40	54	60	59	51	61	66	68		
WTR YR 1977	MAX	110		MIN	49							

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1976 TO JULY 1977

(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.0	16.0	10.0	7.0	4.0	9.0	17.0	18.0	23.0	25.0		
2	21.0	16.0	10.0	7.0	5.0	10.0	18.0	19.0	23.0	25.0		
3	22.0	14.0	10.0	8.0	6.0	10.0	18.0	19.0	23.0	26.0		
4	21.0	15.0	9.0	7.0	6.0	14.0	18.0	19.0	25.0	25.0		
5	20.0	14.0	9.0	9.0	6.0	12.0	17.0	20.0	24.0	25.0		
6	20.0	13.0	9.0	8.0	5.0	12.0	15.0	21.0	24.0	25.0		
7	21.0	13.0	10.0	9.0	5.0	12.0	14.0	21.0	23.0	26.0		
8	21.0	13.0	9.0	7.0	5.0	11.0	15.0	21.0	22.0	26.0		
9	22.0	12.0	8.0	8.0	5.0	11.0	15.0	21.0	23.0	27.0		
10	21.0	13.0	9.0	10.0	5.0	12.0	15.0	19.0	21.0	26.0		
11	21.0	14.0	10.0	6.0	6.0	13.0	15.0	19.0	22.0	26.0		
12	20.0	15.0	10.0	6.0	6.0	14.0	16.0	19.0	23.0	26.0		
13	19.0	13.0	11.0	---	8.0	15.0	16.0	20.0	24.0	27.0		
14	20.0	13.0	9.0	---	7.0	14.0	15.0	20.0	24.0	---		
15	20.0	13.0	11.0	---	8.0	14.0	16.0	20.0	24.0	---		
16	20.0	13.0	11.0	---	7.0	16.0	17.0	20.0	25.0	---		
17	19.0	13.0	9.0	---	7.0	15.0	18.0	21.0	24.0	---		
18	16.0	11.0	10.0	---	7.0	15.0	18.0	21.0	25.0	---		
19	17.0	11.0	10.0	---	10.0	17.0	19.0	21.0	25.0	---		
20	19.0	12.0	10.0	5.0	10.0	13.0	19.0	23.0	25.0	---		
21	15.0	12.0	8.0	5.0	7.0	17.0	19.0	23.0	25.0	---		
22	15.0	10.0	6.0	4.0	7.0	16.0	19.0	22.0	25.0	---		
23	15.0	9.0	8.0	4.0	8.0	12.0	19.0	22.0	25.0	---		
24	16.0	10.0	7.0	4.0	11.0	12.0	19.0	22.0	25.0	---		
25	18.0	10.0	7.0	5.0	10.0	13.0	19.0	22.0	25.0	---		
26	18.0	11.0	8.0	4.0	11.0	14.0	17.0	22.0	25.0	---		
27	15.0	13.0	8.0	5.0	13.0	14.0	15.0	22.0	25.0	---		
28	14.0	13.0	9.0	7.0	10.0	15.0	15.0	22.0	25.0	---		
29	14.0	15.0	8.0	5.0	---	16.0	17.0	22.0	25.0	---		
30	14.0	10.0	6.0	4.0	---	17.0	18.0	22.0	25.0	---		
31	15.0	---	10.0	6.0	---	18.0	---	23.0	---	---		
MAX	22.0	16.0	11.0	10.0	13.0	18.0	19.0	23.0	25.0	27.0		
MIN	14.0	9.0	6.0	4.0	4.0	9.0	14.0	18.0	21.0	25.0		

PEE DEE RIVER BASIN

02130908 LAKE ROBINSON.--Lat 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.

SANTÉE 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) above mean sea level (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 (96.68 m) above mean sea level (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) above mean sea level (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 1976 TO SEPTEMBER 1977

Date	Elevation (feet)	Contents (million cubic feet)	Change in Contents (equiva- lent in CFS)	Elevation (feet)	Contents (million cubic feet)	Change in Contents (equiva- lent in CFS)	Elevation (feet)	Contents (million cubic feet)	Change in Contents (equiva- lent in CFS)	Elevation (feet)	Contents (million cubic feet)	Change in Contents (equiva- lent in CFS)
	Lake Robinson			Lake Wylie			Fishing Creek Reservoir			Wateree Reservoir		
Sept. 30, 1976....	221.0	1,349	-	96.2	8,437	-	95.5	1,024	-	97.3	6,068	-
Oct. 31	221.2	1,369	+7.5	96.7	8,683	+ 92	95.2	987	- 14	96.2	5,466	- 225
Nov. 30	221.3	1,379	+3.9	98.9	9,802	+432	97.0	1,214	+ 88	98.0	6,461	+ 384
Dec. 31, 1976....	221.5	1,400	+7.8	96.2	8,437	-510	95.5	1,024	- 71	96.4	5,574	- 331
CAL YR 1976	-	-	+1.3	-	-	- 27	-	-	+0.8	-	-	- 21
Jan. 31, 1977....	221.3	1,379	-7.8	96.6	8,634	+ 74	96.9	1,201	+ 66	96.3	5,520	- 20
Feb. 28	221.2	1,369	-4.1	96.6	8,634	0	96.2	1,111	- 37	97.2	6,012	+ 203
Mar. 31	221.6	1,410	+15.3	100.0	10,388	+655	99.8	1,601	+183	102.6	9,300	+1,228
Apr. 30	220.9	1,339	-27.4	96.0	8,343	-789	96.7	1,175	-164	96.2	5,466	-1,479
May 31	221.2	1,369	+11.2	97.5	9,082	+276	96.7	1,175	0	97.2	6,012	+ 204
June 30	220.8	1,329	-15.4	96.5	8,585	-192	96.0	1,086	- 34	97.2	6,012	0
July 31	220.6	1,310	- 7.1	96.2	8,437	- 55	96.4	1,137	+ 19	95.8	5,252	- 284
Aug. 31	220.6	1,310	0	96.0	8,343	- 35	95.3	999	- 52	95.9	5,306	+ 20
Sept. 30, 1977....	220.7	1,320	+ 3.9	96.4	8,536	+ 74	97.5	1,280	+108	97.5	6,179	+ 337
WTR YR 1977	-	-	- 0.9	-	-	+ 3	-	-	+8.1	-	-	+ 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 1977, in South Atlantic Slope basins

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Probable date	Annual maximum Gage height (feet)	Discharge (cfs)
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, S.C.	4.10	1975-77	10-8-76	6.04	193
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, S.C.	3.45	1975-77	8-18-77	3.97	(+)
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, S.C.	6.22	1975-77	8-18-77	4.93	74
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	1968-77	8-18-77	5.83	382
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, S.C.	52.0	1968-77	3-22-77	12.31	(+)
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 Lynch River, and 3.2 miles east of Kershaw, S.C.	3.98	1975-77	3-22-77	3.96	60
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; 1972-77	3-22-77	16.11	9,280
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	1974-77	3-22-77	6.35	380
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	1974-77	3-22-77	(a)	(+)
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; 1972-77	1-10-77	9.82	2,460
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	1974-77	3-22-77	4.61	18
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, S.C.	17.0	1974-77	3-22-77	(a)	(+)
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	1975-77	3-31-77	6.17	1,110

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS

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Annual maximum discharge at crest-stage partial-record stations during water year 1975, in South Atlantic Slope basins

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Probable date	Annual maximum Gage height (feet)	Dis- charge (cfs)
Santee River basin.--Continued							
02153500	Broad River at Gaffney, S.C.	Lat 35°05'02", long 81°34'20", Cherokee County, on right bank at downstream side of bridge on U.S. Highway 29, 0.3 mile 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† 1972-77	10-10-76	17.24	84,900
02153750	Buck Horn Creek near York, S.C.	Lat 35°02'09", long 81°18'44", York County, on up- stream side of culvert on State Highway 5, 4.5 miles upstream from Bullocks Creek, and 4.0 miles northwest of York, S.C.	5.23	1975-77	10-9-76	5.38	(+)
02156000	Pacolet River near Clifton, S.C.	Lat 34°58'10", long 81°48'05", Spartanburg County, on left bank 1.0 mile (revised) down- stream from dam at Clifton Mill, 1.3 miles southeast of Clifton, 2.7 miles upstream from Lawsons Fork Creek, 2.7 miles northeast of Glendale, and at mile 28.2.	320	1939-71† 1972-77	10-9-76	21.70	27,700
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, S.C.	74.7	1966-70† 1970-77	3-30-77	13.94	3,280
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, S.C.	68.3	1937-68† 1970-77	10-9-76	11.80	3,490
02158000	North Tyger River near Moore, S.C.	Lat 34°48'10", long 81°57'57", Spartanburg County, on right bank at Ott Shoals, 2.6 miles south- east of Moore, S.C.	162	1933-68† 1970-77	10-9-76	6.14	8,600
02158500	South Tyger River near Reidville, S.C.	Lat 34°52'35", long 82°05'10", Spartanburg County, on left bank 0.4 mile upstream from bridge on State Highway 296, 1.8 miles northeast of Reidville, S.C.	106	1934-68† 1970-77	10-9-76	11.32	4,740
02159000	South Tyger River near Woodruff, S.C.	Lat 34°45'21", long 81°56'19", Spartanburg County, on left bank at Chesnee Shoals, 0.5 mile up- stream from confluence with North Tyger River, 5.75 miles east of Woodruff, and at mile 0.5.	174	1933-71† 1972-77	10-9-76	8.62	7,730
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	1966-77	10-9-76	13.61	4,000
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† 1972-77	10-9-76	9.43	11,700
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	1974-77	3-30-77	5.02	220
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, 4.0 miles southeast of Enoree, and at mile 47.7.	307	1929-76† 1977	10-9-76	7.09	13,700
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, S.C.	1.87	1975-77	10-9-76	4.22	104
02163000	Saluda River near Pelzer, S.C.	Lat 34°40'05", long 82°27'55", Anderson County, on right bank 0.4 mile downstream from Hurri- cane Creek, 1.9 miles north of Pelzer, and at mile 114.2.	405	1929-71† 1972-77	3-30-77	7.80	8,860

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS

Annual maximum discharge at crest-stage partial-record stations during water year 1975, in South Atlantic Slope basins

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Probable date	Gage height (feet)	Dis- charge (cfs)
Santee River basin.--Continued							
02164000	Reedy River near Greenville, S.C.	Lat 34°48'00", long 82°21'55", Greenville County on right bank 375 ft downstream from bridge on Interstate Highway 85, 0.5 mile upstream from Brushy Creek, 2.5 miles upstream from dam at Conestee, 3.9 miles southeast of city hall in Greenville, and at mile 48.5.	48.6	1941-71† 1972-77	10-9-76	10.90	4,450
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 of Laurens, S.C.	1.21	1975-77	--	(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, S.C.	0.62	1974-77	10-9-76	4.01	56
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	1974-77	3-14-77	4.97	54
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	1974-77	--	(a)	(+)
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 high- way 6, 1.4 miles upstream from Lake Marion and 2.0 miles northeast of Vance, S.C.	2.12	1975-77	(b)	3.20	(+)
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† 1967-77	12-19-76	8.53	2,120
02173000	South Fork Edisto River near Denmark, S.C.	Lat 33°23'35", long 81°08'00", Orangeburg County, on left bank at downstream side of bridge on U.S. Highway 321, 360 ft downstream from Sea- board Coast Line Railroad bridge, 1.8 miles downstream from Little River, 4.8 miles north of Denmark, and at mile 136.6.	720	1931-71† 1972-77	12-19-76	7.84	2,940
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, S.C.	2.22	1975-77	6-20-77	3.13	(+)
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 down- stream from Long Branch, and 3.0 miles north of Barnwell, S.C.	22.8	1975-77	10-20-76	4.99	195
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, S.C.	3.02	1975-77	6-20-77	6.53	324
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, S.C.	7.67	1975-77	3- 8-77	4.68	93

See footnotes at end of table

DISCHARGE AT PARTIAL-RECORD STATIONS

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Annual maximum discharge at crest-stage partial-record stations during water year 1975, in South Atlantic Slope basins

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Probable date	Annual maximum Gage height (feet)	Dis-charge (cfs)
Savannah River basin							
02184100	Cleveland Creek 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	1974-77	3-30-77	6.06	385
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, S.C.	1.08	1975-77	--	(a)	(+)
02187900	Broadway Creek near Anderson, S.C.	Lat 34°30'09", long 82°35'00", Anderson County, at bridge on State Highway 48, 0.1 mile downstream from Cupboard Creek and 3.8 miles east of Anderson, S.C.	26.4	1975-77	3-30-77	11.80	(+)
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, S.C.	267	1950-66† 1970-77	10-9-76	7.50	4,800
02192450	Camp Creek near 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, S.C.	1.59	1975-77	--	(a)	(+)
02192500	Little River near Mount Carmel, S.C.	Lat 34°04'13", long 82°30'02", McCormick County, on right bank, 480 ft downstream from Island Ford bridge, and 4.5 miles north of Mount Carmel, S.C.	217	1939-70‡	10-9-76	13.01	2,960
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, S.C.	1.18	1975-77	3-20-77	6.27	325
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, S.C.	7.51	1975-77	3-20-77	10.98	(+)

+ Discharge not determined

‡ Operated as a continuous-record gaging station

* Discharge measurements

a Stage not determined

b Maximum stage October 4 to November 15, 1976

GROUND WATER RECORDS

AIKEN COUNTY

331940081443501. Local number, 4-m.

LOCATION.--Lat 33°19'40", long 81°44'35", Hydrologic Unit 03060106, at Savannah River Plant.

Owner: U.S. Atomic Energy Commission.

AQUIFER.--Sands of the Tuscaloosa Formation.

WELL CHARACTERISTICS.--Drilled unused industrial artesian well, diameter 18 in (46.2 cm) from surface to 318 ft (97 m), 8 in (20.5 cm) from 279 ft (85 m) to 605 ft (184.4 m), depth 605 ft (184.4 m), cased to 605 ft (184.4 m), screened 390-400 ft (119-122 m), 455-465 ft (139-142 m), 590-600 ft (180-183 m).

DATUM.--Land-surface datum is 357 ft (109 m) above mean sea level. Measuring point: Top of casing at land-surface datum.

REMARKS.--Formerly listed AK 2 or LA 4 before 1974.

PERIOD OF RECORD.--1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 144.82 ft (44.15 m) below land-surface datum, Feb. 23, 1966; lowest, 153.99 ft (46.94 m) below land-surface datum, Sept. 16, 18, 19, 24, 26, 1970.

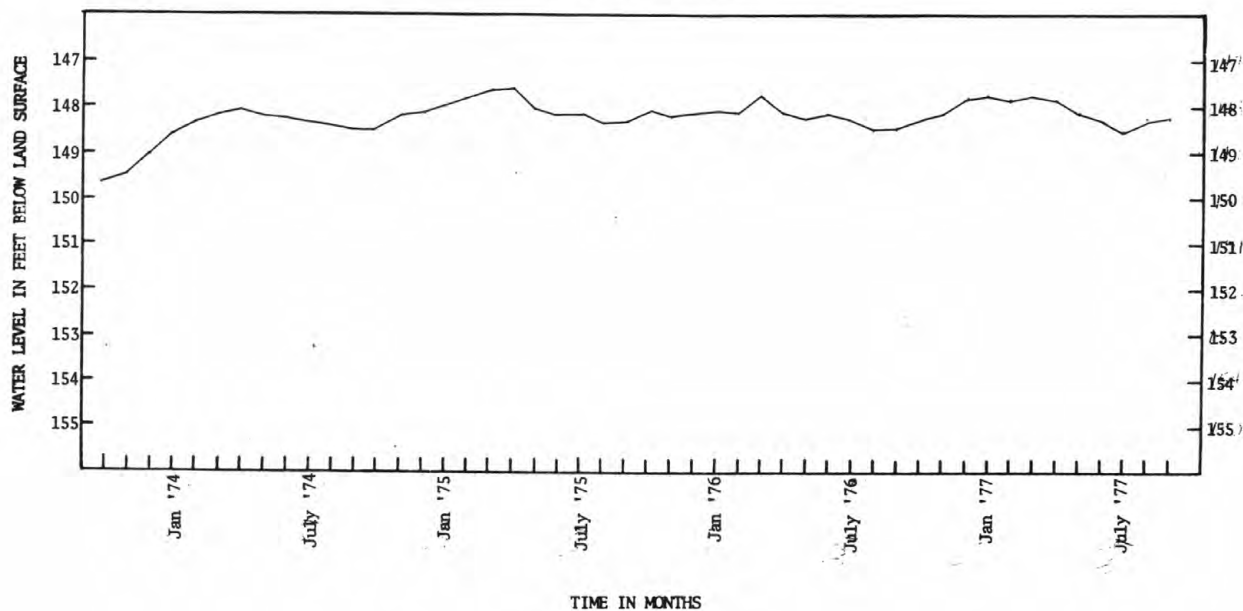
WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148.40	147.99	148.12	147.74	147.86	147.85	147.80	147.84	148.21	148.66	148.22	148.39
2	148.35	148.10	148.10	147.74	147.98	147.94	147.77	147.92	148.13	148.60	148.26	148.44
3	148.28	148.11	148.14	147.63	148.02	147.97	147.59	148.08	148.07	148.45	148.25	148.41
4	148.23	148.05	148.20	147.70	147.88	147.86	147.44	148.14	148.12	148.35	148.29	148.29
5	148.31	148.08	148.09	147.81	147.76	147.81	147.44	148.02	148.22	148.27	148.33	148.20
6	148.35	148.15	147.96	147.89	147.77	147.76	147.73	148.11	148.34	148.30	148.33	148.19
7	148.36	148.02	147.74	147.79	147.83	147.64	147.89	148.20	148.29	148.51	148.27	148.20
8	148.33	147.97	147.81	147.85	147.92	147.79	147.75	148.21	148.15	148.75	148.20	148.21
9	148.22	148.03	148.10	147.76	147.95	147.95	147.67	148.21	148.18	148.74	148.21	148.27
10	148.22	148.07	148.23	147.56	147.99	147.96	147.67	148.16	148.26	148.65	148.26	148.31
11	148.20	148.16	148.00	147.82	148.00	147.93	147.83	148.12	148.43	148.52	148.30	148.20
12	148.25	148.34	147.79	147.99	147.96	147.91	147.83	148.11	---	148.55	148.31	148.12
13	148.25	148.48	147.72	147.99	147.72	147.68	147.86	148.08	---	148.58	148.29	148.13
14	148.18	148.29	147.89	147.86	147.65	147.56	147.83	148.05	---	148.56	148.25	148.13
15	148.22	148.02	147.84	147.70	147.73	147.63	147.89	148.06	---	148.53	148.25	148.21
16	148.21	148.17	147.76	147.60	147.85	147.69	148.01	148.03	---	148.51	148.24	148.28
17	148.04	148.23	147.75	147.64	147.94	147.76	148.08	147.98	---	148.41	148.24	148.26
18	148.08	148.16	147.80	147.68	147.98	147.73	148.08	148.01	---	148.35	148.21	148.10
19	148.16	148.11	147.73	147.74	147.91	147.68	147.91	148.05	---	148.39	148.21	147.96
20	148.04	148.03	147.54	147.86	147.76	147.63	147.69	148.07	---	148.42	148.22	148.02
21	148.10	147.92	147.60	147.94	147.74	147.65	147.65	148.11	---	148.44	148.18	148.14
22	148.20	147.99	147.82	147.99	147.78	147.57	147.87	148.22	---	148.41	148.14	148.26
23	148.22	148.17	147.76	147.91	147.84	147.70	148.00	148.05	---	148.42	148.17	148.31
24	148.08	148.17	147.67	147.74	147.74	147.83	148.06	148.00	---	148.37	148.22	148.31
25	147.88	148.12	147.58	147.67	147.80	147.86	148.05	148.15	---	148.30	148.26	148.21
26	147.83	148.01	147.31	147.73	147.88	147.90	148.05	148.21	---	148.31	148.28	148.03
27	148.04	147.88	147.33	147.70	147.78	147.81	148.05	148.16	---	148.36	148.34	148.04
28	148.24	147.75	147.39	147.66	147.71	147.68	148.02	147.95	---	148.46	148.31	148.08
29	148.34	147.70	147.51	147.76	---	147.69	148.02	148.06	---	148.45	148.29	148.17
30	148.25	147.98	147.78	147.81	---	147.77	147.95	148.15	148.52	148.35	148.31	---
31	148.00	---	147.78	147.79	---	147.78	---	148.21	---	148.25	148.34	---
MEAN	148.18	148.07	147.80	147.77	147.84	147.77	147.84	148.08	148.24	148.45	148.25	148.20
MAX	148.40	148.48	148.23	147.99	148.02	147.97	148.08	148.22	148.52	148.75	148.34	148.44
MIN	147.83	147.70	147.31	147.56	147.65	147.56	147.44	147.84	148.07	148.25	148.14	147.96

WTR YR 1977 MEAN 148.03 HIGH 147.31

LOW 148.75

MONTHLY MEAN HYDROGRAPH



GROUND-WATER LEVELS

AIKEN COUNTY

33120081440501. Local number, S 411.

LOCATION.--Lat 33°12'00", long 81°44'05", Hydrologic Unit 03060106.

Owner: U.S. Atomic Energy Commission.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused domestic artesian well, diameter 2 in (5.1 cm), depth 270 ft (82.3 m), cased to 265 ft (80.8 m).

DATUM.--Land-surface datum is 157.53 ft (48.02 m) above mean sea level. Measuring point: Top of casing, 17.82 ft (5.43 m) above land surface datum prior to 1974.

PERIOD OF RECORD.--1952-60, 1966, 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 165.29 ft (50.38 m) above mean sea level, Apr. 17, 1964; lowest measured, 159.75 ft (48.69 m) above mean sea level, Sept. 10, 1956.

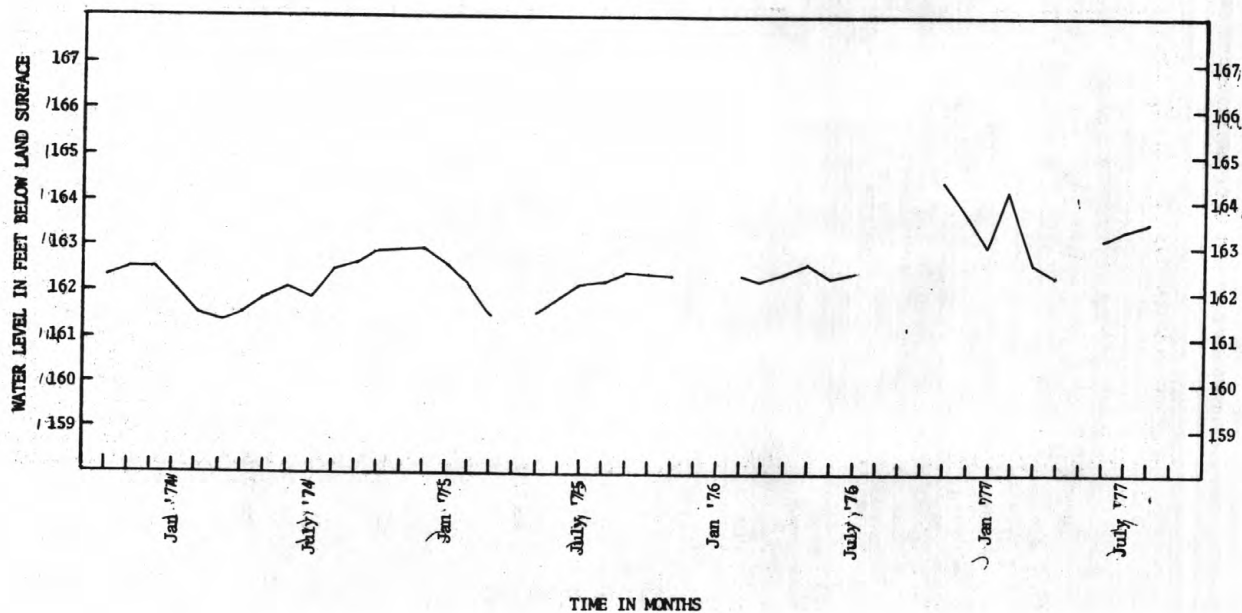
ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	164.37	---	163.15	162.96	162.25	---	162.99	163.27	163.62	163.84
2		---	164.20	---	163.19	163.02	162.33	---	162.97	163.25	163.63	163.83
3		---	164.19	---	163.17	163.00	162.43	---	162.99	163.22	163.57	163.82
4		---	164.21	---	163.07	162.86	162.51	---	163.07	163.28	163.56	163.80
5		---	164.21	---	163.03	162.93	162.60	---	163.07	163.28	163.56	163.71
6		---	164.17	---	163.17	162.87	162.38	---	163.01	163.25	163.56	163.72
7		---	164.01	163.44	163.23	162.84	162.35	---	162.95	163.23	163.56	163.72
8		---	164.11	163.51	163.28	162.89	162.46	---	163.01	163.25	163.56	163.62
9		---	164.18	163.50	163.28	162.87	162.53	---	163.01	163.30	163.55	163.65
10		---	164.08	163.08	163.28	162.84	162.53	---	163.07	163.33	163.58	---
11		---	163.90	163.23	163.27	162.85	162.48	---	163.10	163.37	163.60	---
12	164.23	163.57	163.23	163.25	162.82	162.43	---	---	163.10	163.39	163.60	---
13	164.33	163.65	163.05	163.15	162.71	162.45	---	---	163.10	163.43	163.60	---
14	164.30	163.61	162.84	163.19	162.71	162.49	---	---	163.16	163.44	163.58	---
15	164.28	163.41	162.82	163.19	162.61	162.49	---	---	163.15	163.45	163.62	---
16	164.39	163.35	162.86	163.19	162.53	162.49	---	---	163.17	---	163.60	---
17	164.35	163.35	162.97	163.21	162.57	162.48	---	---	163.21	---	163.58	---
18	164.35	163.41	162.93	163.17	162.51	162.40	---	---	163.21	---	163.56	---
19	164.35	163.40	162.93	163.13	162.64	162.30	---	---	163.22	---	163.48	---
20	164.38	163.28	162.93	163.08	162.67	162.24	163.01	163.23	---	163.53	---	---
21	164.42	163.46	162.93	163.12	162.69	162.20	---	---	163.24	---	163.57	---
22	164.53	163.53	162.93	163.15	162.59	162.21	---	---	163.27	163.50	163.59	---
23	164.55	163.47	162.96	163.20	162.57	---	---	---	163.29	163.57	163.63	---
24	164.56	163.50	162.99	162.97	162.50	---	---	---	163.30	163.60	163.69	---
25	164.57	163.42	162.97	163.03	162.44	---	---	---	163.29	163.60	163.80	---
26	164.57	163.33	163.02	163.01	---	---	---	---	163.28	163.57	163.78	---
27	164.58	163.39	163.00	162.96	---	---	---	162.96	163.27	163.63	163.83	---
28	164.50	163.35	162.95	162.96	---	---	---	162.97	163.29	163.69	163.87	---
29	164.52	163.37	163.02	---	---	---	---	162.99	163.28	163.69	163.87	---
30	164.54	163.47	163.10	---	---	---	---	163.02	163.27	163.64	163.83	---
31	---	---	163.11	---	---	---	---	163.03	---	163.63	163.83	---
MEAN		164.43	163.70	163.05	164.21	162.73	162.41	162.99	163.15	163.43	163.63	163.74
MAX		164.58	164.37	163.51	193.28	163.02	162.60	163.03	163.30	163.69	163.87	163.84
MIN		164.23	163.28	162.82	162.96	162.44	162.20	162.96	162.95	163.22	163.48	163.62

WTR YR 1977 MEAN 163.42 LOW 162.20

HIGH 193.28

MONTHLY MEAN HYDROGRAPH



BEAUFORT COUNTY

321551080491003. Local number, BFT 429.

LOCATION.--Lat 32°15'51", long 80°49'10", Hydrologic Unit 03050208, at Victoria Bluff on the Coast northwest of Hilton Head.

Owner: S.C. Wildlife and Marine Resources Dept.

AQUIFER.--Ocala limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (15.38 cm), depth 300 ft (91.4 m), cased to 100 ft (30.5 m), open hole to 300 ft (91.4 m).

DATUM.--Land-surface datum is 22.0 ft (6.7 m) above mean sea level. Measuring point: Top of casing, 1.85 ft (0.56 m) above land-surface datum.

REMARKS.--

PERIOD OF RECORD.--1970 to current year.

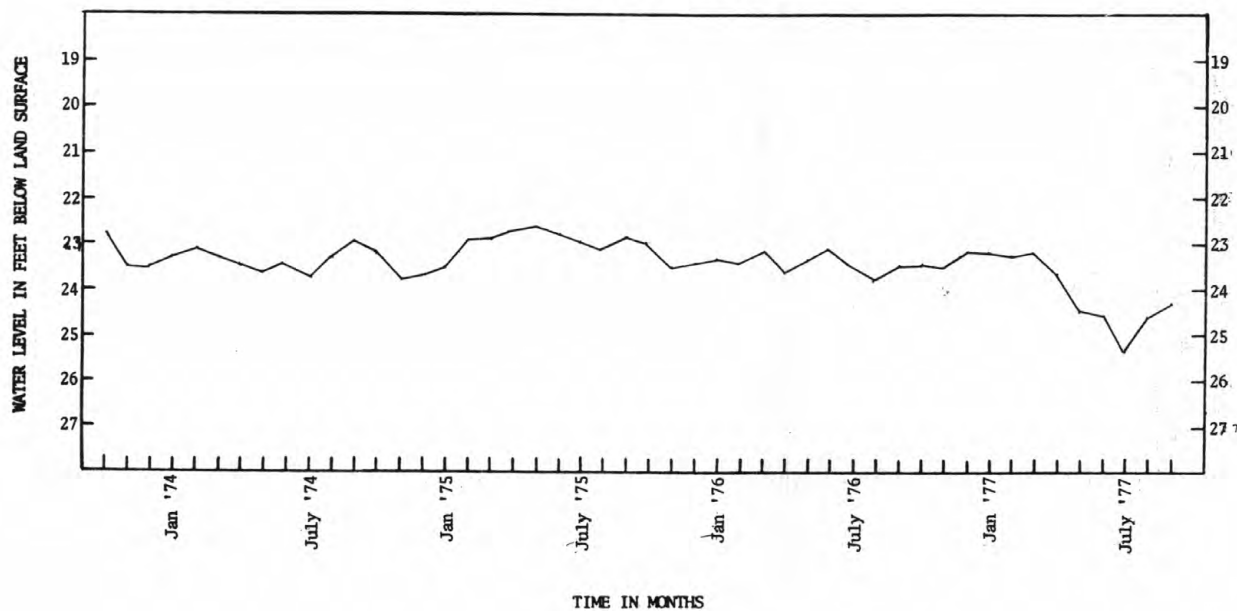
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.17 ft (6.45 m) below land-surface datum, Oct. 22 and Nov. 1, 1971; lowest, 25.97 ft (7.92 m) below land-surface datum, July 20, 1977.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.36	23.39	23.49	23.27	23.47	---	23.31	23.91	23.72	25.25	24.49	24.15
2	23.37	23.32	23.33	23.31	23.50	---	23.19	---	23.62	25.14	24.54	24.14
3	23.37	23.20	23.31	23.05	23.34	---	23.16	---	23.71	24.94	24.56	24.12
4	23.36	23.18	23.23	23.00	23.17	---	23.09	---	23.80	24.95	24.65	24.11
5	23.34	23.37	23.19	22.98	23.22	---	23.12	---	23.82	24.98	24.65	24.11
6	23.27	23.52	22.99	22.95	23.40	---	23.47	---	23.90	25.05	24.64	24.18
7	23.25	23.49	22.81	22.92	23.45	---	23.50	---	23.88	25.31	24.65	24.23
8	23.21	23.64	23.12	22.99	23.43	---	23.44	---	24.05	25.53	24.68	24.24
9	23.29	23.63	23.34	22.81	23.37	23.04	23.49	---	24.08	25.46	24.69	24.30
10	23.45	23.65	23.19	22.83	23.37	22.98	23.62	23.98	24.43	25.50	25.07	24.28
11	23.46	23.67	23.09	23.27	23.37	22.98	23.98	24.15	24.86	25.70	25.49	24.26
12	23.46	23.68	23.04	23.25	23.27	22.93	24.50	24.68	24.98	25.75	25.09	24.18
13	23.47	23.68	23.14	23.20	23.15	22.83	24.23	24.77	24.99	25.67	24.99	24.20
14	23.48	23.51	23.06	22.91	23.21	22.93	23.78	24.51	24.58	25.71	24.89	24.16
15	23.55	23.37	22.83	22.94	23.19	22.93	23.71	24.49	24.58	25.85	25.07	24.44
16	23.64	23.51	22.85	22.97	23.19	22.90	23.69	24.62	24.46	25.69	24.98	24.34
17	23.49	23.42	23.00	23.07	23.18	22.85	24.00	24.86	24.37	25.63	24.79	24.26
18	23.50	23.33	23.00	22.91	23.12	22.70	23.69	24.78	24.38	25.70	24.71	24.21
19	23.37	23.27	22.97	22.98	23.12	22.84	23.67	25.29	24.58	25.64	24.62	24.18
20	23.18	23.21	22.80	23.07	23.16	22.87	23.75	25.20	24.84	25.97	24.51	24.35
21	23.36	23.11	23.09	23.21	23.28	22.93	23.81	25.20	25.21	25.52	24.36	24.33
22	23.44	23.34	23.14	23.30	23.27	22.87	23.82	24.78	24.80	25.66	24.33	24.31
23	23.47	23.47	23.05	23.29	23.23	23.11	23.79	24.52	25.02	25.35	24.46	24.39
24	23.43	23.51	23.12	23.10	23.11	23.37	23.69	24.29	25.11	25.08	24.72	24.21
25	23.31	23.58	22.98	23.13	23.32	23.87	23.68	24.19	24.73	24.97	24.51	24.12
26	23.31	23.53	22.87	23.25	23.38	23.87	23.80	24.05	24.70	24.95	24.35	24.25
27	23.41	23.44	23.05	23.25	23.23	23.38	23.90	23.90	24.68	24.94	24.26	24.27
28	23.46	23.34	22.95	23.17	---	23.18	23.99	23.76	24.65	24.75	24.21	24.17
29	23.41	23.41	23.08	23.34	---	23.21	24.05	23.73	24.85	24.61	24.15	24.11
30	23.29	23.60	23.25	23.46	---	23.30	23.96	23.75	25.04	24.52	24.12	---
31	23.31	---	23.14	23.46	---	23.32	---	23.77	---	24.50	24.14	---
MEAN	23.38	23.44	23.08	23.11	23.27	23.09	23.69	24.39	24.48	25.29	24.62	24.22
MAX	23.64	23.68	23.49	23.46	23.50	23.87	24.50	25.29	25.21	25.97	25.49	24.44
MIN	23.18	23.11	22.80	22.81	23.11	22.70	23.09	23.73	23.62	24.50	24.12	24.11

WTR YR 1977 MEAN 23.85 HIGH 22.70 LOW 25.97

MONTHLY MEAN HYDROGRAPH



GROUND-WATER LEVELS

BEAUFORT COUNTY

321125080423000. Local number, BFT 444.

LOCATION.--Lat 32°11'25", long 80°42'30", Hydrologic Unit 03050208, southern part of Hilton Head Island.

Owner: Palmetto Dunes Development Corp.

AQUIFER.--Ocala Limestone.

WELL CHARACTERISTICS.--Drilled unused recreational artesian well, diameter 6 in (15.4 cm), depth 212 ft (64.6 m), cased to 146 ft (44.5 m), open hole to 212 ft (64.6 m).

DATUM.--Land-surface datum is 8 ft (2.4 m) above mean sea level. Measuring point: Top of casing, 0.95 ft (0.29 m) above land-surface datum.

REMARKS.--

PERIOD OF RECORD.--1973 to current year.

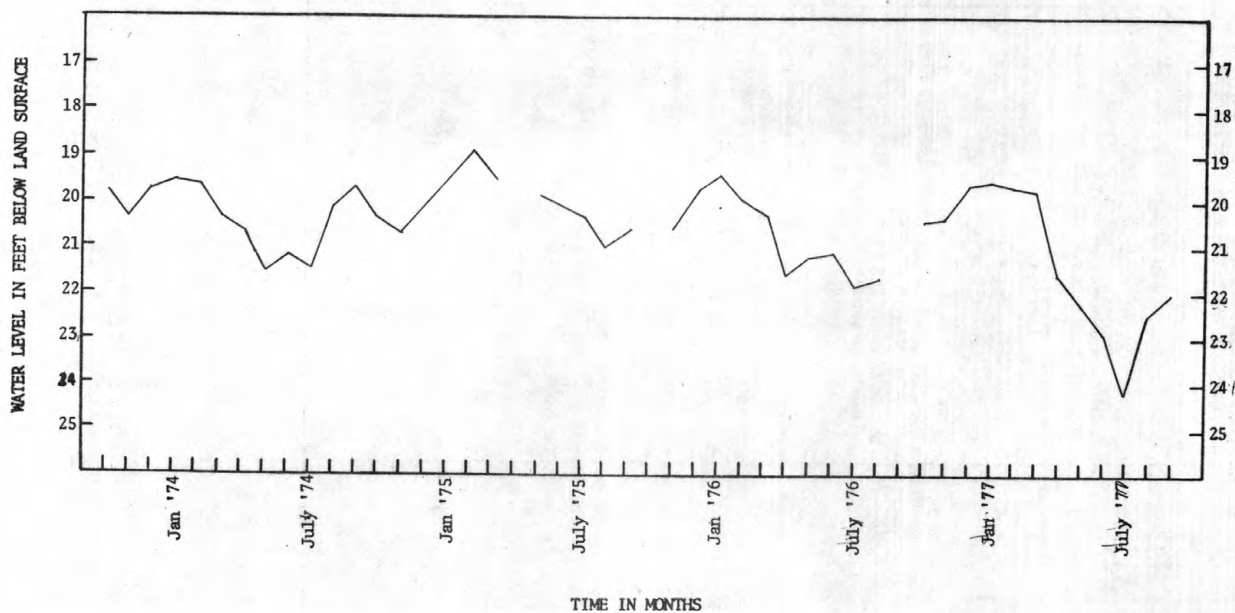
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.67 ft (5.08 m) below land-surface datum, Jan. 19, 1976; lowest, 25.16 ft (7.67 m) below land, surface datum, July 20, 1977.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.71	20.17	19.61	19.87	20.00	19.96	20.45	22.37	21.62	24.72	22.83	22.10
2	20.30	19.90	19.87	19.86	20.15	19.85	20.39	22.20	21.73	24.03	22.96	21.89
3	20.74	19.94	20.18	19.39	19.77	19.42	20.48	22.05	21.62	23.81	22.49	21.81
4	20.61	20.29	19.78	19.46	19.40	19.24	21.02	21.93	21.72	24.24	22.30	21.34
5	20.95	20.28	19.69	19.46	19.87	19.25	20.94	22.02	21.85	23.77	22.31	21.23
6	20.58	20.54	19.54	19.43	19.52	19.53	21.39	23.20	22.08	24.09	21.94	21.33
7	20.56	20.42	19.37	19.19	19.63	19.52	21.21	22.94	21.82	24.35	22.14	21.63
8	20.73	20.75	19.84	19.45	19.63	19.45	21.28	22.28	21.66	24.31	22.34	22.00
9	20.62	20.97	19.74	19.29	19.66	19.71	21.55	22.12	21.73	24.37	22.62	21.96
10	20.31	20.91	19.58	19.45	19.60	19.69	21.82	21.72	21.65	24.65	23.12	21.94
11	20.24	21.31	19.69	20.02	20.15	19.41	21.68	21.91	21.69	24.82	23.55	21.70
12	20.56	20.85	19.62	19.61	19.81	19.43	21.45	21.98	22.05	24.74	23.56	21.90
13	20.25	20.58	19.65	19.40	19.54	19.62	21.34	22.28	22.53	24.98	23.47	22.22
14	20.76	20.42	19.52	19.11	19.69	19.30	21.38	23.18	23.48	24.49	23.21	22.61
15	20.88	20.16	19.29	19.07	19.67	19.74	21.71	23.21	23.77	23.91	22.61	22.75
16	21.15	20.22	19.31	19.43	19.64	20.12	21.87	23.26	23.53	24.08	22.47	22.49
17	21.13	20.09	19.52	19.54	19.44	19.77	21.83	23.30	23.41	24.71	23.72	21.88
18	20.39	19.93	19.33	19.14	19.31	19.91	21.92	22.65	23.65	24.47	23.71	21.88
19	20.11	20.06	19.68	19.29	19.68	19.96	21.48	22.76	23.12	24.96	23.14	22.11
20	19.96	19.80	19.50	20.04	19.77	19.56	21.80	22.69	23.75	25.16	22.81	22.22
21	20.27	19.61	19.61	19.55	19.88	19.39	22.47	22.92	23.53	25.00	22.40	22.28
22	20.41	20.48	19.44	20.02	19.85	19.87	22.62	22.90	23.65	25.13	22.10	22.26
23	20.43	20.19	19.86	19.92	19.52	19.87	22.36	23.11	23.45	23.98	22.36	22.09
24	20.75	20.42	19.95	19.67	19.50	20.23	21.95	22.41	23.95	23.86	21.98	22.11
25	20.65	20.44	19.80	19.75	20.43	20.63	21.99	21.30	23.95	23.56	21.85	22.08
26	20.23	20.48	19.85	19.86	20.42	20.54	21.49	21.18	23.53	23.81	21.49	22.15
27	20.03	19.98	19.46	19.79	19.94	20.66	21.83	21.26	23.82	23.42	21.46	22.21
28	20.11	19.98	19.31	19.40	19.99	20.34	22.05	21.14	24.33	23.12	21.72	22.03
29	20.12	20.02	19.44	19.81	---	20.48	22.86	21.18	24.18	22.87	21.88	---
30	19.98	20.20	19.96	20.01	---	20.60	22.17	21.78	24.75	22.63	22.04	---
31	20.05	---	19.85	20.00	---	20.40	---	21.65	---	22.62	22.25	---
MEAN	20.47	20.31	19.64	19.58	19.76	19.85	21.62	22.28	22.92	24.15	22.54	22.00
MAX	21.15	21.31	20.18	20.04	20.43	20.66	22.86	23.30	24.75	25.16	23.72	22.75
MIN	19.96	19.61	19.29	19.07	19.31	19.24	20.39	21.14	21.62	22.62	21.46	21.23

WTR YR 1977 MEAN 21.26 HIGH 19.07 LOW 25.16

MONTHLY MEAN HYDROGRAPH



BEAUFORT COUNTY

321930080273400. Local number, BFT 449.

LOCATION.--Lat 32°19'30", long 80°27'34", Hydrologic Unit 03050208, on Fripp Island.

Owner: Fripp Island Development Corp.

AQUIFER.--Upper Eocene limestone.

WELL CHARACTERISTICS.--Drilled unused test and observation artesian well, diameter 12 in (30.73 cm), depth 150 ft (45.73 m), cased to 96 ft (29.26 m), open hole to 150 ft (45.73 m).

DATUM.--Land-surface datum is 12 ft (3.6 m) above mean sea level. Measuring point: Top of casing; 1.0 ft (0.30 m) above land-surface datum.

REMARKS.--

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

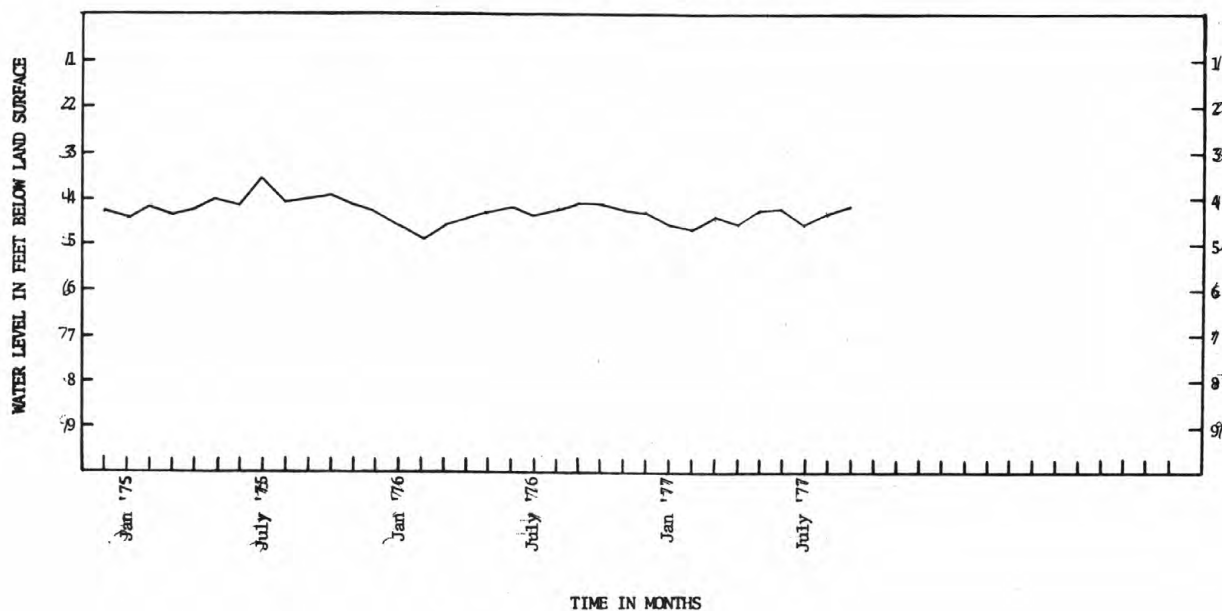
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.03 ft (0.92 m) below land-surface datum, July 28, 1975; lowest, 5.07 ft (1.54 m) below land-surface datum, Feb. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.16	4.17	4.33	4.62	5.00	4.68	4.50	4.40	3.96	4.62	4.34	4.16
2	4.12	3.97	4.22	4.62	4.98	4.65	4.33	4.46	4.02	4.66	4.41	4.10
3	4.06	3.90	4.20	4.34	4.82	4.45	4.42	4.49	4.13	4.60	4.43	4.12
4	3.98	3.96	4.11	4.30	4.73	4.33	4.42	4.54	4.15	4.53	4.40	4.13
5	3.96	4.29	4.08	4.40	4.89	4.49	4.54	4.53	4.22	4.50	4.44	4.13
6	3.78	4.41	3.86	4.37	4.93	4.45	4.92	4.54	4.25	4.56	4.45	4.26
7	3.87	4.44	3.86	4.45	4.91	4.37	4.82	4.45	4.08	4.63	4.47	4.34
8	3.87	4.66	4.44	4.45	4.85	4.48	4.76	4.35	4.01	4.76	4.47	4.38
9	4.09	4.51	4.47	4.22	4.79	4.57	4.62	4.15	4.10	4.87	4.50	4.40
10	4.22	4.68	4.27	4.47	4.82	4.50	4.60	4.11	4.19	4.86	4.53	4.32
11	4.13	4.65	4.30	4.94	4.83	4.48	4.74	4.04	4.17	4.78	4.52	4.24
12	4.06	4.55	4.36	4.79	4.73	4.43	4.89	4.40	4.20	4.78	4.47	4.05
13	4.13	4.34	4.45	4.66	4.66	4.36	4.71	4.53	4.28	4.82	4.39	4.09
14	4.19	4.16	4.19	4.38	4.65	4.49	4.62	4.58	4.22	4.89	4.32	4.15
15	4.19	4.05	4.04	4.55	4.61	4.43	4.56	4.53	4.22	4.92	4.35	4.27
16	4.25	4.21	4.19	4.53	4.57	4.38	4.44	4.50	4.14	4.87	4.38	4.26
17	4.06	4.08	4.47	4.64	4.50	4.23	4.34	4.56	4.10	4.88	4.46	4.24
18	3.97	4.10	4.51	4.48	4.50	4.15	4.36	4.64	4.17	4.92	4.49	4.24
19	3.84	4.11	4.30	4.55	4.61	4.36	4.42	4.69	4.35	4.86	4.37	4.21
20	3.80	4.13	4.27	4.73	4.73	4.33	4.52	4.57	4.41	4.78	4.19	4.21
21	4.19	3.97	4.78	4.85	4.72	4.31	4.56	4.31	4.45	4.83	4.03	4.28
22	4.30	4.33	4.60	4.94	4.62	4.29	4.54	4.26	4.41	4.69	4.10	4.20
23	4.37	4.45	4.55	4.79	4.60	4.60	4.54	4.02	4.43	4.30	4.15	4.03
24	4.34	4.53	4.61	4.58	4.53	4.55	4.50	3.95	4.33	4.24	4.25	3.99
25	4.27	4.64	4.41	4.73	4.87	4.50	4.44	4.12	4.28	4.32	4.38	4.03
26	4.32	4.51	4.36	4.87	4.88	4.42	4.58	4.05	4.36	4.47	4.28	4.03
27	4.22	4.42	4.54	4.91	4.67	4.29	4.55	3.93	4.40	4.38	4.24	4.05
28	4.17	4.37	4.41	4.73	4.72	4.21	4.66	3.88	4.34	4.14	4.23	4.06
29	4.15	4.53	4.62	4.84	---	4.38	4.72	3.94	4.45	4.17	4.20	3.97
30	4.09	4.62	4.74	5.04	---	4.52	4.39	4.05	4.57	4.27	4.21	---
31	4.26	---	4.61	5.04	---	4.65	---	4.02	---	4.34	4.21	---
MEAN	4.11	4.32	4.35	4.63	4.74	4.43	4.56	4.30	4.24	4.62	4.34	4.17
MAX	4.37	4.68	4.78	5.04	5.00	4.68	4.92	4.69	4.57	4.92	4.53	4.40
MIN	3.78	3.90	3.86	4.22	4.50	4.15	4.33	3.88	3.96	4.14	4.03	3.97

WTR YR 1977 MEAN 4.40 HTGH 3.78 LOW 5.04

MONTHLY MEAN HYDROGRAPH



GROUND-WATER LEVELS

BEAUFORT COUNTY

322340080455500. Local number, BFT 453.

LOCATION.--Lat 32°23'40", long 80°45'55", Hydrologic Unit 03050208, on Paris Island.

Owner: S.C. Water Resources Commission.

AQUIFER.--Upper Eocene (?) limestone, Ocala aquifer.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (10.3 cm), depth 104 ft (31.7 m), cased to 63 ft (19.2 m), open hole to 104 ft (31.7 m).

DATUM.--Land-surface datum is 18 ft (5.5 m) above mean sea level. Measuring point: Top of casing 3.5 ft (1.06 m) above land-surface datum.

REMARKS.--

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

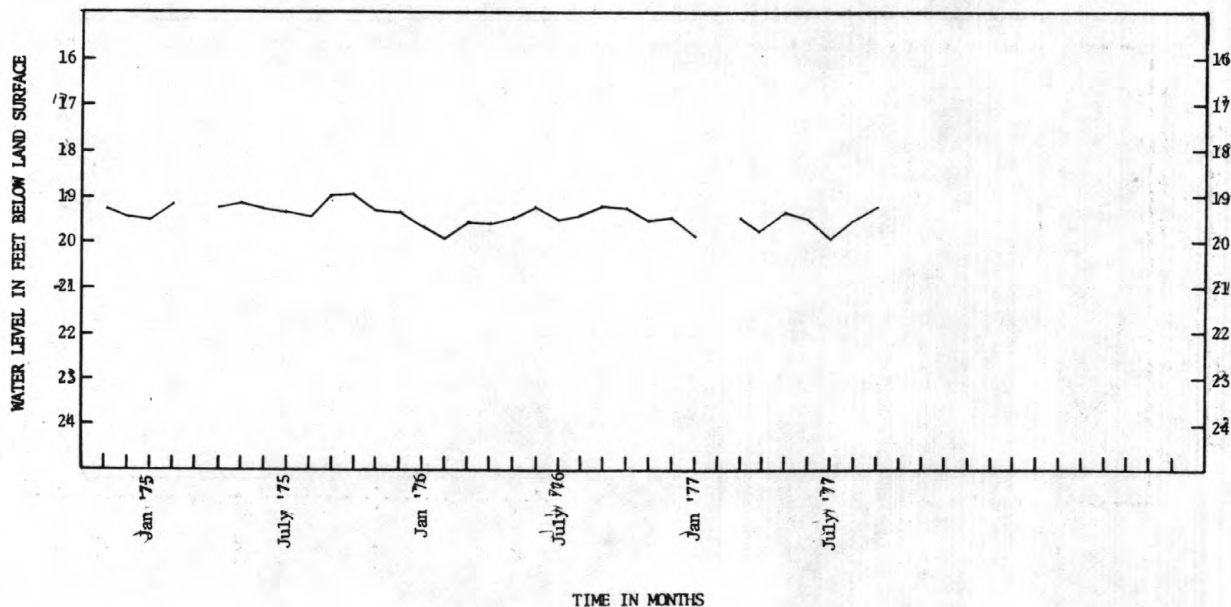
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.40 ft (5.61 m) below land-surface datum, Nov. 11, 1974; lowest, 20.53 ft (6.26 m) below land-surface datum, Jan. 30, 1977.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.35	19.34	19.44	19.85	20.37	---	19.60	19.47	19.00	20.02	19.57	19.25
2	19.25	19.02	19.36	19.80	20.26	---	19.34	19.57	19.10	20.11	19.69	19.17
3	19.16	18.94	19.27	19.42	20.01	---	19.47	19.62	19.28	19.97	19.70	19.19
4	19.05	19.05	19.14	19.38	19.89	---	19.44	19.71	19.30	19.87	19.66	19.30
5	19.01	19.55	19.10	19.49	20.19	---	19.72	19.72	19.40	19.86	19.66	19.44
6	18.90	19.68	18.77	19.41	20.16	---	20.26	19.78	19.50	19.94	19.71	19.55
7	18.90	19.73	18.86	19.66	20.10	---	20.00	19.67	19.29	20.03	19.72	19.59
8	18.92	20.14	19.81	19.58	19.83	19.36	19.95	19.56	19.11	20.20	19.72	19.63
9	19.38	19.82	19.65	19.19	---	19.58	19.74	19.34	19.28	20.35	19.77	19.67
10	19.50	20.11	19.30	19.66	---	19.50	19.64	19.27	19.46	20.33	19.79	19.52
11	19.36	20.02	19.38	20.35	---	19.46	19.72	19.14	19.43	20.15	19.78	19.41
12	19.25	19.86	19.57	20.05	---	19.38	19.98	---	19.52	20.11	19.75	19.12
13	19.36	19.52	19.64	19.76	---	19.34	19.85	---	19.64	20.15	19.57	19.14
14	19.46	19.26	19.19	19.40	---	19.55	19.75	---	19.49	20.23	19.58	19.24
15	19.43	19.14	19.05	19.73	---	19.44	19.68	---	19.52	20.28	19.61	19.41
16	19.52	19.36	19.27	19.69	---	19.39	19.54	---	19.39	20.21	19.62	19.39
17	19.33	19.16	19.64	19.87	---	19.14	19.41	19.88	19.35	20.24	19.72	19.35
18	19.13	19.21	19.68	19.68	---	19.06	19.45	20.07	19.45	20.26	19.79	19.34
19	18.90	19.21	19.32	19.92	---	19.39	19.56	20.19	19.74	20.23	19.69	19.34
20	18.85	19.27	19.30	20.15	---	19.37	19.72	20.04	19.82	20.24	19.39	19.30
21	19.43	19.06	20.21	20.26	---	19.29	19.75	19.65	19.88	20.32	19.14	19.41
22	19.52	19.60	19.78	20.35	---	19.40	19.74	19.56	19.78	20.15	19.27	19.31
23	19.56	19.70	19.70	20.05	---	19.81	19.72	19.19	19.81	19.52	19.28	19.06
24	19.54	19.80	19.77	19.74	---	19.67	19.73	19.08	19.60	19.43	19.44	19.04
25	19.48	19.97	19.47	20.07	---	19.57	19.67	19.29	19.53	19.56	19.61	19.12
26	19.63	19.77	19.56	20.20	---	19.48	19.89	19.19	19.64	19.78	19.43	19.09
27	19.43	19.69	19.77	20.28	---	19.27	19.77	18.99	19.69	19.70	19.35	19.16
28	19.33	19.63	19.56	19.97	---	19.13	19.88	18.91	19.62	19.29	19.29	19.21
29	19.26	19.90	19.95	20.21	---	19.38	20.02	19.00	19.79	19.32	19.27	19.03
30	19.16	20.03	20.01	20.53	---	19.61	19.44	19.15	19.93	19.46	19.30	---
31	19.50	---	19.85	20.46	---	19.83	---	19.10	---	19.57	19.30	---
MEAN	19.28	19.55	19.49	19.87	20.10	19.43	19.71	19.46	19.51	19.96	19.55	19.30
MAX	19.63	20.14	20.21	20.53	20.37	19.83	20.26	20.19	19.93	20.35	19.79	19.67
MIN	18.85	18.94	18.77	19.19	19.83	19.06	19.34	18.91	19.00	19.29	19.14	19.03

WTR YR 1977 MEAN 19.57 HIGH 18.77 LOW 20.53

MONTHLY MEAN HYDROGRAPH



BERKELEY COUNTY

331708079413800. Local number, BRK 53.

LOCATION.--Lat 33°17'08", long 79°41'38", Hydrologic Unit 03050112, at Jamestown.

Owner: Town of Jamestown.

AQUIFER.--Santee Limestone.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 6 in (15.38 cm), depth 32 ft (9.75 m), cased to 28 ft (8.5 m), open hole to 32 ft (9.75 m).

DATUM.--Land-surface datum is 32 ft (9.75 m) above mean sea level. Measuring point: Top of casing, 0.56 ft (0.17 m) above land-surface datum.

REMARKS.--Water levels effected by nearby pumping.

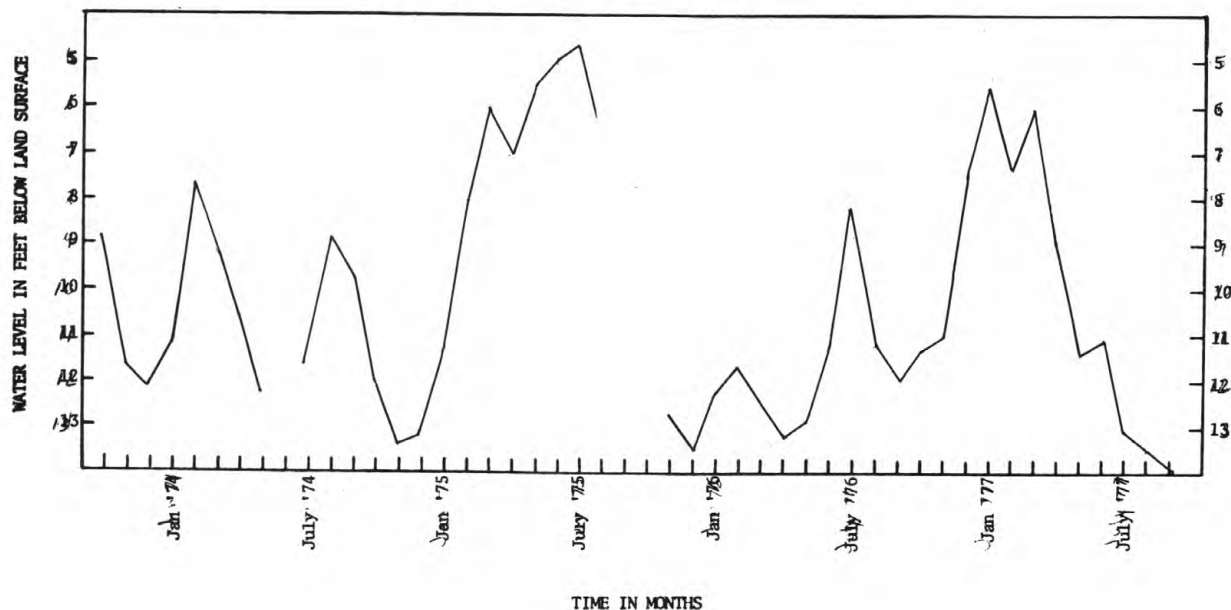
PERIOD OF RECORD.--1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 0.67 ft (0.20 m) below land-surface datum, Mar. 18, 1975; lowest, 14.25 ft (4.34 m) below land-surface datum, Sept. 30, 1977.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.13	10.09	10.07	6.40	6.05	8.27	6.88	10.61	10.33	12.35	---	13.58
2	12.19	10.26	9.90	6.60	6.26	8.41	7.04	10.68	10.30	12.42	---	13.62
3	12.27	10.20	10.06	6.37	6.19	8.40	7.19	10.74	10.33	12.52	13.52	13.66
4	12.36	10.29	10.11	5.74	6.05	8.15	7.26	10.78	10.43	12.61	13.46	13.68
5	12.41	10.46	10.16	5.50	6.16	7.19	7.48	10.90	10.42	12.67	13.44	13.71
6	12.46	10.67	10.11	5.46	6.63	6.58	7.93	10.99	10.38	12.72	13.44	13.73
7	12.51	10.58	9.65	5.18	6.80	5.67	8.13	11.07	10.34	12.78	13.46	13.75
8	12.54	10.76	9.14	5.21	6.91	5.15	8.08	11.15	10.37	12.85	13.49	13.77
9	12.33	10.85	9.09	5.09	6.97	4.92	8.34	11.36	10.36	12.90	13.52	13.80
10	12.19	10.83	8.86	5.04	7.07	4.78	8.48	11.46	10.59	12.98	13.57	13.84
11	12.15	10.96	8.72	5.52	7.14	4.81	8.60	11.53	10.68	13.33	13.61	13.87
12	12.15	11.12	7.63	5.60	7.12	4.83	8.68	11.54	10.77	13.44	13.65	13.91
13	12.12	11.30	6.71	5.71	7.06	4.73	8.70	11.59	10.99	13.50	13.67	13.93
14	12.13	11.24	6.35	5.42	7.34	4.90	8.74	11.71	11.16	13.57	13.60	13.95
15	12.23	11.19	5.85	5.17	7.46	5.08	8.90	11.86	11.19	13.56	13.49	13.99
16	12.29	11.42	5.63	5.17	7.64	5.21	9.08	11.88	10.97	13.60	13.36	14.02
17	12.20	11.41	5.72	5.35	7.86	5.48	9.25	11.93	10.88	13.57	13.32	14.04
18	11.99	11.33	5.95	5.25	7.88	5.47	9.48	11.98	10.88	---	13.32	14.05
19	11.83	11.34	6.05	5.41	7.88	5.76	9.67	12.01	10.92	---	13.24	14.05
20	11.06	11.34	5.98	5.58	7.93	5.99	9.86	12.09	11.03	---	13.21	14.07
21	9.77	11.43	6.34	5.79	8.23	6.32	9.96	12.16	11.16	---	13.20	14.09
22	9.55	11.66	6.66	6.01	8.37	5.96	9.95	12.23	11.31	---	13.21	14.12
23	9.53	11.73	6.61	6.16	8.41	5.74	9.79	12.28	11.78	---	13.26	14.13
24	9.48	11.70	6.86	6.07	8.16	5.68	9.70	12.22	11.85	---	13.30	14.16
25	9.38	11.73	6.89	5.92	8.13	5.74	9.84	11.71	11.95	---	13.35	14.18
26	9.47	11.74	6.35	5.93	8.12	5.91	10.09	11.32	12.02	---	13.39	14.21
27	9.74	11.55	6.12	5.89	8.04	6.08	10.18	11.03	12.09	---	13.40	14.22
28	9.88	10.99	5.90	5.74	8.18	6.17	10.25	10.58	12.17	---	13.43	14.22
29	9.89	10.22	5.95	5.87	---	6.29	10.44	10.29	12.25	---	13.45	14.24
30	9.80	10.16	6.20	5.94	---	6.51	10.55	10.27	12.30	---	13.48	14.25
31	9.78	---	6.08	5.95	---	6.63	---	10.30	---	---	13.53	---
MEAN	11.28	11.01	7.47	5.67	7.35	6.02	8.95	11.36	11.07	13.02	13.42	13.96
MAX	12.54	11.74	10.16	6.60	8.41	8.41	10.55	12.28	12.30	13.60	13.67	14.25
MIN	9.38	10.09	5.63	5.04	6.05	4.73	6.88	10.27	10.30	12.35	13.20	13.58
WTR YR 1977 MEAN	9.92			HIGH	4.73		LOW	14.25				

MONTHLY MEAN HYDROGRAPH



GROUND-WATER LEVELS

BERKELEY COUNTY

332455079555000. Local number, BRK 59.

LOCATION.--Lat 33°24'55", long 79°55'50", Hydrologic Unit 03050112, at Turner Lumber Co., St. Stephens.

Owner: Turner Lumber Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused industrial artesian well, diameter 6 in (15.38 cm) to 146 ft (44.5 m), 4 in (10.3 cm) from 146-560 ft (44.5-170.7 m), depth 560 ft (170.7 m), screened or slotted 356-390 ft (108.5-119 m).

DATUM.--Land-surface datum is 75 ft (22.8 m) above mean sea level. Measuring point: Top of casing, 0.07 ft (0.02 m) above land-surface datum.

PERIOD OF RECORD.--1973 to current year.

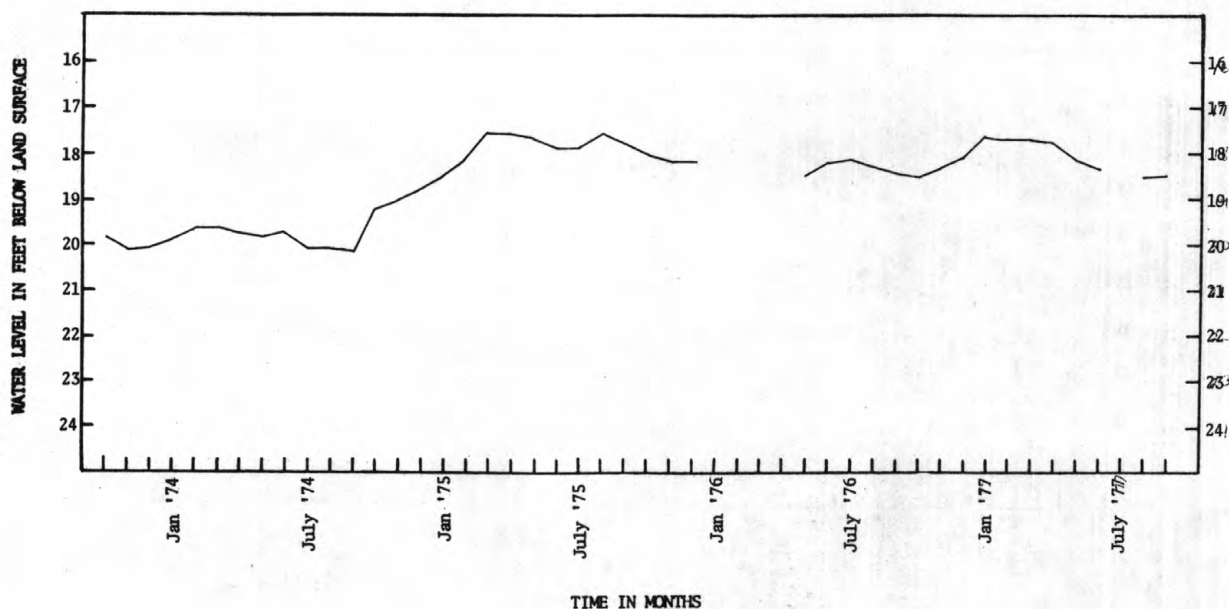
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 17.57 ft (5.36 m) below land-surface datum, Jan. 28, 1977; lowest, 20.40 ft (6.22 m) below land-surface datum, Dec. 7, 1973.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.56	18.38	18.35	17.79	17.67	17.80	17.75	17.98	18.29		---	18.49
2	18.58	18.40	18.31	17.83	17.71	17.83	17.75	17.98	18.24		18.56	18.50
3	18.61	18.36	18.33	17.75	17.68	17.83	17.73	17.99	18.29		18.52	18.50
4	18.64	18.35	18.34	17.72	17.62	17.76	17.64	17.98	18.34		18.48	18.44
5	18.65	18.37	18.34	17.72	17.62	17.73	17.61	17.98	18.33		18.51	18.37
6	18.65	18.41	18.30	17.74	17.71	17.73	17.70	17.99	18.28		18.52	18.37
7	18.66	18.37	18.18	17.65	17.75	17.68	17.75	18.00	18.24		18.53	18.39
8	18.65	18.38	18.20	17.71	17.76	17.76	17.73	18.00	18.30		18.53	18.39
9	18.43	18.39	18.33	17.69	17.75	17.78	17.78	17.99	18.31		18.53	18.40
10	18.50	18.36	18.32	17.64	17.76	17.76	17.81	18.05	18.36		18.55	18.42
11	18.54	18.37	18.27	17.76	17.73	17.76	17.82	18.09	18.36		18.57	18.43
12	18.56	18.38	18.05	17.72	17.72	17.74	17.82	18.12	18.37		18.57	18.46
13	18.54	18.42	18.00	17.76	17.66	17.68	17.80	18.11	18.40		18.54	18.45
14	18.49	18.40	18.12	17.65	17.70	17.70	17.79	18.11	18.42		18.52	18.45
15	18.44	18.34	17.98	17.62	17.71	17.71	17.80	18.13	18.38		18.47	18.49
16	18.43	18.38	17.92	17.64	17.73	17.70	17.81	18.19	18.33		18.45	18.50
17	18.40	18.37	17.93	17.67	17.77	17.72	17.83	18.20	18.35		18.45	18.49
18	18.43	18.33	17.95	17.62	17.77	17.67	17.84	18.20	18.36		18.45	18.48
19	18.44	18.32	17.94	17.63	17.75	17.71	17.86	18.20	18.34		18.45	18.47
20	18.36	18.31	17.86	17.65	17.73	17.72	17.88	18.21	18.35		18.46	18.47
21	18.38	18.31	17.88	17.67	17.79	17.74	17.91	18.24	18.34		18.46	18.49
22	18.42	18.36	17.92	17.70	17.81	17.60	17.91	18.26	18.37		18.45	18.51
23	18.45	18.40	17.88	17.71	17.81	17.68	17.88	18.27	18.39		18.47	18.53
24	18.42	18.39	17.91	17.65	17.70	17.69	17.80	18.23	---		18.47	18.53
25	18.36	18.40	17.88	17.60	17.72	17.72	17.79	18.22	---		18.48	18.53
26	18.32	18.37	17.73	17.63	17.76	17.74	17.83	18.21	---		18.49	18.52
27	18.39	18.32	17.78	17.61	17.74	17.76	17.89	18.22	---		18.48	18.52
28	18.43	18.25	17.74	17.57	17.77	17.73	17.90	18.22	---		18.49	18.53
29	18.42	18.23	17.72	17.63	---	17.74	17.92	18.25	---		18.48	18.56
30	18.38	18.32	17.78	17.66	---	17.74	17.96	18.29	---		18.45	18.58
31	18.34	---	17.73	17.66	---	17.72	---	18.30	---		18.47	---
MEAN	18.47	18.35	18.03	17.67	17.72	17.73	17.80	18.13	18.33		18.49	18.47
MAX	18.66	18.42	18.35	17.83	17.81	17.83	17.96	18.30	18.42		18.57	18.58
MIN	18.32	18.23	17.72	17.57	17.62	17.60	17.61	17.98	18.24		18.45	18.37

WTR YR 1977 MEAN 18.11 HIGH 17.57 LOW 18.66

MONTHLY MEAN 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 test and observation well, diameter 6 in (15.38 cm), depth 32 ft (9.75 m), cased to 21 ft (6.4 m), screened between 21-31 ft (6.4 - 9.4 m).

DATUM.--Land surface datum is 71.91 ft (21.92 m) above mean sea level. Measuring point: Top of platform, 74.61 ft (22.74 m) above mean sea level.

PERIOD OF RECORD.--Nov. 1972 to current year.

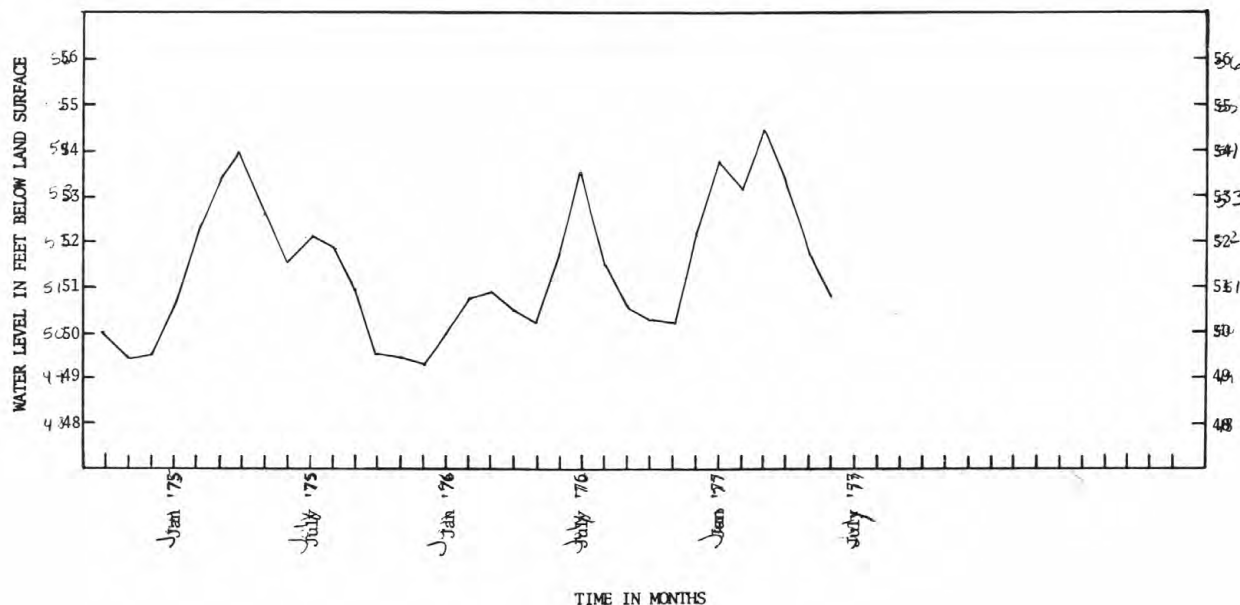
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 54.96 ft (16.75 m) above mean sea level, March 30, 1975; lowest, 49.36 ft (15.04 m) above mean sea level, Dec. 10, 1974.

ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50.31	50.43	50.33	53.47	53.48	---	54.39	52.36	51.12	---	---	50.37
2	50.27	50.42	50.43	53.46	53.41	---	54.37	52.35	51.09	49.69	---	50.35
3	50.23	50.46	50.43	53.63	53.56	---	54.29	52.30	51.02	49.82	---	50.33
4	50.19	50.45	50.42	53.71	53.61	---	54.27	52.27	50.99	50.00	---	50.35
5	50.18	50.39	50.51	53.80	53.46	---	54.15	52.24	51.01	50.23	---	50.43
6	50.18	50.35	50.57	53.84	53.24	---	53.86	52.16	51.02	---	50.35	50.50
7	50.15	50.40	50.65	53.98	53.24	---	53.80	52.11	50.94	---	50.43	50.54
8	50.14	50.32	50.61	53.96	53.25	53.81	53.85	52.07	50.89	---	50.46	50.58
9	50.21	50.33	50.61	54.14	53.28	54.06	53.64	52.00	50.90	---	50.47	50.57
10	50.25	50.34	50.74	54.15	53.25	54.32	53.59	51.90	50.82	---	50.45	50.57
11	50.29	50.29	50.84	53.92	53.25	54.41	53.54	51.84	50.82	---	50.43	50.56
12	50.32	50.25	51.30	53.99	53.29	54.51	53.50	51.82	50.80	---	50.42	50.52
13	50.37	50.22	52.00	54.00	53.30	54.62	53.49	51.80	50.73	---	50.42	50.54
14	50.37	50.26	52.36	54.23	53.13	54.49	53.42	51.76	50.70	---	50.42	50.51
15	50.33	50.28	52.74	54.12	53.11	54.46	53.33	51.66	50.72	---	50.44	50.45
16	50.31	50.20	53.00	54.03	53.03	54.44	53.23	51.59	50.76	---	50.52	50.44
17	50.31	50.23	53.12	53.91	52.96	54.34	53.16	51.59	50.77	---	50.56	50.43
18	50.27	50.24	53.14	54.05	53.01	54.46	53.08	51.57	50.77	---	50.56	50.41
19	50.31	50.24	53.25	53.92	53.02	54.21	53.02	51.51	50.75	---	50.55	50.38
20	50.39	50.23	53.40	53.87	52.89	54.15	52.92	51.46	50.71	---	50.55	50.34
21	50.37	50.19	53.20	53.78	52.82	54.05	52.86	51.42	50.68	---	50.55	50.29
22	50.37	50.12	53.19	53.69	---	54.41	52.84	51.38	50.65	---	50.53	50.24
23	50.39	50.11	53.30	53.67	---	54.47	52.84	51.37	50.62	---	50.49	50.21
24	50.45	50.12	53.17	53.80	---	54.60	52.88	51.38	---	---	50.46	50.20
25	50.51	50.11	53.27	53.75	---	54.65	52.77	51.38	---	---	50.42	50.17
26	50.48	50.12	53.43	53.64	---	54.66	52.63	51.36	---	---	50.41	50.14
27	50.43	50.14	53.42	53.65	---	54.66	52.54	51.32	---	---	50.41	50.12
28	50.42	50.21	53.56	53.68	---	54.73	52.54	51.29	---	---	50.40	50.08
29	50.46	50.25	53.51	53.50	---	54.66	52.46	51.24	---	---	50.41	50.04
30	50.51	50.26	53.47	53.51	---	54.58	52.39	51.16	---	---	50.43	50.02
31	50.51	---	53.63	53.52	---	54.54	---	51.13	---	---	50.40	---
MEAN	50.33	50.27	52.19	53.82	---	54.43	53.32	51.70	50.84	---	50.39	50.36
MAX	50.51	50.46	53.63	54.23	---	54.73	54.39	52.36	51.12	---	50.56	50.58
MIN	50.14	50.11	50.33	53.46	---	53.81	52.39	51.13	50.62	---	49.69	50.02

WTR YR 1977 MEAN 51.83 HIGH 54.73 LOW 49.69

MONTHLY MEAN HYDROGRAPH



GROUND-WATER LEVELS

BERKELEY COUNTY

332455079545500. Local number, BRK 63, Cooper River Rediversion No. 20.

LOCATION.--Lat 33°24'55", long 79°54'55", Hydrologic Unit 03050112, at St. Stephens.

Owner: U.S. Army Corp of Engineers.

AQUIFER.--Paleocene-Eocene limestone, Black Mingo Formation.

WELL CHARACTERISTICS.--Drilled test and observation artesian well, diameter 6 in (15.38 cm), depth 158 ft (48.17 m), cased to 133 ft (40.54 m), open hole to 158 ft (48.17 m).

DATUM.--Land-surface datum is 72.11 ft (21.98 m) above mean sea level. Measuring point: Top of platform, 75.04 ft (22.87 m) above mean sea level.

PERIOD OF RECORD.--Nov. 1972 to current year.

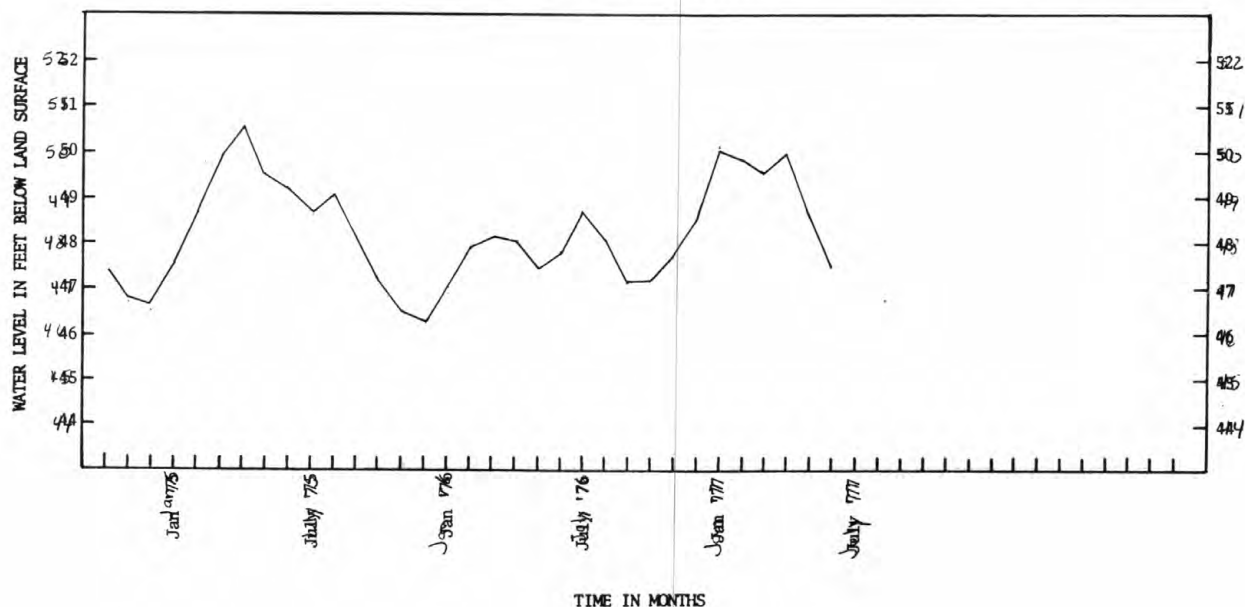
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 50.95 ft (15.53 m) above mean sea level, March 26, 1975; lowest, 46.48 ft (14.17 m) above mean sea level, Nov. 30, 1975.

ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46.91	47.81	47.64	49.87	50.26	49.48	49.75	49.43	47.94	47.09	---	46.83
2	46.87	47.80	47.69	49.85	50.20	49.40	49.75	49.40	47.97	47.09	---	46.82
3	46.83	47.86	47.53	49.93	50.22	49.42	49.78	49.35	47.88	47.04	---	46.84
4	46.78	47.89	47.52	49.95	50.26	49.46	49.90	49.31	47.81	47.00	---	46.91
5	46.75	47.88	47.69	49.94	50.22	49.51	50.04	49.28	47.80	47.00	---	46.98
6	46.74	47.85	47.73	49.93	50.10	49.50	50.09	49.22	47.83	46.98	---	47.00
7	46.72	47.89	47.86	50.00	50.05	49.56	50.19	49.18	47.82	46.89	---	46.99
8	46.71	47.88	47.86	49.95	50.02	49.49	50.30	49.13	47.74	---	---	47.01
9	46.90	47.87	47.76	49.98	49.97	49.48	50.29	49.09	47.70	---	---	47.01
10	46.81	47.90	47.80	50.02	49.89	49.51	50.27	49.01	47.63	---	---	47.01
11	46.78	47.88	47.87	49.90	49.91	49.54	50.26	48.92	47.59	---	---	47.01
12	46.71	47.85	48.12	49.91	49.74	49.57	50.25	48.86	47.55	---	---	47.04
13	46.78	47.79	48.09	49.93	49.89	49.64	50.26	48.83	47.50	---	---	47.06
14	46.83	47.80	48.12	50.06	49.90	49.64	50.24	48.80	47.46	---	---	47.04
15	46.94	47.85	48.34	50.10	49.86	49.65	50.21	48.72	47.49	---	---	47.04
16	47.09	47.80	48.49	50.11	49.82	49.66	50.15	48.62	47.49	---	---	47.05
17	47.32	47.79	48.62	50.13	49.60	49.65	50.10	48.56	47.45	---	---	47.07
18	47.44	47.83	48.76	50.23	49.72	49.72	50.05	48.53	47.43	---	---	47.09
19	47.54	47.81	48.95	50.26	49.72	49.67	50.01	48.49	47.43	---	46.65	47.10
20	47.70	47.81	49.19	50.28	49.72	49.67	49.96	48.44	47.41	---	46.67	47.10
21	47.70	47.80	49.30	50.28	49.61	49.66	49.89	48.37	47.39	---	46.70	47.09
22	47.66	47.72	49.39	50.27	49.59	49.81	49.85	48.31	47.34	---	46.71	47.06
23	47.63	47.65	49.55	50.27	49.57	49.73	49.85	48.28	47.30	---	46.73	47.04
24	47.66	47.66	49.60	50.36	49.66	49.72	49.91	48.27	47.28	---	46.73	47.04
25	47.74	47.64	49.69	50.41	49.59	49.71	49.86	48.25	47.27	---	46.77	47.03
26	47.78	47.64	49.86	50.38	49.52	49.70	49.77	48.21	47.28	---	46.78	47.03
27	47.73	47.70	49.81	50.39	49.55	49.69	49.68	48.18	47.25	---	46.81	47.01
28	47.71	47.76	49.87	50.41	49.51	49.73	49.63	48.14	47.21	---	46.86	46.98
29	47.73	47.76	49.89	50.33	---	49.74	49.57	48.07	47.17	---	46.84	46.87
30	47.79	47.67	49.85	50.29	---	49.74	49.50	48.01	47.12	---	---	46.77
31	47.85	---	49.92	50.29	---	49.77	---	47.97	---	---	46.84	---
MEAN	47.23	47.79	48.66	50.13	49.85	49.62	49.98	48.68	47.52	---	---	47.00
MAX	47.85	47.90	49.92	50.41	50.26	49.81	50.30	49.43	47.97	---	---	47.10
MIN	46.71	47.64	47.52	49.85	49.51	49.40	49.50	47.97	47.12	---	---	46.77

WTR YR 1977 MEAN 48.54 HIGH 50.41 LOW 46.65

MONTHLY MEAN HYDROGRAPH



CHARLESTON COUNTY

325025079574501. Local number, GHN 136.

LOCATION.--Lat 32°50'25", long 79°57'45", Hydrologic Unit 03050201, at Exxon Plant northwest of Charleston.

Owners: Exxon.

AQUIFER.--Limestone and sand of Eocene age.

WELL CHARACTERISTICS.--Drilled unused industrial and domestic artesian well, diameter 10 in (25.6 cm) to 290 ft (88.4 m), 8 in (20.5 cm) from 290 ft (88.4 m) to 504 ft (153.6 m), depth 504 ft (153.6 m), screened with slotted pipe 339-369 ft (103-112 m), 459-504 ft (140-153.6 m).

DATUM.--Land-surface datum is 15 ft (4.57 m) above mean sea level. Measuring point: Top of casing, 1.45 ft (0.44 m) above land-surface datum.

PERIOD OF RECORD.--1971 to current year.

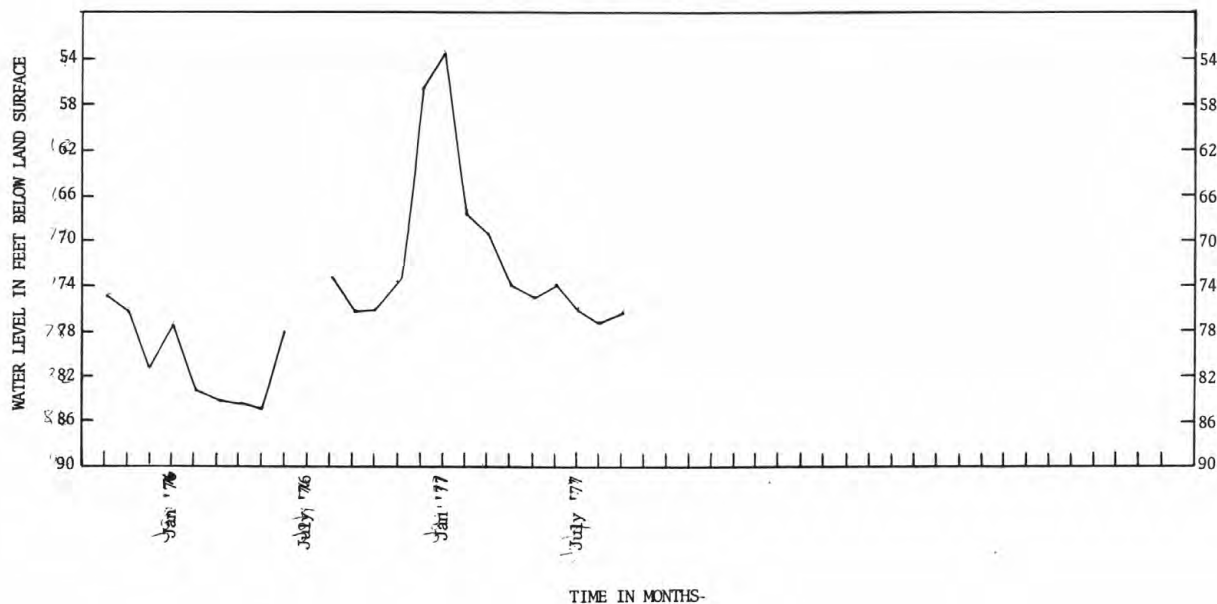
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 49.82 ft (15.19 m) below land-surface datum, Jan 10, 1977; lowest, 118.35 ft (36.08 m) below land-surface datum, Sept. 6, 1971.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.00	73.44	65.02	51.22	57.78	69.78	73.18	74.83	75.99	75.83	75.82	76.74
2	78.06	73.81	---	51.04	57.90	68.20	73.23	74.24	75.89	76.13	75.53	76.71
3	75.20	73.83	61.15	50.72	58.23	66.99	73.36	74.07	75.89	76.11	75.37	76.73
4	74.62	73.89	60.50	50.60	61.13	65.75	73.45	74.11	75.92	75.47	75.70	76.80
5	74.35	73.99	59.63	50.45	63.49	64.93	73.43	74.13	76.11	76.10	76.27	76.80
6	74.56	74.11	58.80	50.28	64.96	64.43	73.73	74.44	73.51	76.00	76.59	76.82
7	78.41	74.05	58.04	50.14	66.02	63.66	73.82	74.62	68.83	75.82	76.88	76.80
8	79.01	74.12	57.69	50.12	66.68	63.58	73.77	74.84	67.96	75.70	77.07	76.76
9	79.48	74.07	57.52	49.92	67.26	63.71	73.87	75.04	67.58	74.46	77.17	76.72
10	76.89	74.06	57.01	49.82	67.79	65.73	74.05	75.22	70.11	74.60	77.28	76.69
11	75.53	74.07	62.55	50.44	67.97	67.81	74.27	75.42	71.81	75.08	77.33	76.63
12	75.00	74.02	63.08	50.79	68.23	68.62	74.20	75.53	72.80	75.41	77.37	76.58
13	74.72	74.02	59.85	52.31	68.68	68.66	74.07	75.57	73.51	75.77	77.40	76.50
14	74.54	73.93	57.10	53.33	69.16	69.40	73.99	75.63	73.96	75.57	77.41	76.45
15	78.23	73.82	56.30	54.19	69.36	70.03	73.97	75.77	74.28	75.71	77.43	76.49
16	78.59	73.90	55.90	54.82	69.63	70.47	73.91	75.90	74.53	75.92	77.46	76.47
17	79.69	73.84	55.80	55.19	69.94	70.79	73.89	75.85	74.67	76.04	77.56	76.44
18	76.38	73.77	55.60	55.11	70.18	71.03	73.91	75.86	74.79	76.10	77.58	76.42
19	75.34	73.75	55.29	55.31	70.43	71.24	73.90	75.81	73.44	76.04	77.51	76.37
20	74.78	73.72	56.60	55.76	70.72	71.68	73.97	75.77	73.68	76.07	76.85	76.35
21	74.68	73.65	58.31	56.12	71.13	72.01	74.07	75.86	74.26	76.54	76.71	76.32
22	74.61	73.80	55.30	56.44	71.24	72.07	74.02	76.03	74.63	76.80	76.46	75.56
23	78.04	73.90	53.95	56.67	71.36	72.35	74.10	76.02	74.91	76.90	76.58	75.06
24	79.14	73.91	53.32	56.74	71.40	72.48	74.18	75.78	75.12	77.00	76.72	75.56
25	76.80	73.94	52.78	56.91	71.65	72.62	74.27	75.76	75.25	77.13	76.84	75.39
26	75.39	73.89	52.28	57.15	71.85	72.76	74.14	75.71	75.43	77.22	76.84	75.51
27	74.95	73.81	52.04	57.13	71.98	72.87	74.25	75.66	75.56	77.25	76.86	75.96
28	74.60	72.75	52.03	56.97	71.88	72.87	74.49	75.74	75.58	77.25	76.91	76.13
29	74.25	68.87	52.00	57.28	---	72.92	74.62	75.94	75.66	77.27	76.90	75.98
30	73.86	66.26	52.03	57.52	---	73.02	74.69	76.09	75.77	77.34	76.83	76.27
31	73.47	---	51.40	57.67	---	73.14	---	76.12	---	76.21	76.78	---
MEAN	76.03	74.43	56.63	53.81	67.78	69.53	73.96	75.39	73.91	76.15	76.83	76.33
MAX	79.69	74.12	65.02	57.67	71.98	73.14	74.69	76.12	76.11	77.34	77.58	76.82
MIN	73.47	66.26	51.40	49.82	57.78	63.58	73.18	74.07	67.58	74.46	75.37	75.06

WTR YR 1977 MEAN 70.84 HIGH 49.82 LOW 79.69

MONTHLY MEAN HYDROGRAPH



GROUND-WATER LEVELS

COLLETON COUNTY

330002080272000. Local number, COL 52.

LOCATION.--Lat 33°00'02", long 80°27'20", Hydrologic Unit 03050208, northeast of Cottageville.

Owner: George Ackerman.

AQUIFER.--Middle Eocene limestone.

WELL CHARACTERISTICS.--Drilled unused domestic artesian well, diameter 4 in (10.3 cm), depth 337 ft (102.7 m), cased to 61 ft (18.6 m), open hole to 337 ft (102.7 m).

DATUM.--Land-surface datum is 50 ft (15.2 m) above mean sea level. Measuring point: Top of casing, 1.4 ft (0.43 m) above land-surface datum.

REMARKS.--Recorder removed at owner's request. Data collection discontinued.

PERIOD OF RECORD.--Dec. 1974 to May 11, 1977.

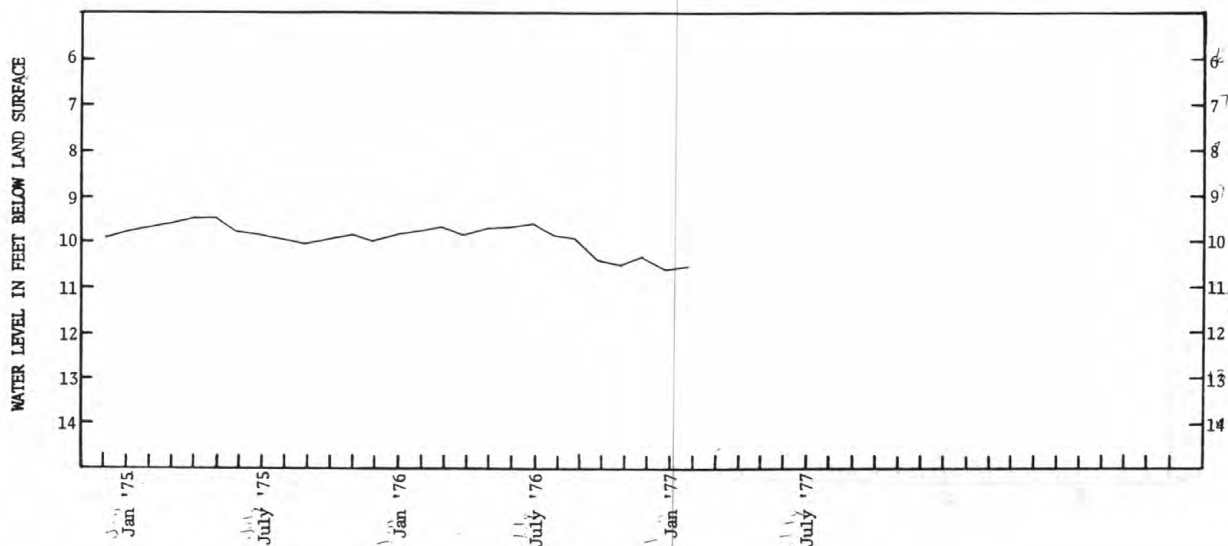
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.32 ft (2.84 m) below land-surface datum, Mar. 30, 1975; lowest 11.36 ft (3.46 m) below land-surface datum, Jan. 19, 1977.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.31	10.40	10.51	10.40	10.69	10.50	---	10.48				
2	10.36	10.47	10.52	10.93	10.85	10.52	---	10.48				
3	10.38	10.40	10.56	10.71	10.62	10.51	---	10.49				
4	10.44	10.35	10.51	10.37	10.45	10.38	---	10.46				
5	10.48	10.41	10.51	10.31	10.42	10.35	---	10.42				
6	10.43	10.49	10.44	10.30	10.72	10.33	---	10.43				
7	10.45	10.41	10.21	10.18	11.08	10.30	---	10.42				
8	10.41	10.57	10.40	10.32	10.89	10.42	---	10.39				
9	10.27	10.96	10.93	10.23	10.76	---	---	10.39				
10	10.38	10.48	10.59	10.36	10.73	---	---	10.45				
11	10.44	10.42	10.40	11.12	10.67	---	---	10.49				
12	10.46	10.45	10.24	11.08	10.57	---	---	---				
13	10.43	10.56	10.29	10.65	10.41	---	10.27	---				
14	10.37	10.54	10.34	10.37	10.49	---	10.22	---				
15	10.42	10.40	10.13	10.29	10.49	---	10.22	---				
16	10.42	10.50	10.10	10.37	10.50	---	10.23	---				
17	10.36	10.46	10.14	10.62	10.56	---	10.23	---				
18	10.49	10.39	10.24	10.93	10.60	---	10.28	---				
19	10.48	10.37	10.23	11.36	10.52	---	10.32	---				
20	10.32	10.29	10.08	11.30	10.45	---	10.38	---				
21	10.35	10.28	10.24	11.17	10.51	---	10.45	---				
22	10.44	10.44	10.55	10.82	10.52	---	10.47	---				
23	10.46	10.51	10.37	10.82	10.53	---	10.41	---				
24	10.41	10.90	10.36	10.94	10.38	---	10.25	---				
25	10.29	10.59	10.35	10.52	10.45	---	10.24	---				
26	10.25	10.52	10.19	10.59	10.47	---	10.29	---				
27	10.39	10.42	10.50	10.62	10.38	---	10.40	---				
28	10.48	10.29	10.12	10.40	10.45	---	10.42	---				
29	10.48	10.30	10.11	10.52	---	---	10.44	---				
30	10.38	10.48	10.23	10.57	---	---	10.49	---				
31	10.30	---	10.13	10.74	---	---	---	---				
MEAN	10.39	10.46	10.33	10.64	10.57	10.41	10.33	10.44				
MAX	10.49	10.96	10.93	11.36	11.08	10.52	10.49	10.49				
MIN	10.25	10.28	10.08	10.18	10.38	10.30	10.22	10.39				

WTR YR 1977 MEAN 10.46 HIGH 10.08 LOW 11.36

MONTHLY MEAN HYDROGRAPH



FLORENCE COUNTY

341150079345000. Local number, FLO 128.

LOCATION.--Lat 34°11'50", long 79°34'50", Hydrologic Unit 03040201, east of Mars Bluff.

Owner: E.I. DuPont, Nemours Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused observation artesian well, diameter 4 in (10.3 cm), depth drilled 802 ft (244.5 m), depth measured by geophysical logger 460 ft (140.2 m), reportedly cased to 802 ft (244.5 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) above mean sea level. Measuring point: Top of casing, 1.43 ft (0.44 m) above land-surface datum.

PERIOD OF RECORD.--1971 to current year.

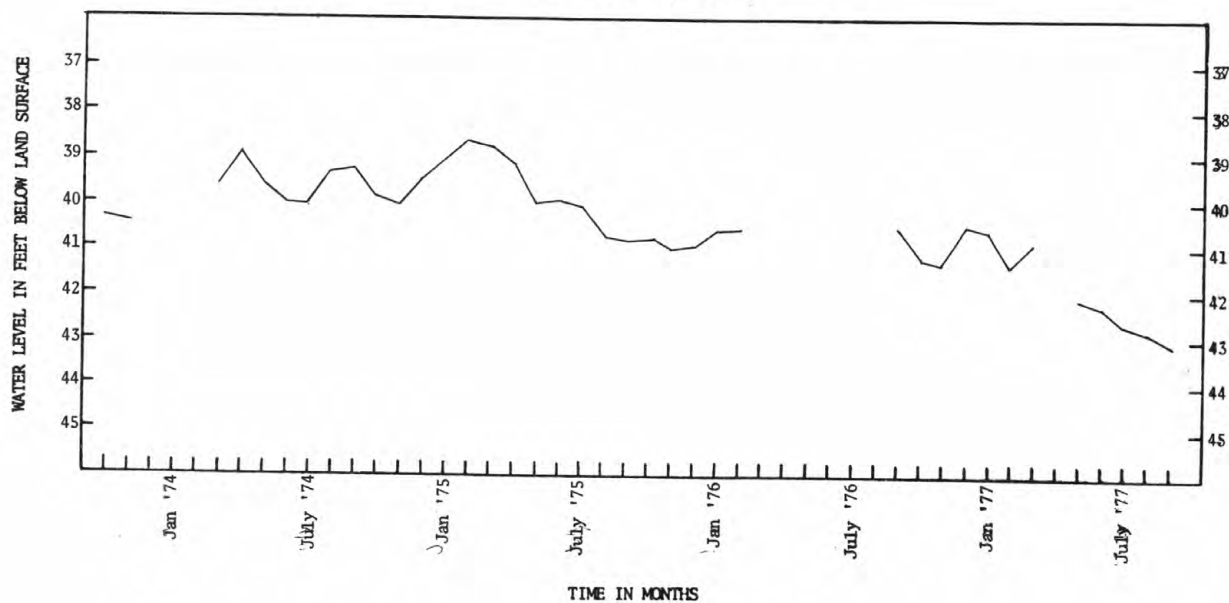
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 37.31 ft (11.37 m) below land-surface datum, Apr. 8, 1973; lowest, 45.96 ft (14.01 m) below land-surface datum, May 11, 1972.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41.46	41.11	41.30	40.54	41.17	41.45		---	42.14	42.41	42.83	43.05
2	41.49	41.22	41.16	40.63	41.22	41.45		---	42.05	42.44	42.85	43.05
3	41.54	41.21	41.14	40.67	41.19	41.43		---	42.04	42.49	42.85	43.05
4	41.57	41.18	41.15	40.73	41.13	41.34		---	42.08	42.55	42.80	43.05
5	41.61	41.21	41.16	40.80	41.12	41.33		---	42.08	42.58	42.78	43.05
6	41.56	41.31	41.16	40.85	41.23	41.33		---	42.07	42.58	42.78	43.06
7	41.54	41.31	41.05	40.80	41.30	41.24		---	42.14	42.57	42.78	43.10
8	41.55	41.34	41.11	40.86	41.36	41.27		---	42.17	42.57	42.80	43.09
9	41.44	41.40	41.18	40.86	41.37	41.25		---	42.16	42.58	42.84	43.04
10	41.47	41.34	41.08	40.81	41.37	41.17		---	42.20	42.61	42.87	42.96
11	41.41	41.32	40.94	40.94	41.35	41.10		---	42.22	42.65	42.88	42.89
12	41.28	41.37	40.73	40.89	41.33	41.06		42.01	42.22	42.69	42.88	42.88
13	41.15	41.44	40.67	40.82	41.29	40.90		42.00	42.30	42.74	42.90	42.88
14	41.04	41.42	40.63	40.56	41.37	40.91		41.98	42.38	42.74	42.90	42.92
15	40.94	41.25	40.41	40.37	41.40	40.91		41.99	42.37	42.74	42.90	43.03
16	40.88	41.27	40.25	40.26	41.38	40.85		42.08	42.34	42.74	42.91	43.10
17	40.84	41.21	40.16	40.25	41.38	40.81		42.15	42.35	42.74	42.92	43.11
18	40.92	41.14	40.14	40.21	41.36	40.64		42.15	42.36	42.77	42.92	43.10
19	40.99	41.12	40.08	40.23	41.33	40.65		42.13	42.38	42.81	42.88	43.09
20	40.94	41.11	39.91	40.32	41.32	40.67		42.07	42.42	42.82	42.88	43.09
21	40.98	41.16	39.92	40.45	41.43	40.77		42.09	42.44	42.81	42.88	43.08
22	41.01	41.26	40.00	40.56	41.52	40.67		42.13	42.45	42.77	42.88	43.12
23	40.99	41.35	40.01	40.69	41.50	40.74		42.18	42.41	42.78	42.89	43.16
24	40.91	41.35	40.12	40.73	41.36	40.72		42.16	42.43	42.79	42.89	43.18
25	40.79	41.33	40.18	40.78	41.36	40.67		42.08	42.41	42.80	42.89	43.19
26	40.75	41.33	40.13	40.90	41.36	40.59		42.03	42.38	42.84	42.90	43.22
27	40.89	41.33	40.24	40.92	41.36	40.52		42.00	42.39	42.86	42.91	43.27
28	41.00	41.28	40.27	40.96	41.41	40.47		41.97	42.42	42.88	42.91	43.26
29	41.04	41.27	40.34	41.05	---	40.46		41.98	42.38	42.88	42.91	43.26
30	41.03	41.36	40.47	41.08	---	---		42.03	42.39	42.82	42.99	43.28
31	41.01	---	40.46	41.10	---	---		42.12	---	42.81	43.05	---
MEAN	41.16	41.27	40.56	40.69	41.33	40.94		42.06	42.28	42.70	42.87	43.08
MAX	41.61	41.44	41.30	41.10	41.52	41.45		42.18	42.45	42.88	43.05	43.28
MIN	40.75	41.11	39.91	40.21	41.12	40.46		41.97	42.04	42.41	42.78	42.88

WTR YR 1977 MEAN 41.71 HIGH 39.91 LOW 43.28

MONTHLY MEAN HYDROGRAPH



GROUND-WATER LEVELS

GEORGETOWN COUNTY

332729079173500. Local number, GEO 77.

LOCATION.--Lat 33°27'29", long 79°17'35", Hydrologic Unit 03040207, north of Georgetown.

Owner: Georgetown Rural Water District.

AQUIFER.--Sands of the Pee Dee and Black Creek Formations.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 10 in (25.6 cm) to 445 ft (135.6 m), 8 in (20.5 cm) from 445 ft (136 m) to 748 ft (228.0 m), depth 748 ft (228.0 m), cased to 748 ft (228.0 m), screened 490-520 ft (149.4-158.5 m), 580-660 ft (176.8 - 201.2 m), 720-740 ft (219.5-225.6 m), gravel packed.

DATUM.--Land-surface datum is 22 ft (6.7 m) above mean sea level. Measuring point: Top of casing, 2.10 ft (0.64 m) above land-surface datum.

PERIOD OF RECORD.--1969 to current year.

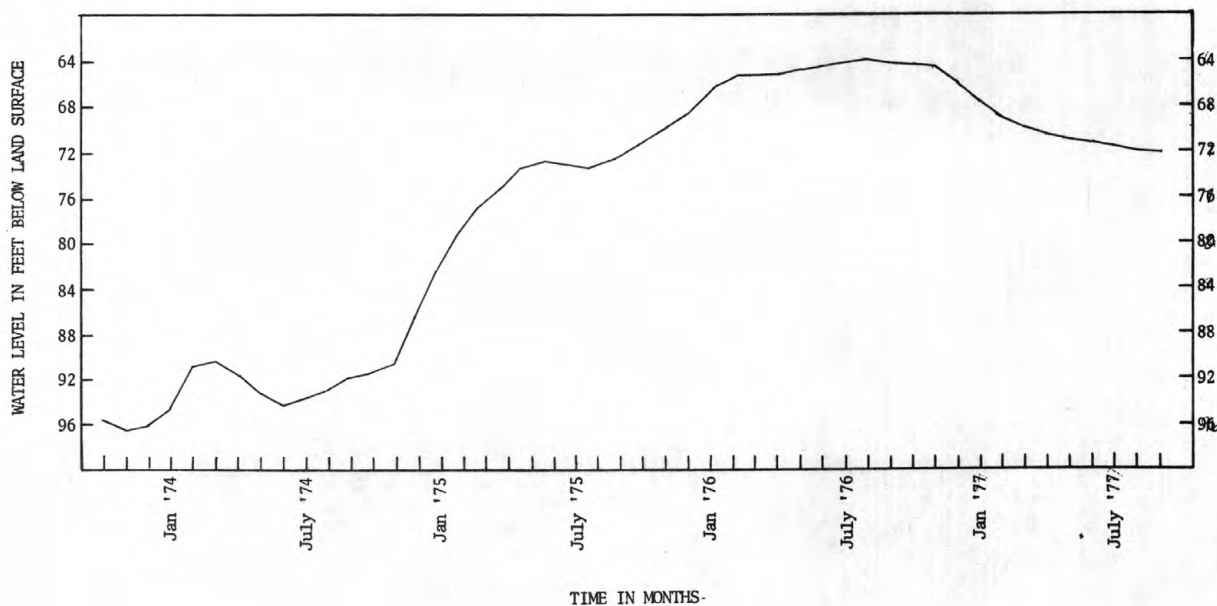
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 63.73 ft (19.4 m) below land-surface datum, Nov. 7, 1976; lowest, 96.82 ft (29.52 m) below land-surface datum, Nov. 21-23, 1973.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64.26	63.97	65.43	67.02	68.43	69.55	---	70.76	71.06	71.11	---	72.04
2	64.26	63.96	65.45	---	68.53	69.63	---	70.78	71.05	71.14	---	72.05
3	64.26	63.85	65.56	---	68.51	69.64	---	70.79	71.10	71.16	---	72.06
4	64.28	63.78	65.64	---	68.46	69.56	---	70.79	71.17	71.20	---	72.05
5	64.29	63.77	65.71	---	68.51	69.58	---	70.78	71.15	71.21	---	72.00
6	64.27	63.81	65.75	---	68.70	69.60	---	70.80	71.08	71.20	---	72.01
7	64.27	63.73	65.65	---	68.77	69.59	---	70.81	71.06	71.22	---	72.04
8	64.23	63.77	65.75	---	---	69.71	70.33	70.80	71.14	71.26	---	72.03
9	64.12	63.81	65.99	---	---	69.76	70.39	70.80	71.13	71.30	---	72.03
10	64.17	63.80	66.04	---	---	69.75	70.44	70.87	71.16	71.34	---	72.07
11	64.19	63.86	66.04	---	---	69.77	70.47	70.94	71.13	71.37	---	72.11
12	64.23	63.95	65.96	67.54	---	69.78	70.48	70.98	71.07	71.40	---	72.18
13	64.21	64.08	66.06	67.60	---	69.72	70.46	70.97	71.05	71.44	---	72.19
14	64.17	64.11	66.20	67.50	---	69.76	70.43	70.96	71.05	71.46	---	72.20
15	64.17	64.10	66.14	67.51	69.03	69.80	70.45	71.00	71.00	71.48	---	72.26
16	64.18	64.25	66.17	67.59	69.08	69.81	70.47	71.09	70.96	71.51	---	72.30
17	64.13	64.32	66.26	67.70	69.17	69.86	70.50	71.11	70.95	71.53	---	72.30
18	64.20	64.34	66.38	67.68	69.20	69.80	70.54	71.10	70.93	71.55	---	72.29
19	64.22	64.41	66.45	67.74	69.20	69.87	70.56	71.11	70.92	71.56	---	72.29
20	64.12	64.46	66.42	67.81	69.20	69.90	70.61	71.12	70.92	71.57	---	72.31
21	64.16	64.55	66.51	67.89	69.31	69.97	70.66	71.17	70.93	71.58	---	72.34
22	64.26	64.72	66.66	67.97	69.37	69.87	70.67	71.20	70.97	71.58	71.80	72.37
23	64.30	64.86	66.65	68.04	---	69.96	70.64	71.20	70.98	71.64	71.83	72.42
24	64.27	64.92	66.75	68.00	---	69.99	70.54	71.08	70.99	71.67	71.84	72.43
25	64.16	65.00	66.77	67.99	---	70.02	70.53	71.01	70.94	71.67	71.86	72.44
26	64.14	65.05	66.65	68.08	---	70.06	70.58	70.97	70.94	71.67	71.90	72.42
27	64.19	65.05	66.76	68.10	---	70.10	70.67	70.99	70.97	---	71.94	72.37
28	64.21	65.07	66.76	68.10	69.51	70.09	70.70	70.99	71.00	---	71.97	72.37
29	64.17	65.13	66.80	68.22	---	---	70.73	71.01	71.03	---	71.97	72.43
30	64.07	65.32	66.94	68.31	---	---	70.74	71.04	71.07	---	71.98	72.46
31	63.95	---	66.91	68.35	---	---	---	71.07	---	---	72.00	---
MEAN	64.19	64.32	66.23	67.84	68.93	69.80	70.54	70.97	71.03	71.41	71.90	72.22
MAX	64.30	65.32	66.94	68.35	69.51	70.10	70.74	71.20	71.17	71.67	72.00	72.46
MIN	63.95	63.73	65.43	67.02	68.43	69.55	70.33	70.76	70.92	71.11	71.80	72.00

WTR YR 1977 MEAN 68.89 HIGH 63.73 LOW 72.46

MONTHLY MEAN HYDROGRAPH



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 unused public supply water table well, diameter 6 in (15.38 cm), depth 80 ft (24.4 m), cased to 6 ft (1.8 m), open hole below casing.

DATUM.--Land-surface datum is 926 ft (282.3 m) above mean sea level. Measuring point: Top of casing, 1.79 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--1973 to current year.

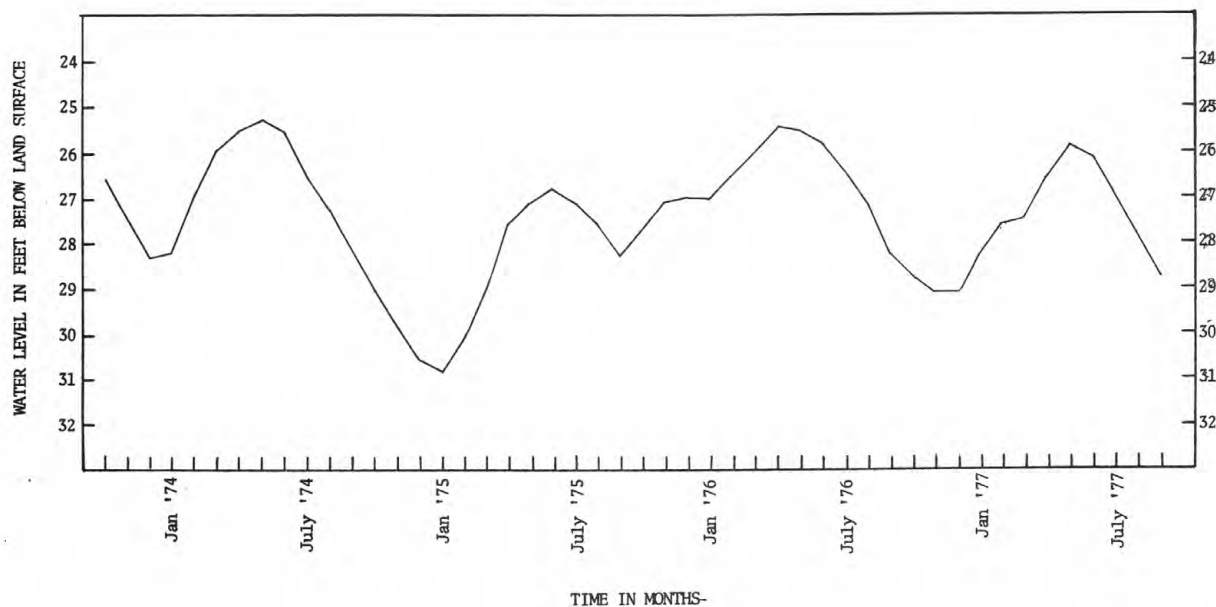
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 23.81 ft (7.26 m) below land-surface datum, June 28, 1973; lowest, 29.31 ft (8.94 m) below land-surface datum, Dec. 9, 1976.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.75	28.95	29.26	28.65	27.88	27.67	27.25	26.16	25.89	26.49	27.37	28.46
2	28.78	28.96	29.23	28.62	27.88	27.69	27.20	26.13	25.92	26.52	27.42	28.49
3	28.82	28.93	29.24	28.58	27.82	27.65	27.16	26.10	25.97	26.55	27.46	28.52
4	28.85	28.93	29.27	28.55	27.77	27.61	27.08	26.07	25.99	26.58	27.49	28.55
5	28.87	28.97	29.27	28.52	27.79	27.65	27.07	26.04	25.96	26.59	27.53	28.58
6	28.89	28.99	29.25	28.50	27.82	27.64	27.08	26.02	25.91	26.60	27.55	28.62
7	28.91	28.96	29.19	28.48	27.82	27.63	27.02	26.00	25.97	26.62	27.59	28.64
8	28.90	29.00	29.24	28.49	27.79	27.65	26.96	25.98	26.01	26.66	27.61	28.68
9	28.91	28.99	29.31	28.43	27.76	27.63	26.93	25.96	26.02	26.69	27.65	28.71
10	28.95	28.99	29.28	28.42	27.75	27.61	26.88	25.98	26.07	26.72	27.69	28.75
11	28.95	29.01	29.23	28.47	27.72	27.60	26.84	25.98	26.06	26.75	27.72	28.79
12	28.94	29.04	29.19	28.42	27.70	27.56	26.78	25.96	26.06	26.77	27.75	28.82
13	28.90	29.06	29.23	28.39	27.68	27.53	26.72	25.93	26.11	26.81	27.79	28.83
14	28.89	29.04	29.22	28.29	27.68	27.55	26.66	25.91	26.14	26.83	27.82	28.86
15	28.90	29.04	29.12	28.29	27.68	27.53	26.63	25.92	26.15	26.86	27.86	28.90
16	28.90	29.09	29.09	28.27	27.68	27.52	26.59	25.95	26.17	26.89	27.89	28.92
17	28.90	29.08	29.08	28.25	27.68	27.51	26.55	25.92	26.19	26.92	27.92	28.93
18	28.93	29.07	29.09	28.20	27.65	27.45	26.52	25.90	26.19	26.94	27.96	28.93
19	28.91	29.08	29.04	28.19	27.64	27.50	26.49	25.89	26.20	26.97	27.99	28.94
20	28.85	29.10	28.96	28.15	27.64	27.48	26.47	25.90	26.22	27.00	28.03	28.96
21	28.88	29.11	29.00	28.14	27.67	27.48	26.44	25.90	26.26	27.02	28.06	28.99
22	28.90	29.15	28.96	28.13	27.66	27.44	26.40	25.91	26.30	27.06	28.09	29.01
23	28.91	29.17	28.90	28.10	27.65	27.45	26.33	25.90	26.31	27.10	28.13	29.02
24	28.88	29.17	28.89	28.04	27.61	27.42	26.28	25.88	26.32	27.12	28.16	29.03
25	28.83	29.18	28.82	28.01	27.66	27.41	26.26	25.86	26.33	27.14	28.22	29.04
26	28.88	29.19	28.77	27.98	27.65	27.40	26.26	25.86	26.35	27.18	28.26	29.05
27	28.93	29.20	28.75	27.95	27.63	27.38	26.25	25.87	26.39	27.22	28.29	29.07
28	28.95	29.18	28.69	27.93	27.67	27.34	26.21	25.86	26.40	27.26	28.33	29.09
29	28.93	29.23	28.69	27.95	---	27.32	26.21	25.89	26.43	27.27	28.36	29.11
30	28.89	29.26	28.68	27.92	---	27.29	26.19	25.92	26.47	27.30	28.39	29.12
31	28.90	---	28.64	27.90	---	27.27	---	25.92	---	27.33	28.43	---
MEAN	28.88	29.07	29.05	28.26	27.71	27.51	26.65	25.95	26.15	26.89	27.89	28.84
MAX	28.95	29.26	29.31	28.65	27.88	27.69	27.25	26.16	26.47	27.33	28.43	29.12
MIN	28.75	28.93	28.64	27.90	27.61	27.27	26.19	25.86	25.89	26.49	27.37	28.46

WTR YR 1977 MEAN 27.74 HIGH 25.86 LOW 29.31

MONTHLY MEAN HYDROGRAPH



GROUND-WATER LEVELS

HORRY COUNTY

335115079033500. Local number, HO 307.

LOCATION.--Lat 33°51'15", long 79°03'36", Hydrologic Unit 03040206, at Collins Park in Conway.

Owner: City of Conway.

AQUIFER.--Sands of Pee Dee and Black Creek Formation.

WELL CHARACTERISTICS.--Drilled unused municipal artesian well, diameter 8 in (20.5 cm), depth 438 ft (133.5 m) exact screen and casing
implacement unknown.

DATUM.--Land-surface datum is 20 ft (6.1 m) above mean sea level. Measuring point: Top of casing, 1.0 ft (0.30 m) above land-surface datum.

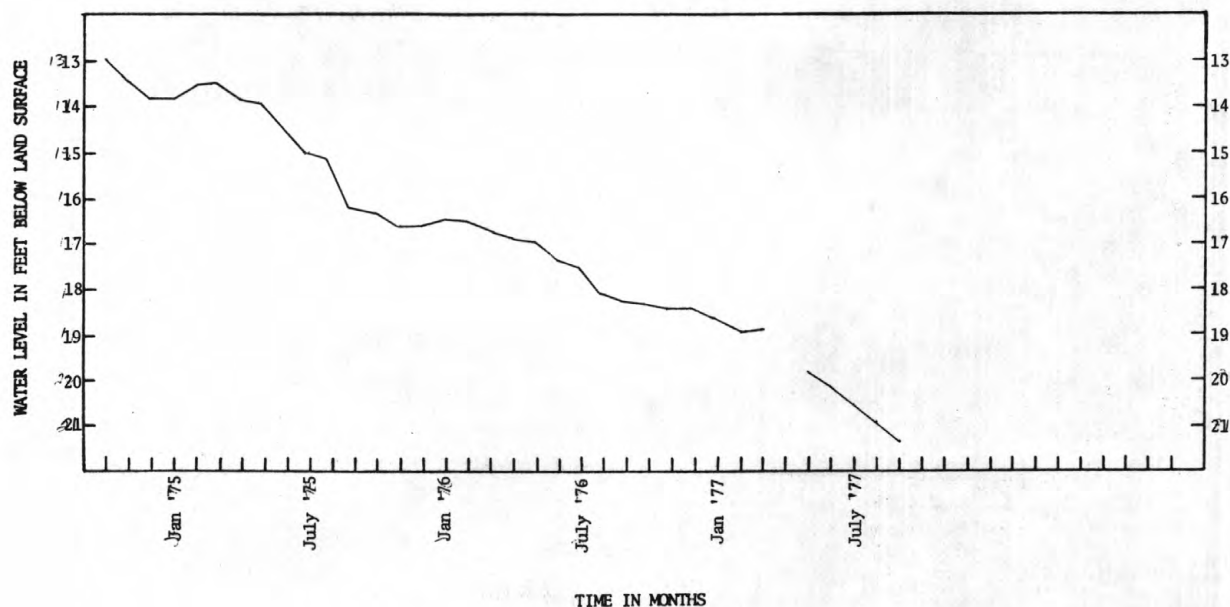
PERIOD OF RECORD.--July 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.91 ft (3.63 m) below land-surface datum, Oct. 12, 1974; lowest, 21.58 ft
(6.58 m) below land-surface datum, Sept. 30, 1977.WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.24	18.40	18.57	18.51	18.81	19.01	---	19.75	19.93	20.41	20.88	21.26
2	18.26	18.44	18.54	18.55	18.87	19.06	---	19.74	19.93	20.45	20.90	21.28
3	18.28	18.41	18.56	18.51	18.84	19.06	---	19.74	19.99	20.47	20.90	21.29
4	18.31	18.40	18.56	18.50	18.80	18.99	---	19.76	20.04	20.48	20.90	21.27
5	18.33	18.43	18.57	18.52	18.81	18.95	---	19.76	20.03	20.48	20.93	21.22
6	18.33	18.48	18.54	18.55	18.91	18.95	---	19.78	19.97	20.48	20.93	21.20
7	18.35	18.45	18.41	18.48	18.95	18.88	---	19.80	19.92	20.52	20.92	21.23
8	18.35	18.46	18.43	18.55	18.96	18.93	---	19.80	19.97	20.56	20.92	21.25
9	18.29	18.49	18.55	18.53	18.97	18.94	---	19.80	19.99	20.61	20.93	21.27
10	18.34	18.47	18.54	18.50	18.98	18.93	---	19.85	20.05	20.61	20.96	21.30
11	18.37	18.49	18.50	18.61	18.99	18.93	---	19.90	20.05	20.57	20.99	21.32
12	18.39	18.52	18.40	18.64	18.94	18.93	---	19.94	20.06	20.58	21.02	21.35
13	18.38	18.57	18.42	18.67	18.89	18.87	---	19.94	20.09	20.61	21.03	21.35
14	18.37	18.55	18.45	18.58	18.94	18.89	---	19.93	20.13	20.63	20.99	21.35
15	18.39	18.47	18.37	18.57	18.95	18.90	---	19.96	20.12	20.66	21.00	21.39
16	18.40	18.50	18.36	18.60	18.99	18.90	---	20.02	20.15	20.70	21.00	21.42
17	18.37	18.50	18.39	18.65	19.03	18.94	---	20.03	20.18	20.71	21.00	21.42
18	18.40	18.46	18.45	18.61	19.02	18.90	---	20.04	20.18	20.72	21.01	21.41
19	18.39	18.45	18.45	18.63	19.00	18.94	---	20.05	20.18	20.72	21.01	21.40
20	18.28	18.44	18.40	18.67	18.98	18.92	---	20.07	20.19	20.74	21.03	21.41
21	18.28	18.43	18.44	18.70	19.05	18.95	---	20.09	20.19	20.75	21.04	21.44
22	18.33	18.48	18.51	18.73	19.08	18.84	---	20.07	20.22	20.78	21.04	21.48
23	18.36	18.53	18.48	18.76	19.07	18.91	---	20.04	20.24	20.85	21.07	21.52
24	18.35	18.54	18.51	18.71	18.96	18.92	---	19.92	20.28	20.87	21.09	21.52
25	18.29	18.58	18.50	18.66	18.97	18.93	---	19.82	20.25	20.86	21.13	21.51
26	18.28	18.58	18.37	18.70	19.01	18.96	---	19.82	20.25	20.86	21.18	21.51
27	18.37	18.52	18.41	18.70	18.99	18.98	19.65	19.85	20.27	20.87	21.21	21.52
28	18.40	18.49	18.38	18.69	18.99	18.96	19.66	19.85	20.29	20.91	21.22	21.51
29	18.41	18.47	18.38	18.76	---	18.96	19.70	19.87	20.32	20.90	21.22	21.56
30	18.39	18.54	18.46	18.79	---	---	19.74	19.91	20.37	20.83	21.20	21.58
31	18.35	---	18.44	18.79	---	---	---	19.93	---	20.85	21.22	---
MEAN	18.34	18.48	18.46	18.62	18.95	18.93	19.68	19.89	20.12	20.67	21.02	21.38
MAX	18.41	18.58	18.57	18.79	19.08	19.06	19.74	20.09	20.37	20.91	21.22	21.58
MIN	18.24	18.40	18.36	18.48	18.80	18.84	19.65	19.74	19.92	20.41	20.88	21.20

WTR YR 1977 MEAN 19.54 HIGH 18.24 LOW 21.58

MONTHLY MEAN HYDROGRAPH



HORRY COUNTY

33453078574200. Local number, HO 308 Perry Road 2.

LOCATION.--Lat 33°45'30", long 78°57'42", Hydrologic Unit 03040206, 5 1/2 miles S.E. of Conway between S.C. 90 and U.S. 501.

Owner: South Carolina Water Resources Commission.

AQUIFER.--Black Creek.

WELL CHARACTERISTICS.--Drilled artesian observation and test well, diameter 4 in (10.25 cm), depth 375 ft (114.3 m), cased to 360 ft (109.75 m), screened from 360-375 ft (109.8 - 114.3 m).

DATUM.--Land-surface datum is 42.46 ft (12.94 m) above mean sea level. Measuring point is land-surface datum.

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

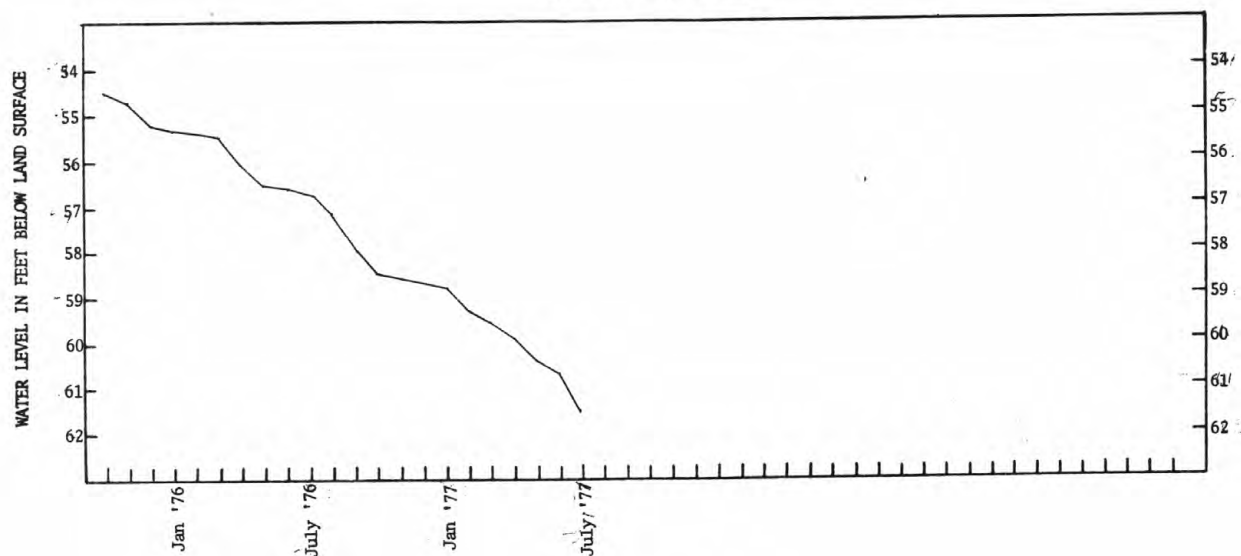
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 54.18 ft (16.51 m) below land-surface datum, Oct. 1, 1975, lowest, 61.94 ft (18.88 m) below land-surface datum, Aug. 2, 1977.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58.30	58.57	58.77	58.74	59.17	59.40	59.69	60.28	60.45	61.24	61.88	
2	58.32	58.58	58.77	58.74	59.22	59.44	59.71	60.29	60.42	61.29	61.94	
3	58.34	58.58	58.77	58.79	59.22	59.48	59.72	60.27	60.46	61.31	---	
4	58.37	58.58	58.77	58.83	59.18	59.42	59.72	60.24	60.54	61.32	---	
5	58.38	58.58	58.77	58.83	59.19	59.38	59.69	60.22	60.56	61.33	---	
6	58.38	58.58	58.79	58.83	59.30	59.40	59.70	60.24	60.55	61.33	---	
7	58.40	58.58	58.77	58.81	59.32	59.31	59.75	60.30	60.49	61.33	---	
8	58.44	58.59	58.74	58.81	59.32	59.36	59.76	60.32	60.54	61.35	---	
9	58.40	58.60	58.74	58.81	59.33	59.40	59.81	60.32	60.57	61.40	---	
10	58.43	58.60	58.74	58.80	59.35	59.42	59.85	60.35	60.68	61.43	---	
11	58.45	58.60	58.74	58.78	59.36	59.46	59.85	60.42	60.72	61.47	---	
12	58.47	58.60	58.73	58.78	59.36	59.50	59.85	60.49	60.74	61.50	---	
13	58.47	58.60	58.71	58.78	59.32	59.47	59.85	60.52	60.76	61.50	---	
14	58.47	58.60	58.71	58.78	59.34	59.49	59.85	60.54	60.78	61.51	---	
15	58.52	58.64	58.70	58.78	59.34	59.50	59.86	60.55	60.76	61.54	---	
16	58.55	58.72	58.69	58.78	59.36	59.51	59.91	60.56	60.73	61.57	---	
17	58.53	58.73	58.69	58.79	59.39	59.57	59.94	60.57	60.76	61.60	---	
18	58.53	58.73	58.69	58.80	59.38	59.55	59.98	60.57	60.80	61.64	---	
19	58.53	58.73	58.69	58.80	59.37	59.61	60.01	60.57	60.81	61.67	---	
20	58.43	58.73	58.66	58.80	59.36	59.61	60.05	60.53	60.82	61.67	---	
21	58.43	58.73	58.63	58.80	59.40	59.63	60.13	60.53	60.83	61.67	---	
22	58.50	58.77	58.63	58.80	59.42	59.46	60.16	60.53	60.89	61.67	---	
23	58.55	58.85	58.72	58.80	59.42	59.54	60.18	60.53	60.94	61.68	---	
24	58.56	58.84	58.81	58.93	59.31	59.58	60.14	60.53	61.02	61.70	---	
25	58.50	58.85	58.81	59.05	59.32	59.62	60.13	60.47	61.04	61.73	---	
26	58.46	58.85	58.80	59.07	59.37	59.66	60.12	60.43	61.06	61.77	---	
27	58.55	58.85	58.78	59.07	59.38	59.70	60.17	60.41	61.08	61.77	---	
28	58.60	58.82	58.76	59.06	59.38	59.70	60.17	60.44	61.08	61.79	---	
29	58.63	58.77	58.74	59.13	---	59.68	60.21	60.45	61.10	61.81	---	
30	58.62	58.77	58.74	59.17	---	59.67	60.25	60.47	61.17	61.81	---	
31	58.56	---	58.74	59.17	---	59.67	---	60.47	---	61.81	---	
MEAN	58.47	58.68	58.73	58.86	59.32	59.52	59.94	60.43	60.77	61.55	---	
MAX	58.63	58.85	58.81	59.17	59.42	59.70	60.25	60.57	61.17	61.81	---	
MIN	58.30	58.57	58.63	58.74	59.17	59.31	59.69	60.22	60.42	61.24	---	

WTR YR 1977 MEAN 59.64 HIGH 58.30 LOW 61.94

MONTHLY MEAN HYDROGRAPH



TIME IN MONTHS

LEXINGTON COUNTY

335250081102501. Local number, LEX 79.

LOCATION.--Lat 33°52'50", long 81°10'25", Hydrologic Unit 03050110, near Edmund.

Owner: Pennsylvania Sand and Glass Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused industrial and observation artesian well, diameter 6 in (15.38 cm), depth 252 ft (76.8 m), cased to 250 ft (76.2 m).

DATUM.--Land-surface datum is 376 ft (114.6 m) above mean sea level. Measuring point: Top of recorder platform, at land-surface datum.

PERIOD OF RECORD.--1966 to current year.

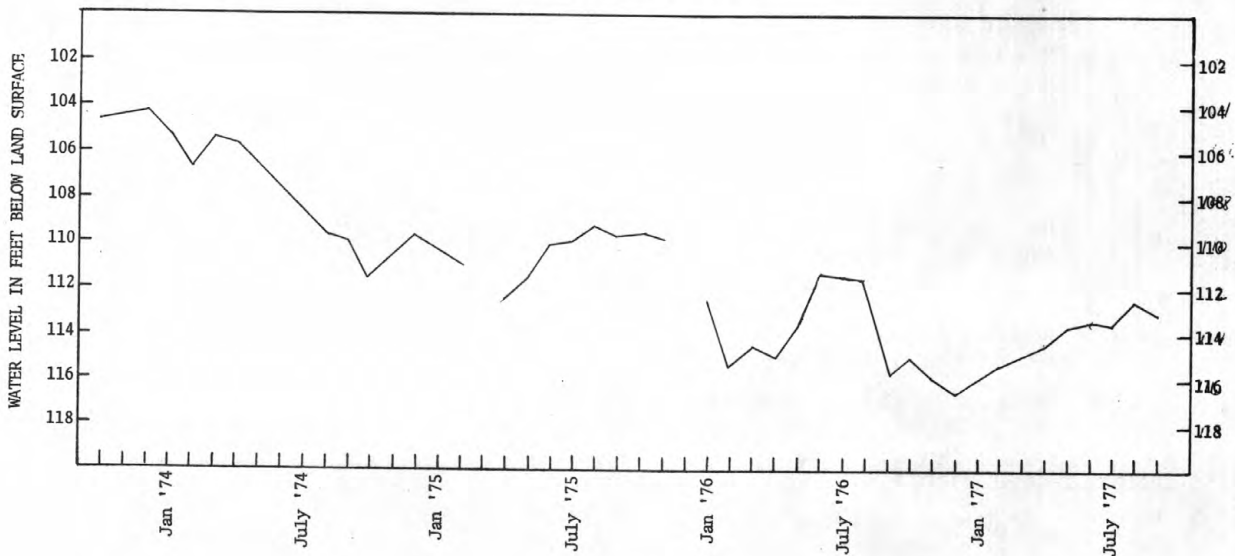
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 100.31 ft (30.58 m) below land-surface datum, Sept. 9, 1973; lowest, 118.46 ft (36.11 m) below land-surface datum, Apr. 26 and May 1, 1969.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116.44	115.63	116.43	113.06	116.60	112.41	115.08	112.90	113.97	114.09	114.24	113.51
2	115.80	116.08	116.55	113.39	116.24	112.03	114.88	114.17	113.97	114.01	114.24	113.51
3	114.69	115.94	116.50	114.60	116.25	111.75	114.86	114.61	114.06	112.45	114.20	113.52
4	115.69	115.92	116.16	115.82	116.37	113.10	114.75	114.63	112.34	110.59	113.59	112.68
5	115.99	116.08	115.94	115.87	114.20	116.06	114.81	114.60	111.80	112.93	112.13	111.01
6	116.02	116.11	116.48	115.92	112.97	114.05	115.09	114.18	114.07	114.08	111.45	112.51
7	115.20	114.05	116.13	115.86	115.65	111.92	115.05	112.55	114.07	113.63	110.76	113.52
8	115.67	113.54	116.51	116.05	115.85	114.18	114.90	111.50	114.06	114.08	111.26	113.15
9	115.94	115.09	116.75	115.87	115.81	115.69	115.08	113.88	114.07	113.52	111.47	113.51
10	112.67	116.06	116.63	115.86	115.81	115.69	113.10	114.17	114.07	114.08	111.50	113.32
11	114.02	116.08	117.05	116.39	115.79	115.75	112.83	114.50	114.07	114.11	111.52	112.82
12	115.95	116.17	116.68	116.85	115.57	115.29	115.08	113.59	114.07	114.25	111.48	112.81
13	116.07	116.24	116.76	116.83	115.14	114.68	115.36	113.52	114.07	114.25	111.46	113.49
14	115.79	116.06	117.02	115.95	115.63	115.17	114.97	113.93	114.07	114.25	111.47	113.20
15	116.04	116.34	117.07	116.32	115.69	115.58	114.89	113.07	114.07	114.25	111.87	112.83
16	114.23	116.61	117.13	114.36	115.69	115.61	114.86	113.38	114.07	112.53	113.50	113.16
17	111.84	116.47	117.14	113.54	115.72	115.79	112.98	114.02	114.07	110.65	113.51	113.52
18	114.26	116.17	117.15	116.37	115.61	116.04	112.86	114.02	114.07	112.61	113.51	113.47
19	115.69	116.15	117.02	116.77	115.43	114.79	114.59	114.02	113.26	114.22	113.51	113.52
20	115.67	115.98	116.87	116.87	115.21	114.57	114.70	114.02	114.09	114.23	113.51	113.52
21	115.89	115.83	117.15	116.88	116.27	114.72	114.71	113.38	114.09	114.23	113.16	113.44
22	115.97	116.29	116.80	116.75	115.80	115.53	114.84	113.86	114.09	114.23	113.51	113.52
23	115.96	116.46	116.40	116.23	115.59	115.72	115.43	114.04	113.91	114.24	113.51	113.52
24	112.57	116.37	116.42	116.82	115.40	116.05	113.70	114.07	114.08	113.81	113.42	113.52
25	113.07	116.23	115.79	116.97	115.61	116.19	114.38	114.07	112.38	114.22	112.13	113.25
26	115.55	116.66	115.53	117.02	115.59	116.21	114.70	114.07	110.49	114.22	112.42	112.90
27	115.97	116.49	115.69	116.65	113.68	116.24	114.81	114.07	110.62	114.22	112.94	113.40
28	115.26	114.70	115.94	116.13	113.12	115.97	114.75	114.07	114.08	114.23	111.93	113.52
29	114.92	114.30	116.17	116.89	---	115.41	114.76	114.07	114.09	114.24	112.34	113.42
30	113.42	116.30	115.19	116.77	---	115.31	114.81	114.07	114.09	114.24	113.50	112.56
31	112.48	---	113.03	116.47	---	115.19	---	114.00	---	114.24	113.51	---
MEAN	114.99	115.88	116.30	116.00	115.43	114.92	114.58	113.83	113.61	113.70	112.66	113.18
MAX	116.44	116.66	117.15	117.02	116.60	116.24	115.43	114.63	114.09	114.25	114.24	113.52
MIN	111.84	113.54	113.03	113.06	112.97	111.75	112.83	111.50	110.49	110.59	110.76	111.01

WTR YR 1977 MEAN 114.59 HIGH 110.49 LOW 117.15

MONTHLY MEAN HYDROGRAPH



TIME IN MONTHS-

MARLBORO COUNTY

343715079411500. Local number, MLB 112.

LOCATION.--Lat 34°37'15", long 79°41'15", Hydrologic Unit 03040201, near National Guard Armory.

Owner: Town of Bennettville.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 8 in (20.5 cm), depth 345 ft (105.2 m), cased to 320 ft (97.6 m), perforated pipe 220-320 ft (67-97.6 m), screened 320-335 ft (97.6-102 m).

DATUM.--Land-surface datum is 150 ft (45.7 m) above mean sea level. Measuring point: Top of concrete pad, 1.20 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--1972 to current year.

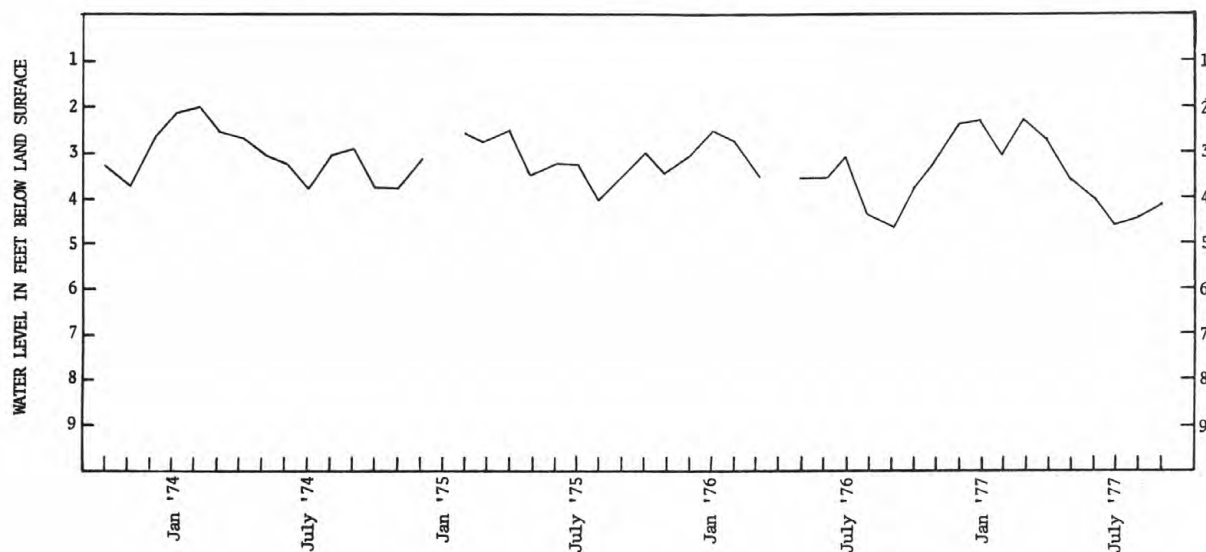
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 0.85 ft (0.26 m) below land-surface datum, Feb. 2, 1973; lowest, 5.05 ft (1.54 m) below land-surface datum, June 7, 1976.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.20	3.53	2.78	2.60	2.67	2.64	2.04	3.16	3.83	4.17	4.91	4.54
2	4.19	3.57	2.80	2.64	2.78	2.67	2.13	3.27	3.77	4.17	4.89	4.52
3	4.21	3.51	2.89	2.70	2.80	2.70	2.15	3.25	3.80	4.19	4.76	4.53
4	4.31	3.52	2.92	2.69	2.74	2.61	2.25	3.27	3.86	4.26	4.68	4.54
5	4.36	3.56	2.97	2.66	2.76	2.51	2.19	3.31	3.89	4.36	4.68	4.53
6	4.37	3.58	3.06	2.68	2.83	2.45	2.21	3.42	3.94	4.39	4.70	4.62
7	4.31	3.57	2.68	2.50	2.94	2.13	2.33	3.42	3.77	4.46	4.74	4.66
8	4.25	3.71	2.51	2.57	2.96	2.27	2.38	3.44	3.92	4.46	4.66	4.56
9	4.05	3.71	2.58	2.52	2.91	2.36	2.48	3.57	3.93	4.50	4.45	4.50
10	4.06	3.72	2.62	1.57	2.91	2.39	2.54	3.61	3.99	4.53	4.41	4.49
11	4.19	3.70	2.61	1.80	2.92	2.44	2.69	3.63	4.01	4.62	4.46	4.55
12	4.23	3.68	2.04	1.86	2.91	2.47	2.76	3.67	4.02	4.60	4.45	4.66
13	4.25	3.68	1.99	1.97	2.89	2.23	2.74	3.67	4.13	4.66	4.47	4.71
14	4.27	3.64	2.19	1.84	3.02	2.37	2.77	3.68	4.11	4.71	4.35	4.68
15	4.25	2.79	1.85	1.70	3.05	2.50	2.82	3.73	4.11	4.69	4.32	4.47
16	4.26	2.57	1.57	1.86	3.03	2.51	2.87	3.84	4.09	4.70	4.30	3.78
17	4.09	2.64	1.76	2.03	3.03	2.57	2.93	3.81	4.12	4.73	4.36	3.60
18	4.06	2.72	1.93	2.11	3.04	2.56	3.06	3.89	4.11	4.83	4.25	3.68
19	4.06	2.80	2.04	2.26	3.02	2.66	3.10	3.89	4.14	4.82	4.17	3.60
20	3.28	2.85	2.12	2.35	3.03	2.31	3.11	3.95	4.26	4.90	4.20	3.67
21	2.97	2.89	2.27	2.43	3.16	2.25	2.96	3.93	4.26	4.94	4.24	3.77
22	3.12	3.06	2.32	2.44	3.18	1.61	2.99	3.92	4.35	4.88	4.34	3.77
23	3.22	3.13	2.34	2.46	3.13	1.76	3.01	3.95	4.22	4.77	4.35	3.78
24	3.27	3.09	2.42	2.49	2.79	1.90	2.75	3.94	4.18	4.82	4.35	3.80
25	3.34	3.09	2.44	2.39	2.71	2.03	2.85	3.81	3.88	4.93	4.27	3.82
26	3.28	3.10	2.12	2.43	2.78	2.13	2.99	3.69	3.92	4.96	4.28	3.90
27	3.31	3.01	2.28	2.46	2.68	2.22	3.01	3.66	4.03	4.89	4.29	3.94
28	3.36	2.85	2.38	2.57	2.54	2.36	3.05	3.59	4.14	4.90	4.32	3.99
29	3.39	2.65	2.45	2.59	---	2.21	3.14	3.65	4.18	4.88	4.40	4.01
30	3.39	2.76	2.50	2.61	---	2.07	3.13	3.77	4.23	4.85	4.44	3.98
31	3.37	---	2.51	2.64	---	1.87	---	3.78	---	4.88	4.50	---
MEAN	3.84	3.22	2.38	2.33	2.90	2.31	2.71	3.65	4.03	4.65	4.45	4.18
MAX	4.37	3.72	3.06	2.70	3.18	2.70	3.14	3.95	4.35	4.96	4.91	4.71
MIN	2.97	2.57	1.57	1.57	2.54	1.61	2.04	3.16	3.77	4.17	4.17	3.60

WTR YR 1977 MEAN 3.39 HIGH 1.57 LOW 4.96

MONTHLY MEAN HYDROGRAPH



TIME IN MONTHS-

RICHLAND COUNTY

340335080583501. Local number, RIC 40.

LOCATION.--Lat 34°03'35", long 80°58'35", Hydrologic Unit 03050110, on Shakespeare Road in Dentsville, North of Columbia.

Owner: Shakespeare Manufacturing Co.

AQUIFER.--Sands of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in (15.38 cm), depth 245 ft (74.7 m), cased to 233 ft (71 m), screened 98-105 ft (30-32 m).

DATUM.--Land-surface datum is 390 ft (119 m) above mean sea level. Measuring point: Top of casing, 0.37 ft (0.11 m) above land-surface datum.

PERIOD OF RECORD.--1949-52, 1957 to current year.

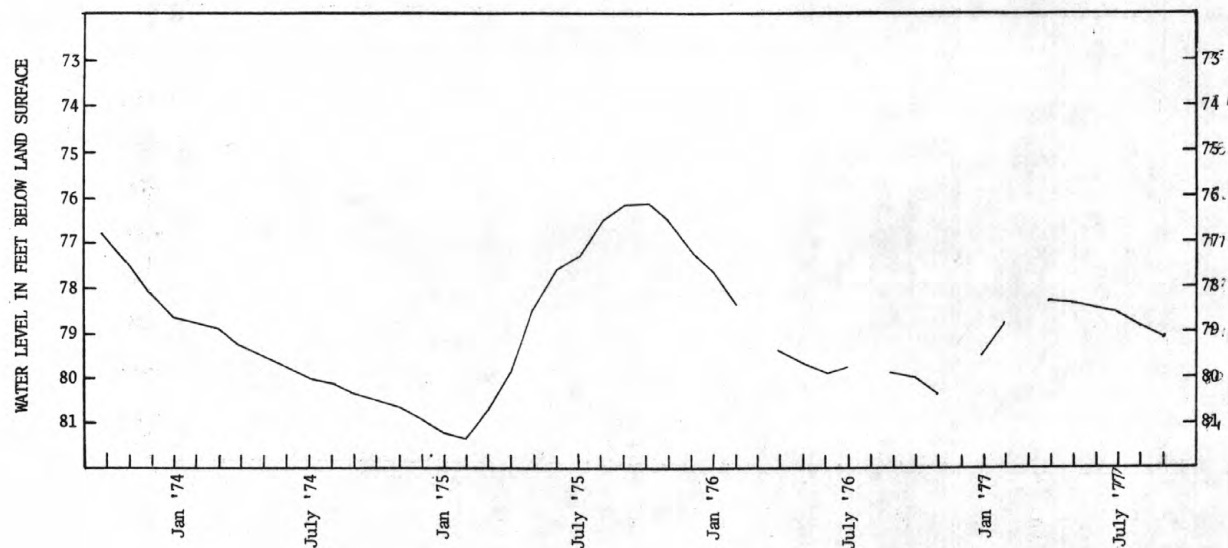
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.03 ft (23.17) below land-surface datum, Oct. 17, 1975; lowest, 84.28 ft (25.69 m) below land-surface datum, May 16, 1952.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79.97	---	80.38	---	79.17	78.64	---	78.21	78.42	78.53	78.83	79.13
2	79.99	---	---	---	79.17	---	---	78.18	78.46	78.51	78.87	79.15
3	80.07	---	---	---	79.05	---	---	78.17	78.54	78.49	78.88	79.13
4	80.06	---	---	---	78.97	---	---	78.16	78.55	78.46	78.92	79.10
5	79.99	---	---	79.89	79.00	---	---	78.16	78.47	78.42	78.92	79.10
6	79.98	---	---	79.87	79.09	---	---	78.20	78.39	78.41	78.88	79.14
7	79.98	---	---	79.83	79.07	---	---	78.18	78.51	78.42	78.84	79.16
8	79.96	---	---	79.88	79.03	---	---	78.17	78.56	78.48	78.86	79.17
9	80.09	---	---	79.77	79.00	---	---	78.20	78.55	78.51	78.88	79.20
10	80.12	---	---	79.77	78.97	---	---	78.28	78.61	78.51	78.91	79.20
11	80.05	---	---	79.91	78.92	---	---	78.32	78.57	78.53	78.91	79.22
12	79.98	---	---	79.86	78.84	---	---	78.31	78.54	78.57	78.90	79.25
13	80.03	---	---	79.82	78.78	---	---	78.27	78.61	78.61	78.88	79.24
14	80.03	---	---	79.65	78.82	---	---	78.25	78.63	78.62	78.87	79.27
15	80.07	---	---	79.66	78.80	---	---	78.30	78.61	78.63	78.90	79.33
16	80.14	---	---	79.64	78.82	---	---	78.38	78.62	78.64	78.91	79.32
17	---	---	---	79.64	78.83	---	---	78.36	78.60	78.64	78.89	79.29
18	80.11	---	---	79.53	78.76	---	---	78.34	78.52	78.66	78.91	79.26
19	80.07	---	---	79.54	78.70	---	---	78.35	78.49	78.66	78.93	79.27
20	79.95	---	---	79.49	78.68	---	78.28	78.36	78.48	78.66	78.94	79.32
21	80.00	---	---	79.50	78.72	---	78.30	78.39	78.56	78.66	78.93	79.36
22	80.03	---	---	79.48	78.69	---	78.24	78.40	78.62	78.70	78.93	79.39
23	80.00	80.38	---	79.42	78.67	---	78.15	78.39	78.64	78.73	78.97	79.39
24	79.92	80.36	---	79.32	78.57	---	78.08	78.36	78.64	78.73	78.99	79.36
25	79.83	80.33	---	79.31	78.68	---	78.10	78.33	78.60	78.72	79.04	79.35
26	79.88	80.27	---	79.29	78.65	---	78.18	78.35	78.59	78.76	79.06	79.38
27	79.99	80.25	---	79.24	78.58	---	78.22	78.38	78.60	78.80	79.07	79.41
28	79.86	80.23	---	79.18	78.64	---	78.19	78.37	78.58	78.82	79.06	79.49
29	79.93	80.32	---	79.25	---	---	78.22	78.40	78.58	78.78	79.07	79.54
30	79.93	80.42	---	79.19	---	---	78.23	78.44	78.58	78.78	79.07	79.56
31	79.99	---	---	79.16	---	---	---	78.45	---	78.80	79.10	---
MEAN	80.00	80.32	---	79.55	78.84	---	78.19	78.30	78.55	78.62	78.93	79.28
MAX	80.14	80.42	---	79.91	79.17	---	78.30	78.45	78.64	78.82	79.10	79.56
MIN	79.83	80.23	---	79.16	78.57	---	78.08	78.16	78.39	78.41	78.83	79.10

WTR YR 1977 MEAN 79.01 HIGH 78.08 LOW 80.42

MONTHLY MEAN HYDROGRAPH



TIME IN MONTHS-

RICHLAND COUNTY

340540081021508. Local number, RIC 309.

LOCATION.--Lat 34°05'40", long 81°02'15", Hydrologic Unit 03050106, at Lincolnshire subdivision north of Columbia on U.S. Highway 321.

Owner: Heater Utilities

AQUIFER.--Fractures in crystalline rock.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 6 in (15.2 cm), depth 300 ft (91.4 m), cased to 90 ft (27 m), open hole below casing.

DATUM.--Land-surface datum is 260 ft (79 m) above mean sea level. Measuring point: Top of casing, 0.57 ft (0.17 m) above land-surface datum.

PERIOD OF RECORD.--1972-June 1975. Recorder replaced Sept. 1976 through current year.

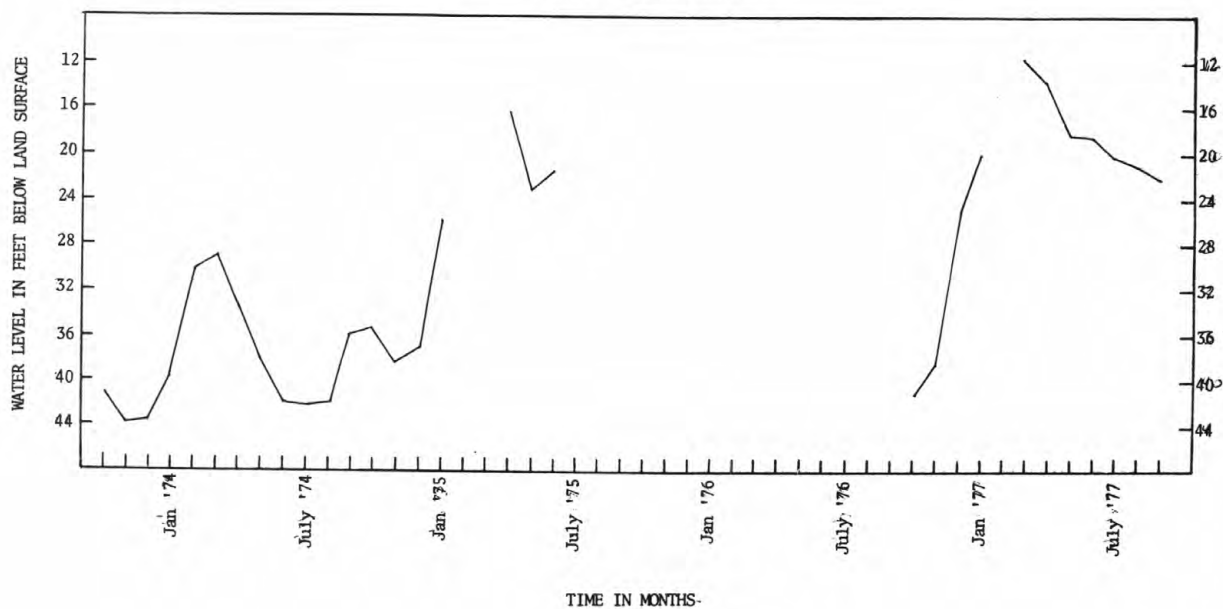
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 7.89 ft (2.40 m), below land-surface datum, Mar. 12, 1973; lowest, 44.83 ft (13.66 m) below land-surface datum, Dec. 30, 1973.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	41.11	31.46	24.91	---	---	11.85	16.92	17.58	19.29	21.10	21.64
2	---	41.02	31.84	25.24	---	---	12.15	16.90	17.61	19.35	21.17	21.66
3	---	41.22	32.20	25.24	---	---	12.42	17.10	17.82	19.43	21.05	21.65
4	---	41.14	32.50	25.30	---	---	12.16	17.28	17.96	19.50	21.10	21.64
5	---	41.15	33.50	25.40	---	---	12.05	17.52	17.92	19.50	21.14	21.61
6	---	41.13	34.01	25.51	---	---	12.21	18.23	17.76	19.51	21.13	21.67
7	---	41.53	30.17	24.92	---	---	12.31	19.63	17.87	19.57	21.12	21.73
8	---	41.97	28.87	24.40	---	---	12.49	19.53	18.05	19.68	21.10	21.74
9	---	41.77	29.38	23.76	---	---	13.16	19.31	18.09	19.79	21.12	21.83
10	---	41.49	29.60	18.06	---	---	13.24	19.95	18.27	19.90	21.18	22.10
11	---	41.36	29.40	17.20	---	---	13.03	20.86	18.30	19.97	21.23	22.14
12	---	41.40	23.79	17.28	---	---	13.15	20.81	18.32	20.01	21.25	22.36
13	---	41.59	20.81	17.46	---	---	13.22	19.86	18.51	20.09	21.27	22.47
14	---	41.99	21.17	17.21	---	---	13.32	19.19	18.61	20.13	21.30	22.55
15	---	35.93	19.65	17.10	---	---	13.41	18.81	18.64	20.20	21.35	22.78
16	---	32.90	17.13	17.30	---	13.13	14.06	18.68	18.62	20.29	21.37	22.56
17	---	34.14	17.81	17.62	---	13.23	14.46	18.42	18.65	20.36	21.35	22.12
18	42.28	35.21	18.60	17.74	---	12.93	14.36	18.20	18.66	20.43	21.35	21.91
19	42.17	35.99	19.82	17.93	---	13.70	14.35	18.06	18.68	20.50	21.35	21.86
20	39.99	36.52	20.74	18.07	---	13.87	14.50	17.98	18.66	20.55	21.42	21.86
21	38.48	37.29	21.22	18.26	---	13.38	14.71	17.97	18.76	20.60	21.49	22.11
22	39.63	38.18	22.10	18.43	---	9.34	14.79	17.94	18.87	20.66	21.49	22.42
23	40.15	38.07	22.31	18.52	---	9.77	14.78	17.88	18.90	20.77	21.52	22.76
24	40.72	38.06	23.00	18.29	---	10.38	14.89	17.79	18.94	20.83	21.54	23.01
25	41.12	38.30	23.56	18.15	---	10.78	14.82	17.65	18.92	20.82	21.63	23.18
26	41.51	38.88	23.26	18.24	---	11.60	15.20	17.56	18.97	20.88	21.69	23.33
27	41.55	38.55	23.29	17.72	---	12.06	15.87	17.53	19.05	20.98	21.62	23.46
28	41.20	38.08	23.34	16.95	---	11.83	16.17	17.44	19.11	21.07	21.64	23.60
29	40.94	31.30	23.72	16.84	---	11.65	16.26	17.50	19.18	21.02	21.63	23.77
30	40.59	30.77	24.22	---	---	11.59	16.57	17.61	19.25	20.95	21.59	23.85
31	40.76	---	24.44	---	---	11.64	---	17.65	---	21.00	21.60	---
MEAN	40.79	38.60	25.07	19.96	---	11.93	13.86	18.31	18.48	20.24	21.35	22.37
MAX	42.28	41.99	34.01	25.51	---	13.87	16.57	20.86	19.25	21.07	21.69	23.85
MIN	38.48	30.77	17.13	16.84	---	9.34	11.85	16.90	17.58	19.29	21.05	21.61

WTR YR 1977 MEAN 22.36 HIGH 9.34 LOW 42.28

MONTHLY MEAN HYDROGRAPH



GROUND-WATER LEVELS

SPARTANBURG COUNTY

345930081591000. Local number, SP 297 Spartanburg.

LOCATION.--Lat 34°59'30", long 81°59'10", Hydrologic Unit 03050105, .5 mi northwest of intersection of U.S. 85 and S.C. 56 off S.C. 56 on Geddes St.

Owner: Metro. Subdistrict B Water Works.

AQUIFER.--Metamorphic rock of Paleozoic to Precambrian age.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 6 in (15.38 cm), depth 442 ft (134.7 m), cased to 51 ft (15.5 m), open hole below casing.

DATUM.--Land-surface datum is 880 ft (268 m) above mean sea level. Measuring point: Top of casing, 0.97 ft (0.30 m) above land-surface datum.

REMARKS.--Formerly listed as SP 298.

PERIOD OF RECORD.--1973 to current year.

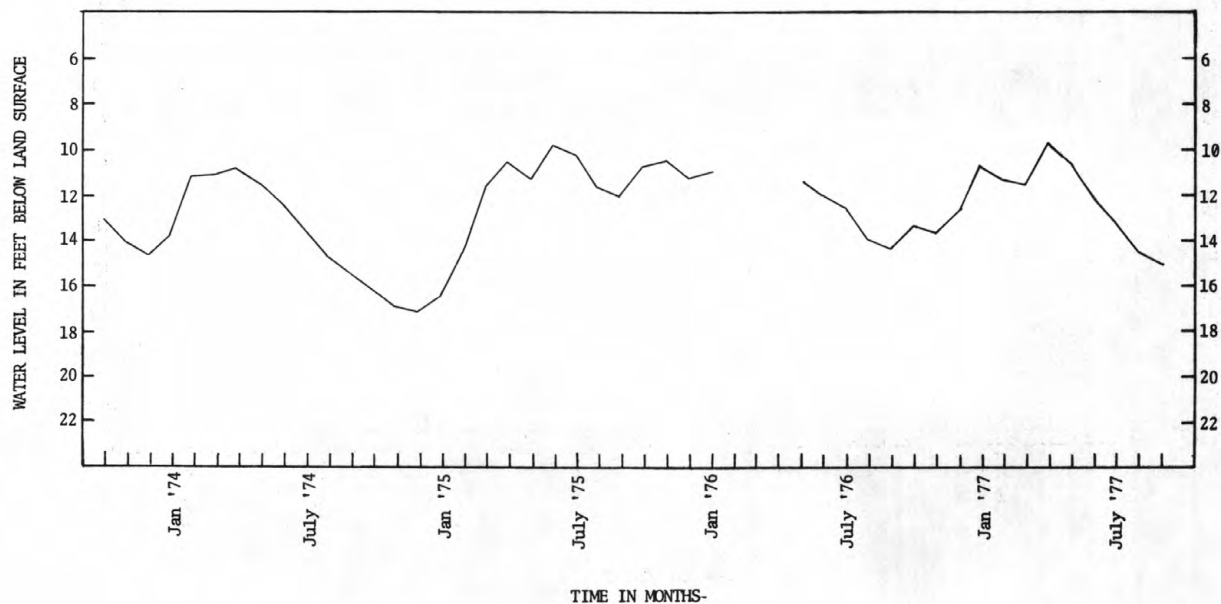
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.77 ft (1.75 m) below land-surface datum, Apr. 9, 1973; lowest, 17.34 ft (5.29 m) below land-surface datum, Dec. 13, 14, 1974.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.00	---	13.73	11.34	10.89	11.94	10.48	10.13	11.50	12.71	13.96	15.16
2	13.96	---	13.68	11.29	10.96	11.99	10.33	10.16	11.56	12.74	14.01	15.19
3	13.95	---	13.70	11.18	10.92	11.96	10.20	10.15	11.62	12.78	14.05	15.21
4	13.95	---	13.69	11.18	10.89	11.89	9.95	10.14	11.68	12.81	14.08	15.24
5	13.94	---	13.71	11.21	10.99	11.96	9.75	10.13	11.70	12.83	14.10	15.27
6	13.92	---	13.67	11.23	11.13	11.97	9.68	10.16	11.71	12.86	14.14	15.31
7	13.90	---	13.37	11.18	11.18	11.93	9.61	10.19	11.79	12.88	14.17	15.32
8	13.73	---	13.31	11.25	11.20	11.90	9.53	10.24	11.85	12.92	14.21	15.24
9	13.30	---	13.33	11.22	11.22	11.85	9.60	10.36	11.88	12.96	14.24	15.20
10	13.18	---	13.24	11.06	11.26	11.83	9.60	10.45	11.94	13.00	14.27	15.21
11	13.09	---	13.18	11.07	11.29	11.82	9.61	10.52	11.99	13.04	14.32	15.25
12	13.03	---	13.09	10.95	11.31	11.77	9.59	10.55	12.02	13.08	14.36	15.28
13	12.95	---	13.04	10.88	11.30	11.68	9.52	10.57	12.08	13.13	14.39	15.29
14	12.92	---	12.98	10.71	11.38	11.72	9.47	10.60	12.14	13.16	14.42	15.30
15	12.92	---	12.78	10.65	11.45	11.75	9.49	10.67	12.17	13.20	14.44	15.33
16	12.91	13.58	12.57	10.59	11.61	11.76	9.55	10.75	12.22	13.24	14.42	15.26
17	12.91	13.57	12.47	10.57	11.68	11.78	9.66	10.77	12.26	13.28	14.43	15.15
18	12.96	13.57	12.43	10.47	11.67	11.70	9.67	10.85	12.29	13.32	14.46	15.11
19	12.95	13.59	12.31	10.50	11.67	11.81	9.67	10.90	12.33	13.38	14.45	15.11
20	12.87	13.61	12.18	10.47	11.71	11.81	9.71	10.95	12.35	13.44	14.48	15.13
21	---	13.66	12.21	10.51	11.79	11.85	9.74	11.01	12.40	13.51	14.54	15.16
22	---	13.74	12.15	10.53	11.83	11.60	9.76	11.06	12.45	13.56	14.56	15.18
23	---	13.78	12.03	10.53	11.86	11.50	9.79	11.12	12.47	13.61	14.61	15.21
24	---	13.80	12.01	10.48	11.80	11.44	9.81	11.15	12.50	13.64	14.68	15.25
25	---	13.83	11.85	10.52	11.90	11.41	9.91	11.15	12.50	13.67	14.75	15.26
26	---	13.85	11.67	10.57	11.93	11.40	10.01	11.20	12.53	13.72	14.91	15.28
27	---	13.86	11.62	10.59	11.93	11.41	10.08	11.25	12.57	13.81	14.96	15.29
28	---	13.83	11.49	10.62	11.94	11.37	10.08	11.29	12.61	13.85	15.00	15.32
29	---	13.77	11.44	10.73	---	11.38	10.11	11.36	12.65	13.86	15.02	15.35
30	---	13.76	11.44	10.77	---	11.04	10.14	11.43	12.69	13.88	15.08	15.37
31	---	---	11.34	10.82	---	10.60	---	11.48	---	13.92	15.14	---
MEAN	13.36	13.72	12.63	10.82	11.45	11.67	9.80	10.73	12.14	13.28	14.47	15.24
MAX	14.00	13.86	13.73	11.34	11.94	11.99	10.48	11.48	12.69	13.92	15.14	15.37
MIN	12.87	13.57	11.34	10.47	10.89	10.60	9.47	10.13	11.50	12.71	13.96	15.11

WTR YR 1977 MEAN 12.36 HIGH 9.47 LOW 15.37

MONTHLY MEAN HYDROGRAPH



SUMTER COUNTY

335602080204800. Local number, SU 69.

LOCATION.--Lat 33°56'02", long 80°20'48", Hydrologic Unit 03040205, at Sumter municipal well field.

Owner: City of Sumter.

AQUIFER.--sands of Black Creek Formation.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 18 in (46.2 cm) to 248 ft (75.6 m), 8 in (20.5 cm) from 208 ft (63.4 m) to 618 ft (188.4 m), depth 805 ft (245.4 m), cased to 618 ft (188.4 m), screened 525-608 ft (160-185 m), gravel packed.

DATUM.--Land-surface datum is 176 ft (53.7 m) above mean sea level. 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.

PERIOD OF RECORD.--1970 to current year.

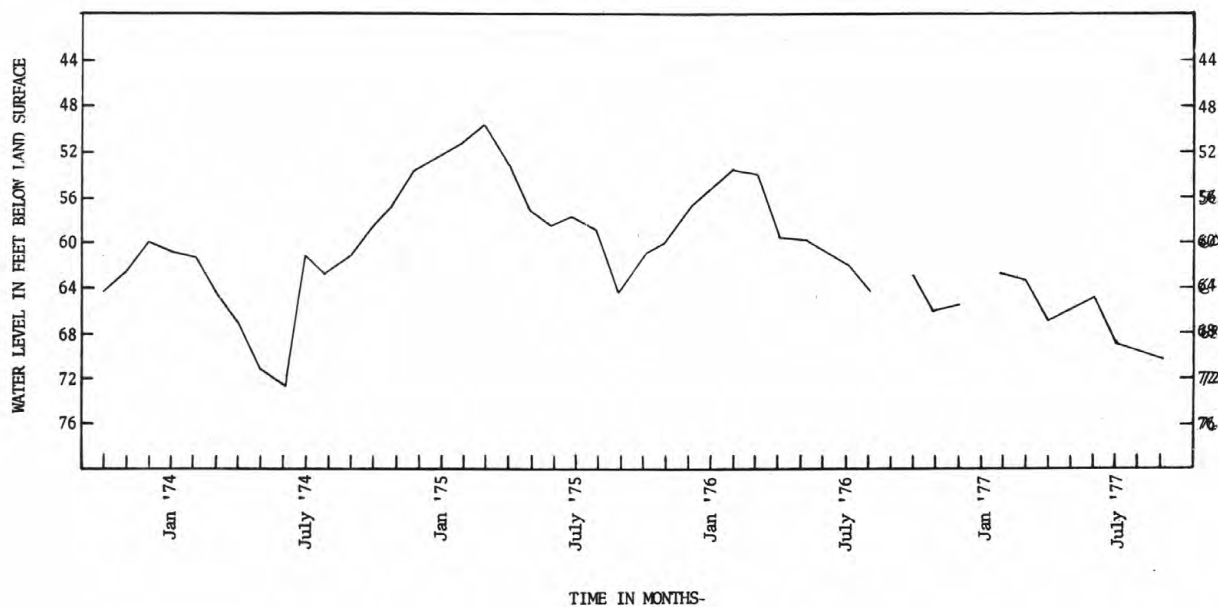
EXTREMES FOR PERIOD OF RECORD.--Highest water level measuring 40.57 ft (12.37 m) below land-surface datum, Oct. 29, 1971; lowest, 77.81 ft (23.72 m) below land-surface datum, June 28, 1974.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65.58	61.57	67.39		---	63.83	68.07	60.46	63.29	69.06	68.10	71.85
2	60.42	64.47	67.67		---	64.77	66.15	61.85	63.10	67.63	71.39	73.37
3	60.26	67.93	68.61		---	63.98	64.57	66.17	64.21	66.70	70.68	70.88
4	60.31	67.41	66.80		---	63.72	65.43	67.81	65.25	65.18	69.01	68.21
5	60.31	69.05	64.20		---	62.44	66.82	68.48	64.05	64.61	67.77	67.52
6	60.32	67.21	65.37		---	60.74	68.59	69.14	65.05	68.04	68.14	67.22
7	60.32	63.93	67.35		---	62.79	70.40	67.81	65.86	68.94	66.26	70.90
8	---	63.89	66.97		---	62.20	70.44	62.80	64.42	68.47	65.30	70.82
9	---	66.83	67.50		---	64.17	68.57	61.88	65.57	68.57	69.04	72.29
10	---	68.38	69.20		---	64.50	65.65	66.89	66.79	66.64	71.92	70.20
11	---	68.45	66.17		---	65.35	64.05	68.67	65.32	67.02	73.73	69.24
12	---	69.62	61.83		---	63.26	66.31	69.55	63.90	68.83	73.24	69.38
13	---	65.42	64.28		---	59.49	67.06	70.26	64.17	71.20	71.91	70.67
14	---	61.73	67.49		---	60.21	67.54	69.68	64.48	73.74	67.92	72.48
15	---	64.57	68.18		---	63.99	67.58	69.39	65.22	73.79	66.32	72.46
16	---	68.07	67.55		---	65.77	65.31	67.06	64.78	72.34	66.88	71.44
17	---	69.10	67.67		66.82	66.14	64.72	69.92	63.80	70.17	67.04	68.32
18	---	69.77	66.48		65.65	65.80	64.68	70.86	63.69	69.43	69.53	64.56
19	---	69.23	62.76		64.37	62.82	68.00	71.03	61.06	72.30	70.00	65.29
20	---	66.71	63.30		58.76	63.78	67.51	67.58	63.04	74.40	69.54	68.82
21	---	63.47	67.34		58.19	62.68	69.72	66.29	66.48	77.16	68.12	71.16
22	---	65.66	68.05		64.12	63.18	68.26	62.70	65.72	76.10	69.08	71.86
23	---	66.95	69.34		64.11	65.27	66.54	63.73	66.28	67.48	73.30	72.68
24	---	67.79	67.47		64.09	65.54	61.49	64.09	66.36	64.67	72.87	71.73
25	---	66.30	63.98		64.61	65.94	63.63	63.08	63.73	67.56	73.50	67.52
26	66.64	63.17	62.13		62.84	64.35	66.96	64.06	60.51	67.53	72.94	67.94
27	64.49	62.78	62.97		60.20	59.65	68.02	65.06	61.66	65.75	71.08	72.99
28	65.06	61.46	62.43		63.54	59.52	69.25	64.92	65.27	67.00	68.87	74.53
29	66.99	63.54	62.13		---	65.25	67.73	61.02	67.21	69.55	69.08	72.53
30	65.05	65.95	59.10		---	65.48	64.96	60.77	68.28	67.48	71.25	72.16
31	61.53	---	---		---	66.57	---	61.62	---	65.15	71.92	---
MEAN	62.86	66.01	65.72		63.10	63.65	66.80	65.95	64.61	69.11	69.86	70.36
MAX	66.99	69.77	69.34		66.82	66.57	70.44	71.03	68.28	77.16	73.73	74.53
MIN	60.26	61.46	59.10		58.19	59.49	61.49	60.46	60.51	64.61	65.30	64.56

WTR YR 1977 MEAN 66.57 HIGH 58.19 LOW 77.16

MONTHLY MEAN HYDROGRAPH



GROUND-WATER LEVELS

YORK COUNTY

350150081012500. Local number, YK 147.

LOCATION.--Lat 35°01'50", long 81° 01'25", Hydrologic Unit 03050101, at Fort Mill on Lake Wiley.

Owner: Tega Cay Development.

AQUIFER.--Rock of Paleozoic to Precambrian age.

WELL CHARACTERISTICS.--Drilled unused privately owned public supply water table well, diameter 8 in (20.5 cm), depth 700 ft (213.4 m), cased to 50 ft (15 m), open hole below casing.

DATUM.--Land-surface datum is 600 ft (183 m) above mean sea level. Measuring point: Top of casing, 0.75 ft (0.23 m) above land-surface datum.

PERIOD OF RECORD.--1972 to current year.

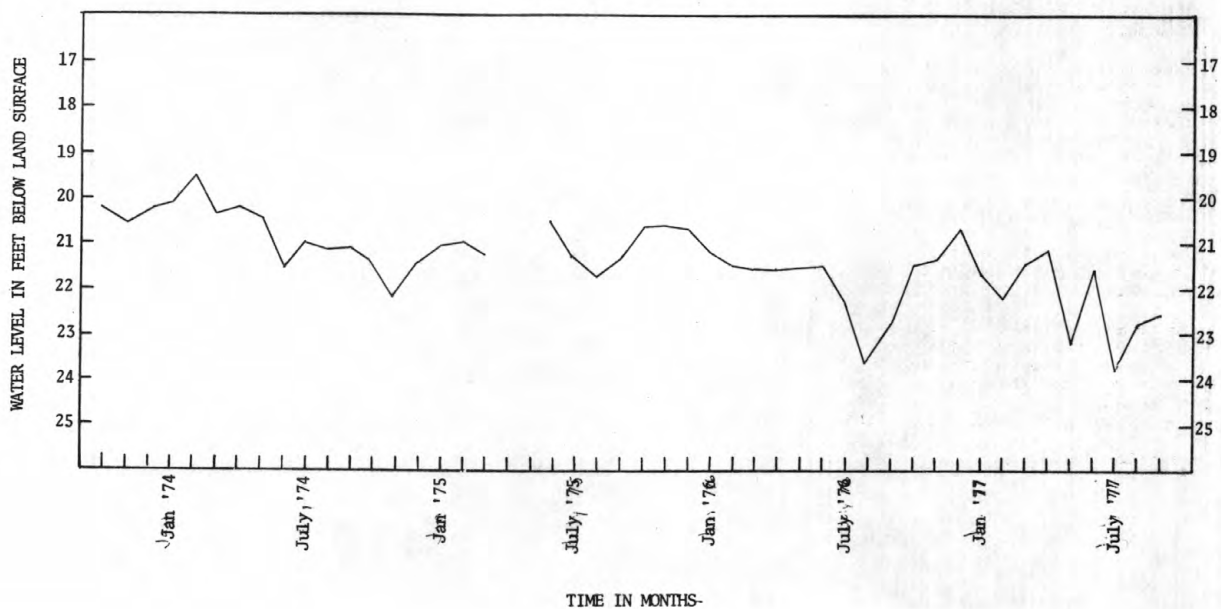
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.59 ft (5.67 m) below land-surface datum, Apr. 8, 1973; lowest, 25.23 ft (7.69 m) below land-surface datum, Jul. 27, 1977.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.05	21.53	21.05	21.42	22.64	21.78	20.56	22.08	21.65	21.45	23.70	22.84
2	21.98	21.51	20.99	21.48	22.75	21.80	20.42	22.06	21.49	21.54	23.63	23.05
3	21.94	21.39	21.02	21.44	22.66	21.73	20.35	22.03	21.41	21.61	23.44	23.31
4	21.92	21.32	20.94	21.47	22.50	21.63	20.29	22.03	21.40	21.66	23.23	23.59
5	21.91	21.38	20.97	21.50	22.43	21.68	20.31	22.04	21.37	21.73	22.99	23.94
6	21.89	21.38	20.98	21.51	22.48	21.65	20.46	22.12	21.38	21.85	22.73	24.26
7	22.03	21.32	20.64	21.49	22.46	21.60	20.48	22.19	21.57	22.10	22.52	24.43
8	22.07	21.37	20.54	21.54	22.43	21.63	20.39	22.34	21.78	22.51	22.46	24.28
9	21.56	21.36	20.63	21.48	22.36	21.60	20.48	22.57	21.81	22.98	22.55	24.01
10	21.42	21.34	20.57	21.36	22.30	21.59	20.49	22.95	21.82	23.41	22.64	23.68
11	21.27	21.40	20.52	21.39	22.24	21.61	20.51	23.24	21.76	23.83	22.75	23.35
12	21.20	21.40	20.42	21.28	22.15	21.59	20.51	23.45	21.76	24.19	22.92	23.10
13	21.03	21.49	20.43	21.27	22.05	21.46	20.51	23.58	21.94	24.46	23.08	22.86
14	20.93	21.45	20.50	21.15	22.09	21.47	20.51	23.67	22.08	24.60	23.26	22.68
15	20.95	21.37	20.41	21.23	22.11	21.45	20.60	23.83	22.10	24.73	23.51	22.61
16	20.99	21.41	20.25	21.36	22.15	21.50	20.85	24.10	22.04	24.66	23.58	22.45
17	21.04	21.37	20.21	21.51	22.17	21.56	21.06	24.28	21.93	24.54	23.52	22.11
18	21.22	21.32	20.36	21.51	22.24	21.45	21.35	24.36	21.77	24.54	23.33	21.79
19	21.32	21.30	20.48	21.61	22.25	21.54	21.63	24.50	21.68	24.58	23.10	21.60
20	21.22	21.32	20.54	21.74	22.21	21.49	21.88	24.72	21.58	24.65	22.81	21.49
21	21.28	21.37	20.76	21.99	22.17	21.48	22.01	24.81	21.57	24.77	22.55	21.46
22	21.34	21.53	20.89	22.25	22.18	21.28	22.08	24.65	21.54	24.89	22.30	21.48
23	21.41	21.61	20.95	22.42	22.17	21.23	22.04	24.32	21.52	25.12	22.18	21.48
24	21.46	21.59	21.07	22.47	22.00	21.15	21.96	23.93	21.48	25.09	22.17	21.48
25	21.44	21.61	21.09	22.52	22.02	21.19	21.95	23.52	21.32	25.08	22.18	21.50
26	21.52	21.58	21.01	22.53	21.98	21.18	21.99	23.14	21.23	25.21	22.11	21.57
27	21.68	21.54	21.05	22.56	21.85	21.20	22.01	22.80	21.21	25.23	22.09	21.67
28	21.75	21.43	21.05	22.55	21.81	21.18	21.97	22.43	21.21	24.99	22.13	21.75
29	21.69	21.26	21.15	22.56	---	21.18	22.01	22.16	21.28	24.69	22.23	21.77
30	21.55	21.20	21.31	22.54	---	20.87	22.07	21.99	21.39	24.34	22.38	21.75
31	21.44	---	21.30	22.55	---	20.63	---	21.86	---	23.95	22.60	---
MEAN	21.50	21.41	20.77	21.79	22.24	21.43	21.12	23.15	21.60	23.83	22.79	22.57
MAX	22.07	21.61	21.31	22.56	22.75	21.80	22.08	24.81	22.10	25.23	23.70	24.43
MIN	20.93	21.20	20.21	21.15	21.81	20.63	20.29	21.86	21.21	21.45	22.09	21.46

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MONTHLY MEAN HYDROGRAPH



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FACTORS FOR CONVERTING U.S. CUSTOMARY UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

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

Multiply U.S. customary 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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