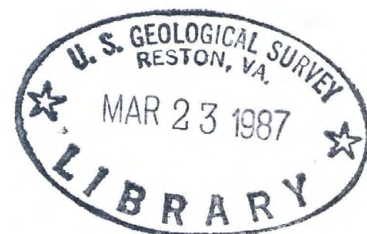


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1985



Water Resources Data Alabama Water Year 1985



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AL-85-1

Prepared in cooperation with the Alabama Department of Environmental Management, the Alabama Highway Department, the Geological Survey of Alabama, and with other State, municipal, and Federal agencies

CALENDAR FOR WATER YEAR 1985

1984

O C T O B E R							N O V E M B E R							D E C E M B E R						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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1985

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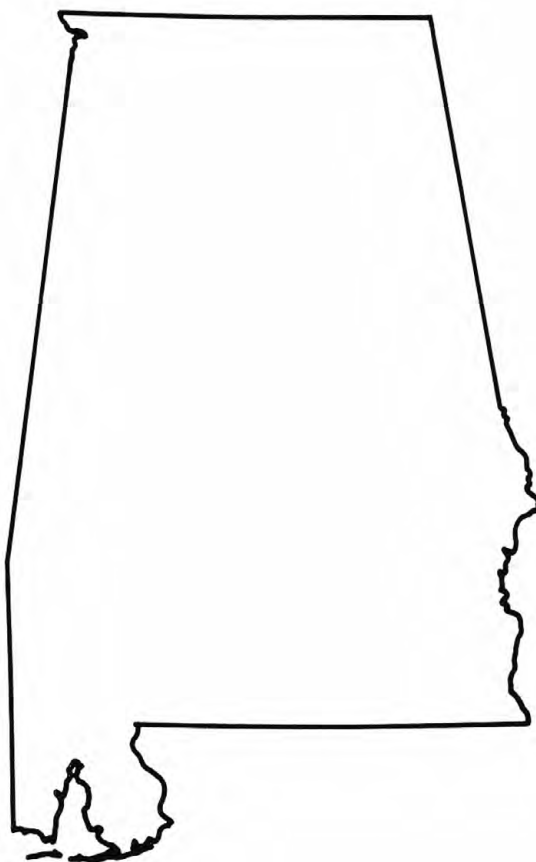
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							25	26	27	28	29	30	31							



Water Resources Data Alabama

Water Year 1985

by H.C. Rollins, F.C. Sedberry, T.R. Duvall, F.D. Byrd



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AL-85-1

Prepared in cooperation with the Alabama Department of
Environmental Management, the Alabama Highway
Department, the Geological Survey of Alabama,
and with other State, municipal, and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas Peck, Director

For information on the water program in Alabama write to
District Chief, Water Resources Division
U.S. Geological Survey
520 19th Avenue
Tuscaloosa, Alabama 35401

1986

PREFACE

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

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

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This report was prepared in cooperation with the State of Alabama and with other agencies under the general supervision of C. A. Pascale, District Chief, and J. L. Cook, Regional Hydrologist, Southeastern Region.

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16. Abstract (Limit: 200 words) Water resources data for the 1985 water year for Alabama consist of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and water levels in wells. This report includes records on both surface and ground water in the State. Specifically, it contains: (1) Discharge records for 86 streamflow-gaging stations, for 62 partial-record or miscellaneous streamflow stations, and for 4 crest-stage or partial-record streamflow stations; (2) stage and content records for 13 lakes and reservoirs and stage at 27 stations; (3) water-quality records for 22 streamflow-gaging stations, for 66 ungaged streamsites, and for 7 wells; and (4) water-level records for 62 observation wells. Discharge records for a few pertinent stations in bordering States are also included in this report.				
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WATER RESOURCES DATA FOR ALABAMA, 1985

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State and Federal agencies, obtains a large amount of data pertaining to the water resources of Alabama each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Alabama."

This report includes records on both surface and ground water in the State. Specifically, it contains: (1) Discharge records for 86 streamflow-gaging stations, for 62 partial-record or miscellaneous streamflow stations, and for 4 crest-stage or partial-record streamflow stations; (2) stage and content records for 13 lakes and reservoirs and stage at 27 stations; (3) water-quality records for 22 streamflow-gaging stations, for 66 ungaged streamsites, and for 7 wells; and (4) water-level records for 62 observation wells. Discharge records for a few pertinent stations in bordering States are also included in this report.

This series of annual reports for Alabama began with the 1961 water year with a report that contained only data relating to the quantities of surface water. 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, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels.

Prior to introduction of this series and for several years concurrent with it, water-resources data for Alabama were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States." For the 1961 through 1970 years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from Distribution Branch, Text Products Section, U.S. Geological Survey, 604 South Pickett Street, Alexandria, VA 22304.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have 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 volume is identified as "U.S. Geological Survey Water-Data Report AL-85-1." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the district chief at the address given on the back of the title page or by telephone (205) 752-8104.

COOPERATION

The U.S. Geological Survey and organizations of the State of Alabama have had cooperative agreements for the systematic collection of streamflow records since 1900. Cooperative agreements between the U.S. Geological Survey and the Geological Survey of Alabama for collection of streamflow records have been continuous since 1935. There have been cooperative agreements for the collection of ground-water level records since 1940, and for the collection of water-quality records since 1962. Organizations that assisted in collecting data for this report through cooperative agreements with the Survey are:

Alabama Department of Conservation - J. W. Graham, Director
Alabama Department of Environmental Management - Leigh Pegues, Director
Alabama Highway Department - R. D. Bass, Director
Alabama Power Company
Alabama Surface Mining Commission - Virgel Willett, Director
Bureau of Land Management, U.S. Department of the Interior
City of Birmingham, Waterworks Board - C. D. Cooley, Director
City of Tuscaloosa - A. P. DuPont, Mayor
Geological Survey of Alabama - E. A. Mancini, State Geologist
Jefferson County Commission - C. H. Doss, President
Tennessee Valley Authority
Corps of Engineers, U.S. Army

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow during the 1985 water year was below normal for most of Alabama. Annual runoff at two index stations ranged from 48 to 72 percent of median for the reference period 1951-80. Monthly and annual mean discharge is compared with medians at two representative gaging stations in figure 2.

Streamflow in October and November was deficient (lower 25 percent of long-term record) in southern Alabama and excessive (upper 75 percent of long-term record) throughout the remainder of the State. Streamflow was normal throughout the State in December. Cumulative streamflow for January through September was deficient over the entire State. The lowest monthly mean for June and July for the period of record occurred at the Conecuh River station.

Chemical quality of surface water is generally good throughout the State. Dissolved-solids concentrations of water in streams in 1985 were typically less than 200 mg/L except for streams in west-central Alabama where concentrations occasionally exceed 500 mg/L. The pH of water in most streams was near 7.0 and the dissolved oxygen was seldom below 4.0 mg/L. Trace constituent concentrations were low; when compared to previous years data, no significant differences were observed. Suspended-sediment concentrations were low except during periods of high streamflow.

Ground-water levels generally followed long-term trends throughout the year. There was a general decline in water levels in most wells following the high level period of February and March. New record low water levels were recorded at two wells tapping aquifers of Paleocene age and two tapping aquifers of Cretaceous age. Figure 3 shows the lowest and highest monthly low water levels during water year 1985 with the highest and lowest monthly low water levels for the period of record for two observation wells.

The quality of ground water in Alabama varies between aquifers and within aquifers, but most of the State is underlain by one or more aquifers that can supply water suitable for most uses with little or no treatment. Dissolved-solids concentrations of water pumped from most aquifers are less than 500 mg/L. pH ranges from slightly less than 5.0 in Miocene aquifers to almost 9.0 in some areas producing from the Tuscaloosa Group. Iron in solution is the most common problem in ground water in the State. This is particularly true of wells producing from the Coker, Gordo, and Pottsville Formations. High chloride concentrations are present in water produced from all Coastal Plain aquifers underlying the Black Warrior River in an area extending from southern Tuscaloosa County to northern Marengo County.

Quality of precipitation in Alabama varies considerably between storms. Specific conductance values ranged from 1.7 to 102 microsiemens, pH from 3.1 to 5.9, and sulfates from <0.03 to 8.3 mg/L. The three quality of precipitation stations are located in rural areas in the northern, central, and southern sections of Alabama.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 57 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. The 500 or so sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

The National Trends Network (NTN) is a 150-station network for sampling atmospheric deposition in the United States. The purpose of the network is to determine the variability, both in location and in time, of the composition of atmospheric deposition, which includes snow, rain, dust particles, aerosols, and gasses. The core from which the NTN was built was the already-existing deposition-monitoring network of the National Atmospheric Deposition Program (NADP).

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.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1985 water year that began October 1, 1984, and ended September 30, 1985. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water quality data for surface and ground water, and ground-water-level data. The locations of the stations and wells where the data were collected are shown in figures 4, 5, 6, 7, and 8. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells.

Downstream Order System

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 with respect to the stream to which it is immediately tributary is indicated by an indentation in "List of Stations" in the front of this report. Each indentation represents one rank. This downstream order and system of indentation show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. 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 the 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 eight-digit number for each station, such as 02371500, which appears just to the left of the station name includes the two-digit part number "02" plus the six-digit downstream order number "371500." In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 2 (Eastern Gulf of Mexico Basin) and Part 3 (Ohio River Basin). All records for a drainage basin encompassing more than one state can be arranged in downstream order by assembling pages from the various state reports by station number to include all records in the basin.

Latitude-Longitude System

The identification numbers for wells are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells within a 1-second grid. This site-identification number, once assigned, is a pure number, and has no locational significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. (See figure below.)

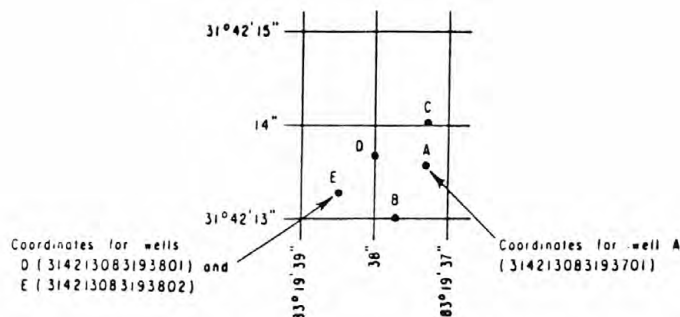


Figure 1.--System for numbering wells (latitude and longitude).

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharge may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, but need not be. Because daily mean discharges and end-of-day contents commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Location of all complete-record and crest-stage partial-record stations for which data are given in this report are shown in figures 4 and 6.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a continuous record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relations between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily discharges. The data obtained at a complete-record gaging station on a lake or reservoir consist of a record of stage and of notations regarding factors that may affect the relations between stage and lake content. These data are used with stage-area and stage-capacity curves or tables to compute water-surface areas and lake storage.

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adapted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources investigations, Book 3, Chapter A6.

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements or peak discharge, such as slope-area or contracted-opening measurements, and computations of flow-over-dam or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. 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 determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control.

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.

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves, or tables defining the relations of stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-content relations change because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relations. Even when this is done, the contents computed may become increasingly in error as time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relations much as other stream discharges are computed.

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, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

The records published for each gaging station consist of two parts, the manuscript or station description and the data table for the current water year. The manuscript provides, under various headings, descriptive information, such as station location; period of record; average discharge; historical extremes; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

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

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

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

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

GAGE.--The type of gage in current use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

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

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

AVERAGE DISCHARGE.--The discharge value given is the arithmetic mean of the water-year mean discharges. It is computed only for stations having at least 5 water years of complete record, and only water years of complete record are included in the computation. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless. If water developments significantly altering flow at a station are put into use after the station has been in operation for a period of years, a new average is computed as soon as 5 water years of record have accumulated following the development.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a graphic or digital recorder, crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

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

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

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

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

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

The daily table for stream-gaging stations gives 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 is usually expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN."), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion or if the drainage area includes large non-contributing areas. In the yearly summary below the monthly summary, the figures shown are the appropriate discharges for the calendar and water years. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversions or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

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

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual Stage data reports are identified by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of the Records

The accuracy of streamflow records 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 measurements of stage, measurements of discharge, and interpretation of records.

The accuracy attributed to the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent of the true; "good," within 10 percent; and "fair," within 15 percent. Records that do not meet the criteria mentioned, are rated "poor." Different accuracies may be attributed to different parts of a given record.

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft³/s; to the nearest tenth between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to three significant figures for more than 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

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 Records Available

Records of discharge, not published by the U.S. Geological Survey, are collected in Alabama at several sites by the Geological Survey of Alabama, Jefferson County, the National Weather Service, Tennessee Valley Authority, and the U.S. Army Corps of Engineers. The National Water Data Exchange (NAWDEX), U.S. Geological Survey, Reston, Va 22092, maintains an index of these sites as well as an index of records of discharge collected by other agencies but not published by the U.S. Geological Survey. Information on records at specific sites can be obtained from that office upon request.

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables are on file in the Alabama District office. Also, most of the daily mean discharges are in computer-readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the District office.

Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A miscellaneous sampling site is a location other than a continuing or partial-record station, where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records" as used in this report and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface water appear in this report are shown in figure 5.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on site measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4. All of these references are listed on p. 17 of this report. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey District office.

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. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.

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 U.S.G.S. District office whose address is given on the back of the title page of this report.

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 daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal 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 discharge.

At stations where recording instruments are used, either mean temperature or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of water-discharge measurements are on file in the District office.

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.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

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 and in predicting long-term sediment-discharge characteristics of the stream.

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

Laboratory Measurements

Sediment samples, samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratories in Arvada, Colo., or Doraville, Ga. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1. Methods used by the Geological Survey laboratories are given in TWRI, Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

DRAINAGE AREA.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

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

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

The surface-water-quality records for partial-record stations and miscellaneous sampling sites are published in separate tables following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Remark Codes

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

<u>PRINTED OUTPUT</u>	<u>REMARK</u>
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
K	Results based on colony counted outside the acceptable range (non-ideal colony count)
L	Value determined by central laboratory

Other Records Available

The Geological Survey of Alabama, Alabama Department of Environmental Management, Alabama Health Department, Alabama Power Company, U.S. Army Corps of Engineers, Tennessee Valley Authority, Environmental Protection Agency, and National Aeronautics and Space Administration and various county and city agencies have collected records of water quality at many sites in Alabama during the 1985 water year.

Records of Ground-Water Levels

Only water-level data from a national network of observation wells are given in this report. These data are intended to provide a sampling and historical record of water-level changes in the Nation's most important aquifers. Locations of the observation wells in this network in Alabama are shown in figure 7.

Data Collection and Computation

The Geological Survey of Alabama, Alabama Health Department, U.S. Army Corps of Engineers, and Tennessee Valley Authority have collected water-level records and other information on many wells in Alabama during the 1985 water year.

Measurements of water levels are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well ensure that measurements at each well are of consistent accuracy and reliability.

Tables of water-level data are presented by counties arranged in alphabetical order. The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table. The secondary identification number is a local well number that is provided for local needs.

Water-level records are obtained from direct measurements with a steel tape or from the graph or punched tape of the water-stage recorder. The water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plan that is approximately at land surface at each well. If known, the elevation of the land-surface datum 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 of 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. Accordingly, most measurements are reported to a hundredth of a foot, but some are given to a tenth of a foot or a larger unit.

Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented under the various headings.

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

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

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

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

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) National Geodetic Vertical Datum of 1929 (NGVD of 1929); it is reported with a precision depending on the method of determination.

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

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

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

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

Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that for most sampling sites they consist of only one set of measurements for the water year. The quality of ground water ordinarily changes only slowly; therefore, for most general purposes one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequency measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring the trends in nitrate concentration. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the changes.

Data Collection and Computation

The records of ground-water quality in this report were obtained as a part of a special study in a specific area. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide. Such a view can be attained only by considering records for this year in context with similar records obtained in earlier years.

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manual listed on a following. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

The records of ground-water quality are published in a section titled QUALITY OF GROUND WATER immediately following the ground-water-level records. Data for quality of ground water are listed alphabetically by county, and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. No descriptive statements are given for ground-water-quality records; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water. The REMARK codes listed for surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO WATSTORE DATA

The National WATER Data STORAGE and RETrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing the desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from each of the Water Resources Division's district offices (see address given on the back of the title page).

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

DEFINITION OF TERMS

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

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.

Bacteria are microscopic unicellular organisms, typically spherical, rod-like, 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 all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C $\pm$ 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestine 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 organisms which produce blue colonies within 24 hours when incubated at 44.5°C $\pm$ 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Bed material is the sediment mixture 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, used for the decomposition of organic matter by micro-organisms, 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 weight 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 one hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m³), and periphyton and benthic organisms in grams per square meter (g/m²).

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.

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

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

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 green 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.

Cubic foot per second (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 7.48 gallons per second or 448.8 gallons per minute.

Cubic feet per second per square mile ([ft³/s]/mi²) 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.

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

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

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

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

Drainage area of a stream at a specified 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 stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the 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 hydraulic 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 computed as the sum of equivalents of polyvalent cations and is expressed as the equivalent concentration of calcium carbonate (CaCO₃).

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 eight-digit number.

Land surface datum (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

Measuring point (MP) is an arbitrary permanent point from which the distance to the water surface in a well is measured to obtain the water level.

Micrograms per liter (UG/L, ug/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 dry sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Observation well is a well tapping a representative aquifer for a selected area for the purpose of obtaining records of water-level fluctuations and or ground-water quality changes.

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

Particle-size 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 matter 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.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population in terms of types, numbers, mass, or volume.

Pesticides are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

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).

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

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 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.

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. Waters range in respect to sodium hazard from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance that is dissolved in water.

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

Spring is a place where ground water flows naturally from a rock or the soil onto the land surface or into a body of surface water. Its occurrence depends on the nature and relationship of rocks, especially permeable and impermeable strata, on the position of the water table, and on the topography.

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

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

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

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

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table headings and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

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

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

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

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1980, is called the "1980 water year."

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976).

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

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 604 South Pickett St., Alexandria, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 Pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.
- 3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-C1. *Fluvial sediment concepts* by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment* by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells* by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments* by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples* edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L. C. Friedman and D. E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels* by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells* by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers* by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

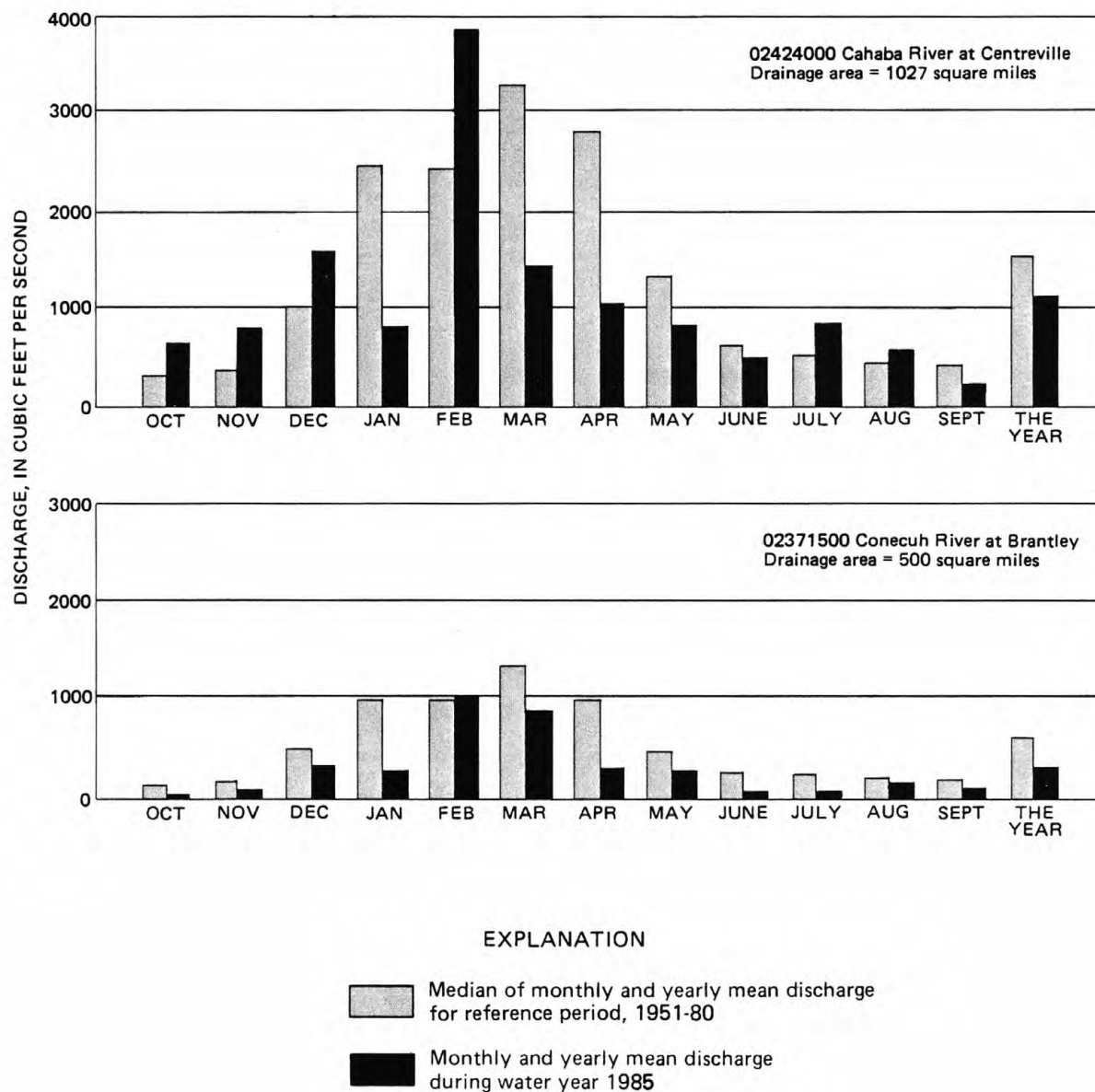


Figure 2.--Comparison of discharge for water year 1985 to the base period 1951-1980 at two long-term representative gaging stations.

WATER RESOURCES DATA FOR ALABAMA, 1985

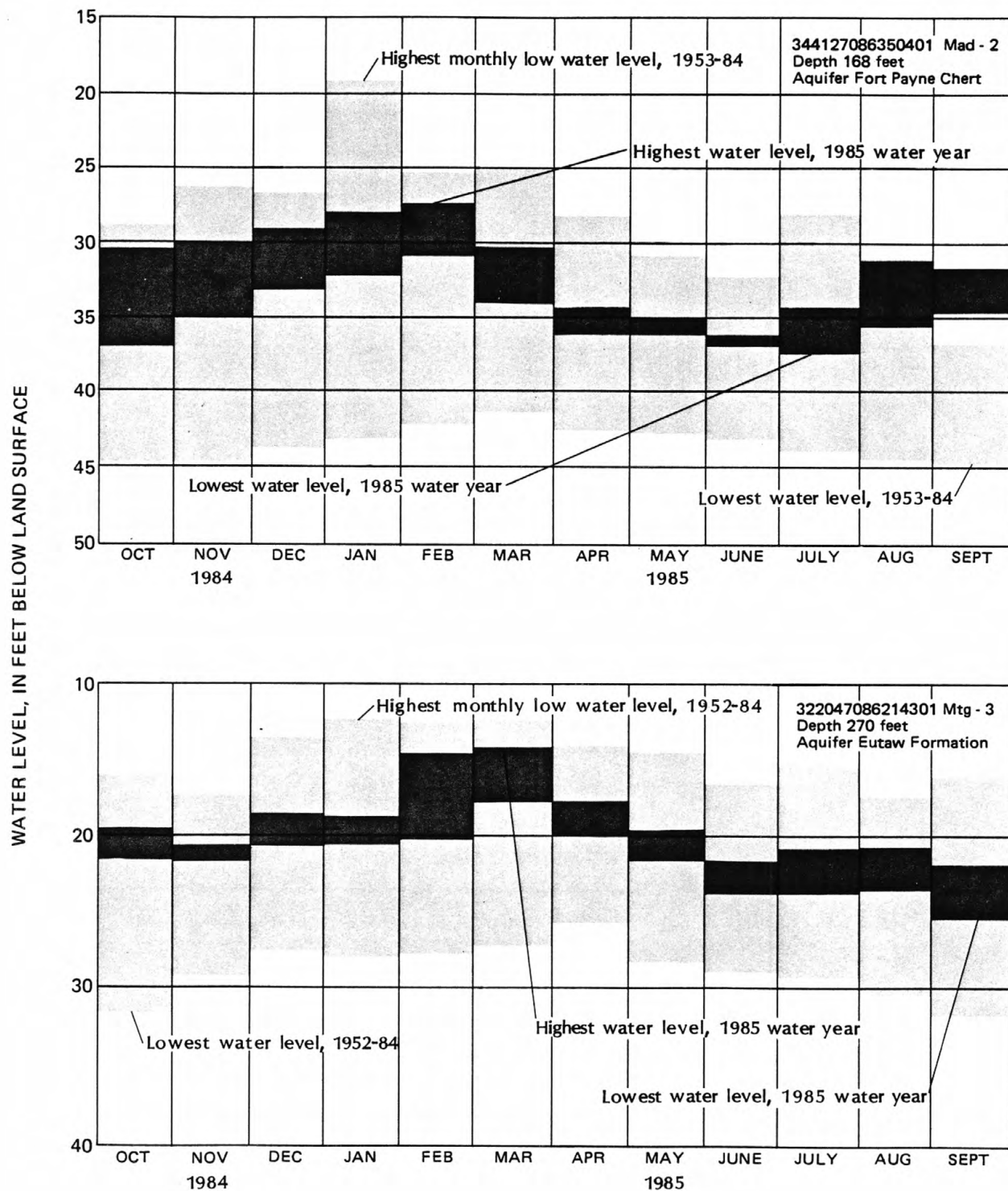


Figure 3.--Comparison of monthly low water levels for water year 1985 to the highest and lowest monthly low water levels for the period of record for two observation wells.

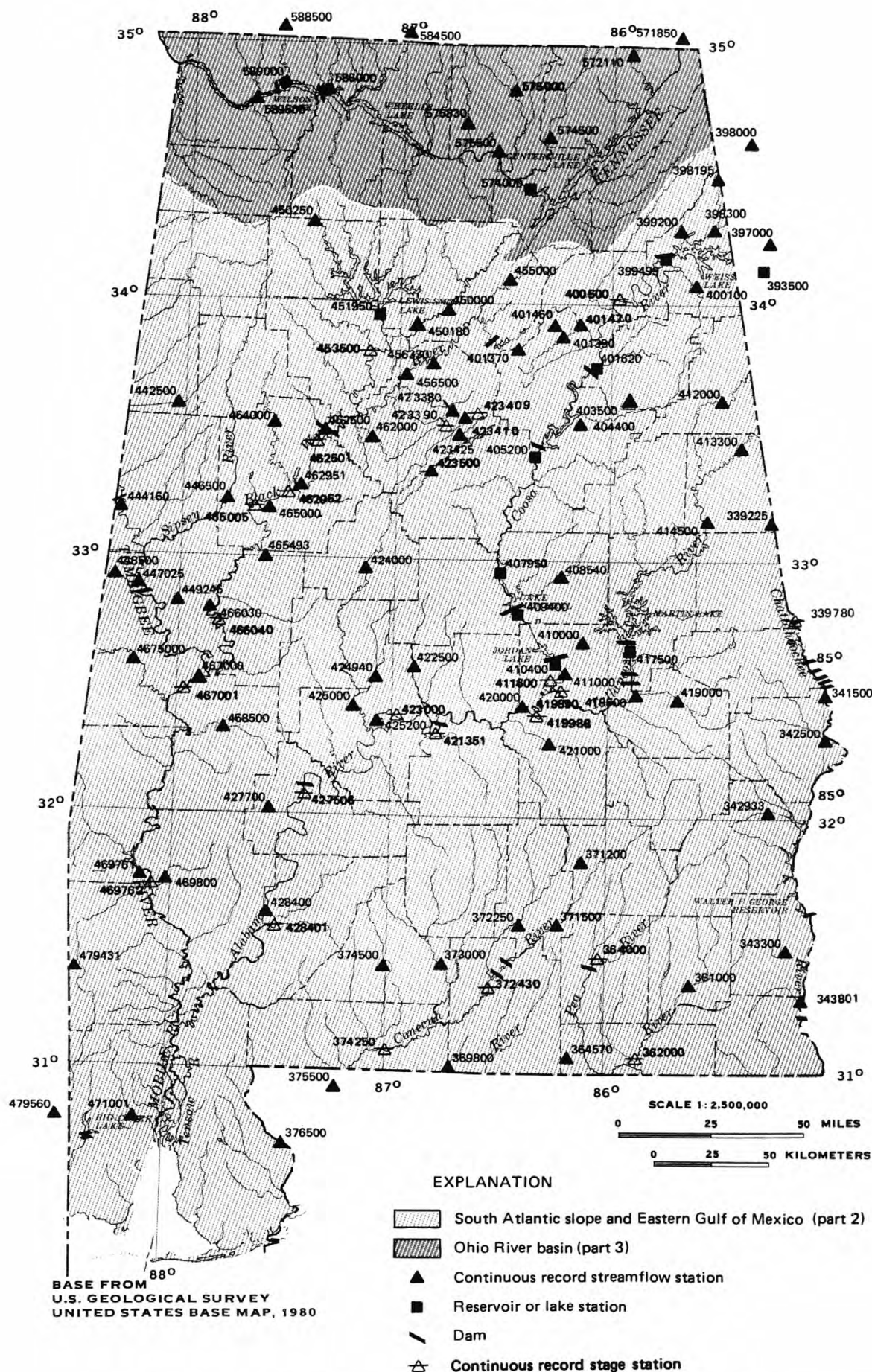


Figure 4.--Map of Alabama showing location of gaging stations.

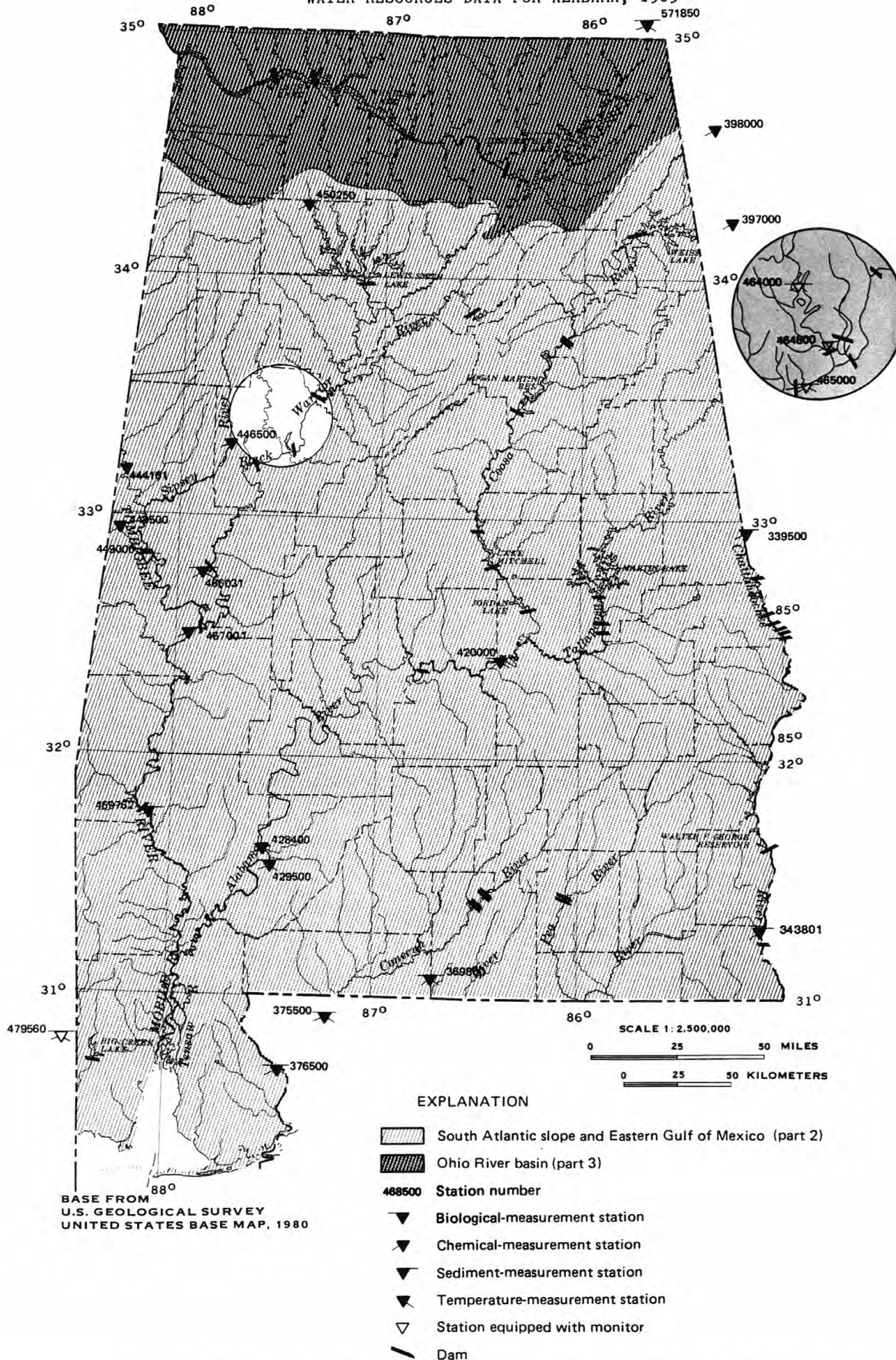


Figure 5.--Map of Alabama showing location of water-quality stations.

APALACHICOLA RIVER BASIN

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02339225 WEHADKEE CREEK BELOW ROCK MILLS, AL

LOCATION.--Lat 33°07'20", long 85°14'57", Randolph County, Hydrologic Unit 03130002, on left bank 50 ft downstream of bridge on county road, 0.7 mi downstream from Little Wehadkee Creek, 2.1 mi upstream from Guss Creek, and 3.5 mi southeast of Rock Mills.

DRAINAGE AREA.--60.2 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 647.21 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good, except those of lagging intakes, May 18-22 and May 26 to June 4, which are poor. Some diurnal fluctuation at low flow.

AVERAGE DISCHARGE.--7 years, 90.9 ft³/s, 20.51 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,390 ft³/s, Feb. 3, 1982, gage height, 14.42 ft; minimum daily discharge, 2.4 ft³/s, Oct. 3, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 6	0015	*1,250	*9.14				

Minimum daily discharge, 14 ft³/s, Oct. 6, 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	23	36	30	254	95	57	32	28	91	65	33
2	16	23	41	65	315	93	50	387	26	32	49	31
3	16	24	123	71	176	83	48	342	24	23	42	29
4	15	27	65	102	116	77	47	116	23	20	37	28
5	15	27	231	73	501	76	48	79	21	27	33	49
6	14	24	168	58	744	70	104	65	20	100	31	33
7	14	22	87	52	237	66	66	57	19	86	30	29
8	16	21	67	47	155	65	56	95	27	41	31	30
9	17	21	58	44	125	64	51	139	24	32	29	27
10	18	22	53	43	108	62	49	100	21	27	27	25
11	17	37	49	43	110	60	48	101	22	24	26	23
12	16	29	45	40	120	59	47	77	32	26	25	22
13	15	25	43	38	96	56	47	63	26	23	24	24
14	15	24	41	38	86	55	47	56	22	26	23	23
15	16	23	39	37	81	54	115	50	21	32	32	21
16	25	23	37	36	76	53	81	44	29	37	31	20
17	25	24	36	80	73	54	62	41	25	48	51	20
18	25	23	35	67	69	52	55	38	23	34	38	19
19	22	31	35	52	69	49	50	36	22	27	28	18
20	21	30	34	46	72	49	48	34	22	25	26	18
21	23	26	35	46	66	60	46	33	20	26	25	18
22	70	24	37	43	62	124	43	34	18	23	24	17
23	35	24	36	42	61	86	41	38	17	40	22	22
24	31	24	33	41	63	79	42	36	16	70	21	55
25	30	25	32	42	113	67	41	34	17	72	286	30
26	25	25	31	40	265	59	39	32	16	43	87	26
27	23	25	30	36	136	56	37	30	15	41	57	25
28	23	107	30	40	106	56	36	29	18	220	44	23
29	29	55	30	39	---	56	34	27	23	463	38	21
30	29	38	30	38	---	54	33	35	30	164	36	20
31	24	---	30	259	---	55	---	32	---	92	38	---
TOTAL	696	876	1677	1728	4455	2044	1568	2312	667	2035	1356	779
MEAN	22.5	29.2	54.1	55.7	159	65.9	52.3	74.6	22.2	65.6	43.7	26.0
MAX	70	107	231	259	744	124	115	387	32	463	286	55
MIN	14	21	30	30	61	49	33	27	15	20	21	17
CFSM	.37	.49	.90	.93	2.64	1.10	.87	1.24	.37	1.09	.73	.43
IN.	.43	.54	1.04	1.07	2.75	1.26	.97	1.43	.41	1.26	.84	.48
CAL YR 1984	TOTAL	29560	MEAN	80.8	MAX	600	MIN	14	CFSM	1.34	IN	18.27
WTR YR 1985	TOTAL	20193	MEAN	55.3	MAX	744	MIN	14	CFSM	.92	IN	12.48

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA

LOCATION.--Lat 32°53'10", long 85°10'56", Troup County, Hydrologic Unit 03130002, on right bank just downstream from Oseligee Creek at West Point, 1 mi upstream from bridge on U.S. Highway 29, 2.5 mi downstream from West Point Dam, and at mile 198.9.

DRAINAGE AREA.--3,550 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1896 to current year. Gage-height records collected at site 0.8 mi downstream since 1899 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 682: 1920, drainage area. WSP 972: 1931-32. WSP 1504: 1912, 1916-17.

GAGE.--Water-stage recorder. Datum of gage is 551.67 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 20, 1912, nonrecording gage at site 0.8 mi downstream at datum 2.83 ft lower. Oct. 20, 1912, to Jan. 25, 1925, nonrecording gage at site 500 ft upstream at present datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974.

AVERAGE DISCHARGE.--89 years, 5,636 ft³/s, 21.56 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 134,000 ft³/s, Dec. 10, 1919, gage height, 30.0 ft at site then in use; 29.25 ft at present site, from floodmarks, from rating curve extended above 80,000 ft³/s on basis of computation of peak flow over Langdale Dam; minimum, 224 ft³/s, Sept. 12, 1925, gage height, 1.64 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1827, that of Dec. 10, 1919. Flood in 1886 reached a stage of 25.6 ft at former site and datum, from floodmark, by National Weather Service, discharge, 92,800 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,900 ft³/s, Jan. 17, gage height, 10.30 ft; minimum daily, 690 ft³/s, Sept. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2560	2320	3620	2800	2820	4920	3940	2320	736	5230	5020	7110
2	2590	2320	3690	2800	977	8610	3940	2320	742	5280	4680	7100
3	2540	3880	3540	2890	1030	1100	3930	2320	4030	2020	4530	7180
4	2580	3900	3470	2880	6080	8550	3960	775	4040	2000	3910	7170
5	2590	4200	3590	1000	6470	8720	3970	755	4050	2000	3860	7280
6	2870	4200	4730	988	12100	8720	886	2270	4060	747	4500	7270
7	2880	4230	3500	4660	11400	6140	841	2270	5490	841	5160	4190
8	2910	4230	4680	4720	10600	4670	5450	2280	765	3980	5180	690
9	2910	5460	4710	4990	9160	848	5470	2490	755	3930	5180	4690
10	2940	4570	4720	4710	9320	829	5490	2370	6240	4220	4440	4090
11	2950	4550	4700	4720	9430	2660	5490	855	6330	4040	4380	4030
12	2920	5700	4640	782	9570	2660	5500	825	6280	3950	4360	4060
13	2910	4430	4700	765	9560	2650	798	2340	6250	725	4360	4030
14	2890	4430	4700	2350	9090	2660	765	2260	6330	748	4410	4240
15	2920	4530	5380	2360	9750	2670	5520	2270	833	4680	4390	4250
16	2960	4430	5410	2340	9320	831	5590	2240	743	4720	4430	4570
17	3000	3850	5450	4870	9330	818	5530	2240	5030	4660	4880	4350
18	2950	3880	5470	1830	9430	2590	5520	748	5090	4600	4850	4440
19	2950	3850	5580	843	6180	2640	5530	743	5080	4570	4870	4470
20	1520	3900	5570	4060	5300	2630	3150	1330	5080	4310	4830	4380
21	1530	6840	5630	12900	5100	2670	2830	1340	5110	714	4830	5460
22	2030	3960	913	4670	5220	2780	3490	1350	755	5280	4850	5410
23	2010	3980	830	4280	835	1000	3120	1350	733	5260	4840	5510
24	2010	3710	6340	4920	832	890	2330	1350	5350	3000	4380	5540
25	2010	3750	6510	4990	5100	3960	2030	750	5390	3060	4400	5570
26	2000	3730	6570	806	5420	4110	2020	743	5410	3160	4830	5520
27	2310	3760	6600	782	5370	4060	760	1640	5410	761	4710	5520
28	2320	3870	6800	2750	5000	4020	748	1630	5400	1550	4840	5440
29	2330	3260	898	2760	---	4010	2310	1630	740	5490	4720	5510
30	2340	3750	814	2940	---	857	2320	1630	731	5070	4690	5550
31	2330	---	2750	2790	---	834	---	1630	---	5160	6940	---
TOTAL	78560	123470	136505	101946	189794	105107	103228	51064	112983	105756	146250	154620
MEAN	2534	4116	4403	3289	6778	3391	3441	1647	3766	3411	4718	5154
MAX	3000	6840	6800	12900	12100	8720	5590	2490	6330	5490	6940	7280
MIN	1520	2320	814	765	832	818	748	743	731	714	3860	690

CAL YR 1984 TOTAL 2346302 MEAN 6411 MAX 23700 MIN 755 MEAN +6019 CFSM +1.70 IN +22.47
WTR YR 1985 TOTAL 1409283 MEAN 3861 MAX 12900 MIN 690 MEAN +3742 CFSM +1.05 IN +14.31

† Adjusted for change in contents in Lake Sidney Lanier and West Point Lake.

APALACHICOLA RIVER BASIN

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02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.01	2.86	3.64	3.11	3.19	4.21	3.81	2.92	2.05	4.29	4.26	5.14
2	3.02	2.86	3.67	3.12	2.25	5.93	3.82	2.92	2.06	4.32	4.03	5.14
3	3.00	3.73	3.62	3.18	2.29	2.32	3.81	2.93	3.83	2.73	3.94	5.17
4	3.02	3.75	3.57	3.17	4.75	5.89	3.83	2.09	3.83	2.71	3.65	5.16
5	3.02	3.90	3.65	2.27	5.06	5.99	3.83	2.07	3.84	2.71	3.61	5.23
6	3.18	3.91	4.19	2.26	7.51	5.99	2.18	2.92	3.85	2.06	3.91	5.22
7	3.18	3.92	3.61	4.06	7.24	4.79	2.14	2.92	4.48	2.14	4.22	3.77
8	3.20	3.92	4.20	4.07	6.84	4.08	4.57	2.93	2.08	3.68	4.23	2.01
9	3.20	4.50	4.22	4.20	6.19	2.15	4.59	3.08	2.07	3.64	4.23	3.99
10	3.21	4.10	4.23	4.06	6.27	2.13	4.60	3.00	4.72	3.79	3.88	3.70
11	3.22	4.08	4.22	4.06	6.31	3.10	4.60	2.15	4.78	3.70	3.85	3.68
12	3.21	4.67	4.18	2.09	6.38	3.11	4.60	2.13	4.75	3.64	3.84	3.69
13	3.20	4.02	4.21	2.08	6.36	3.10	2.10	2.95	4.74	2.04	3.84	3.67
14	3.19	4.03	4.21	2.93	6.14	3.11	2.08	2.92	4.77	2.06	3.86	3.77
15	3.20	4.08	4.56	2.94	6.43	3.11	4.60	2.93	2.12	4.01	3.85	3.78
16	3.25	4.02	4.58	2.93	6.24	2.13	4.66	2.91	2.06	4.03	3.88	3.93
17	3.28	3.71	4.60	4.11	6.21	2.12	4.62	2.91	4.19	3.99	4.09	3.82
18	3.22	3.73	4.61	2.71	6.25	3.02	4.61	2.06	4.23	3.96	4.09	3.87
19	3.22	3.72	4.66	2.14	4.69	3.05	4.62	2.06	4.22	3.94	4.09	3.91
20	2.42	3.74	4.65	3.63	4.34	3.05	3.37	2.40	4.22	3.81	4.07	3.83
21	2.42	5.14	4.68	7.85	4.28	3.08	3.20	2.41	4.23	2.03	4.07	4.34
22	2.69	3.77	2.19	4.06	4.33	3.15	3.53	2.41	2.07	4.28	4.08	4.31
23	2.69	3.78	2.13	3.90	2.14	2.27	3.36	2.41	2.05	4.26	4.07	4.36
24	2.69	3.64	4.81	4.16	2.13	2.18	2.93	2.41	4.34	3.20	3.85	4.37
25	2.69	3.66	4.91	4.19	4.27	3.66	2.77	2.07	4.37	3.24	3.86	4.39
26	2.68	3.65	4.93	2.11	4.50	3.82	2.77	2.06	4.37	3.28	4.08	4.36
27	2.85	3.67	4.94	2.09	4.47	3.78	2.07	2.56	4.37	2.07	4.02	4.36
28	2.86	3.74	5.03	3.13	4.26	3.76	2.06	2.56	4.37	2.63	4.08	4.32
29	2.87	3.42	2.18	3.14	---	3.76	2.92	2.56	2.06	4.58	4.02	4.35
30	2.87	3.70	2.12	3.26	---	2.15	2.92	2.56	2.05	4.28	4.00	4.37
31	2.87	---	3.09	3.16	---	2.14	---	2.56	---	4.31	5.06	---
MEAN	2.99	3.85	4.00	3.36	5.05	3.42	3.52	2.57	3.57	3.40	4.02	4.20
MAX	3.28	5.14	5.03	7.85	7.51	5.99	4.66	3.08	4.78	4.58	5.06	5.23
MIN	2.42	2.86	2.12	2.08	2.13	2.12	2.06	2.06	2.05	2.03	3.61	2.01
CAL YR 1984	MEAN	4.88	MAX	12.27	MIN	1.99						
WTR YR 1985	MEAN	3.65	MAX	7.85	MIN	2.01						

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE, AIR (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY LAB (MG/L AS CACO ₃)
OCT												
03...	0700	6040	80	7.1	20.5	7.0	5.0	6.8	76	1.6	<20	20
NOV												
07...	0800	7390	--	7.0	19.0	4.0	4.0	6.6	71	1.7	<20	19
DEC												
04...	1330	1230	73	7.2	11.0	9.0	9.0	9.4	85	1.5	170	19
JAN												
08...	0830	14600	75	7.6	10.5	.0	5.0	8.6	79	2.3	20	18
FEB												
05...	1330	8540	68	7.2	7.0	6.0	--	10.2	85	1.4	1700	17
MAR												
18...	1535	760	--	--	14.5	--	--	--	--	--	--	--
18...	1540	760	--	--	14.5	--	--	--	--	--	--	--
19...	0815	781	68	7.1	11.0	3.5	6.0	10.2	93	2.0	20	20
APR												
02...	0800	6020	63	7.2	13.5	8.0	8.0	9.1	88	1.3	50	22
30...	1000	711	--	--	20.5	--	--	--	--	--	--	--
30...	1005	711	--	--	20.5	--	--	--	--	--	--	--
MAY												
08...	0615	721	72	6.7	19.0	19.0	5.0	5.5	60	1.6	20	21
JUN												
04...	0920	711	--	--	21.5	--	--	--	--	--	--	--
04...	0925	711	--	--	21.5	--	--	--	--	--	--	--
06...	0730	711	85	6.9	22.0	30.0	7.0	3.6	42	1.6	1300	22
JUL												
11...	0645	731	90	6.9	25.0	22.0	6.0	3.6	44	1.0	20	23
17...	1045	804	--	--	25.5	--	--	--	--	--	--	--
17...	1050	804	--	--	25.5	--	--	--	--	--	--	--
AUG												
08...	0645	740	88	6.9	25.0	24.0	7.0	3.5	43	.7	20	25
29...	1113	815	--	--	--	--	--	--	--	--	--	--
29...	1114	815	--	--	--	--	--	--	--	--	--	--
29...	1115	815	--	--	--	--	--	--	--	--	--	--
29...	1116	815	--	--	--	--	--	--	--	--	--	--
SEP												
05...	0615	770	77	6.8	25.5	21.0	7.0	4.1	50	1.9	<20	20

APALACHICOLA RIVER BASIN

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02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM
OCT												
03...	3.1	0.25	0.140	0.030	340	110	2.5	--	--	--	--	--
NOV												
07...	3.7	.33	.090	.030	230	65	2.3	--	--	--	--	--
DEC												
04...	2.3	.47	.140	.030	900	60	2.8	--	--	--	--	--
JAN												
08...	.9	.64	.160	.060	360	35	2.0	--	--	--	--	--
FEB												
05...	2.1	.52	.090	.100	5200	230	3.0	--	--	--	--	--
MAR												
18...	--	--	--	--	--	--	--	13	27	--	--	--
18...	--	--	--	--	--	--	--	11	23	--	--	--
19...	3.1	.42	.060	.060	520	70	3.4	--	--	--	--	--
APR												
02...	2.7	.31	.030	.030	1700	120	2.3	--	--	--	--	--
30...	--	--	--	--	--	--	--	4	7.7	--	--	--
30...	--	--	--	--	--	--	--	4	7.7	--	--	--
MAY												
08...	8.1	.50	.100	.060	350	110	2.5	--	--	--	--	--
JUN												
04...	--	--	--	--	--	--	--	4	7.7	--	--	--
04...	--	--	--	--	--	--	--	5	9.6	--	--	--
06...	5.4	.43	.120	.050	260	250	3.8	--	--	--	--	--
JUL												
11...	5.6	.06	.240	.040	600	330	3.2	--	--	--	--	--
17...	--	--	--	--	--	--	--	8	17	--	--	--
17...	--	--	--	--	--	--	--	11	24	--	--	--
AUG												
08...	6.1	.20	.280	.030	1100	250	2.0	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	<1	1	4
29...	--	--	--	--	--	--	--	--	--	1	2	6
29...	--	--	--	--	--	--	--	--	--	<1	<1	<1
29...	--	--	--	--	--	--	--	--	--	<1	2	4
SEP												
05...	6.1	.16	.200	.050	500	120	1.9	--	--	--	--	--

DATE	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM	BED MAT. SIEVE DIAM. % FINER THAN 32.0 MM
AUG							
29...	19	40	60	69	76	93	100
29...	10	11	14	19	34	100	--
29...	<1	1	3	5	9	22	100
29...	6	7	11	20	47	100	--

APALACHICOLA RIVER BASIN

02339780 CHATTAHOOCHEE RIVER AT LANGDALE, AL

LOCATION.--Lat 32°48'50", long 85°10'03", Chambers County, Ala.-Harris County, Ga., Hydrologic Unit 03130002, at right end of Langdale Dam, 0.3 mi upstream from Moores Creek, 0.4 mi south of Langdale, and 2.8 mi downstream from Long Cane Creek.

DRAINAGE AREA.--3,630 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 540.01 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No gage-height record Nov. 9 to Dec. 17, Jan. 16-28, and Mar. 13-18. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.10 ft, Apr. 10, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.56 ft, Feb. 19.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.38	8.34	---	8.39	8.40	8.84	8.36	8.09	7.38	8.54	8.82	9.02
2	8.24	7.82	---	8.02	7.82	9.31	8.66	8.07	7.21	8.72	8.65	9.03
3	8.23	8.25	---	8.16	7.91	8.12	8.65	8.02	8.35	8.16	8.61	9.06
4	8.24	8.61	---	8.18	8.72	9.00	8.65	7.85	8.53	8.16	8.45	9.05
5	8.25	8.65	---	7.64	9.19	9.33	8.66	7.75	8.48	8.00	8.34	9.08
6	8.31	8.71	---	7.53	9.83	9.33	7.69	7.84	8.50	7.57	8.38	9.10
7	8.33	8.24	---	7.96	9.90	9.05	7.93	8.10	8.70	8.11	8.50	8.69
8	8.34	8.41	---	8.31	9.67	8.70	8.58	8.13	7.39	8.58	8.57	7.65
9	8.34	---	---	8.36	9.43	7.54	8.93	8.33	7.67	8.40	8.57	8.58
10	8.34	---	---	8.31	9.48	7.70	8.93	8.25	8.55	8.38	8.63	8.36
11	8.34	---	---	8.30	9.49	7.99	8.93	7.58	8.76	8.42	8.53	8.29
12	8.35	---	---	6.85	9.50	8.29	8.93	7.82	8.80	8.33	8.36	8.33
13	8.34	---	---	6.30	9.50	---	7.52	7.85	8.79	7.75	8.31	8.33
14	8.33	---	---	7.75	9.43	---	7.50	7.89	8.76	8.03	8.32	8.29
15	8.34	---	---	7.72	9.51	---	8.38	8.04	7.59	8.60	8.30	8.48
16	8.35	---	---	---	9.51	---	8.99	8.03	7.41	8.53	8.41	8.50
17	8.43	---	---	---	9.43	---	8.95	8.01	8.41	8.49	8.46	8.39
18	8.35	---	8.96	---	9.49	---	8.95	7.46	8.58	8.49	8.53	8.42
19	8.35	---	8.97	---	9.15	8.03	8.94	7.09	8.58	8.45	8.49	8.61
20	7.85	---	8.98	---	8.88	7.98	8.42	6.93	8.59	8.51	8.45	8.36
21	7.50	---	8.99	---	8.92	8.08	8.47	7.57	8.60	7.81	8.45	8.53
22	8.00	---	7.72	---	8.94	8.29	8.27	7.55	7.82	8.67	8.46	8.63
23	7.69	---	7.37	---	8.12	8.02	8.35	7.53	7.91	8.63	8.49	8.74
24	7.66	---	8.54	---	8.06	7.28	8.01	7.41	8.53	8.26	8.24	8.57
25	7.77	---	9.02	---	8.80	7.55	7.94	7.22	8.65	8.13	8.38	8.68
26	7.72	---	9.02	---	8.98	8.72	7.99	7.32	8.66	8.14	8.56	8.69
27	7.77	---	9.03	---	9.03	8.63	7.40	8.06	8.67	7.75	8.43	8.64
28	7.87	---	9.06	---	8.91	8.64	7.33	7.94	8.70	8.31	8.52	8.60
29	7.93	---	7.60	8.53	---	8.64	7.87	7.67	7.56	9.02	8.53	8.63
30	7.94	---	7.02	8.42	---	7.58	8.02	7.79	7.72	8.96	8.56	8.55
31	7.98	---	7.55	8.36	---	7.76	---	7.78	---	8.84	9.03	---
MEAN	8.12	---	---	---	9.07	---	8.34	7.77	8.26	8.35	8.49	8.60
MAX	8.43	---	---	---	9.90	---	8.99	8.33	8.80	9.02	9.03	9.10
MIN	7.50	---	---	---	7.82	---	7.33	6.93	7.21	7.57	8.24	7.65

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA

LOCATION.--Lat 32°27'45", long 84°59'52", Muscogee County, Ga.--Russell County, Ala., Hydrologic Unit 03130003, on downstream side of center pier of Central of Georgia railway bridge at Columbus, 0.5 mi downstream from Eagle and Phenix Dam, 1.2 mi downstream from City Mills Dam, 2.6 mi downstream from North Highlands Dam, 3.3 mi downstream from Oliver Dam, 17.5 mi downstream from Bartletts Ferry Dam, and at mile 159.9.

DRAINAGE AREA.--4,670 mi², approximately.

PERIOD OF RECORD.--August 1929 to current year. Records for December 1912, published in WSP 322, have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1082: 1943(M). See also period of record.

GAGE.--Water-stage recorder. Datum of gage is 183.14 ft above National Geodetic Vertical Datum of 1929. Dec. 1-31, 1912, nonrecording gage at site 800 ft upstream at datum 2.0 ft higher, and Aug. 23, 1929, to Sept. 30, 1975, recording gage at present site, at datum 2.0 ft higher. Oct. 1, 1963, to Sept. 30, 1966, water-stage recorder at Walter F. George Reservoir, and since Oct. 1, 1966, water-stage recorder at Alabama State Docks used as auxiliary gage for this station.

REMARKS.--No estimated daily discharges. Records fair except those below 1,500 ft³/s, which are poor. Flow regulated by Lake Sidney Lanier since January 1956, West Point Lake since October 1974, and by Lake Harding since 1939. Records of chemical analyses for the period February 1968 to May 1972 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--56 years, 6,812 ft³/s, 19.81 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 145,000 ft³/s, Feb. 26, 1961; maximum gage height, 47.8 ft, Feb. 25, 1961; minimum discharge, 294 ft³/s, Oct. 23, Nov. 14, 1931; minimum daily, 480 ft³/s Oct. 31, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1827, 198,000 ft³/s, Mar. 15, 1929, computation of flow at North Highlands Dam before redevelopment; maximum stage known, 53.2 ft, Mar. 16, 1929.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 44,700 ft³/s, Feb. 7; maximum gage height, 21.15 ft Feb. 7; minimum daily, 1,060 ft³/s, Oct. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2770	1840	3600	2390	4320	9780	4030	2970	1400	4550	6300	6570
2	2860	2220	4400	5500	3220	8310	4850	2770	1300	5240	5600	6780
3	2600	3270	4300	4980	3290	8930	5700	2670	3630	3170	5790	7310
4	2320	4510	4800	3360	6270	9600	5690	2040	3270	1640	5480	7100
5	2320	4500	5010	1610	14200	10600	6100	1560	4030	1810	4670	7400
6	3530	4570	6520	1370	34400	11900	4170	1400	4240	2010	5990	7380
7	2800	3340	5300	4280	30600	11900	1650	2210	2710	1790	5780	5800
8	2610	4580	3340	4500	18400	12400	6330	3440	1880	4580	8010	3700
9	1830	4960	3420	5710	15000	3300	6610	5300	1980	5000	6580	5010
10	4040	3890	3810	5560	12300	4080	7220	5650	5490	4290	6270	4600
11	3400	4140	3790	5790	12800	3220	6290	2310	6780	5460	5480	4430
12	6120	3950	4150	2320	12000	4660	6650	1780	7790	4900	6000	4240
13	3360	4300	5780	1430	10500	4910	2990	3340	6370	1870	4530	4130
14	2870	4010	5400	3440	11600	6550	2600	3320	6020	2020	3820	4110
15	3100	3860	6890	2710	11700	4880	6800	2470	2600	4080	4850	4160
16	3610	3750	5960	3130	10500	2480	7250	2210	3640	5390	4950	4520
17	3020	3590	5470	2710	13300	1660	7400	1680	6230	5720	5360	5160
18	3210	3710	5530	3320	11200	3030	7050	1460	5390	5510	5770	4500
19	3140	3770	5020	2180	10800	5690	6740	1400	6000	5410	5600	4280
20	1210	3520	4130	3100	7790	4520	4020	1590	6040	3670	5400	5260
21	1060	3560	3050	7600	6820	5880	3990	1750	5000	3200	5320	5590
22	1190	3110	1280	9500	7530	6210	4290	1530	1330	4860	5180	5640
23	1230	3040	1210	7350	2420	3560	3320	1400	1830	5880	4960	5670
24	2000	3330	4640	4850	1930	2830	3620	1460	3580	4900	5150	5530
25	1160	4050	6010	4130	8180	5100	2380	1390	5070	4260	5380	6140
26	1230	3660	6640	1740	13100	5870	2750	1340	5030	3750	5580	5930
27	1820	4020	7250	1940	14400	6070	1710	1320	5760	1630	5370	5850
28	2450	4100	7940	2650	12200	5740	1650	1500	5820	5960	5200	5990
29	3420	4300	3100	3220	---	5610	2100	2140	2020	10300	6200	6070
30	2170	3900	1470	4740	---	4220	2560	2500	1960	10400	8420	5810
31	2410	---	4540	6460	---	2080	---	1440	---	8180	5900	---
TOTAL	80860	113350	143750	123570	320770	185570	138510	69340	124190	141430	174890	164660
MEAN	2608	3778	4637	3986	11460	5986	4617	2237	4140	4562	5642	5489
MAX	6120	4960	7940	9500	34400	12400	7400	5650	7790	10400	8420	7400
MIN	1060	1840	1210	1370	1930	1660	1650	1320	1300	1630	3820	3700

CAL YR 1984 TOTAL 2834260 MEAN 7744 MAX 33300 MIN 1060 MEAN +7312 CFSM +1.57 IN +21.25
WTR YR 1985 TOTAL 1780890 MEAN 4879 MAX 34400 MIN 1060 MEAN +4921 CFSM +1.05 IN +14.30

† Adjusted for change in contents in Lake Sidney Lanier, West Point Lake, and Lake Harding.

APALACHICOLA RIVER BASIN

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.56	4.56	---	4.17	5.12	9.15	5.32	3.91	3.70	6.19	8.23	6.89
2	6.51	4.54	---	5.66	4.85	8.70	5.36	3.91	3.75	6.39	7.94	7.17
3	6.26	4.87	---	5.65	5.08	8.76	5.57	3.86	4.83	5.67	7.91	7.29
4	6.00	5.67	6.32	4.78	6.39	8.80	5.59	3.31	4.51	5.06	7.90	7.21
5	5.84	5.93	6.58	3.67	9.86	8.90	5.54	3.14	4.81	5.01	7.73	7.27
6	6.24	5.75	7.11	3.69	18.25	9.60	4.33	3.24	5.01	5.11	7.88	7.12
7	6.13	5.28	6.67	5.18	17.30	9.51	3.27	3.59	4.14	5.20	7.80	6.69
8	6.11	5.64	5.51	5.19	12.80	9.61	5.60	4.31	3.58	6.29	8.40	5.86
9	5.71	5.77	5.43	5.84	11.45	6.30	5.79	5.38	3.71	6.47	8.07	6.50
10	6.31	5.42	5.73	5.75	9.98	6.52	6.01	6.03	5.41	6.24	7.87	6.32
11	6.02	5.71	5.60	5.99	10.52	6.54	5.45	5.23	6.13	6.63	7.66	6.17
12	7.26	5.63	5.66	4.32	10.58	6.73	5.62	5.19	6.58	6.52	7.98	5.85
13	6.28	5.76	6.33	4.29	9.83	6.59	3.49	5.91	6.07	5.60	7.43	5.74
14	6.18	5.58	5.97	5.20	9.74	6.80	3.15	5.89	5.80	5.73	7.22	5.65
15	6.47	5.50	6.58	4.76	9.69	6.40	5.35	5.64	4.12	6.47	7.34	5.82
16	6.56	5.31	6.44	4.89	9.40	5.62	6.20	5.67	4.62	6.89	7.33	5.88
17	6.39	5.33	6.48	4.71	10.20	5.49	6.35	5.61	6.14	7.07	7.23	5.94
18	6.35	5.54	6.39	4.84	9.73	5.95	6.03	5.60	5.63	7.01	7.48	5.08
19	6.22	5.68	5.89	4.25	9.56	6.30	5.92	5.70	6.08	7.01	7.58	4.61
20	5.57	5.62	5.37	4.80	8.15	6.10	4.38	5.78	6.34	6.52	7.30	4.99
21	5.64	5.51	4.61	---	7.64	6.20	4.42	5.77	5.94	6.51	7.14	5.24
22	5.65	5.25	3.65	---	7.63	6.10	4.78	5.74	4.48	7.06	6.94	5.35
23	5.38	5.23	3.70	---	5.89	5.20	4.00	5.50	4.74	7.42	6.60	5.56
24	5.38	5.29	5.23	5.55	5.84	5.20	4.14	5.25	5.57	7.16	6.58	5.43
25	4.87	5.79	5.84	5.10	8.16	6.26	3.50	5.07	6.12	6.94	6.82	5.61
26	4.62	5.78	6.04	4.23	10.15	6.40	3.67	5.13	6.09	6.78	7.05	5.50
27	4.75	5.78	6.40	4.41	11.13	6.10	3.14	5.20	6.38	6.20	6.75	5.41
28	5.09	---	6.74	4.71	10.09	6.28	3.11	5.20	6.47	7.53	6.47	5.42
29	5.69	---	4.28	4.70	---	5.92	3.45	5.03	5.12	9.21	6.74	5.50
30	4.99	---	3.57	5.34	---	5.04	3.68	4.81	5.19	9.36	7.67	---
31	4.97	---	4.98	5.99	---	4.47	---	4.09	---	8.74	6.54	---
MEAN	5.87	---	---	---	9.46	6.82	4.74	4.96	5.24	6.64	7.41	---
MAX	7.26	---	---	---	18.25	9.61	6.35	6.03	6.58	9.36	8.40	---
MIN	4.62	---	---	---	4.85	4.47	3.11	3.14	3.58	5.01	6.47	---

APALACHICOLA RIVER BASIN

31

02342500 UCHEE CREEK NEAR FORT MITCHELL, AL

LOCATION.--Lat 32°19'00", long 85°00'54", in SW¼ sec. 3, T. 15 N., R. 30 E., Russell County, Hydrologic Unit 03130003, 50 ft right of channel, 100 ft upstream from bridge on State Highway 165, 2 mi south of Fort Mitchell, 4.8 mi downstream from Little Uchee Creek, and 5.3 mi upstream from mouth.

DRAINAGE AREA.--322 mi².

PERIOD OF RECORD.--October 1946 to current year. Monthly discharge only October 1946 to August 1953, published in WSP 1724.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 201.76 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 1, 1953, at site 1,000 ft upstream at same datum, and Sept. 1, 1953 to Aug. 15, 1965, at site 120 ft downstream at same datum.

REMARKS.--No estimated daily discharges. Records fair. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--39 years, 440 ft³/s, 18.56 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,100 ft³/s, Apr. 9, 1964, gage height, 26.45 ft; minimum, 5.6 ft³/s, Oct. 5, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 7	0100	*4,510	*7.03				

Minimum discharge, 16 ft³/s, June 11, 26, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	25	32	66	64	185	563	225	72	39	70	200	85	
2	24	29	59	225	471	693	210	75	34	48	148	64	
3	23	29	138	545	717	565	189	128	33	42	114	52	
4	23	29	158	415	464	448	180	154	32	61	87	45	
5	22	29	504	280	611	394	180	110	35	73	72	44	
6	23	27	514	202	3230	365	464	88	34	142	65	41	
7	23	27	340	163	3110	331	530	79	33	200	84	37	
8	22	25	204	139	1150	309	318	256	30	150	95	51	
9	22	23	143	127	614	291	235	672	29	122	81	137	
10	21	23	120	116	472	284	201	899	19	80	81	66	
11	20	37	105	113	445	265	184	620	18	58	76	47	
12	20	35	96	105	519	253	186	396	26	52	69	40	
13	19	30	89	99	462	251	174	251	26	50	60	36	
14	18	28	83	97	391	254	171	179	26	64	50	33	
15	19	27	80	95	352	248	277	138	25	122	47	28	
16	21	26	80	93	323	246	457	106	25	129	47	26	
17	22	26	77	133	309	274	388	90	26	140	51	23	
18	23	26	75	238	294	269	267	81	59	127	54	22	
19	23	29	74	248	277	235	205	71	93	83	46	20	
20	23	32	72	185	271	218	180	67	56	61	41	20	
21	23	32	72	150	271	272	160	65	39	48	38	19	
22	24	32	72	155	259	439	145	82	30	41	36	19	
23	25	35	71	122	248	581	129	72	22	36	30	19	
24	25	36	69	122	231	401	121	69	20	56	30	29	
25	24	32	69	133	514	359	113	60	19	96	62	33	
26	21	28	69	135	1250	307	107	50	17	85	62	30	
27	20	27	67	129	1380	255	100	43	17	217	66	25	
28	20	80	67	130	752	238	90	41	76	370	71	23	
29	26	76	65	132	---	238	83	40	218	658	73	23	
30	38	74	64	133	---	230	78	41	125	560	116	22	
31	33	---	64	149	---	219	---	40	---	366	122	---	
TOTAL	715	1021	3826	5172	19572	10295	6347	5135	1281	4407	2274	1159	
MEAN	23.1	34.0	123	167	699	332	212	166	42.7	142	73.4	38.6	
MAX	38	80	514	545	3230	693	530	899	218	658	200	137	
MIN	18	23	59	64	185	218	78	40	17	36	30	19	
CFSM	.07	.11	.38	.52	2.17	1.03	.66	.52	.13	.44	.23	.12	
IN.	.08	.12	.44	.60	2.26	1.19	.73	.59	.15	.51	.26	.13	
CAL YR 1984	TOTAL	118025		MEAN	322	MAX	3850	MIN	18	CFSM	1.00	IN.	13.64
WTR YR 1985	TOTAL	61204		MEAN	168	MAX	3230	MIN	17	CFSM	.52	IN.	7.07

APALACHICOLA RIVER BASIN

02342933 SOUTH FORK COWIKEE CREEK NEAR BATESVILLE, AL

LOCATION.--Lat 32°01'03", long 85°17'45", in SE¼ sec. 14, T. 12 N., R. 27 E., Barbour County, Hydrologic Unit 03130003, on left bank at downstream side of bridge on county road, 0.1 mi downstream from Bear Creek, 1.2 mi northeast of Batesville, 11.2 mi northwest of Eufaula, and 13.0 mi upstream from mouth.

DRAINAGE AREA.--112 mi².

PERIOD OF RECORD.--October 1963 to September 1971, October 1972 to September 1974 (annual peak discharge only), October 1974 to current year.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 200 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--19 years (water years 1964-1971, 1975-1985), 125 ft³/s, 15.16 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,100 ft³/s, Feb. 17, 1975, gage height, 37.08 ft; minimum, 0.44 ft³/s, Sept. 30, Oct. 1, 2, 3, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 3,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
June 18	1900	*1,820	*9.39				

Minimum discharge, 1.5 ft³/s, Oct. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	2.6	4.3	11	13	39	276	36	9.0	12	9.7	13	12	
2	2.5	3.9	10	24	165	325	31	12	11	7.9	14	9.7	
3	2.6	4.7	13	48	63	122	31	19	9.2	6.6	187	8.0	
4	2.6	6.2	18	32	36	85	29	16	8.4	9.1	30	8.1	
5	2.7	6.2	173	25	165	71	34	11	7.5	17	18	14	
6	2.4	5.2	54	21	780	61	242	9.3	7.1	27	14	13	
7	2.4	4.5	29	19	180	53	66	11	8.2	30	12	10	
8	2.2	4.4	23	18	97	50	41	81	8.2	23	11	10	
9	2.1	4.2	20	17	73	49	31	232	7.9	13	11	10	
10	2.0	4.8	17	16	62	47	27	850	13	10	10	7.6	
11	1.9	5.2	15	16	71	43	25	259	13	8.3	9.9	6.1	
12	1.8	4.7	13	15	90	42	25	79	14	6.7	12	4.8	
13	1.8	4.5	12	14	64	41	23	49	11	5.6	11	4.0	
14	1.7	4.4	11	15	55	40	25	36	8.8	6.5	8.1	3.6	
15	1.7	5.0	10	14	52	38	60	29	8.4	170	7.5	3.0	
16	2.2	4.9	10	14	48	44	86	24	9.0	139	8.8	2.7	
17	2.4	4.9	9.8	18	45	62	43	21	9.0	31	8.2	2.7	
18	2.6	4.9	9.6	22	44	47	30	18	331	19	7.3	2.6	
19	2.3	5.4	9.4	18	43	38	25	17	230	15	6.1	2.4	
20	2.7	5.2	9.2	16	43	37	22	16	105	12	5.1	2.2	
21	2.8	5.4	9.0	18	41	54	18	16	26	10	4.6	2.1	
22	3.0	5.7	8.7	17	39	62	17	22	18	8.9	4.0	1.9	
23	3.0	5.6	8.4	19	39	47	16	25	13	7.8	3.3	3.4	
24	3.0	5.5	8.0	19	41	46	15	18	11	7.3	2.9	17	
25	2.8	5.6	7.8	17	154	43	14	15	9.8	7.6	28	12	
26	2.8	6.0	7.9	16	329	36	13	14	9.1	8.7	31	8.5	
27	2.8	6.9	7.6	17	199	34	11	14	8.2	12	29	8.7	
28	3.3	16	7.5	17	107	35	11	12	8.1	14	17	7.3	
29	6.5	12	7.3	17	---	34	11	15	19	18	19	6.3	
30	7.0	9.5	7.0	18	---	33	9.5	20	12	32	28	5.8	
31	5.8	---	6.8	31	---	34	---	14	---	20	17	---	
TOTAL	88.0	175.7	563.0	601	3164	2029	1067.5	1983.3	965.9	712.7	587.8	209.5	
MEAN	2.84	5.86	18.2	19.4	113	65.5	35.6	64.0	32.2	23.0	19.0	6.98	
MAX	7.0	16	173	48	780	325	242	850	331	170	187	17	
MIN	1.7	3.9	6.8	13	36	33	9.5	9.0	7.1	5.6	2.9	1.9	
CFSM	.03	.05	.16	.17	1.01	.58	.32	.57	.29	.21	.17	.06	
IN.	.03	.06	.19	.20	1.05	.67	.35	.66	.32	.24	.20	.07	
CAL YR 1984	TOTAL	26199.5		MEAN	71.6	MAX	1560	MIN	1.7	CFSM	.64	IN.	8.70
WTR YR 1985	TOTAL	12147.4		MEAN	33.3	MAX	850	MIN	1.7	CFSM	.30	IN.	4.03

APALACHICOLA RIVER BASIN

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02343300 ABBIE CREEK NEAR HALEBURG, AL

LOCATION.--Lat 31°28'24", long 85°09'45", in E4 sec. 19, T. 6 N., R. 29 E., Henry County, Hydrologic Unit 03130004, on right bank on downstream side of bridge on State Highway 95, 1.2 mi upstream from Peterman Creek, 4.5 mi northwest of Haleburg, 7.8 mi upstream from mouth, and 9 mi southeast of Abbeville.

DRAINAGE AREA.--146 mi².

PERIOD OF RECORD.--June 1958 to September 1971, October 1974 to current year.

REVISED RECORDS.--WSP 2106: 1969(M). WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 145.74 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--24 years (water years 1959-71, 1975-85), 212 ft³/s, 19.72 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,590 ft³/s, Mar. 31, 1970, gage height, 23.84 ft; minimum, 8.8 ft³/s, July 18, 19, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,250 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 7	0200	*4,180	*15.59				

Minimum discharge, 15 ft³/s, Sept. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	44	68	96	74	320	377	122	61	43	51	90	54	
2	44	64	87	143	617	513	112	61	40	42	90	44	
3	45	71	84	331	407	312	111	63	37	56	62	40	
4	44	98	89	323	284	249	107	61	33	234	50	45	
5	44	88	427	208	569	218	115	56	32	122	42	158	
6	43	73	342	146	2370	193	364	54	32	298	37	57	
7	45	66	188	122	2500	175	204	53	31	533	37	43	
8	44	64	137	108	728	165	168	54	31	310	106	44	
9	45	65	115	99	411	162	132	186	34	169	114	40	
10	43	72	106	94	305	157	118	806	40	103	147	35	
11	41	153	101	92	336	146	112	482	57	72	99	30	
12	41	112	96	87	350	144	112	267	125	58	79	27	
13	41	83	94	83	265	142	111	157	66	175	56	25	
14	41	72	88	82	222	140	112	113	48	80	52	23	
15	44	70	84	80	203	164	154	91	45	116	80	20	
16	71	71	81	78	186	149	289	74	53	75	82	19	
17	68	72	79	109	175	197	207	64	52	109	69	18	
18	56	70	77	137	167	167	148	59	76	162	63	18	
19	53	86	76	107	162	145	119	57	88	149	49	18	
20	53	109	76	98	157	131	107	56	105	90	42	17	
21	55	94	77	78	147	192	98	58	75	63	37	16	
22	59	80	87	75	141	197	90	74	52	51	32	17	
23	62	74	92	89	139	195	87	180	46	49	29	20	
24	60	73	86	89	140	193	89	109	43	47	47	43	
25	55	73	82	97	301	149	90	74	41	51	84	37	
26	52	73	79	89	325	131	83	60	45	60	124	31	
27	51	76	76	81	326	123	75	54	43	96	110	26	
28	53	272	75	131	249	124	72	50	51	101	73	22	
29	143	183	75	112	---	123	69	48	61	73	64	20	
30	97	118	75	128	---	121	65	54	64	91	88	52	
31	78	---	75	268	---	118	---	47	---	75	71	---	
TOTAL	1715	2743	3402	3838	12502	5712	3842	3683	1589	3761	2205	1059	
MEAN	55.3	91.4	110	124	447	184	128	119	53.0	121	71.1	35.3	
MAX	143	272	427	331	2500	513	364	806	125	533	147	158	
MIN	41	64	75	74	139	118	65	47	31	42	29	16	
CFSM	.38	.63	.75	.85	3.06	1.26	.88	.82	.36	.83	.49	.24	
IN.	.44	.70	.87	.98	3.19	1.46	.98	.94	.40	.96	.56	.27	
CAL YR 1984	TOTAL	80924		MEAN	221	MAX	2930	MIN	41	CFSM	1.51	IN.	20.62
WTR YR 1985	TOTAL	46051		MEAN	126	MAX	2500	MIN	16	CFSM	.86	IN.	11.73

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL
(National stream-quality accounting network station)

LOCATION.--Lat 31°15'33", long 85°06'37", Early County, Ga.-Houston County, Ala., Hydrologic Unit 03130004, at left end of George W. Andrews Lock and Dam, 1.3 mi downstream from Omusee Creek, 2.3 mi south of Columbia, Ala., and at mile 46.5.

DRAINAGE AREA.--8,210 mi², approximately.

WATER-DISCHARGE RECORDS

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

GAGE.--Gate-opening and water-stage recorders. Datum of headwater gage and tailwater gages is National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records fair. Flow regulated by Lake Sidney Lanier, West Point Lake, Lake Harding, Walter F. George Lake, and George W. Andrews Reservoir. (No adjustments made for George W. Andrews Reservoir's annual change in contents, which is insignificant.)

AVERAGE DISCHARGE.--10 years, 11,540 ft³/s, 19.02 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 131,000 ft³/s, Jan. 27, 1978, maximum headwater gage height, 118.12 ft, Jan. 27, 1978, maximum tailwater gage height, 116.66 ft, Jan. 27, 1978; minimum daily discharge, 519 ft³/s, June 13, 1982.

EXTREMES FOR PERIOD OF RECORD.--Flood of March 1929, thought to be the highest since 1827, based on station on Chattahoochee River at Columbia, Ala., 2.4 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35,200 ft³/s, Feb. 6, maximum headwater gage height, 103.47 ft, Jan. 3, maximum tailwater gage height, 92.70 ft, Feb. 7; minimum daily discharge, 796 ft³/s, Jan. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	7270	6610	2030	4030	10600	18700	9990	3990	2210	5210	8090	863		
2	7570	6470	950	10600	4500	12300	11200	2630	923	6490	8500	7870		
3	6200	1790	7140	10100	2950	9390	11300	8740	7520	6260	5320	8790		
4	6050	844	8680	10900	8410	18200	14200	2590	6900	6440	1980	8840		
5	6340	5750	10500	3800	11700	19300	15600	905	6270	6440	10600	8980		
6	1290	6440	14200	931	33900	18900	8530	3850	6190	1650	10400	8830		
7	884	6650	13500	6190	33100	15000	1640	4930	6350	1550	8080	6860		
8	5660	6660	7690	5050	29200	14100	11300	5090	1080	6550	8120	1280		
9	6400	6640	1420	5090	29100	1980	12200	3450	911	5110	8200	6160		
10	4850	1880	7010	4450	13900	1460	12700	6890	6000	4780	9170	6580		
11	4680	1160	7600	4460	18200	8340	10600	2550	7240	6290	8940	10300		
12	4800	5340	7430	1240	19600	9380	9690	1490	7590	2410	8330	7780		
13	1290	6820	11600	899	19000	9080	4120	5960	7530	1080	8550	6790		
14	865	6570	11800	5080	19100	9300	2330	2040	7620	935	8780	1550		
15	3710	6860	1690	5550	19100	8970	7630	2160	1800	4620	9040	868		
16	4760	6620	1050	7630	12500	6500	9300	1470	943	5100	9000	11100		
17	7140	1970	9630	7670	2830	2370	8740	1060	5270	6150	1530	14400		
18	7220	917	11400	7660	15700	7510	12900	892	6080	5270	1140	25800		
19	7190	3270	11200	1820	17000	8470	7090	964	6250	4990	10200	9950		
20	1570	5780	11000	3740	15000	8560	4150	2920	6260	1380	10500	9870		
21	922	7580	11300	16100	13500	9560	2350	4910	6020	844	10700	1550		
22	7700	6470	1950	8020	13400	15500	4170	7060	1220	4730	11800	843		
23	8000	5010	1020	8370	2080	3150	5350	7810	878	5760	12900	8070		
24	7650	2720	8110	6410	1150	1380	5340	7490	3610	6240	2440	9790		
25	7830	921	9680	5620	8890	9110	5440	1780	4240	6550	1210	10000		
26	7760	6570	9650	995	10500	11100	5290	976	5700	6860	11100	9960		
27	1530	7600	9710	796	18200	11300	1760	2550	5830	1520	12100	9940		
28	937	8400	9950	8840	18100	13400	936	8310	5890	880	11900	1740		
29	6580	8490	2640	8750	---	14100	2410	11500	1430	6720	12100	896		
30	6790	7930	1060	9400	---	2580	2580	12000	888	7930	12200	6050		
31	6880	---	4140	10000	---	1190	---	11900	---	9140	1630	---		
TOTAL	158318	156732	226730	190191	421210	300180	220836	140857	136643	145879	254550	222300		
MEAN	5107	5224	7314	6135	15040	9683	7361	4544	4555	4706	8211	7410		
MAX	8000	8490	14200	16100	33900	19300	15600	12000	7620	9140	12900	25800		
MIN	865	844	950	796	1150	1190	936	892	878	844	1140	843		
CAL YR 1984	TOTAL	4300202	MEAN	11750	MAX	38700	MIN	759	MEAN	+11160	CFSM	+1.36	IN	+18.46
WTR YR 1985	TOTAL	2574426	MEAN	7053	MAX	33900	MIN	796	MEAN	+6901	CFSM	+0.84	IN	+11.41

† Adjusted for change in contents in Lake Sidney Lanier, West Point, Lake Harding, and Walter F. George Lake.

APALACHICOLA RIVER BASIN

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02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT													
10...	1130	1720	66	7.4	22.0	3.1	6.9	79	12	K160	18	0	5.1
10...	1135	1720	--	--	22.0	--	--	--	--	--	--	--	--
JAN													
15...	1200	6350	73	7.5	10.0	5.0	10.7	95	32	K10	19	9	5.5
15...	1205	6350	--	--	10.0	--	--	--	--	--	--	--	--
FEB													
26...	1300	14600	68	7.0	10.5	9.0	10.2	92	96	140	18	0	5.1
26...	1305	14600	--	--	10.5	--	--	--	--	--	--	--	--
MAY													
02...	1130	801	86	7.4	22.5	5.5	8.1	95	9	70	24	5	7.4
02...	1135	801	--	--	22.5	--	--	--	--	--	--	--	--
JUL													
11...	0830	1720	75	7.2	27.5	3.5	4.7	60	49	100	22	0	6.5
11...	0835	1720	--	--	27.5	--	--	--	--	--	--	--	--
AUG													
14...	1030	1600	82	7.2	28.0	1.7	4.6	59	15	7	22	0	6.5
14...	1035	1600	--	--	28.0	--	--	--	--	--	--	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT												
10...	1.2	5.1	36	0.5	1.8	18	1.4	7.3	4.0	0.10	6.3	48
JAN												
15...	1.3	6.4	40	.7	1.4	10	.6	8.9	4.8	<.10	7.4	62
FEB												
26...	1.2	5.8	39	.6	1.8	17	3.3	8.3	6.5	<.10	7.7	25
MAY												
02...	1.3	5.0	30	.5	1.6	19	1.5	8.0	4.6	<.10	6.2	54
JUL												
11...	1.4	5.6	34	.5	1.7	22	2.7	9.0	4.6	<.10	2.0	48
AUG												
14...	1.4	7.2	39	.7	2.0	24	2.9	7.8	4.9	.10	1.6	46

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT										
10...	42	0.07	223	<.10	0.030	0.04	0.50	<.010	<.010	<.010
JAN										
15...	42	.08	1060	.61	.060	.08	.90	.010	.020	<.010
FEB										
26...	47	.03	985	.49	.090	.12	.50	.070	<.010	<.010
MAY										
02...	46	.07	117	.54	.080	.10	.30	.020	<.010	.030
JUL										
11...	44	.07	223	<.10	.060	.08	.50	<.010	.040	<.010
AUG										
14...	46	.06	199	<.10	.100	.13	.40	<.010	<.010	.010

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 10...	<10	<1	19	0.0	<1	<1	<3	3	10
JAN 15...	20	<1	18	<.5	<1	<1	<3	<1	27
MAY 02...	20	<1	19	.9	<1	<1	<3	3	42
AUG 14...	20	1	18	<.5	1	<1	<3	6	26

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 10...	<1	<4	2	<.1	<10	2	<1	<1	28	<6	<3
JAN 15...	<1	<4	2	.1	<10	<1	<1	<1	28	<6	10
MAY 02...	3	<4	2	.5	<10	<1	<1	<1	31	<6	9
AUG 14...	1	<4	15	<.1	<10	8	<1	<1	34	<6	8

DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, CHARGE, SUS- PENDEDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 10...	13	60	60
JAN 15...	12	206	64
FEB 26...	18	710	93
MAY 02...	8	17	94
JUL 11...	17	79	76
AUG 14...	13	56	73

02361000 CHOCTAWHATCHEE RIVER NEAR NEWTON, AL

LOCATION.--Lat 31°20'30", long 85°36'43", in SE¼ sec. 2, T. 4 N., R. 24 E., Dale County, Hydrologic Unit 03140201, on left bank at downstream side of bridge on State Highway 123, 200 ft downstream from abandoned mill dam, 1,500 ft upstream from Hurricane Creek, 0.8 mi north of Newton, 1 mi downstream from Atlantic Coast Line Railroad bridge, and at mile 133.0.

DRAINAGE AREA.--686 mi².

PERIOD OF RECORD.--June 1906 to August 1908, October 1911 to August 1912 (gage heights only), November 1921 to September 1927, May 1935 to current year. Monthly discharge only for period January to April 1925, published in WSP 1304. Gage-height records collected near same site from 1931 to December 1971 are contained in reports of the National Weather Service.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 138.56 ft above National Geodetic Vertical Datum of 1929. See WSP 1304 or 1724 for history of changes prior to Sept. 9, 1938.

REMARKS.--No estimated daily discharges. Records good. Prior to January 1941 moderate diurnal fluctuation at low flow caused by gristmills above station. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--55 years (water years 1923-27, 1936-85), 975 ft³/s, 19.30 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,800 ft³/s, Jan. 20, 1936; maximum gage height, 31.26 ft, Jan. 27, 1978; minimum daily, 61 ft³/s, Sept. 8, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1900, 42 ft present site and datum, Mar. 15, 1929, from information by State Highway Department (discharge not determined).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (°):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 7	1700	*12,000	*24.21				
Minimum, 93 ft ³ /s, Sept. 22, 23.							

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	111	257	431	304	1050	1660	566	229	181	147	408	219	
2	110	226	372	553	1740	2390	534	217	169	145	338	185	
3	112	213	341	917	1710	1830	511	212	157	130	350	181	
4	112	240	325	925	1270	1550	492	251	144	122	238	197	
5	112	259	755	741	2080	1360	482	284	133	237	177	499	
6	113	270	958	625	8250	1140	994	266	125	628	151	358	
7	113	245	806	554	11400	970	843	225	116	971	225	250	
8	113	221	739	477	9570	875	695	215	109	888	415	232	
9	116	206	611	430	3750	823	623	533	113	703	419	208	
10	113	213	495	402	2090	790	534	2240	120	506	476	205	
11	111	303	438	391	1710	759	475	2240	124	344	446	183	
12	111	315	412	372	1700	735	449	1370	256	285	441	159	
13	111	271	395	354	1450	725	429	842	443	481	417	143	
14	112	238	380	348	1270	716	431	603	301	382	307	130	
15	119	224	365	340	1160	706	488	463	247	535	310	121	
16	146	218	355	327	1040	700	938	386	237	315	429	114	
17	150	219	345	382	943	824	1020	338	263	333	382	107	
18	157	217	336	511	887	862	799	306	377	427	353	102	
19	152	247	329	522	846	792	627	286	439	444	269	98	
20	151	305	322	474	819	726	508	273	413	503	210	97	
21	162	290	320	404	784	751	436	266	439	356	185	95	
22	188	265	324	345	748	1030	394	365	371	235	166	95	
23	190	243	333	329	723	1160	366	612	274	188	145	100	
24	182	229	328	340	707	1070	350	471	207	262	133	135	
25	172	221	321	366	1010	986	360	373	169	303	234	167	
26	162	219	317	368	1370	774	345	299	216	240	302	177	
27	155	222	307	350	1500	665	316	252	189	241	388	160	
28	160	417	300	437	1350	619	294	220	165	333	400	145	
29	254	507	294	454	---	595	277	211	149	383	390	131	
30	297	489	293	491	---	578	253	210	155	298	327	122	
31	274	---	292	816	---	563	---	200	---	454	267	---	
TOTAL	4641	8009	12939	14649	62927	29724	15829	15258	6801	11819	9698	5115	
MEAN	150	267	417	473	2247	959	528	492	227	381	313	171	
MAX	297	507	958	925	11400	2390	1020	2240	443	971	476	499	
MIN	110	206	292	304	707	563	253	200	109	122	133	95	
CFSM	.22	.39	.61	.69	3.28	1.40	.77	.72	.33	.56	.46	.25	
IN.	.25	.43	.70	.79	3.41	1.61	.86	.83	.37	.64	.53	.28	
CAL YR 1984	TOTAL	314667		MEAN	860	MAX	6320	MIN	110	CFSM	1.25	IN.	17.06
WTR YR 1985	TOTAL	197409		MEAN	541	MAX	11400	MIN	95	CFSM	.79	IN.	10.70

CHOCTAWHATCHEE RIVER BASIN

02361000 CHOCTAWHATCHEE RIVER NEAR NEWTON, AL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.05	2.72	3.32	2.86	5.27	6.98	4.02	2.80	2.52	2.31	3.35	2.60
2	2.04	2.60	3.11	3.74	7.04	8.59	3.91	2.75	2.46	2.30	3.10	2.45
3	2.05	2.54	3.00	4.92	6.98	7.41	3.82	2.73	2.39	2.20	3.14	2.42
4	2.05	2.65	2.94	4.94	5.89	6.81	3.76	2.88	2.31	2.15	2.72	2.48
5	2.05	2.72	4.40	4.37	7.76	6.34	3.72	3.01	2.24	2.72	2.45	3.61
6	2.05	2.76	5.04	4.01	19.78	5.78	5.35	2.94	2.18	4.08	2.32	3.11
7	2.05	2.66	4.58	3.76	23.57	5.30	4.91	2.78	2.12	5.21	2.61	2.71
8	2.05	2.56	4.36	3.48	21.40	5.01	4.45	2.74	2.07	4.96	3.36	2.64
9	2.07	2.50	3.95	3.32	11.56	4.85	4.22	3.89	2.09	4.38	3.38	2.53
10	2.04	2.52	3.55	3.21	7.96	4.75	3.91	8.22	2.14	3.72	3.58	2.52
11	2.02	2.87	3.34	3.17	7.16	4.65	3.69	8.25	2.16	3.14	3.47	2.41
12	2.02	2.90	3.25	3.11	7.16	4.57	3.60	6.35	2.79	2.92	3.45	2.29
13	2.02	2.74	3.19	3.04	6.56	4.54	3.53	4.89	3.49	3.62	3.36	2.20
14	2.03	2.61	3.13	3.02	6.12	4.51	3.54	4.13	2.98	3.27	2.96	2.11
15	2.07	2.56	3.08	2.99	5.82	4.48	3.74	3.63	2.78	3.81	2.97	2.05
16	2.24	2.53	3.05	2.95	5.49	4.46	5.18	3.36	2.74	3.03	3.40	1.99
17	2.27	2.54	3.01	3.14	5.22	4.85	5.43	3.18	2.83	3.10	3.23	1.94
18	2.31	2.53	2.98	3.60	5.05	4.97	4.77	3.06	3.26	3.43	3.13	1.91
19	2.27	2.65	2.95	3.64	4.92	4.75	4.23	2.99	3.48	3.49	2.81	1.88
20	2.27	2.87	2.93	3.47	4.84	4.54	3.81	2.94	3.38	3.70	2.58	1.86
21	2.32	2.82	2.92	3.22	4.73	4.62	3.55	2.90	3.48	3.18	2.47	1.84
22	2.46	2.72	2.93	3.01	4.61	5.47	3.41	3.26	3.23	2.73	2.37	1.84
23	2.47	2.63	2.97	2.95	4.53	5.83	3.30	4.14	2.88	2.53	2.25	1.88
24	2.42	2.58	2.95	2.99	4.49	5.57	3.25	3.64	2.61	2.80	2.16	2.12
25	2.37	2.55	2.93	3.08	5.39	5.34	3.28	3.28	2.43	2.99	2.65	2.31
26	2.31	2.54	2.91	3.09	6.36	4.70	3.23	3.02	2.65	2.75	2.92	2.36
27	2.28	2.55	2.87	3.03	6.68	4.35	3.13	2.84	2.53	2.75	3.24	2.26
28	2.29	3.27	2.85	3.34	6.31	4.21	3.05	2.71	2.41	3.09	3.28	2.17
29	2.69	3.59	2.83	3.40	---	4.12	2.99	2.67	2.32	3.27	3.24	2.08
30	2.88	3.52	2.82	3.53	---	4.06	2.89	2.66	2.36	2.96	3.00	2.02
31	2.79	---	2.82	4.61	---	4.01	---	2.61	---	3.52	2.79	---
MEAN	2.24	2.73	3.26	3.45	7.81	5.17	3.86	3.59	2.64	3.23	2.96	2.29
MAX	2.88	3.59	5.04	4.94	23.57	8.59	5.43	8.25	3.49	5.21	3.58	3.61
MIN	2.02	2.50	2.82	2.86	4.49	4.01	2.89	2.61	2.07	2.15	2.16	1.84
CAL YR 1984	MEAN	4.55	MAX	16.94	MIN	2.02						
WTR YR 1985	MEAN	3.57	MAX	23.57	MIN	1.84						

CHOCTAWHATCHEE RIVER BASIN

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CHOCTAWHATCHEE RIVER MAIN STEM

02362000 (NWS 01-3255-07) CHOCTAWHATCHEE RIVER NEAR GENEVA, AL

LOCATION.--Lat 31°02', long 85°52', in SW¼ sec. 21, T. 1 N., R. 22 E., Geneva County, Hydrologic Unit 03140201, on downstream side of State Highway 52 bridge, 1 mi northeast of Geneva, and 1.4 mi upstream from Pea River.

DRAINAGE AREA.--1,346 mi².

PERIOD OF RECORD.--November 1928 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. November 1928 to December 1971 collected by National Weather Service. See WSP 1304 for discharge records for June 1922 to November 1926 and gage heights and discharge measurements only from August to December 1904. January 1929 to December 1971, published in "Daily River Stages."

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is 62.80 ft above National Geodetic Vertical Datum of 1929. Prior to Apr. 11, 1967, nonrecording gage located on highway bridge 30 ft upstream from present site at same datum.

COOPERATION.--Records provided by National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 46.9 ft, Mar. 16, 1929; minimum gage height, 0.9 ft, Sept. 24, 1941.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 22.00 ft, Feb. 8; minimum gage height, 2.00 ft, Sept. 21.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.56	3.02	4.60	3.14	7.50	9.90	4.86	3.29	2.84	2.64	---	---
2	2.82	2.96	3.59	3.00	8.20	10.70	4.62	3.13	2.77	2.56	4.00	3.01
3	2.95	2.94	3.40	4.95	10.02	12.71	4.45	3.20	2.68	2.56	3.40	3.32
4	2.35	---	3.19	5.00	10.75	13.02	4.38	3.14	2.62	2.45	3.62	3.63
5	2.29	3.75	4.40	6.00	10.38	11.13	4.30	3.10	2.57	2.39	3.12	3.94
6	---	3.31	7.41	4.95	10.80	9.23	4.40	3.17	2.50	2.65	2.75	4.14
7	2.34	3.29	7.79	4.44	17.00	8.40	6.50	3.14	2.38	6.46	2.56	3.66
8	2.96	3.19	6.98	4.11	22.00	7.90	5.83	3.13	2.33	3.25	3.15	3.09
9	2.33	3.06	5.01	3.83	18.00	7.50	5.05	4.00	2.28	5.36	5.46	3.04
10	2.18	3.02	4.44	3.72	---	5.26	4.73	6.54	2.44	4.45	4.80	3.02
11	2.19	2.94	3.89	---	---	6.11	4.40	9.74	2.58	3.93	4.27	2.80
12	2.17	3.52	3.76	3.63	---	5.88	4.60	---	2.71	3.64	4.00	---
13	2.16	3.26	3.81	3.38	11.50	5.68	4.10	8.54	4.30	3.80	3.68	2.60
14	2.24	2.98	3.76	3.28	9.60	5.60	4.00	6.19	4.34	3.95	3.60	2.47
15	2.27	2.93	3.68	3.26	9.60	5.50	4.00	4.91	3.50	3.68	3.56	2.33
16	2.30	2.86	3.39	3.18	9.60	5.80	4.50	4.20	3.30	4.79	4.28	2.23
17	2.62	2.79	3.30	3.80	6.80	5.72	5.80	3.80	3.52	4.20	4.25	2.19
18	2.60	2.80	3.30	4.00	6.43	6.43	5.98	3.39	3.31	3.65	4.07	2.14
19	2.56	2.81	3.40	4.30	6.19	5.99	5.20	3.23	3.80	3.78	3.57	2.12
20	2.50	3.18	---	4.06	6.00	5.64	5.15	3.12	4.15	---	3.19	2.08
21	2.55	3.32	3.50	4.02	6.00	5.70	5.29	3.02	3.70	3.60	3.20	2.00
22	2.63	3.25	3.00	3.59	5.40	6.50	4.03	3.04	3.60	3.30	2.94	---
23	2.89	3.16	3.30	3.42	5.70	7.40	3.78	---	3.40	2.90	2.76	2.38
24	2.90	3.01	3.36	3.40	5.50	6.99	3.65	5.40	3.12	3.20	2.70	---
25	2.70	2.78	2.28	3.50	5.98	6.32	3.64	5.00	2.88	3.24	3.18	3.34
26	2.52	2.75	3.30	3.50	---	6.30	3.80	3.71	2.81	4.32	3.71	3.00
27	2.45	2.77	2.70	3.48	9.80	6.80	3.64	3.60	2.84	3.61	4.07	2.74
28	2.53	3.13	2.66	3.69	9.90	5.50	3.49	3.12	2.93	3.20	4.28	2.56
29	2.55	2.54	---	---	---	5.20	3.42	---	2.70	3.47	3.75	2.42
30	2.74	4.88	3.12	4.10	---	4.90	3.33	2.90	2.66	3.72	---	2.31
31	3.21	---	3.14	5.30	---	4.78	---	2.90	---	3.55	3.60	---
MEAN	---	---	---	---	---	7.11	4.50	---	3.05	---	---	---
MAX	---	---	---	---	---	13.02	6.50	---	4.34	---	---	---
MIN	---	---	---	---	---	4.78	3.33	---	2.28	---	---	---

CHOCTAWHATCHEE RIVER BASIN

02364000 (NWS 01-2577-07) PEA RIVER AT ELBA, AL

LOCATION.--Lat 31°24'55", long 86°03'45", in SE¼ sec. 8, T. 5 N., R. 20 E., Coffee County, Hydrologic Unit 03140202, on downstream side of bridge on U.S. Highway 84 in Elba, 0.2 mi downstream from Whitewater Creek, and 4.5 mi upstream from Elba Dam.

DRAINAGE AREA.--959 mi².

PERIOD OF RECORD.--February 1930 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. February 1930 to December 1971 collected by National Weather Service. See WSP 1304 for record of discharge from May 1935 to September 1947 and gage heights for June to December 1906. February 1930 to December 1971, published in "Daily River Stages."

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is 159.24 ft above National Geodetic Vertical Datum of 1929. Prior to June 19, 1934, at datum 0.1 ft lower.

REMARKS.--Stage affected by operation of hydroelectric plant at Elba Dam.

COOPERATION.--Records provided by National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 37.0 ft, Feb. 20, 1975; minimum gage height, 0.5 ft, May 14, 15, 1932.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached a stage of 43.5 ft from reports of National Weather Service.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 19.00 ft, Feb. 6; minimum gage height, 5.55 ft, Oct. 1.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.55	7.05	7.75	7.42	8.60	9.55	7.95	7.30	7.05	6.90	7.95	7.65
2	6.60	7.05	7.65	7.60	10.30	13.20	7.90	7.25	7.00	6.90	7.80	7.60
3	6.80	7.15	7.55	8.20	9.95	12.20	7.95	7.45	7.00	6.90	7.50	7.60
4	6.80	7.25	7.50	8.50	9.75	11.05	7.90	7.54	6.95	6.90	7.45	7.44
5	6.80	7.50	9.00	8.45	9.60	10.20	7.90	7.65	6.95	6.85	7.35	7.50
6	6.85	7.60	9.05	8.40	19.00	9.80	8.15	7.65	6.90	6.95	7.20	7.45
7	6.85	7.30	9.50	8.10	13.85	9.40	8.20	7.54	6.90	7.90	7.10	7.35
8	6.85	7.20	8.95	7.95	12.60	8.90	8.35	7.50	6.85	7.90	7.30	7.20
9	6.80	7.10	8.45	7.85	11.35	8.70	8.20	8.50	6.85	7.60	7.35	7.15
10	6.80	7.10	8.25	7.75	11.15	8.55	8.10	9.30	6.95	7.45	7.45	7.10
11	6.85	7.14	8.00	7.75	10.50	8.45	8.10	9.70	6.95	7.30	7.55	7.10
12	6.85	7.10	7.85	7.70	10.15	8.40	7.95	10.05	7.85	7.15	7.55	7.10
13	6.85	7.10	7.75	7.70	9.45	8.35	7.80	9.30	7.70	7.20	7.30	7.05
14	6.85	7.10	7.70	7.60	9.05	8.30	7.80	8.95	7.35	7.25	7.20	7.05
15	6.90	7.10	7.65	7.55	8.85	8.25	7.95	8.65	7.20	7.25	7.10	7.00
16	6.90	7.10	7.60	7.54	8.70	8.20	8.85	8.05	7.30	7.25	7.20	6.95
17	6.90	7.10	7.60	7.75	8.55	8.55	8.95	7.70	7.25	7.00	7.40	6.90
18	7.00	7.15	7.55	8.10	8.45	8.50	8.50	7.55	7.25	7.60	7.44	6.85
19	7.00	7.15	7.55	8.00	8.35	8.40	8.30	7.40	7.35	7.30	7.25	6.85
20	6.95	7.20	7.54	7.90	8.30	8.30	8.15	7.30	7.75	7.10	7.15	6.80
21	6.95	7.15	7.54	7.80	8.25	8.35	---	7.20	7.65	7.00	7.05	6.80
22	6.95	7.14	7.50	7.70	8.20	9.00	7.85	7.15	7.45	6.95	7.00	6.80
23	6.95	7.10	7.50	7.65	8.15	8.60	7.70	8.20	7.35	6.90	6.95	6.80
24	6.95	7.10	7.50	7.65	8.15	8.45	7.65	7.55	7.30	6.90	6.90	7.35
25	6.95	7.10	7.50	7.65	9.25	8.30	7.65	7.40	7.20	7.30	6.90	7.35
26	6.95	7.10	7.45	7.65	9.95	8.20	7.65	7.30	7.10	7.25	6.90	7.30
27	6.95	7.10	7.45	7.65	10.10	8.10	7.60	7.25	7.05	7.45	7.25	7.20
28	7.00	7.70	7.45	7.85	9.95	8.10	7.50	7.20	7.00	7.05	8.15	7.15
29	7.00	7.95	7.45	7.90	---	8.05	7.45	7.15	7.00	7.94	8.05	7.10
30	7.05	8.00	7.45	7.90	---	8.00	7.40	7.10	6.95	7.85	8.00	7.00
31	7.05	---	7.45	8.80	---	7.95	---	7.05	---	8.50	7.85	---
MEAN	6.85	7.23	7.83	7.87	9.95	8.91	---	7.83	7.18	7.28	7.37	7.15
MAX	7.05	8.00	9.50	8.80	19.00	13.20	---	10.05	7.85	8.50	8.15	7.65
MIN	5.55	7.05	7.45	7.42	8.15	7.95	---	7.05	6.85	6.85	6.90	6.80

CHOCTAWHATCHEE RIVER BASIN

41

02364570 PANTHER CREEK NEAR HACODA, AL

LOCATION.--Lat 31°07'15", long 86°11'13", in SW¼ sec. 19, T. 2 N., R. 19 E., Geneva County, Hydrologic Unit 03140202, on right bank 50 ft upstream from county road bridge, and 5 mi northwest of Hacoda.

DRAINAGE AREA.--26.2 mi².

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

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 140 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Aug. 26 to Sept. 30. Records good except those for period of estimated record, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--11 years, 45.5 ft³/s, 23.58 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,590 ft³/s, Apr. 10, 1975, gage height, 15.32 ft; minimum, 1.0 ft³/s, July 18, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 450 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 6	0700	*1,170	*12.22				

Minimum discharge, 1.1 ft³/s, Oct. 2-4, 6-8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	1.3	4.2	19	13	94	144	22	8.6	5.6	6.0	9.5	7.0	
2	1.2	11	17	30	273	309	19	9.0	5.2	6.4	7.1	5.5	
3	1.1	78	16	37	133	120	19	11	4.8	15	7.7	18	
4	1.2	76	20	34	76	77	18	11	4.4	8.9	7.3	10	
5	1.3	41	100	24	255	61	18	8.4	4.0	6.5	5.4	9.7	
6	1.2	21	85	19	915	52	47	7.1	3.6	55	4.5	35	
7	1.1	14	45	17	305	45	41	6.4	3.2	83	4.2	16	
8	1.2	11	32	16	120	41	27	29	3.0	53	5.0	8.3	
9	1.3	9.6	27	15	82	39	21	209	3.5	28	7.0	4.2	
10	1.3	9.3	25	14	68	37	18	127	4.2	18	6.0	3.7	
11	1.3	12	23	14	76	35	17	73	9.7	12	6.7	3.1	
12	1.3	12	21	13	89	33	17	45	20	10	7.2	2.9	
13	1.3	9.6	19	12	74	33	15	29	20	10	6.2	2.8	
14	1.2	8.9	18	12	61	31	15	22	13	7.8	5.8	2.7	
15	2.9	8.5	17	11	54	36	21	17	11	8.5	5.6	2.6	
16	7.8	8.2	16	11	50	43	66	14	36	6.2	6.0	2.5	
17	6.3	8.1	16	30	47	61	50	11	24	6.6	5.9	2.5	
18	4.9	7.7	15	38	45	52	29	10	17	7.7	6.2	2.4	
19	3.9	15	14	25	42	39	21	8.4	25	6.1	4.9	2.3	
20	3.4	17	14	20	41	32	18	7.4	18	6.6	4.1	2.3	
21	3.0	13	14	16	38	59	15	6.7	13	5.7	3.5	2.2	
22	4.3	11	14	15	36	78	14	16	9.5	4.8	3.0	2.1	
23	4.1	9.7	14	15	34	58	12	57	7.3	4.5	2.7	5.0	
24	3.6	8.9	13	16	36	42	13	34	5.9	4.4	2.4	25	
25	3.1	8.5	13	18	102	33	25	20	5.4	6.1	3.6	13	
26	2.9	8.2	13	16	112	28	22	15	20	9.3	18	10	
27	3.2	10	13	15	103	26	16	12	14	9.5	10	7.2	
28	7.6	52	12	43	86	26	13	9.5	8.6	12	6.1	5.1	
29	6.6	42	11	38	---	26	12	7.7	6.2	26	9.8	4.8	
30	5.8	25	12	55	---	24	10	6.8	5.9	23	13	4.5	
31	4.9	---	12	98	---	23	---	6.2	---	14	9.6	---	
TOTAL	95.6	570.4	700	750	3447	1743	671	854.2	331.0	480.6	204.0	220.4	
MEAN	3.08	19.0	22.6	24.2	123	56.2	22.4	27.6	11.0	15.5	6.58	7.35	
MAX	7.8	78	100	98	915	309	66	209	36	83	18	33	
MIN	1.1	4.2	11	11	34	23	10	6.2	3.0	4.4	2.4	2.1	
CFSM	.12	.73	.86	.92	4.69	2.15	.85	1.05	.42	.59	.25	.28	
IN.	.14	.81	.99	1.06	4.89	2.47	.95	1.21	.47	.68	.29	.31	
CAL YR 1984	TOTAL	10081.2		MEAN	27.5	MAX	845	MIN	1.1	CFSM	1.05	IN.	14.31
WTR YR 1985	TOTAL	10067.2		MEAN	27.6	MAX	915	MIN	1.1	CFSM	1.05	IN.	14.29

BLACKWATER RIVER BASIN

BLACKWATER RIVER MAIN STEM

02369800 BLACKWATER RIVER NEAR BRADLEY, AL
(HYDROLOGIC BENCH-MARK STATION)

LOCATION.--Lat 31°01'39", long 86°42'36", in SW¼ sec. 24, T. 1 N., R. 13 E., Escambia County, Hydrologic Unit 03140104, in Conecuh National Forest, near left bank on downstream side of bridge on county road, and 1 mi east of Bradley.

DRAINAGE AREA.--87.7 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 121.87 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Feb. 7-13. Records good except those for period of estimated record, which are poor.

AVERAGE DISCHARGE.--18 years, 147 ft³/s, 22.76 in/yr.EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined, occurred June 4, 1970; gage height, 24.20 ft; maximum daily, 11,100 ft³/s, June 4, 1970; minimum, 18 ft³/s, Sept. 15, 16, 1968.EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 6	0400	*2,890	*14.78				

Minimum discharge, 30 ft³/s, Sept. 20-22.DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	37	94	87	59	200	367	90	58	47	44	92	50	
2	37	75	79	169	350	728	85	65	45	54	79	53	
3	37	81	78	211	325	576	81	197	43	63	79	81	
4	37	135	83	161	222	364	78	126	40	51	79	63	
5	37	109	388	113	795	268	78	85	39	50	70	79	
6	37	86	365	95	2590	214	119	71	37	94	61	175	
7	37	73	214	86	1400	180	104	64	36	177	80	140	
8	37	66	143	80	1000	157	86	66	35	145	98	79	
9	37	61	118	76	750	142	78	186	40	91	76	63	
10	37	61	105	73	500	131	74	303	67	73	100	55	
11	36	79	97	70	330	122	72	207	80	62	87	50	
12	35	68	90	68	270	116	72	150	107	65	83	46	
13	35	62	86	66	220	115	69	114	155	60	71	42	
14	34	58	81	65	189	109	68	94	123	52	62	41	
15	51	56	76	63	164	122	68	81	193	49	64	39	
16	94	55	73	62	144	130	113	71	538	46	65	37	
17	61	54	70	133	132	173	103	63	275	48	61	35	
18	51	53	68	140	123	142	82	58	205	49	55	34	
19	46	80	67	101	116	120	72	55	157	46	50	33	
20	42	81	66	86	110	110	67	52	111	45	46	31	
21	40	68	65	77	104	238	64	51	88	42	55	30	
22	40	61	64	72	99	246	60	124	76	123	47	31	
23	39	57	64	72	95	176	59	307	67	129	42	63	
24	40	55	62	74	131	140	124	152	64	96	39	153	
25	38	54	61	81	477	121	147	91	65	77	48	88	
26	37	53	60	74	481	109	101	74	59	72	68	87	
27	40	58	58	70	374	101	82	64	56	90	83	71	
28	102	227	57	162	304	100	73	58	56	142	65	55	
29	199	163	58	143	---	96	66	54	52	163	58	48	
30	317	102	57	177	---	93	60	51	48	114	66	45	
31	141	---	56	234	---	91	---	49	---	128	59	---	
TOTAL	1888	2385	3096	3213	11995	5897	2495	3241	3004	2540	2088	1897	
MEAN	60.9	79.5	99.9	104	428	190	83.2	105	100	81.9	67.4	63.2	
MAX	317	227	388	234	2590	728	147	307	538	177	100	175	
MIN	34	53	56	59	95	91	59	49	35	42	39	30	
CFSM	.69	.91	1.14	1.19	4.88	2.17	.95	1.20	1.14	.93	.77	.72	
IN.	.80	1.01	1.31	1.36	5.09	2.50	1.06	1.37	1.27	1.08	.89	.80	
CAL YR 1984	TOTAL	44058		MEAN	120	MAX	1390	MIN	34	CFSM	1.37	IN.	18.69
WTR YR 1985	TOTAL	43739		MEAN	120	MAX	2590	MIN	30	CFSM	1.37	IN.	18.55

BLACKWATER RIVER BASIN

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BLACKWATER RIVER MAIN STEM

02369800 BLACKWATER RIVER NEAR BRADLEY, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1976 to September 1983, October 1984 to current year.

REMARKS.--Miscellaneous samples of chemical data published for water years 1964, 1969, 1971-76, and 1984.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION (PER- CENT)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO ₃)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT													
03...	1025	37	21	--	17.0	--	--	--	--	--	--	--	--
17...	1100	60	26	4.9	26.0	1.4	8.1	100	420	120	5	0	0.87
NOV													
15...	0940	56	18	--	16.5	--	--	--	--	--	--	--	--
FEB													
13...	1100	223	34	3.5	7.5	1.5	10.6	88	42	77	3	3	.62
MAR													
26...	0800	113	26	--	14.5	--	--	--	--	--	--	--	--
APR													
17...	1045	108	24	4.9	17.0	2.5	8.8	91	110	80	4	2	.65
JUN													
11...	0900	63	21	--	22.5	--	--	--	--	--	--	--	--
JUL													
25...	0830	78	26	--	23.5	--	--	--	--	--	--	--	--
AUG													
14...	1400	53	26	4.5	27.5	1.5	7.3	93	K50	54	4	3	.76

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO ₃)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT												
17...	0.73	1.7	39	0.3	0.40	5	122	3.1	3.4	<.10	7.3	22
FEB												
13...	.45	1.5	47	.4	.20	0	.0	1.7	3.4	<.10	4.9	12
APR												
17...	.48	1.6	46	.4	.38	2	49	1.9	3.8	<.10	5.9	12
AUG												
14...	.46	1.6	46	.4	.20	--	61	1.8	3.9	<.10	6.7	13

DATE	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH ₄)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO ₄)
OCT											
17...	21	0.03	3.6	0.12	0.040	0.05	0.50	<.010	<.010	0.020	0.06
FEB											
13...	13	.02	7.2	<.10	.020	.03	.60	<.010	<.010	.020	.06
APR											
17...	17	.02	3.5	<.10	.150	.19	.90	<.010	<.010	<.010	--
AUG											
14...	16	.02	1.9	.15	.020	.03	.70	<.010	<.010	<.010	--

BLACKWATER RIVER BASIN

BLACKWATER RIVER MAIN STEM

02369800 BLACKWATER RIVER NEAR BRADLEY, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 17...	110	<1	26	0.0	<1	2	<3	1	130	8	<4	34
APR 17...	180	<1	21	.5	<1	<1	<3	3	200	2	6	27
AUG 14...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 17...	<.1	<10	7	<1	<1	8	<6	5
APR 17...	.1	<10	4	<1	<1	6	<6	11
AUG 14...	--	--	--	--	--	--	--	--

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
AUG 14...	1.5	<1.0	1.8	<.4	1.7	<.4	0.33	0.87

DATE	SEDI- MENT, DIS- SUS- PENDE (MG/L)	SEDI- MENT, DIS- SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 17...	5	0.81	90
FEB 13...	30	18	65
APR 17...	15	4.4	86
AUG 14...	8	1.1	81

ESCAMBIA RIVER BASIN

45

02371200 INDIAN CREEK NEAR TROY, AL

LOCATION.--Lat 31°48'50", long 86°07'15", in E½ sec. 26, T. 10 N., R. 19 E., Pike County, Hydrologic Unit 03140301, at left downstream wingwall of culvert on U.S. Highway 29, 3.5 mi upstream from mouth, and 9 mi west of Troy.

DRAINAGE AREA.--8.87 mi².

PERIOD OF RECORD.--August 1958 to September 1968, October 1968 to September 1970 (annual peak discharge only), October 1970 to current year.

REVISED RECORDS.--WSP 2106: 1960(M), 1960-65(P), 1962-65(M). WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 354 ft, by barometer. Prior to Oct. 1, 1961, at datum 1.00 ft higher.

REMARKS.--No estimated daily discharges. Records fair. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--25 years (water years 1959-68, 1971-85), 12.9 ft³/s, 19.75 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,950 ft³/s, Feb. 17, 1975, gage height, 7.75 ft; minimum, 0.10 ft³/s, Sept. 10, 1958, Sept. 10-16, 1967, and June 30, July 1, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 5	0145	*340	*5.37	May 9	1700	270	5.20
Feb. 6	0430	251	5.16				

Minimum daily discharge, 0.21 ft³/s, Aug. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.47	1.1	5.2	3.0	12	80	6.4	2.8	1.4	.57	.63	1.4	
2	.49	1.6	3.7	14	14	33	6.6	37	1.3	.55	.52	1.2	
3	.50	3.9	3.4	11	7.2	18	5.8	8.4	1.2	.52	.43	1.4	
4	.50	5.6	44	5.4	6.4	15	5.5	4.9	1.1	.46	.35	20	
5	.51	2.5	133	4.2	93	15	22	4.0	1.0	.53	.29	26	
6	.51	1.8	11	3.9	140	12	38	3.7	.97	.87	.26	2.8	
7	.50	1.7	6.8	3.7	22	11	8.9	4.0	.94	.82	.32	3.9	
8	.55	1.6	5.7	3.5	13	11	7.1	4.4	.90	.75	.44	3.4	
9	.57	1.5	5.3	3.5	11	10	6.4	71	1.0	.55	1.4	2.6	
10	.56	1.6	5.0	3.5	9.9	9.6	6.1	20	1.1	.45	2.6	1.9	
11	.55	1.6	4.6	3.5	17	9.1	5.9	7.5	1.6	.51	1.7	1.6	
12	.55	1.6	4.4	3.2	12	9.0	5.7	5.4	1.5	1.2	.79	1.4	
13	.55	1.5	4.3	3.5	9.0	8.6	5.7	4.4	1.1	1.0	.57	1.2	
14	.54	1.6	4.1	3.5	8.4	8.3	6.0	3.9	.94	.67	.50	1.1	
15	.64	1.6	3.9	3.4	8.3	8.0	12	3.5	1.0	.72	.55	.97	
16	.77	1.7	3.8	3.3	7.8	9.6	9.2	3.0	1.1	.62	.51	.95	
17	.79	1.7	3.6	13	7.8	9.3	6.0	2.8	.97	.56	.44	.90	
18	.77	1.8	3.6	5.6	7.5	7.5	5.2	2.8	1.1	.57	.35	.87	
19	.76	2.3	3.6	4.4	7.4	7.0	4.9	2.6	2.5	.64	.29	.85	
20	.75	2.1	3.6	4.0	7.2	6.9	4.7	2.4	1.8	.47	.31	.81	
21	.83	2.0	3.6	3.9	6.8	15	4.4	2.5	1.1	.38	.33	.80	
22	.88	2.0	3.6	4.3	6.9	12	4.1	3.2	.94	.34	.24	.78	
23	.84	2.1	3.4	4.6	7.0	8.1	4.0	3.1	.82	.34	.21	7.4	
24	.81	2.3	3.3	4.3	28	8.2	4.0	2.4	1.4	.37	.22	5.0	
25	.82	2.5	3.3	4.4	132	6.9	4.0	2.1	1.4	.96	1.5	2.6	
26	.80	2.5	3.1	3.8	71	6.3	3.6	1.9	.98	1.2	23	1.9	
27	.95	6.8	3.0	4.2	25	6.4	3.3	1.8	.79	1.8	3.6	1.6	
28	1.7	24	3.0	6.7	17	6.5	3.2	1.7	.75	1.5	2.4	1.4	
29	1.6	4.1	3.0	4.6	---	6.2	3.0	1.6	.75	1.1	2.5	1.2	
30	1.4	3.7	3.0	14	---	6.1	2.8	1.6	.65	.80	2.4	1.3	
31	1.2	---	3.0	17	---	7.7	---	1.5	---	.90	1.6	---	
TOTAL	23.66	92.4	297.9	174.9	714.6	387.3	214.5	221.9	34.10	22.72	51.25	99.23	
MEAN	.76	3.08	9.61	5.64	25.5	12.5	7.15	7.16	1.14	.73	1.65	3.31	
MAX	1.7	24	133	17	140	80	38	71	2.5	1.8	23	26	
MIN	.47	1.1	3.0	3.0	6.4	6.1	2.8	1.5	.65	.34	.21	.78	
CFSM	.09	.35	1.08	.64	2.87	1.41	.81	.81	.13	.08	.19	.37	
IN.	.10	.39	1.25	.73	3.00	1.62	.90	.93	.14	.10	.21	.42	
CAL YR 1984	TOTAL	3080.56		MEAN	8.42	MAX	164	MIN	.47	CFSM	.95	IN.	12.92
WTR YR 1985	TOTAL	2334.46		MEAN	6.40	MAX	140	MIN	.21	CFSM	.72	IN.	9.79

ESCAMBIA RIVER BASIN
ESCAMBIA RIVER MAIN STEM

02371500 CONECUH RIVER AT BRANTLEY, AL

LOCATION.--Lat 31°34'24", long 86°15'06", in SE¼ sec. 16, T. 7 N., R. 18 E., Crenshaw County, Hydrologic Unit 03140301, on left bank 10 ft upstream from bridge on U.S. Highway 331 and State Highway 52, 0.5 mi downstream from Moody Mill Creek, 0.8 mi southeast of Brantley, and at mile 112.3.

DRAINAGE AREA.--500 mi².

PERIOD OF RECORD.--October 1937 to current year.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 226.2 ft above National Geodetic Vertical Datum of 1929 (levels by the U.S. Army Corps of Engineers). Prior to Nov. 1, 1938, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Nov. 5-12. Records good except those for period of estimated record, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--48 years, 669 ft³/s, 18.17 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,800 ft³/s, Feb. 19, 1975, gage height, 24.51 ft; minimum, 22 ft³/s, Sept. 14, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1900, about 26 ft, present site and datum, March 1929, from information by local residents; discharge not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 2	2400	*2,810	*13.23				

Minimum discharge, 30 ft³/s, Oct. 14, 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	34	107	232	159	719	1610	321	126	61	43	118	268	
2	34	79	174	158	800	2610	317	124	59	42	110	273	
3	33	72	160	186	688	2660	305	131	57	42	111	253	
4	32	78	153	332	633	2140	303	360	54	40	96	187	
5	32	110	368	478	802	1800	295	297	50	37	84	165	
6	34	170	815	529	1780	1710	412	278	46	42	84	160	
7	35	150	944	499	1750	1540	504	311	44	45	99	140	
8	33	130	954	406	1610	1220	500	354	42	43	132	119	
9	32	100	852	327	1530	865	469	363	43	49	163	121	
10	32	90	762	282	2050	677	426	436	47	51	140	115	
11	32	76	661	253	2300	598	380	664	46	46	160	112	
12	32	70	465	236	1900	548	326	752	51	42	168	94	
13	32	63	352	221	1470	513	276	670	53	46	148	80	
14	32	63	301	210	1090	488	254	592	54	55	114	72	
15	34	61	271	201	805	460	290	517	52	53	91	64	
16	39	61	249	195	677	452	445	364	52	46	77	59	
17	39	61	235	228	569	478	446	240	47	80	69	54	
18	37	62	223	290	478	470	448	183	49	98	67	51	
19	39	66	212	326	400	436	480	153	60	75	66	47	
20	40	68	202	301	366	412	455	132	65	57	64	45	
21	39	71	196	289	342	450	363	117	72	54	59	42	
22	39	73	192	256	323	505	282	113	84	49	55	41	
23	37	73	190	225	305	517	234	113	82	44	50	47	
24	36	72	187	216	307	486	207	106	84	53	47	55	
25	36	71	182	216	765	513	191	102	78	48	51	66	
26	36	72	177	215	1220	530	175	94	68	56	59	99	
27	36	72	174	212	1260	461	166	87	63	54	116	88	
28	43	129	169	236	1230	405	154	82	56	87	337	78	
29	50	244	167	264	---	367	144	74	50	126	397	68	
30	60	322	163	311	---	342	135	69	46	153	408	60	
31	135	---	160	469	---	329	---	65	---	144	376	---	
TOTAL	1234	2936	10542	8726	28169	26592	9703	8069	1715	1900	4116	3123	
MEAN	39.8	97.9	340	281	1006	858	323	260	57.2	61.3	133	104	
MAX	135	322	954	529	2300	2660	504	752	84	153	408	273	
MIN	32	61	153	158	305	329	135	65	42	37	47	41	
CFSM	.08	.20	.68	.56	2.01	1.72	.65	.52	.11	.12	.27	.21	
IN.	.09	.22	.78	.65	2.10	1.98	.72	.60	.13	.14	.31	.23	
CAL YR 1984	TOTAL	167140		MEAN	457	MAX	2710	MIN	32	CFSM	.91	IN.	12.44
WTR YR 1985	TOTAL	106825		MEAN	293	MAX	2660	MIN	32	CFSM	.59	IN.	7.95

ESCAMBIA RIVER BASIN

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02372250 PATSALIGA CREEK NEAR BRANTLEY, AL

LOCATION.--Lat 31°35'46", long 86°24'20", in NE¼ sec. 12, T. 7 N., R. 16 E., Crenshaw County, Hydrologic Unit 03140302, near left bank on downstream side of bridge on State Highway 106, 3.0 mi north of Leon, and 10.9 mi northwest of Brantley.

DRAINAGE AREA.--442 mi².

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

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 220 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--11 years, 654 ft³/s, 20.09 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,400 ft³/s, Jan. 27, 1978, gage height, 22.05 ft; maximum gage height, 22.21 ft, Feb. 19, 1975; minimum, 26 ft³/s, Oct. 7, 1981.

EXTREMES FOR CURRENT YEAR.-- Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 2	0700	*3,520	*17.46				

Minimum discharge, 36 ft³/s, July 5, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	110	222	146	614	2730	373	137	73	46	357	110
2	39	92	193	172	610	3410	371	131	69	43	222	116
3	39	105	189	372	631	2800	357	251	65	41	152	106
4	39	163	218	561	705	2160	351	376	61	39	112	86
5	40	190	936	624	915	1770	331	282	57	38	94	79
6	41	169	1100	545	2120	1640	457	311	52	39	81	71
7	43	130	963	447	2420	1180	619	249	48	51	72	85
8	40	109	790	324	2340	769	587	201	45	86	74	86
9	39	96	621	266	2250	633	529	288	42	91	85	76
10	39	89	485	233	2540	569	430	1040	40	77	81	112
11	40	88	336	214	2160	529	332	1490	45	71	105	91
12	44	86	279	200	1280	498	290	1320	61	73	116	70
13	42	83	249	189	813	472	271	1140	87	60	96	60
14	40	81	226	182	697	452	258	987	84	57	79	54
15	44	82	210	177	637	434	278	475	68	58	70	50
16	49	81	197	171	556	419	462	297	61	56	65	47
17	48	82	189	213	485	437	527	226	60	103	60	45
18	58	84	183	360	446	434	564	182	59	67	69	45
19	61	85	178	421	421	408	569	156	69	65	61	41
20	57	89	173	428	402	385	454	139	90	61	55	40
21	54	93	169	357	384	411	314	126	111	54	51	39
22	53	93	167	261	368	517	256	119	101	53	48	38
23	51	88	166	213	354	600	221	129	87	48	45	46
24	52	86	164	210	364	687	198	130	78	45	43	83
25	54	85	161	216	1190	829	189	120	67	61	51	174
26	51	84	157	216	1800	982	189	110	66	116	70	184
27	51	86	152	207	1880	801	181	102	63	153	110	164
28	62	169	149	239	1990	522	171	94	55	334	218	113
29	122	315	148	277	---	432	158	87	50	314	217	88
30	178	303	146	307	---	392	144	82	50	423	146	76
31	160	---	146	656	---	373	---	77	---	493	120	---
TOTAL	1770	3496	9662	9404	31372	28675	10431	10854	1964	3316	3225	2475
MEAN	57.1	117	312	303	1120	925	348	350	65.5	107	104	82.5
MAX	178	315	1100	656	2540	3410	619	1490	111	493	357	184
MIN	39	81	146	146	354	373	144	77	40	38	43	38
CFSM	.13	.26	.71	.69	2.53	2.09	.79	.79	.15	.24	.24	.19
IN.	.15	.29	.81	.79	2.64	2.41	.88	.91	.17	.28	.27	.21

CAL YR 1984	TOTAL	165412	MEAN	452	MAX	2620	MIN	39	CFSM	1.02	IN.	13.92
WTR YR 1985	TOTAL	116644	MEAN	320	MAX	3410	MIN	38	CFSM	.72	IN.	9.82

ESCAMBIA RIVER BASIN

ESCAMBIA RIVER MAIN STREAM

02372430 (NWS 01-6937-07) CONECUH RIVER AT RIVER FALLS, AL

LOCATION.--Lat 31°20'53", long 86°31'46", in NW¼ sec. 2, T. 4 N., R. 15 E., Covington County, Hydrologic Unit 03140301, on downstream handrail of State Highway 55 bridge, 0.8 mi east of River Falls.

DRAINAGE AREA.--1,277 mi².

PERIOD OF RECORD.--November 1928 to September 1979, October 1980 to current year (gage heights only). October 1971 to September 1979, October 1980 to current year in reports of Geological Survey. November 1928 to December 1971 in reports of National Weather Service.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is 120.80 ft above National Geodetic Vertical Datum of 1929. Prior to June 23, 1934, nonrecording gage located on left bank 1,400 ft upstream at datum 2.88 ft higher. June 23, 1934, to Mar. 3, 1953, nonrecording gage on downstream side of bridge located 1,000 ft upstream at datum 2.88 ft higher.

REMARKS.--Some regulation at low flow by Point A Lake 1.0 mi upstream and Gantt Reservoir 8 mi upstream.

COOPERATION.--Records provided by National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 52.5 ft, Mar. 15, 1929; minimum gage height, -1.8 ft, Sept. 11, 1938.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 16.21 ft, Feb. 7; minimum gage height, 1.50 ft, Oct. 2, 6, 13.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.51	1.63	1.58	1.55	5.88	11.82	2.88	1.58	1.56	1.58	4.68	1.55
2	1.50	1.55	1.62	1.88	6.28	10.78	1.55	1.55	1.59	1.55	3.80	1.88
3	1.59	1.77	1.55	3.12	5.61	13.20	1.55	1.79	1.55	1.55	2.46	1.60
4	1.55	1.92	1.55	2.75	4.45	12.19	1.68	1.55	1.55	1.69	1.55	1.56
5	1.55	1.55	9.67	1.58	5.37	10.64	1.55	1.55	1.63	1.62	1.55	1.62
6	1.50	1.59	9.08	1.69	15.55	10.05	3.07	1.63	1.58	1.74	1.59	1.55
7	1.55	1.54	7.42	1.56	16.21	9.41	3.79	1.55	1.60	2.02	---	1.55
8	1.52	1.55	6.10	1.63	14.56	7.04	3.20	1.56	1.55	1.55	---	2.82
9	1.54	1.61	4.72	1.55	12.95	6.01	2.18	2.89	1.55	1.61	---	1.76
10	1.55	1.56	4.00	1.54	11.43	4.93	2.51	6.65	1.57	1.55	1.55	1.57
11	1.55	1.69	3.36	1.53	13.82	4.61	1.63	7.41	1.78	1.55	1.64	1.59
12	1.55	1.55	2.67	1.55	13.07	4.00	1.55	7.06	2.25	1.63	1.57	1.55
13	1.50	1.55	1.88	1.68	12.30	4.29	1.55	4.85	1.55	2.07	1.55	1.58
14	1.52	1.55	1.55	1.57	10.94	3.91	1.63	4.17	1.55	1.58	1.55	1.57
15	1.55	1.61	1.55	1.63	9.06	4.38	1.63	4.40	1.55	1.55	1.55	1.55
16	1.64	1.51	1.54	1.54	5.81	5.00	2.89	3.78	1.60	1.73	1.73	1.55
17	1.55	1.54	1.61	1.55	5.67	6.78	2.40	3.21	1.60	1.60	1.54	1.59
18	1.60	1.55	1.53	2.90	4.84	4.57	2.03	1.55	1.58	1.55	1.58	1.55
19	1.55	1.82	1.59	3.14	5.08	4.10	1.57	1.55	1.97	1.55	1.55	1.55
20	1.63	1.55	1.55	2.27	4.15	3.42	1.68	1.59	1.64	1.57	1.55	1.58
21	1.55	1.55	1.55	1.58	3.72	5.34	1.55	1.53	1.55	1.65	1.53	1.54
22	1.55	1.60	1.52	1.55	3.06	4.90	1.55	1.67	1.55	1.89	1.58	1.55
23	1.55	1.56	1.60	1.55	1.84	3.75	1.60	4.40	1.57	1.55	1.60	1.67
24	1.58	1.55	1.55	1.55	1.55	3.27	1.53	2.92	1.53	1.57	1.55	2.81
25	1.55	1.55	1.55	1.59	1.55	2.41	2.30	1.78	1.55	1.55	1.84	1.56
26	1.55	1.55	1.57	1.64	4.04	3.10	1.55	1.55	1.55	3.20	1.91	1.55
27	1.55	1.55	1.55	1.55	12.72	3.46	1.51	1.63	1.64	8.87	1.58	1.61
28	1.69	4.22	1.55	3.14	10.66	2.17	1.67	1.58	1.57	4.12	1.55	1.55
29	1.60	1.64	1.59	3.65	---	1.83	1.56	1.55	1.55	3.76	1.55	1.59
30	1.87	1.55	1.57	5.41	---	1.59	1.55	1.55	1.67	2.91	1.64	1.54
31	1.55	---	1.55	5.17	---	1.55	---	1.67	---	3.08	1.58	---
MEAN	1.57	1.68	2.69	2.15	7.93	5.63	1.96	2.70	1.62	2.16	---	1.67
MAX	1.87	4.22	9.67	5.41	16.21	13.20	3.79	7.41	2.25	8.87	---	2.82
MIN	1.50	1.51	1.52	1.53	1.55	1.55	1.51	1.53	1.53	1.55	---	1.54

ESCAMBIA RIVER BASIN

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02373000 SEPULGA RIVER NEAR MCKENZIE, AL

LOCATION.--Lat 31°27'47", long 86°47'16", in SE¼ sec. 30, T. 6 N., R. 13 E., Conecuh County, Hydrologic Unit 03140303, on left bank 100 ft downstream from bridge on U.S. Highway 31, 0.38 mi upstream from Old Town Creek, 2.5 mi upstream from Piney Woods Creek, 5.5 mi downstream from Persimmon Creek, and 7 mi southwest of McKenzie.

DRAINAGE AREA.--470 mi².

PERIOD OF RECORD.--October 1937 to September 1967, October 1968 to September 1970 (annual peak discharge only), October 1974 to current year.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Recording gage. Datum of gage is 155.96 ft above National Geodetic Vertical Datum of 1929 (levels by the U.S. Army Corps of Engineers). Prior to Mar. 25, 1939, nonrecording gage, and Mar. 26, 1939, to July 29, 1960, recording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--41 years (water years 1938-67, 1975-85), 679 ft³/s, 19.62 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,100 ft³/s, Mar. 17, 1938; maximum gage height, 24.70 ft, Feb. 26, 1961; minimum discharge, 3.5 ft³/s, Sept. 15, 28, 29, 30, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached a stage of 33.0 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 3,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 7	1600	*5,020	*9.90	Mar. 3	1500	4,650	9.40

Minimum discharge, 12 ft³/s, Sept. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	205	328	250	1020	3420	328	109	52	43	358	46
2	28	179	234	480	2360	3910	324	105	49	39	288	44
3	28	157	185	850	2470	4560	320	113	45	34	227	77
4	27	213	232	580	2190	3760	297	110	43	30	167	56
5	26	371	1240	480	3280	2790	280	134	41	32	143	47
6	26	447	2390	400	4010	2220	368	122	37	53	112	42
7	25	374	1980	310	4860	1460	432	107	34	68	107	41
8	25	239	1130	283	3950	1050	502	104	31	55	144	50
9	92	176	863	257	2750	883	403	231	29	51	188	42
10	170	150	567	232	2400	792	295	705	28	60	149	34
11	98	136	403	216	1990	723	247	890	43	72	159	28
12	69	125	342	203	1440	661	226	542	83	57	141	24
13	55	117	303	191	1250	612	211	311	65	46	109	22
14	55	113	273	183	998	573	199	212	61	53	89	28
15	60	113	251	177	794	536	215	164	56	51	88	24
16	83	108	233	170	668	508	405	136	54	47	94	23
17	81	104	216	252	595	508	674	117	51	75	80	19
18	103	100	207	532	540	497	594	104	49	127	72	16
19	191	99	197	716	499	466	413	94	59	146	63	15
20	132	96	187	592	469	431	292	88	55	101	48	14
21	103	97	184	413	442	473	231	81	47	67	41	13
22	96	98	183	300	413	572	197	88	48	51	36	15
23	86	99	159	255	384	884	174	98	58	46	34	177
24	84	97	157	238	443	812	159	94	61	67	30	662
25	291	93	160	240	1580	629	154	83	52	98	35	891
26	253	88	167	239	3030	485	149	80	48	412	48	469
27	138	99	160	234	3740	430	145	77	76	644	89	383
28	162	259	150	315	3780	384	145	69	104	422	77	288
29	311	397	140	381	---	355	134	63	53	236	66	160
30	348	355	130	435	---	338	119	58	45	367	55	114
31	252	---	120	894	---	333	---	56	---	491	52	---
TOTAL	3528	5304	13471	11298	52345	36055	8632	5345	1557	4141	3389	3864
MEAN	114	177	435	364	1869	1163	288	172	51.9	134	109	129
MAX	348	447	2390	894	4860	4560	674	890	104	644	358	891
MIN	25	88	120	170	384	333	119	56	28	30	30	13
CFSM	.24	.38	.93	.77	3.98	2.47	.61	.37	.11	.29	.23	.27
IN.	.28	.42	1.07	.89	4.14	2.85	.68	.42	.12	.33	.27	.31
CAL YR 1984	TOTAL	230631	MEAN	630	MAX	5080	MIN	25	CFSM	1.34	IN.	18.25
WTR YR 1985	TOTAL	148929	MEAN	408	MAX	4860	MIN	13	CFSM	.87	IN.	11.79

ESCAMBIA RIVER BASIN

02374250 (NWS 01-1084-07) CONECUH RIVER AT BREWTON, AL

LOCATION.--Lat 31°04'01", long 87°02'40", in NE 1/4 sec. 9, T. 1 N., R. 10 E., Escambia County, Hydrologic Unit 03140304, on downstream side of bridge on State Highway 41, 1.0 mi south of East Brewton, and 2.7 mi upstream from Murder Creek.

DRAINAGE AREA.--2,661 mi².

PERIOD OF RECORD.--February 1929 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. July 1930 to December 1971 collected by National Weather Service. July 1930 to December 1971 published in "Daily River Stages."

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is 53.10 ft above National Geodetic Vertical Datum of 1929.

COOPERATION.--Gage-height record was provided by the National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 36.6 ft, Mar. 15, 1929; minimum gage height, -2.32 ft, Oct. 6, 9, 1981.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 12.19 ft, Feb. 9; minimum gage height, -2.01 ft, Oct. 7.

REVISIONS.--In reports of National Weather Service, the datum of the gage was erroneously listed as 57.2 ft. The datum of the gage has remained unchanged since station was established.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.06	-0.09	.95	.27	2.19	9.26	1.19	.61	---	-0.90	1.78	-1.22
2	-1.30	-0.14	1.07	.34	2.22	11.27	.99	.44	---	-0.66	1.51	-1.17
3	-1.39	-0.30	1.00	.74	3.41	11.01	1.17	.39	---	-1.03	1.40	-0.97
4	-1.61	-0.19	.88	.68	3.61	11.31	1.00	.71	---	-0.99	1.44	-0.94
5	-1.12	-0.02	2.17	1.74	4.17	10.29	1.07	.91	-1.41	-0.69	1.60	-0.78
6	-1.88	.72	6.35	2.31	4.91	9.19	.90	.67	---	-0.54	1.31	-0.35
7	-2.01	.70	6.62	2.70	6.46	8.06	1.20	.77	---	-0.60	1.09	-0.51
8	-1.99	.93	8.01	2.40	10.16	6.69	.86	1.00	---	-0.66	.96	.69
9	-1.90	.67	7.09	2.01	12.19	7.00	1.09	1.51	-1.37	-0.78	1.16	-0.88
10	---	.81	6.74	1.80	11.90	6.11	1.01	1.40	---	-0.79	1.90	-0.90
11	---	.72	6.40	1.74	10.17	4.49	.75	2.32	---	-0.61	1.02	-1.12
12	---	.80	5.01	1.12	9.09	4.17	.65	2.20	-1.60	-0.54	1.17	-1.20
13	---	.54	4.46	.67	8.98	1.20	.51	1.17	---	-0.63	1.29	-1.09
14	---	.61	3.17	.81	9.60	1.00	.37	1.01	---	-0.80	1.10	-1.23
15	---	.14	3.00	.99	7.26	.91	.30	1.22	---	-0.94	.99	-1.04
16	---	.06	1.09	.27	7.31	1.90	.59	1.14	---	-1.06	1.22	-0.47
17	---	.30	1.19	.87	6.17	1.19	.99	.79	---	-1.09	.91	-1.31
18	-1.17	.71	1.24	1.37	5.90	1.01	.60	.50	---	-0.91	.80	-1.10
19	-0.98	.40	.94	1.32	5.02	.95	.55	.60	---	-0.77	.30	-1.81
20	-1.12	.57	.66	2.00	6.40	.88	.37	.10	---	-0.85	.61	-1.74
21	-0.40	.06	.77	2.38	3.99	1.22	.86	-0.39	---	-0.61	-1.54	-1.48
22	-0.31	-0.17	.64	2.17	6.44	1.77	.69	-0.27	---	-0.50	-1.39	-1.35
23	-0.18	-0.54	.50	1.30	5.37	1.46	.50	1.11	---	-0.32	-1.61	1.32
24	-0.19	-0.72	.32	.67	6.40	1.74	.31	.42	---	-0.43	-1.36	-1.01
25	-0.21	-0.61	.62	.82	3.47	1.90	.52	.57	---	-0.40	-1.01	.90
26	-0.67	-0.53	.70	.90	5.91	1.68	.40	.49	---	-0.18	-1.74	1.79
27	-0.03	.41	.59	.77	6.12	1.91	.21	.31	---	3.07	-1.57	1.09
28	.56	.10	.37	.88	7.17	1.70	.28	.12	---	6.92	-1.45	.87
29	-0.38	.62	.30	1.08	---	1.44	.11	.08	---	7.58	-1.80	.70
30	-0.58	.77	.34	1.19	---	1.61	.14	1.07	-1.54	3.29	-1.69	.65
31	-0.33	---	.17	1.67	---	---	---	1.28	---	2.58	-1.69	---
MEAN	---	.24	2.37	1.29	6.50	---	.67	.78	---	.17	.22	-0.52
MAX	---	.93	8.01	2.70	12.19	---	1.20	2.32	---	7.58	1.90	1.79
MIN	---	-0.72	.17	.27	2.19	---	.11	-0.39	---	-1.09	-1.80	-1.81

ESCAMBIA RIVER BASIN

51

02374500 MURDER CREEK NEAR EVERGREEN, AL

LOCATION.--Lat 31°25'06", long 86°59'12", in NW¼ sec. 8, T. 5 N., R. 11 E., Conecuh County, Hydrologic Unit 03140304, on left bank 30 ft upstream from bridge on U.S. Highway 31, 1 mi upstream from Louisville & Nashville Railroad bridge, and 2.5 mi southwest of Evergreen.

DRAINAGE AREA.--176 mi².

PERIOD OF RECORD.--October 1937 to current year.

REVISED RECORDS.--WDR AL-79-1: 1975(P), 1976(P), 1978(P). WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 178.29 ft above National Geodetic Vertical Datum of 1929 (levels by the U.S. Army Corps of Engineers). Prior to Mar. 25, 1939, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--48 years, 288 ft³/s, 22.22 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,000 ft³/s, Feb. 25, 1961, gage height, 16.13 ft; maximum gage height, 16.65 ft, Mar. 16, 1938; minimum discharge, 38 ft³/s, Sept. 2, 3, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1900, 26.6 ft, present site and datum, March 1929, from information by local residents (discharge not determined).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July 26	2200	*4,570	*11.84				

Minimum discharge, 80 ft³/s, June 9, Sept. 21, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	93	195	202	174	440	644	251	142	101	95	198	98	
2	93	181	190	349	811	946	236	150	98	89	167	97	
3	93	188	185	512	832	826	218	192	95	96	154	135	
4	94	225	237	403	495	590	209	171	91	90	147	141	
5	94	226	690	262	497	441	207	157	87	88	132	115	
6	94	196	919	214	1190	397	311	139	84	134	119	115	
7	94	176	608	196	1130	365	280	131	81	220	113	112	
8	95	164	313	187	769	338	232	146	81	165	174	105	
9	263	160	238	180	510	325	202	290	84	126	198	135	
10	787	159	219	175	404	314	192	291	103	105	177	113	
11	319	167	210	173	415	299	188	515	147	92	138	98	
12	184	161	201	169	471	286	188	732	255	105	123	91	
13	160	155	195	164	408	280	186	333	197	157	120	87	
14	149	153	191	163	343	274	187	203	144	125	110	131	
15	207	152	185	163	317	267	189	174	117	103	105	124	
16	356	154	181	161	299	265	289	157	143	161	126	103	
17	260	156	178	295	287	282	388	141	134	221	158	93	
18	230	156	175	384	280	272	279	130	126	261	142	87	
19	221	159	173	303	274	252	207	125	201	171	115	84	
20	184	167	172	216	269	240	187	122	153	129	103	81	
21	172	165	171	182	261	328	176	119	121	108	95	80	
22	197	156	172	166	252	389	167	161	110	98	91	80	
23	223	153	170	174	247	335	161	242	101	108	86	348	
24	202	152	167	185	308	273	161	183	100	151	84	1310	
25	209	154	165	193	742	245	195	147	105	129	112	906	
26	187	155	163	186	1000	231	198	128	120	1750	220	376	
27	169	183	160	176	896	225	179	116	125	2400	202	201	
28	222	406	159	293	606	228	164	111	147	844	151	162	
29	432	383	158	307	---	228	153	107	117	378	129	141	
30	323	243	160	293	---	223	144	105	104	304	117	133	
31	232	---	160	511	---	227	---	104	---	252	108	---	
TOTAL	6638	5600	7467	7509	14753	10835	6324	5964	3672	9255	4214	5882	
MEAN	214	187	241	242	527	350	211	192	122	299	136	196	
MAX	787	406	919	512	1190	946	388	732	255	2400	220	1310	
MIN	93	152	158	161	247	223	144	104	81	88	84	80	
CFSM	1.22	1.06	1.37	1.37	2.99	1.99	1.20	1.09	.69	1.70	.77	1.11	
IN.	1.40	1.18	1.58	1.59	3.12	2.29	1.34	1.26	.78	1.96	.89	1.24	
CAL. YR 1984	TOTAL	115880		MEAN	317	MAX	2660	MIN	93	CFSM	1.80	IN.	24.49
WTR YR 1985	TOTAL	88113		MEAN	241	MAX	2400	MIN	80	CFSM	1.37	IN.	18.62

ESCAMBIA RIVER BASIN

02375500 ESCAMBIA RIVER NEAR CENTURY, FL
(National stream-quality accounting network station)

LOCATION.--Lat 30°57'54", long 87°14'03", in NW¼ sec. 10, T. 5 N., R. 30 W., Santa Rosa County, Hydrologic Unit 03140305, on left bank 16 ft downstream from bridge on State Highway 4, 1.2 mi downstream from Escambia Creek, 1.7 mi east of Century, and 52 mi upstream from mouth.

DRAINAGE AREA.--3,817 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1934 to current year.

REVISED RECORD.-- WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 28.34 ft above National Geodetic Vertical Datum of 1929 (Florida Department of Transportation benchmark). Prior to Jan. 13, 1940, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: December 24, 25. Records fair. Some gage-height fluctuation during periods of low flow are attributed to regulation by power plants at Point-A Dam, 85.4 mi and Ghatt Dam, 90.1 mi upstream from the gaging station. Due to lagging intakes, nonrecording gage was used in conjunction with recording gage to determine mean gage heights.

AVERAGE DISCHARGE.--51 years, 6,320 ft³/s, 22.49 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92,300 ft³/s, Apr. 12, 1975, gage height, 23.32 ft; minimum, 578 ft³/s, Oct. 23, 1968; minimum gage height, 1.30 ft, Sept. 15, Oct. 20, 21, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1850, 37.8 ft, March 1929, present datum, discharge not determined, from information by the U.S. Army Corps of Engineers, Mobile District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 36,100 ft³/s, Feb. 7, gage height, 18.10 ft; minimum, 1,200 ft³/s, Oct. 5, 6, gage height, 3.27 ft, observed.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1250	2700	2980	2010	8890	22000	4260	2350	1510	1520	7410	2100
2	1260	2140	2710	2520	9770	25000	4020	2140	1480	1480	6480	1910
3	1210	1980	2650	3790	11800	27300	3750	3040	1480	1480	4820	2230
4	1210	2050	2620	5120	12200	27400	3660	4300	1430	1430	3830	2510
5	1200	2580	4530	4990	12100	25500	3530	3130	1390	1420	3380	1950
6	1200	2780	8280	4540	18700	23100	4060	2570	1370	1650	2820	1940
7	1280	2400	10600	4110	32100	20200	4570	2640	1330	2420	2480	2090
8	1210	2220	9660	3750	31300	16500	4660	2570	1310	2650	2580	2050
9	1260	2170	7080	3360	28500	12600	4450	2860	1280	2220	2910	1940
10	1300	2010	5960	3080	24600	9790	4110	4020	1310	1820	2830	1870
11	1650	1950	5290	2880	22000	7760	3790	6470	1560	1620	2700	1740
12	1790	1860	4590	2680	19500	6550	3700	7710	2040	1610	2360	1610
13	1630	1870	3830	2460	17500	6100	3220	7900	2370	1610	2290	1590
14	1360	1940	3320	2250	15000	5870	3120	6540	2370	1610	2260	1560
15	1330	1720	3170	2300	11700	5640	3150	5020	2740	1560	2390	1560
16	1470	1610	2940	2250	9230	5390	3600	4200	4520	1580	2270	1520
17	1860	1580	2730	3530	7480	5710	4760	3330	3790	1830	2090	1480
18	2000	1590	2670	6100	6450	5640	4690	2880	3080	2510	2040	1360
19	1860	1670	2590	5730	5870	5350	4350	2520	2460	2810	1920	1360
20	1760	1680	2510	4590	5510	5010	3930	2190	2200	2220	1810	1330
21	1680	1680	2410	3970	5260	5210	3660	2040	2110	1980	1730	1310
22	1630	1630	2380	3530	5160	7130	3410	1850	1890	1780	1650	1280
23	1610	1540	2300	3090	4740	7760	3060	2550	1920	1860	1560	1450
24	1610	1530	2280	3120	4670	6250	2930	3020	1710	2280	1520	3150
25	1560	1530	2280	2980	9110	5690	2840	2440	1710	3050	1600	7160
26	1460	1510	2280	2740	15800	5330	3020	2070	1630	6980	2110	6450
27	1550	1610	2210	2660	19300	5120	2810	1890	1610	13600	3550	4340
28	1860	2340	2200	3340	21000	5080	2660	1800	1610	17400	3430	2950
29	2370	3620	2110	4910	---	4940	2400	1680	1610	14000	2490	2520
30	2950	3670	2100	5130	---	4650	2290	1680	1580	8620	2150	2180
31	3460	---	2100	6780	---	4350	---	1570	---	6640	2110	---
TOTAL	50830	61160	115360	114290	395240	329920	108460	100970	58400	115240	85570	68490
MEAN	1640	2039	3721	3687	14120	10640	3615	3257	1947	3717	2760	2283
MAX	3460	3670	10600	6780	32100	27400	4760	7900	4520	17400	7410	7160
MIN	1200	1510	2100	2010	4670	4350	2290	1570	1280	1420	1520	1280
CFSM	.43	.53	.98	.97	3.70	2.79	.95	.85	.51	.97	.72	.60
IN.	.50	.60	1.12	1.11	3.85	3.22	1.06	.98	.57	1.12	.83	.67

CAL YR 1984 TOTAL 2156510 MEAN 5892 MAX 36100 MIN 1200 CFSM 1.54 IN 21.02
WTR YR 1985 TOTAL 1603930 MEAN 4394 MAX 32100 MIN 1200 CFSM 1.15 IN 15.63

02375500 ESCAMBIA RIVER NEAR CENTURY, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1952 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION	COLI- FORM, FECAL, 0.7 UM-MP (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L CaCO3)
NOV 02...	1045	2130	102	7.5	22.5	13	7.1	82	220	40	28	13
DEC 14...	1115	3320	89	7.3	13.5	4.5	9.4	90	110	62	26	6
FEB 06...	1745	21700	42	6.7	10.0	30	10.5	93	>400	>67	11	3
APR 25...	1600	2870	100	7.4	23.0	8.0	8.0	94	80	K20	29	0
JUN 19...	1600	2330	90	7.3	26.0	10	7.3	90	56	68	23	0
AUG 07...	1630	2490	118	7.4	27.5	9.5	8.0	102	270	63	32	0

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
NOV 02...	9.4	1.1	7.9	37	0.7	1.2	15	0.9	7.1	9.8	<.10	8.3
DEC 14...	8.6	1.1	6.1	33	.5	1.2	20	1.9	7.6	7.6	<.10	7.9
FEB 06...	3.4	.72	3.1	34	.4	1.1	8	3.2	5.9	4.9	<.10	5.0
APR 25...	9.8	1.2	7.2	34	.6	1.1	30	2.3	9.7	12	<.10	7.3
JUN 19...	7.5	.94	8.6	44	.8	.80	23	2.2	7.6	7.9	<.10	7.1
AUG 07...	11	1.2	9.8	39	.8	1.2	34	2.6	9.3	10	<.10	8.5

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
NOV 02...	70	54	0.10	403	<.010	<.10	--	--	--	<.010
DEC 14...	56	53	.08	502	.290	.19	0.37	0.20	<.010	<.010
FEB 06...	31	30	.04	1820	.250	.25	.32	.70	.090	.040
APR 25...	64	67	.09	496	.160	.22	.21	.40	<.010	<.010
JUN 19...	55	54	.07	346	.110	.19	.14	.30	.040	.020
AUG 07...	83	72	.11	558	.100	.18	.13	1.1	.030	.030

DATE	PHOS- PHORUS, ORTHO, DIS- SOLVED (UG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
NOV 02...	.010	20	<1	25	0.0	<1	<1	<3	4	62
DEC 14...	.050	--	--	--	--	--	--	--	--	--
FEB 06...	.030	250	<1	22	<.5	<1	<1	<3	<1	190
APR 25...	<.010	80	<1	26	<.5	<1	<1	<3	1	510
JUN 19...	<.010	--	--	--	--	--	--	--	--	--
AUG 07...	<.010	50	1	29	<.5	<1	<1	<3	6	330

ESCAMBIA RIVER BASIN

02375500 ESCAMBIA RIVER NEAR CENTURY, FL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
NOV 02...	1	<4	19	<.1	<10	1	<1	<1	36	<6	<3
DEC 14...	--	--	--	--	--	--	--	--	--	--	--
FEB 06...	<1	<4	67	.2	<10	1	<1	<1	16	<6	6
APR 25...	1	10	34	<.1	<10	2	<1	<1	38	<6	4
JUN 19...	--	--	--	--	--	--	--	--	--	--	--
AUG 07...	<1	<4	67	<.1	<10	2	<1	<1	44	<6	10

DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 02...	18	104	78
DEC 14...	26	233	50
FEB 06...	176	10300	45
APR 25...	3	23	67
JUN 19...	36	226	67
AUG 07...	36	242	53

02376500 PERDIDO RIVER AT BARRINEAU PARK, FL
(National stream-quality accounting network station)

LOCATION.--Lat 30°41'25", long 87°26'25", in NW¼ sec. 23, T. 4 S., R. 6 E., Baldwin County, Ala., Hydrologic Unit 03140106, on right bank 25 ft downstream from bridge on county road, 1,000 ft downstream from Alligator Creek, 0.5 mi southwest of Barrineau Park, and 27 mi upstream from mouth.

DRAINAGE AREA.--394 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1941 to current year.

REVISED RECORDS.--WSP 1384: Drainage area. WDR FL-76-4: 1973-75 (M).

GAGE.--Water-stage recorder. Datum of gage is 25.77 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 22, 1949, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Oct. 24 to Nov. 25. Records good except for period of estimated record, which are fair.

AVERAGE DISCHARGE.--44 years, 765 ft³/s, 26.37 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39,000 ft³/s, Apr. 15, 1955, gage height, 23.94 ft, from rating curve extended above 11,400 ft³/s, based on slope-area study made in 1955; minimum, 188 ft³/s, Oct. 12-18, 1973; minimum gage height, 1.24 ft Oct. 1-6, 15-17, 20-25, 28-31, Nov. 1-3, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 15, 1929, reached a stage of 25.7 ft present datum, from information by local resident (discharge not determined).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 8	0800	5,220	12.32	July 28	1200	*6,160	*13.28

Minimum discharge, 237 ft³/s June 9, 10, gage height, 1.51 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	284	430	456	351	1050	2140	462	366	275	307	1750	387
2	284	400	430	525	1260	2670	457	369	269	299	1110	632
3	283	380	397	782	1570	2510	441	390	262	306	685	1210
4	284	360	380	791	1860	2190	428	394	258	317	639	979
5	285	360	678	605	1860	1510	420	380	256	315	746	801
6	286	350	815	500	2660	1030	482	357	250	384	659	709
7	287	350	673	448	4380	810	524	342	246	626	501	531
8	287	360	599	410	5030	705	481	333	240	702	564	499
9	300	365	540	385	3430	644	445	329	241	669	630	664
10	301	375	462	368	1670	602	428	342	259	563	580	873
11	296	380	413	356	1160	568	409	352	314	464	490	867
12	298	430	389	347	1270	542	399	354	415	381	491	596
13	293	460	375	340	1180	525	391	349	538	347	464	426
14	291	360	365	334	1030	510	385	326	629	353	434	376
15	304	350	356	330	871	498	381	314	930	343	536	350
16	320	370	349	326	707	510	384	303	2160	419	681	332
17	321	380	343	421	613	620	412	294	3090	396	560	318
18	315	390	338	761	559	607	420	285	2110	436	664	306
19	312	400	334	896	521	547	392	283	996	398	668	295
20	310	450	331	1270	495	507	382	279	669	390	505	287
21	307	400	330	903	474	1060	369	281	505	357	433	280
22	309	370	329	545	457	1320	357	340	444	320	390	283
23	323	360	333	438	463	1020	348	488	413	347	363	367
24	340	350	335	412	681	929	455	499	496	400	391	1460
25	340	350	330	422	2040	784	586	449	444	665	569	2460
26	340	349	326	412	2040	620	493	394	391	1620	623	2430
27	350	358	323	397	1910	531	438	354	380	4050	596	1320
28	360	549	322	543	2190	501	407	322	353	5990	530	826
29	420	589	321	649	---	483	390	302	348	4170	473	627
30	500	520	321	636	---	467	381	289	322	2530	459	508
31	450	---	319	931	---	459	---	280	---	1890	429	---
TOTAL	9980	11895	12612	16834	43431	28419	12747	10739	18503	30754	18613	21999
MEAN	322	397	407	543	1551	917	425	346	617	992	600	733
MAX	500	589	815	1270	5030	2670	586	499	3090	5990	1750	2460
MIN	283	349	319	326	457	459	348	279	240	299	363	280
CFSM	.82	1.01	1.03	1.38	3.94	2.33	1.08	.88	1.57	2.52	1.52	1.86
IN.	.94	1.12	1.19	1.59	4.10	2.68	1.20	1.01	1.75	2.90	1.76	2.08

CAL YR 1984	TOTAL	262921	MEAN 718	MAX 8400	MIN 283	CFSM 1.82	IN 24.82
WTR YR 1985	TOTAL	236526	MEAN 648	MAX 5990	MIN 240	CFSM 1.65	IN 22.33

PERDIDO RIVER BASIN

02376500 PERDIDO RIVER AT BARRINEAU PARK, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1972 to current year.

REMARKS.--Miscellaneous samples of chemical data published for water years 1967 and 1969.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

		STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MP (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L CaCO3)	
NOV													
01...	1230	377	24	6.3	21.0	1.3	8.2	92	61	K16	4	3	
DEC													
13...	1535	373	22	6.5	16.0	1.5	8.5	86	37	59	5	0	
FEB													
06...	0900	2450	32	4.7	11.0	7.0	9.3	85	>400	>670	5	4	
APR													
25...	0945	590	24	5.6	19.5	3.5	9.1	100	>400	220	4	2	
JUN													
19...	0930	1040	26	4.9	23.0	3.0	6.5	76	70	66	4	3	
AUG													
08...	1255	560	24	5.4	24.0	3.0	8.4	100	63	51	4	2	
		CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
NOV													
01...	0.78	0.57	2.1	49	0.5	0.40	2	1.6	1.3	4.0	<.10	7.6	
DEC													
13...	.82	.63	2.2	49	.5	.30	7	4.3	2.3	4.2	<.10	7.9	
FEB													
06...	1.0	.71	1.9	40	.4	.60	1	39	4.2	3.7	<.10	5.5	
APR													
25...	.77	.55	2.0	43	.4	1.2	2	9.7	2.7	4.1	<.10	6.2	
JUN													
19...	.79	.47	1.7	46	.4	.30	1	24	3.4	3.7	<.10	6.8	
AUG													
08...	.79	.50	2.0	49	.4	.40	2	15	1.8	3.9	<.10	7.6	
		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)		
NOV													
01...	16	18	0.02	16	0.020	0.16	0.03	0.70	0.040	0.060			
DEC													
13...	22	23	.03	22	.010	.23	.01	.20	.020	<.010			
FEB													
06...	20	19	.03	132	.020	.13	.03	.50	.080	.050			
APR													
25...	18	19	.02	29	.040	.20	.05	.70	<.010	<.010			
JUN													
19...	28	18	.04	79	.080	.12	.10	.30	.030	.030			
AUG													
08...	16	19	.02	24	.040	.20	.05	.50	<.010	<.010			

PERDIDO RIVER BASIN

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02376500 PERDIDO RIVER AT BARRINEAU PARK, FL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	
NOV 01...	0.030	30	<1	20	--	<1	<1	<3	2	45	
DEC 13...	.020	--	--	--	--	--	--	--	--	--	
FEB 06...	.020	470	<1	29	<.5	<1	<1	<3	1	230	
APR 25...	<.010	110	<1	27	<.5	<1	<1	<3	2	230	
JUN 19...	.020	--	--	--	--	--	--	--	--	--	
AUG 08...	.010	100	<1	23	1.0	<1	<1	<3	2	230	
DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
NOV 01...	2	<4	13	<.1	<10	1	<1	<1	8	<6	15
DEC 13...	--	--	--	--	--	--	--	--	--	--	--
FEB 06...	<1	<4	70	<.1	<10	1	<1	<1	9	<6	17
APR 25...	4	<4	27	<.1	<10	2	<1	<1	8	<6	17
JUN 19...	--	--	--	--	--	--	--	--	--	--	--
AUG 08...	1	<4	33	<.1	<10	1	<1	<1	7	<6	21
					SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM				
NOV 01...					4	4.1	76				
DEC 13...					10	10	60				
FEB 06...					46	304	28				
APR 25...					12	19	50				
JUN 19...					20	56	45				
AUG 08...					13	20	54				

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA

LOCATION.--Lat 34°12'01", long 85°15'24", Floyd County, Hydrologic Unit 03150105, on left bank attached to shoreward side of lock wall of Mayos Bar lock near upstream end, 1.5 mi upstream from Webb Creek, 6 mi southwest of Rome, 7.5 mi downstream from confluence of Oostanula and Etowah Rivers, and at mile 278.6.

DRAINAGE AREA.--4,040 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Monthly discharge only for some periods, published as WSP 1304. Water years 1959-62 (annual maximum only). Gage-height records collected at same site 1922-49, are contained in reports of National Weather Service.

REVISED RECORD.--WSP 1906: 1959(M).

GAGE.--Water-stage recorder. Datum of gage is 553.05 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Jan. 1, 1897, to Dec. 31, 1903, nonrecording gage at Site 7.5 mi upstream at datum 8.65 ft higher. June 21, 1928, to Dec. 31, 1931, and Mar. 10, 1937, to Dec. 31, 1958, water-stage recorder at site 200 ft downstream at same datum. Water-stage recorder at Fifth Avenue in Rome used as auxiliary gage since 1963.

REMARKS.--No estimated daily discharges. Water-discharge records good. Flow regulated by Allatoona Reservoir since December 1949 and by Carters Lake and Carters re-regulation Reservoir since November 1974.

AVERAGE DISCHARGE.--54 years (water years 1897-1903, 1929-31, 1938-58, 1963-85), 6,773 ft³/s, 22.77 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 65,000 ft³/s, Jan. 22, 1947, gage height, 37.0 ft; minimum daily, 870 ft³/s, Oct. 18-22, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 40.3 ft at site and datum at Rome, equivalent to about 43 ft at present site, from gage-height relation, Apr. 1, 1886, discharge, 100,000 ft³/s, from rating curve extended above 63,000 ft³/s on basis of peak flow at Gadsden, Ala.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,000 ft³/s, Feb. 6, gage height, 22.55 ft; minimum daily, 1,250 ft³/s, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1770	2960	4110	2620	12900	7210	2490	2960	2520	1950	3820	2420
2	3130	2800	3080	3890	21400	6720	3050	3310	1940	3380	4670	2380
3	3140	2230	4020	6100	20700	5690	3200	4690	1810	1970	4080	2720
4	3140	2130	6120	7630	17500	5500	2970	6170	2270	3270	2050	2470
5	3090	2120	7270	7450	20900	7070	3080	4110	2470	4270	1860	2370
6	3080	2470	8810	5800	25300	6950	4480	2840	2380	4570	3110	2440
7	1710	2910	9430	4550	22600	6860	4840	3070	2070	2620	3090	2270
8	1700	2650	8700	4920	17300	6720	4810	3510	2350	2510	3200	1660
9	3880	3010	6210	6620	12200	5980	4350	5350	3400	2780	3150	2040
10	4260	2750	3910	6080	7230	3670	3810	5520	2340	3210	3750	3170
11	4460	2830	5890	5800	6920	3450	3530	7180	2640	3220	1780	2760
12	4290	2990	5780	5050	10200	3960	3380	5640	2670	3290	1690	2670
13	4170	3340	5640	2510	11100	3920	3310	7910	2830	3860	3450	2540
14	2090	3330	5530	2480	10500	3590	2540	10000	2710	1940	3410	2570
15	1810	2850	5100	4270	8990	3650	2990	6540	2750	1640	3400	1420
16	3940	3200	2500	4270	8440	3570	4710	4950	2140	2870	3350	1390
17	4030	3300	2510	4550	5580	2700	5270	4210	2280	3160	4360	2020
18	4180	2950	5180	4920	5240	2600	4770	3480	2660	3110	2840	1920
19	4100	2990	5250	3390	5510	3090	4260	2710	2610	2850	2770	1970
20	4170	2890	5240	2670	5630	3040	3980	2530	2790	2730	2970	1960
21	2010	3570	5240	4320	5900	3030	2810	3290	2730	2750	2550	1960
22	1860	3750	5060	5130	5820	3640	2560	3320	2550	1480	2440	1290
23	3040	3200	2510	3000	5320	4740	3000	3170	1760	3000	2300	1260
24	4880	3420	2950	3100	4470	4160	3030	3190	1650	3730	2330	1780
25	6120	2660	4270	2790	4900	3610	3060	3070	2080	2820	5140	1860
26	5770	2450	4050	2680	8030	3820	3250	2060	2050	1730	6270	1880
27	5130	2370	3260	2060	9240	3850	3110	1970	2090	1960	5430	1810
28	2300	2610	3110	2040	8230	3840	2310	2460	2550	2240	3220	1790
29	2150	4170	3470	2390	---	3790	2140	2600	2900	2430	2550	1350
30	5250	5220	2210	2480	---	3740	2870	2750	1890	3080	3290	1250
31	3810	---	2060	3930	---	2740	---	2600	---	2660	3350	---
TOTAL	108460	90120	148470	129490	308050	136900	103960	127160	71880	87080	101670	61390
MEAN	3499	3004	4789	4177	11000	4416	3465	4102	2396	2809	3280	2046
MAX	6120	5220	9430	7630	25300	7210	5270	10000	3400	4570	6270	3170
MIN	1700	2120	2060	2040	4470	2600	2140	1970	1650	1480	1690	1250

CAL YR 1984 TOTAL 3025130 MEAN 8265 MAX 30600 MIN 1700 MEAN +8056 CFSM +1.99 IN. +27.07
WTR YR 1985 TOTAL 1474630 MEAN 4040 MAX 25300 MIN 1250 MEAN +4062 CFSM +1.01 IN. +13.65

† Adjusted for change in contents in Carters Lake, Carters re-regulation dam, and Allatoona Reservoir.

MOBILE RIVER BASIN

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02397000 COOSA RIVER NEAR ROME, GA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.75	12.39	12.92	12.26	16.34	14.09	12.29	12.56	12.34	12.02	12.89	12.13
2	12.48	12.30	12.48	12.83	20.19	13.91	12.55	12.70	12.02	12.71	13.21	12.11
3	12.50	11.95	12.88	13.68	20.02	13.54	12.63	13.23	11.94	12.04	12.99	12.28
4	12.49	11.89	13.69	14.25	18.36	13.46	12.53	13.75	12.21	12.67	12.09	12.15
5	12.47	11.88	14.12	14.18	19.97	14.04	12.58	13.02	12.32	13.08	11.97	12.08
6	12.46	12.11	14.70	13.51	22.16	13.99	13.14	12.52	12.27	13.18	12.57	12.12
7	11.71	12.37	14.93	13.10	21.14	13.96	13.27	12.61	12.09	12.41	12.57	12.01
8	11.70	12.23	14.66	13.25	18.47	13.91	13.26	12.78	12.24	12.35	12.61	11.61
9	12.78	12.42	13.72	13.87	16.13	13.63	13.09	13.47	12.77	12.47	12.59	11.86
10	12.96	12.30	12.86	13.68	14.09	12.77	12.90	13.54	12.26	12.64	12.83	12.45
11	13.04	12.34	13.61	13.58	13.99	12.69	12.79	14.11	12.41	12.63	11.92	12.26
12	12.97	12.44	13.57	13.30	15.22	12.89	12.73	13.58	12.42	12.65	11.87	12.21
13	12.92	12.60	13.51	12.22	15.52	12.87	12.71	14.38	12.50	12.89	12.69	12.14
14	11.96	12.59	13.47	12.20	15.31	12.75	12.36	15.13	12.44	12.02	12.68	12.15
15	11.77	12.36	13.31	12.99	14.77	12.77	12.58	13.88	12.46	11.83	12.67	11.40
16	12.81	12.52	12.21	12.99	14.56	12.74	13.24	13.33	12.14	12.45	12.65	11.37
17	12.85	12.58	12.18	13.10	13.50	12.35	13.44	13.06	12.22	12.59	13.08	11.82
18	12.92	12.42	13.34	13.25	13.37	12.30	13.26	12.79	12.41	12.57	12.53	11.76
19	12.88	12.44	13.37	12.66	13.47	12.53	13.08	12.46	12.39	12.44	12.49	11.80
20	12.91	12.38	13.36	12.31	13.51	12.51	12.98	12.36	12.48	12.39	12.56	11.78
21	11.90	12.69	13.36	13.01	13.61	12.51	12.51	12.69	12.45	12.39	12.36	11.78
22	11.81	12.77	13.29	13.33	13.58	12.77	12.38	12.70	12.36	11.70	12.30	11.28
23	12.43	12.54	12.22	12.50	13.39	13.20	12.57	12.64	11.91	12.51	12.23	11.25
24	13.20	12.63	12.44	12.54	13.07	12.99	12.59	12.64	11.84	12.85	12.24	11.66
25	13.69	12.23	13.00	12.38	13.23	12.79	12.60	12.59	12.09	12.49	13.38	11.72
26	13.56	12.10	12.91	12.32	14.40	12.86	12.68	12.09	12.08	11.89	13.75	11.74
27	13.30	12.05	12.57	11.94	14.87	12.88	12.63	12.04	12.10	12.04	13.43	11.68
28	12.03	12.21	12.50	11.93	14.48	12.88	12.24	12.31	12.36	12.20	12.57	11.67
29	11.91	12.93	12.67	12.15	---	12.86	12.15	12.38	12.53	12.30	12.22	11.34
30	13.34	13.36	12.03	12.20	---	12.85	12.51	12.46	11.99	12.64	12.57	11.24
31	12.76	---	11.94	12.86	---	12.43	---	12.38	---	12.43	12.59	---
MEAN	12.59	12.40	13.16	12.92	15.74	13.06	12.74	12.97	12.27	12.43	12.62	11.83
MAX	13.69	13.36	14.93	14.25	22.16	14.09	13.44	15.13	12.77	13.18	13.75	12.45
MIN	11.70	11.88	11.94	11.93	13.07	12.30	12.15	12.04	11.84	11.70	11.87	11.24
CAL YR 1984	MEAN	14.58	MAX	25.83	MIN	11.70						
WTR YR 1985	MEAN	12.8	MAX	22.16	MIN	11.24						

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE, AIR (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)
OCT											
23...	1100	4320	160	7.5	21.0	26.0	12	7.9	89	0.7	--
NOV											
26...	1345	2350	110	7.1	10.0	21.0	5.0	10.1	90	.7	6300
DEC											
19...	1200	6330	92	7.6	12.5	21.5	15	10.1	96	--	170
JAN											
31...	1220	3910	148	7.3	6.0	9.5	50	10.8	88	1.7	4900
FEB											
27...	0900	9030	128	7.6	8.0	15.0	70	10.2	87	2.2	3300
MAR											
26...	1430	4500	135	8.2	13.0	20.5	14	9.7	92	1.5	170
APR											
23...	0930	2760	138	7.4	20.0	22.0	14	7.3	81	.8	220
MAY											
29...	1045	2760	--	7.6	21.0	22.0	12	8.8	100	.8	--
JUN											
27...	1115	2740	142	7.4	24.5	30.5	15	8.2	101	1.5	--
JUL											
30...	1000	3060	158	7.0	25.0	26.5	25	7.1	87	1.7	1400
AUG											
27...	1030	6330	--	7.2	22.5	26.5	100	6.1	70	1.6	2300
SEP											
24...	1030	2300	142	7.6	23.0	24.5	20	6.6	78	1.3	330

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ALKA- LINEITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT								
23...	--	--	55	3.4	0.36	0.060	0.120	2.1
NOV								
26...	40	0	40	6.2	.22	.050	.090	2.4
DEC								
19...	30	0	31	1.5	.24	.050	.070	1.7
JAN								
31...	58	5	53	5.1	.38	.160	.200	1.7
FEB								
27...	48	6	42	2.0	.37	.080	.110	4.0
MAR								
26...	62	0	62	.8	.30	.060	.150	1.9
APR								
23...	68	15	53	4.1	.34	.120	.160	2.0
MAY								
29...	56	0	57	2.8	.36	.230	.160	3.6
JUN								
27...	26	0	49	3.8	.44	.080	.250	3.3
JUL								
30...	72	17	55	11	.47	.230	.110	3.5
AUG								
27...	48	3	45	5.5	.43	.230	.050	7.5
SEP								
24...	64	14	50	2.4	.29	.150	.150	5.3

MOBILE RIVER BASIN

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02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA

LOCATION.--Lat 34°28'03", long 85°20'19", Chattooga County, Hydrologic Unit 03150105, on left bank 600 ft downstream from bridge on U.S. Highway 27, 1 mi southeast of Summerville, and 4 mi upstream from Raccoon Creek.

DRAINAGE AREA.--192 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1937 to current year.

REVISED RECORD.--WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 613.47 ft above National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Prior to Nov. 12, 1937, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Aug. 30 to Sept. 11. Records good except those for period of estimated record, which are poor.

AVERAGE DISCHARGE.--48 years, 362 ft³/s, 25.60 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,500 ft³/s, Mar. 29, 1951, gage height, 21.0 ft; minimum daily, 38 ft³/s, Oct. 17, 1937, Nov. 9, 1939.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 2	0300	*5,060	*14.44				

Minimum discharge, 84 ft³/s, Sept. 29, gage height, 2.23 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	116	166	156	2780	317	211	164	140	221	275	170
2	102	116	171	179	3670	318	193	234	136	136	217	155
3	104	113	365	192	1520	299	189	220	132	118	182	145
4	102	112	288	323	925	282	185	190	128	115	163	138
5	102	109	272	325	1210	275	187	175	124	156	151	132
6	100	105	324	276	1420	256	543	164	122	141	143	127
7	101	101	307	249	910	243	380	158	121	125	148	121
8	104	101	265	223	691	236	322	251	219	119	356	116
9	200	100	241	204	579	233	284	413	167	113	205	112
10	208	105	219	194	503	232	257	575	141	110	176	145
11	128	117	203	195	563	223	239	648	135	107	164	120
12	117	108	191	184	1170	218	223	525	139	104	150	112
13	110	104	184	176	746	210	210	565	142	98	139	105
14	111	104	177	171	601	204	205	401	128	96	130	100
15	111	101	171	171	519	200	417	331	122	123	123	98
16	106	105	166	169	452	194	421	286	121	115	121	101
17	116	102	160	207	406	194	344	254	121	105	496	97
18	117	101	151	221	368	188	303	234	148	98	331	95
19	111	114	148	209	355	181	273	215	152	94	234	93
20	109	116	150	198	366	175	251	200	141	93	190	91
21	112	105	153	180	339	168	234	190	127	89	169	91
22	122	104	162	172	323	229	222	183	119	97	149	89
23	154	102	164	169	312	272	214	175	116	106	138	96
24	162	101	159	166	302	264	210	166	117	303	246	93
25	183	101	159	163	307	255	203	157	113	999	924	93
26	171	101	158	161	383	231	192	151	110	220	467	91
27	144	102	156	158	354	220	187	145	109	199	348	102
28	137	283	155	163	328	216	183	147	106	539	285	91
29	130	243	154	171	---	208	176	163	124	560	242	87
30	127	185	153	165	---	198	167	169	122	649	210	90
31	121	---	151	276	---	201	---	148	---	372	190	---
TOTAL	3927	3577	6043	6166	22402	7140	7625	7997	3942	6520	7462	3296
MEAN	127	119	195	199	800	230	254	258	131	210	241	110
MAX	208	283	365	325	3670	318	543	648	219	999	924	170
MIN	100	100	148	156	302	168	167	145	106	89	121	87
CFSM	.66	.62	1.01	1.03	4.15	1.19	1.32	1.34	.76	1.09	1.25	.57
IN.	.76	.69	1.16	1.19	4.32	1.38	1.47	1.54	.76	1.26	1.44	.64

CAL YR 1984	TOTAL	148056	MEAN	405	MAX	5580	MIN	100	CFSM	2.10	IN	28.54
WTR YR 1985	TOTAL	86097	MEAN	236	MAX	3670	MIN	87	CFSM	1.22	IN	16.59

MOBILE RIVER BASIN

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of discharge, air temperature, water temperature, pH, and dissolved oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

		STREAM- FLOW, INSTAN- TANEOUS (FT³/S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE, AIR (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	
DATE	TIME									
OCT 23...	1300	160	420	7.7	19.0	29.5	8.0	7.7	84	
NOV 26...	1515	99	330	7.8	10.0	20.0	2.0	10.4	93	
DEC 19...	0945	148	370	7.8	13.5	20.0	6.0	8.8	85	
JAN 31...	1045	226	340	7.7	8.0	10.0	5.0	10.2	88	
FEB 27...	0715	360	300	7.8	8.5	10.0	11	10.0	86	
MAR 26...	1730	230	250	8.3	14.0	20.0	5.0	10.4	101	
APR 23...	0800	213	290	7.6	18.0	19.0	7.0	9.8	105	
MAY 29...	0900	142	440	7.7	20.0	21.0	7.0	10.2	114	
JUN 27...	1000	109	480	8.0	24.0	30.0	6.0	9.6	118	
JUL 30...	0845	665	139	7.2	23.0	25.5	70	7.3	86	
AUG 27...	1230	343	225	7.5	20.5	28.0	19	7.6	85	
SEP 24...	0900	93	590	8.0	20.5	23.0	4.0	7.4	83	
	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO3)	ALKA- LITY LAB (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	0.6	--	--	--	146	5.6	0.91	0.070	0.370	2.8
NOV 26...	1.1	1700	110	0	126	3.9	.71	.020	.130	3.0
DEC 19...	--	160	100	0	129	3.9	.36	.020	.080	1.9
JAN 31...	1.1	330	100	0	116	4.5	.43	.100	.070	2.4
FEB 27...	1.5	1300	92	0	101	3.1	.44	.050	.060	3.1
MAR 26...	1.7	40	84	0	110	1.1	.31	.050	.050	2.6
APR 23...	1.2	110	92	0	114	5.5	.39	.140	.090	2.2
MAY 29...	.5	--	110	0	155	6.0	.75	.090	.240	4.4
JUN 27...	1.4	20	110	0	164	3.2	.50	.110	.280	4.2
JUL 30...	1.2	2200	44	0	52	6.4	.29	.140	.110	6.1
AUG 27...	.6	640	72	0	82	5.0	.48	.200	.030	4.0
SEP 24...	.5	490	120	0	189	3.6	.58	.110	1.34	2.8

MOBILE RIVER BASIN

63

02398195 MILLS CREEK NEAR CHESTERFIELD, AL

LOCATION.--Lat 34°26'48", long 85°30'00", in NE¼SW¼NE¼ sec. 8, T. 7 S., R. 11 E., Cherokee County, Hydrologic Unit 03150105, on upstream side of culvert near the left bank on county road, 1.3 mi east of Chesterfield, 2.8 mi southwest of Menlo, Georgia, 4.5 mi northeast of Jamestown, and 17.8 mi upstream from mouth.

DRAINAGE AREA.--9.53 mi².

PERIOD OF RECORD.--October 1978 to September 1985 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 720 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--7 years, 21.0 ft³/s, 29.86 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 4,000 ft³/s, July 24, 1985, gage height, 14.65 ft from rating curve extended above 800 ft³/s on basis of computation of peak flow through culvert and flow over road; minimum discharge, 1.2 ft³/s, Sept. 30, 1983.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July 24	1100	*4,000	*14.65	Aug. 7	2030	405	7.20

Minimum discharge, 1.4 ft³/s, Nov. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	2.8	1.8	4.5	4.8	106	18	8.9	6.3	7.4	3.6	52	12	
2	3.0	1.8	5.6	4.8	65	18	8.5	7.7	7.0	3.2	40	11	
3	3.1	1.9	7.6	5.6	42	17	8.3	6.8	6.6	3.1	32	10	
4	3.2	1.9	7.2	8.4	33	17	8.1	6.3	6.3	3.1	27	9.7	
5	3.2	2.0	7.7	8.8	64	16	8.9	6.0	6.0	3.6	23	9.2	
6	3.2	2.0	8.3	8.6	53	15	9.8	5.8	5.6	3.6	20	8.8	
7	3.2	2.0	8.2	8.3	39	14	9.7	5.7	5.4	3.4	97	8.4	
8	3.5	2.1	7.9	7.9	32	14	9.6	8.8	5.3	3.2	67	8.0	
9	4.2	2.1	7.6	7.3	29	13	9.3	19	5.3	2.9	41	8.0	
10	3.5	2.4	7.2	7.1	28	12	9.0	22	5.1	2.7	33	8.1	
11	3.5	2.4	6.7	6.7	42	12	8.6	22	4.8	2.6	28	7.6	
12	3.3	2.5	6.6	6.3	42	11	8.3	20	4.7	2.3	24	7.2	
13	3.5	2.5	6.4	6.0	33	11	8.2	19	4.5	2.3	21	6.8	
14	3.4	2.5	6.0	6.2	30	11	8.1	20	4.3	2.3	19	6.4	
15	3.3	2.7	5.5	5.8	28	10	13	20	4.2	2.3	17	6.1	
16	3.3	2.8	5.4	5.6	26	10	13	18	4.1	2.5	16	5.9	
17	3.3	2.7	5.6	6.7	25	9.6	12	17	3.9	2.6	27	5.8	
18	3.3	2.7	5.5	6.6	23	9.3	11	16	4.0	2.5	18	5.7	
19	3.2	3.2	5.3	6.6	23	9.0	11	14	3.7	2.4	16	5.4	
20	3.2	3.1	5.1	6.5	22	9.0	10	14	3.4	2.2	15	5.1	
21	3.2	3.1	5.1	6.3	21	9.2	9.5	13	3.3	2.1	14	5.0	
22	3.7	3.2	5.2	6.0	20	11	9.0	12	3.2	2.1	13	4.8	
23	3.6	3.1	5.1	6.0	19	10	8.5	11	3.1	2.1	12	4.7	
24	3.6	3.1	5.1	5.9	18	11	8.3	10	3.0	513	18	4.7	
25	3.4	3.2	5.1	6.0	19	11	8.1	9.9	2.9	86	21	4.7	
26	3.3	3.2	5.0	5.8	19	10	7.6	9.6	2.8	37	20	4.6	
27	3.3	3.5	4.8	5.6	19	10	7.3	9.1	2.7	64	19	4.5	
28	3.2	6.3	4.8	5.8	18	10	6.9	8.8	5.4	90	17	4.4	
29	2.7	4.9	4.8	5.8	---	9.6	6.6	8.5	3.2	141	16	4.1	
30	2.1	4.7	4.7	5.7	---	9.3	6.3	8.1	4.6	92	15	3.8	
31	2.0	---	4.7	15	---	9.1	---	7.7	---	70	14	---	
TOTAL	100.3	85.4	184.3	208.5	938	366.1	271.4	382.1	135.8	1155.7	812	200.5	
MEAN	3.24	2.85	5.95	6.73	33.5	11.8	9.05	12.3	4.53	37.3	26.2	6.68	
MAX	4.2	6.3	8.3	15	106	18	13	22	7.4	513	97	12	
MIN	2.0	1.8	4.5	4.8	18	9.0	6.3	5.7	2.7	2.1	12	3.8	
CFSM	.34	.30	.62	.71	3.52	1.24	.95	1.29	.48	3.91	2.75	.70	
IN.	.39	.33	.72	.81	3.66	1.43	1.06	1.49	.53	4.51	3.17	.78	
CAL YR 1984	TOTAL	7713.6		MEAN	21.1	MAX	386	MIN	1.8	CFSM	2.21	IN.	30.11
WTR YR 1985	TOTAL	4840.1		MEAN	13.3	MAX	513	MIN	1.8	CFSM	1.40	IN.	18.89

MOBILE RIVER BASIN

02398300 CHATTOOGA RIVER ABOVE GAYLESVILLE, AL

LOCATION.--Lat 34°17'25", long 85°30'33", in NW¼ sec. 5, T. 9 S., R. 11 E., Cherokee County, Hydrologic Unit 03150105, on left bank 10 ft upstream from bridge on county road, 600 ft downstream from Mills Creek, 3.5 mi northeast of Gaylesville, and 20.1 mi upstream from mouth.

DRAINAGE AREA.--366 mi².

PERIOD OF RECORD.--January 1959 to September 1967, October 1967 to September 1971 (annual peak discharge only), October 1971 to September 1984 (flood hydrograph only), October 1984 to September 1985.

REVISED RECORDS.--WSP 1906: Location. WDR AL-83-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 562.11 ft above National Geodetic Vertical Datum of 1929 (Alabama Power Company bench mark). December 4, 1958, to July 20, 1959, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Feb. 1-21 and Mar. 6 to Apr. 5. Records fair.

AVERAGE DISCHARGE.--9 years (water years 1960-67, 1985), 641 ft³/s, 23.78 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,000 ft³/s, Jan. 4, 1982, gage height, 22.23 ft; 1959-67, minimum daily discharge, 115 ft³/s, Oct. 25 to Nov. 3, 1961, Sept. 25, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951, reached a stage of 23.5 ft from floodmarks.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 2	unknown	*7,840	*17.94				

Minimum discharge, 155 ft³/s, July 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	196	219	314	241	3000	587	412	269	256	482	633	312
2	188	217	303	320	5000	606	380	449	240	265	523	285
3	187	214	488	345	2700	571	360	501	230	204	458	267
4	191	213	482	495	1800	546	355	381	218	237	395	253
5	190	207	446	539	2000	527	355	328	212	401	351	240
6	188	194	482	477	2300	502	650	301	204	458	322	226
7	186	191	487	439	1600	500	625	284	198	303	303	220
8	192	189	441	399	1300	475	537	638	285	239	571	214
9	237	189	403	357	1000	450	493	1020	315	214	481	199
10	443	196	372	335	900	440	464	999	235	196	388	200
11	271	228	337	333	1100	438	441	1000	222	188	337	200
12	222	212	317	316	1800	420	415	861	232	182	312	190
13	206	194	304	298	1400	400	387	1520	225	177	282	183
14	201	193	291	287	1100	390	376	788	210	173	260	179
15	201	194	279	279	950	380	623	644	199	200	244	174
16	199	201	274	277	800	370	716	564	199	209	233	177
17	201	197	262	330	730	375	605	513	194	190	487	173
18	214	194	249	390	650	369	544	482	206	175	627	169
19	207	205	242	366	606	350	505	450	233	169	449	166
20	201	220	240	339	643	335	476	416	229	165	364	165
21	204	202	247	306	612	325	451	383	202	161	315	164
22	228	194	258	286	577	410	419	363	190	156	278	163
23	255	192	259	279	560	575	388	338	191	166	252	163
24	285	191	257	278	548	500	378	322	187	440	278	174
25	289	191	257	278	568	480	364	304	183	3000	917	166
26	329	192	249	265	699	450	335	293	177	622	714	167
27	272	193	247	255	654	420	321	279	176	523	571	166
28	253	348	243	263	609	410	309	273	182	952	491	171
29	247	499	241	276	---	390	292	279	241	966	438	163
30	235	357	241	274	---	385	278	318	217	1360	385	157
31	227	---	241	492	---	387	---	278	---	776	342	---
TOTAL	7145	6626	9753	10414	36206	13763	13254	15838	6488	13949	13001	5846
MEAN	230	221	315	336	1293	444	442	511	216	450	419	195
MAX	443	499	488	539	5000	606	716	1520	315	3000	917	312
MIN	186	189	240	241	548	325	278	269	176	156	233	157

WTR YR 1985 TOTAL 152283 MEAN 417 MAX 5000 MIN 156

02399200 LITTLE RIVER NEAR BLUE POND, AL

LOCATION.--Lat 34°17'16", long 85°35'51", in NW¼ sec. 3, T. 9 S., R. 9 E., Cherokee County, Hydrologic Unit 03150105, on right bank at Canyon Mouth Park, 0.9 mi upstream from State Highway 176, 2.5 mi upstream from Wolf Creek, 4.2 mi northeast of Blue Pond, and 7.5 miles upstream from mouth.

DRAINAGE AREA.--199 mi².

PERIOD OF RECORD.--December 1958 to September 1967, October 1967 to September 1970 (flood hydrograph and low-flow partial-record station), October 1970 to current year.

REVISED RECORD.--WDR AL-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 589.34 ft above National Geodetic Vertical Datum of 1929. Dec. 1, 1958, to Aug. 1, 1959, nonrecording gage on highway bridge 0.9 mi downstream, and Aug. 2, 1959, to May 27, 1981, recording gage 0.7 mile downstream at datum 7.96 ft lower.

REMARKS.--No estimated daily discharges. Records good except those above 23,000 ft³/s, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--23 years (water years 1960-67, 1971-85), 508 ft³/s, 34.67 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 53,800 ft³/s, July 24, 1985, gage height, 16.98 ft from rating curve extended above 23,000 ft³/s on basis of computation of peak discharge at contracted opening and flow over the road; minimum, 0.2 ft³/s, July 20, 21, 22, 1960.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 1	1545	9,100	8.62	July 27	1915	12,400	9.69
July 24	1445	*53,800	*16.98	July 29	0845	11,000	9.26

Minimum discharge, 0.94 ft³/s, Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	1.4	30	306	153	6220	452	324	51	33	43	1340	184	
2	1.1	27	306	236	4220	443	283	200	26	45	966	126	
3	.99	25	803	311	1930	375	254	243	21	31	739	95	
4	.95	26	558	727	1230	331	228	162	18	23	446	77	
5	.94	26	529	700	1740	307	225	113	15	38	344	63	
6	.94	26	658	550	2040	279	839	88	13	58	278	54	
7	.94	23	558	448	1280	250	685	73	11	50	286	42	
8	1.3	19	436	384	929	232	512	575	12	38	1110	44	
9	4.1	16	364	340	760	220	394	1450	45	28	635	36	
10	6.4	18	330	309	646	203	330	1480	32	21	508	30	
11	28	24	284	316	1040	186	279	1170	24	16	383	32	
12	31	26	248	279	1940	169	239	905	21	13	284	34	
13	25	32	224	250	1220	144	210	1100	17	9.7	207	26	
14	20	32	202	236	990	131	195	679	16	7.7	146	21	
15	16	28	173	216	830	117	943	504	13	8.5	138	18	
16	15	29	154	196	692	105	1050	370	12	22	128	16	
17	15	30	141	271	603	98	766	284	9.8	26	1260	14	
18	14	32	129	334	527	88	578	236	9.5	21	1050	12	
19	15	37	118	330	493	64	458	186	9.6	15	675	11	
20	19	53	109	292	579	59	362	133	16	12	447	9.3	
21	33	59	132	227	524	64	290	104	15	8.9	319	8.3	
22	40	46	183	247	470	510	237	72	12	7.3	240	7.5	
23	48	39	273	213	428	591	198	60	9.7	8.6	178	7.2	
24	63	35	255	202	386	590	173	54	8.9	18900	176	7.4	
25	127	32	259	194	415	561	150	47	10	5630	1900	7.4	
26	141	30	238	162	608	451	117	40	10	1930	1080	7.3	
27	68	31	219	135	568	364	96	33	9.5	4570	743	7.4	
28	49	665	205	154	499	334	82	30	16	6760	531	6.7	
29	40	578	188	171	---	292	70	31	11	7670	395	8.1	
30	37	363	170	165	---	256	58	30	13	4010	311	8.6	
31	33	---	154	431	---	257	---	40	---	2380	249	---	
TOTAL	896.06	2437	8906	9179	33807	8523	10625	10543	489.0	52400.7	17492	1020.2	
MEAN	28.9	81.2	287	296	1207	275	354	340	16.3	1690	564	34.0	
MAX	141	665	803	727	6220	591	1050	1480	45	18900	1900	184	
MIN	.94	16	109	135	386	59	58	30	8.9	7.3	128	6.7	
CFSM	.15	.41	1.44	1.49	6.07	1.38	1.78	1.71	.08	8.49	2.83	.17	
IN.	.17	.46	1.66	1.72	6.32	1.59	1.99	1.97	.09	9.80	3.27	.19	
CAL YR 1984	TOTAL	165343.61		MEAN	452	MAX	7810	MIN	.94	CFSM	2.27	IN.	30.91
WTR YR 1985	TOTAL	156317.96		MEAN	428	MAX	18900	MIN	.94	CFSM	2.15	IN.	29.22

MOBILE RIVER BASIN

02400100 TERRAPIN CREEK AT ELLISVILLE, AL

LOCATION.--Lat 39°03'54", long 85°36'51", in SW¼ sec. 20, T. 11 S., R. 10 E., Cherokee County, Hydrologic Unit 03150105, on right bank 40 ft downstream from bridge on State Highway 9, 0.2 mi southwest of Ellisville, and 6.7 miles upstream from mouth.

DRAINAGE AREA.--252 mi².

PERIOD OF RECORD.--October 1962 to September 1967, October 1967 to September 1972 (annual peak discharge only), October 1972 to September 1979 (flood hydrograph only), October 1980 to current year.

REVISED RECORD.--WDR AL-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 539.07 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 4 to Dec. 17, Jan. 13-30, and June 21-25. Records good except those for periods of estimated daily discharges, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--10 years (water years 1963-67, 1981-85), 411 ft³/s, 22.13 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,100 ft³/s, Mar. 4, 1979, gage height, 19.82 ft; minimum discharge, 64 ft³/s, Oct. 3-9, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 1	0600	*3,690	*12.22				

Minimum discharge, 100 ft³/s, June 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	114	121	229	146	3210	554	211	161	158	619	299	252	
2	112	122	202	218	2310	496	200	287	149	385	314	214	
3	112	119	390	371	1480	427	193	1340	142	263	275	197	
4	111	119	300	631	1080	379	189	765	135	199	220	183	
5	112	120	272	520	1830	350	195	397	130	240	192	173	
6	112	120	340	362	2320	315	429	274	126	301	175	169	
7	112	119	311	293	1400	288	361	237	135	293	178	165	
8	113	118	282	243	933	270	280	452	170	229	195	195	
9	120	119	234	222	667	263	242	758	174	184	186	178	
10	126	126	217	210	553	253	221	567	147	147	277	162	
11	123	130	200	204	562	241	209	1050	141	132	190	152	
12	118	128	191	196	660	234	201	765	151	124	163	145	
13	117	122	180	187	525	224	198	581	140	121	149	149	
14	116	118	176	178	466	217	195	384	129	120	140	141	
15	117	119	170	168	418	211	372	297	160	184	133	135	
16	116	120	163	190	360	207	449	261	168	206	129	132	
17	115	119	159	228	348	205	353	237	169	178	824	130	
18	116	121	157	221	321	198	293	224	154	142	598	126	
19	116	128	154	203	301	192	279	213	143	125	279	124	
20	117	134	153	190	322	190	268	201	164	114	214	122	
21	117	127	151	178	307	192	228	193	151	113	184	119	
22	116	119	156	167	273	336	206	187	140	188	167	118	
23	117	115	164	168	259	439	195	180	127	159	153	118	
24	119	113	163	169	256	332	190	177	117	367	147	119	
25	121	114	158	159	522	311	193	171	110	563	225	119	
26	121	117	154	152	1500	271	184	166	107	272	1590	119	
27	120	145	151	151	1020	243	176	161	106	428	896	116	
28	123	190	148	162	689	230	180	153	102	1990	595	112	
29	124	322	148	157	---	224	181	184	324	967	370	110	
30	125	275	145	173	---	215	169	193	245	571	284	107	
31	123	---	144	898	---	210	---	170	---	381	272	---	
TOTAL	3641	4079	6162	7715	24892	8717	7240	11386	4514	10305	10013	4401	
MEAN	117	136	199	249	889	281	241	367	150	332	323	147	
MAX	126	322	390	898	3210	554	449	1340	324	1990	1590	252	
MIN	111	113	144	146	256	190	169	153	102	113	129	107	
CFSM	.46	.54	.79	.99	3.53	1.12	.96	1.46	.60	1.32	1.28	.58	
IN.	.54	.60	.91	1.14	3.67	1.29	1.07	1.68	.67	1.52	1.48	.65	
CAL YR 1984	TOTAL	152848		MEAN	418	MAX	4210	MIN	109	CFSM	1.66	IN.	22.56
WTR YR 1985	TOTAL	103065		MEAN	282	MAX	3210	MIN	102	CFSM	1.12	IN.	15.21

MOBILE RIVER BASIN

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MOBILE RIVER MAIN STEM

02400500 COOSA RIVER AT GADSDEN, AL

LOCATION.--Lat 34°00'37", long 85°59'52", in NE¼ sec. 10, T. 12 S., R. 6 E., Etowah County, Hydrologic Unit 03150106, near midstream in pier of Etowah County Memorial Bridge on Forrest Avenue in Gadsden, 450 ft downstream from Louisville & Nashville Railroad bridge, 1.5 mi upstream from Big Wills Creek, and at mile 174.8.

DRAINAGE AREA.--5,805 mi².

PERIOD OF RECORD.--October 1926 to September 1976. October 1976 to current year (flood hydrograph only). Gage-height records collected at same site since 1890 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1906: 1944, 1947-49, 1951-52, 1954, 1958. WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 485.97 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1926, nonrecording gage on Louisville & Nashville Railroad bridge 450 ft upstream at datum 1.15 ft higher. Oct. 1, 1926, to Mar. 31, 1932, water-stage recorder, and Apr. 1, 1932, to May 23, 1935, nonrecording gage, at present site and datum. Since May 4, 1965, auxiliary water-stage recorder 2.2 mi upstream from base gage at present datum.

REMARKS.--No estimated daily gage heights. Record good. A flood hydrograph for selected peaks occurring during the 1985 water year is published under discharge at partial-record stations and miscellaneous sites in this report.

AVERAGE DISCHARGE.--50 years, (water years 1927-76) 9,468 ft³/s, 22.15 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,900 ft³/s, Apr. 11, 1936, gage height, 31.13 ft; minimum daily, 100 ft³/s, many days in water year 1967.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 6, 1886, reached a stage of 37.9 ft, from floodmarks established by U.S. Army Corps of Engineers, discharge, 115,000 ft³/s, from rating curve extended above 80,000 ft³/s. Flood of July 15, 1916, reached a stage of 32.7 ft, discharge, 85,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.85 ft, July 29; minimum, 15.43 ft, Dec. 19.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.80	20.51	18.96	18.95	20.79	19.16	19.27	20.96	21.87	22.18	22.15	22.09
2	21.75	19.95	19.15	18.96	21.48	19.24	19.24	21.09	21.94	22.22	22.11	22.05
3	21.82	19.77	19.22	18.71	21.83	19.38	19.18	21.27	21.91	22.05	22.07	22.03
4	21.84	19.89	19.24	18.86	21.50	19.03	19.30	21.62	21.86	22.03	22.14	21.93
5	21.79	19.88	19.21	19.03	21.67	18.87	19.36	21.90	21.78	22.02	22.11	21.91
6	21.92	19.68	19.31	19.31	21.94	18.94	19.28	21.92	21.74	22.11	22.08	21.87
7	21.96	19.11	19.20	19.36	21.76	18.97	19.08	21.90	21.65	22.22	22.10	21.93
8	21.96	18.92	18.73	19.19	21.46	19.06	19.13	21.90	21.70	22.25	21.97	22.08
9	22.11	18.87	18.02	19.10	21.38	18.94	19.22	21.84	21.77	22.04	21.97	22.09
10	22.07	19.01	16.88	19.02	21.24	19.15	19.07	22.03	21.71	21.94	22.02	22.09
11	21.98	19.12	16.39	18.76	21.03	19.04	18.89	22.27	21.64	21.93	22.06	22.05
12	21.87	19.02	16.05	18.73	19.73	18.99	18.89	22.39	21.69	21.90	22.05	21.99
13	21.82	18.96	16.01	18.94	19.27	18.96	19.06	22.21	21.65	21.95	22.02	21.91
14	21.89	18.87	15.95	18.87	19.24	18.95	19.21	21.95	21.66	22.02	21.90	21.91
15	21.85	18.80	16.00	18.77	19.26	19.01	19.40	22.03	21.78	22.02	21.78	21.96
16	21.76	18.70	16.13	18.72	19.27	19.06	19.70	21.87	21.91	22.03	21.71	21.92
17	21.68	18.99	16.06	18.68	19.24	19.09	19.72	21.93	21.88	21.99	22.00	21.90
18	21.65	19.18	15.79	18.78	19.19	19.04	19.83	22.08	21.93	21.86	22.08	21.89
19	21.59	19.13	15.70	19.00	19.32	19.05	19.86	22.21	21.96	21.84	22.04	21.87
20	21.78	19.01	15.71	19.09	19.25	19.03	20.08	22.21	21.97	21.86	22.00	21.87
21	21.86	18.85	15.70	18.76	18.96	19.04	20.38	22.14	21.92	21.90	21.97	21.94
22	21.81	18.83	16.27	18.68	19.02	19.02	20.50	22.13	21.90	21.87	21.97	21.99
23	21.75	18.81	16.89	18.61	19.02	19.29	20.52	21.94	21.96	21.88	21.96	21.96
24	21.67	18.89	16.83	18.62	19.05	19.31	20.66	21.91	21.95	21.78	22.04	21.95
25	21.51	18.93	16.94	18.66	18.91	19.01	20.73	21.91	21.92	21.32	22.16	21.95
26	21.37	18.88	17.19	18.81	18.70	18.92	20.74	22.00	21.94	22.10	22.32	21.95
27	21.45	18.89	17.50	18.94	19.21	19.06	20.89	21.99	21.93	22.03	22.24	21.94
28	21.55	19.04	17.90	19.07	19.46	18.96	21.01	21.87	21.90	22.57	22.10	21.99
29	21.42	18.87	18.18	19.10	---	19.02	20.98	21.81	21.95	23.20	22.00	22.03
30	21.23	18.88	18.38	19.00	---	19.15	20.95	21.84	22.07	22.36	21.91	22.00
31	20.95	---	18.45	19.32	---	19.19	---	21.81	---	22.18	22.01	---
MEAN	21.72	19.14	17.35	18.92	20.08	19.06	19.80	21.90	21.85	22.05	22.03	21.97
MAX	22.11	20.51	19.31	19.36	21.94	19.38	21.01	22.39	22.07	23.20	22.32	22.09
MIN	20.95	18.70	15.70	18.61	18.70	18.87	18.89	20.96	21.64	21.32	21.71	21.87

CAL YR 1984 MEAN 20.65 MAX 23.43 MIN 15.70
WTR YR 1985 MEAN 20.49 MAX 23.20 MIN 15.70

MOBILE RIVER BASIN

02401370 BIG CANOE CREEK NEAR SPRINGVILLE, AL

LOCATION.--Lat 33°48'49", long 86°22'54", in NE¼ sec. 13, T. 14 S., R. 2 E., St. Clair County, Hydrologic Unit 03150106, on downstream side of bridge on U.S. Highway 11, 1 mi west of Caldwell, 4 mi northwest of Springville, and 37.0 mi upstream from mouth.

DRAINAGE AREA.--45.0 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 587.42 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--7 years, 91.5 ft³/s, 27.60 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft³/s, Dec. 1, 1982, gage height, 12.79 ft. Minimum daily discharge, 4.5 ft³/s, Aug. 27-29, Sept. 5, 6, 1981.

EXTREMES FOR CURRENT YEAR.-- Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 1	0500	*2,190	*10.12				

Minimum discharge, 6.6 ft³/s, Oct. 1-5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	6.9	7.1	77	20	1570	109	70	45	14	18	67	14	
2	6.7	22	101	24	527	101	58	131	13	13	52	13	
3	6.8	23	169	29	266	89	52	69	13	11	39	14	
4	6.7	16	109	57	187	82	48	48	12	13	33	15	
5	6.8	14	145	54	741	76	51	37	12	23	27	16	
6	7.3	12	147	44	473	68	87	32	11	136	24	22	
7	7.0	11	113	39	254	62	73	36	11	84	22	14	
8	7.0	9.8	95	35	179	58	63	59	11	44	21	14	
9	7.7	9.1	82	32	146	54	55	183	11	30	19	13	
10	7.5	9.4	73	30	126	48	49	150	18	24	18	12	
11	7.4	10	64	29	222	46	45	116	20	20	17	12	
12	7.1	11	55	26	245	42	41	91	30	17	15	11	
13	7.1	9.6	46	25	170	38	39	74	19	16	14	11	
14	7.2	9.3	39	24	144	36	38	61	26	15	13	11	
15	7.3	9.4	33	23	125	34	98	50	17	14	14	11	
16	7.8	9.9	30	23	110	32	119	42	13	19	15	11	
17	11	10	28	46	99	31	90	37	13	15	44	10	
18	9.4	11	26	45	89	29	75	34	12	14	27	10	
19	8.0	14	25	40	86	27	65	30	12	13	18	10	
20	7.9	18	24	36	85	26	56	27	12	12	15	9.8	
21	8.5	15	23	35	77	32	48	25	11	12	14	10	
22	14	14	24	32	71	353	41	23	11	12	14	10	
23	12	13	25	30	67	173	37	22	10	11	13	11	
24	12	13	22	29	72	121	35	21	10	13	14	12	
25	11	12	21	29	142	97	34	19	10	16	29	11	
26	9.1	12	20	26	226	81	30	17	9.9	17	26	11	
27	8.1	21	19	24	153	74	28	16	9.7	248	23	10	
28	8.1	252	19	25	124	72	26	15	10	870	19	10	
29	8.7	109	18	26	---	66	24	15	11	194	16	11	
30	8.0	83	18	26	---	58	22	15	11	113	15	11	
31	7.5	---	17	505	---	66	---	14	---	84	16	---	
TOTAL	257.6	789.6	1707	1468	6776	2281	1597	1554	403.6	2141	713	360.8	
MEAN	8.31	26.3	55.1	47.4	242	73.6	53.2	50.1	13.5	69.1	23.0	12.0	
MAX	14	252	169	505	1570	353	119	183	30	870	67	22	
MIN	6.7	7.1	17	20	67	26	22	14	9.7	11	13	9.8	
CFSM	.18	.58	1.22	1.05	5.38	1.64	1.18	1.11	.30	1.54	.51	.27	
IN.	.21	.65	1.41	1.21	5.60	1.89	1.32	1.28	.33	1.77	.59	.30	
CAL YR 1984	TOTAL	27502.6		MEAN	75.1	MAX	1750	MIN	6.1	CFSM	1.67	IN.	22.74
WTR YR 1985	TOTAL	20048.6		MEAN	54.9	MAX	1570	MIN	6.7	CFSM	1.22	IN.	16.57

MOBILE RIVER BASIN

69

02401390 BIG CANOE CREEK AT ASHVILLE, AL

LOCATION.--Lat 33°50'23", long 86°15'46", in SWkSEk sec. 6, T. 14 S., R. 4 E., St. Clair County, Hydrologic Unit 03150106, on downstream side of bridge on U.S. Highway 231, 0.5 mi west-northwest of Ashville, 1.7 mi downstream from Muckleroy Creek, and 22.3 mi upstream from mouth.

DRAINAGE AREA.--141 mi².

PERIOD OF RECORD.--October 1965 to current year.

REVISED RECORDS.--WDR AL-76-1: 1971-75 (P). WDR AL-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 529.56 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

DISCHARGE.--20 years, 283 ft³/s, 27.25 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,600 ft³/s, Apr. 13, 1979, gage height, 18.75 ft; minimum, 10 ft³/s, Sept. 22, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 1	2100	*4,600	*14.56				

Minimum discharge, 17 ft³/s, Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	17	25	119	66	4140	310	209	77	45	40	144	43	
2	18	44	177	118	3670	290	154	619	43	43	122	41	
3	18	69	549	133	1030	249	137	245	41	38	146	39	
4	18	45	226	195	562	219	129	146	39	41	100	40	
5	18	39	415	150	1490	201	126	113	42	69	85	40	
6	18	35	424	120	2650	174	313	97	37	251	76	44	
7	18	30	249	106	877	155	200	92	36	282	71	50	
8	19	27	187	98	545	147	161	225	36	115	67	42	
9	20	25	158	89	405	141	142	948	36	78	63	39	
10	21	25	137	84	334	131	130	766	36	63	58	37	
11	20	26	122	84	569	122	121	588	45	63	56	36	
12	19	27	110	79	932	116	116	317	60	52	52	34	
13	19	26	103	73	541	107	111	235	58	45	48	33	
14	20	24	96	70	406	102	106	188	42	50	46	32	
15	20	24	89	69	335	98	414	156	47	47	45	31	
16	21	24	84	68	285	93	473	132	39	46	49	30	
17	24	25	81	156	252	91	263	118	36	59	155	30	
18	28	25	77	143	223	87	204	105	36	48	102	30	
19	29	28	75	110	209	82	171	94	34	41	67	31	
20	25	33	73	97	220	80	151	85	33	39	55	32	
21	25	35	71	91	198	95	137	79	31	38	49	31	
22	35	31	72	85	173	1860	123	75	29	36	47	31	
23	42	29	76	80	160	716	110	74	29	36	44	31	
24	34	28	72	78	165	368	107	67	28	37	44	33	
25	36	28	71	77	477	278	107	62	26	40	52	35	
26	32	28	67	74	949	226	99	58	26	69	70	32	
27	27	33	64	69	510	198	92	55	25	499	70	31	
28	26	742	62	70	367	190	87	52	25	1340	62	30	
29	29	266	61	75	---	174	83	50	25	700	53	30	
30	30	139	61	77	---	157	78	50	30	275	48	30	
31	26	---	60	1170	---	174	---	48	---	190	45	---	
TOTAL	752	1985	4288	4054	22674	7431	4854	6016	1095	4770	2191	1048	
MEAN	24.3	66.2	138	131	810	240	162	194	36.5	154	70.7	34.9	
MAX	42	742	549	1170	4140	1860	473	948	60	1340	155	50	
MIN	17	24	60	66	160	80	78	48	25	36	44	30	
CFSM	.17	.47	.98	.93	5.74	1.70	1.15	1.38	.26	1.09	.50	.25	
IN.	.20	.52	1.13	1.07	5.98	1.96	1.28	1.59	.29	1.26	.58	.28	
CAL YR 1984	TOTAL	85934		MEAN	235	MAX	3980	MIN	17	CFSM	1.67	IN.	22.67
WTR YR 1985	TOTAL	61158		MEAN	168	MAX	4140	MIN	17	CFSM	1.19	IN.	16.14

MOBILE RIVER BASIN

02401460 GULF CREEK NEAR ASHVILLE, AL

LOCATION.--Lat 33°54'08", long 86°14'51", in SW¼ sec. 17, T. 13 S., R. 4 E., St. Clair County, Hydrologic Unit 03150106, on downstream side of bridge on U.S. Highway 11, 3.1 mi upstream from mouth, 3.6 mi southwest of Steele, and 4.5 mi north of Ashville.

DRAINAGE AREA.--14.3 mi².

PERIOD OF RECORD.--October 1978 to September 1985 (discontinued)

REVISED RECORDS.--WDR AL-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 540 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Dec. 6 to Jan. 31, July 14-25, and Aug. 8-14. Records fair except for periods of estimated record, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--7 years, 28.6 ft³/s, 27.20 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,060 ft³/s, Apr. 13, 1979, gage height, 11.47 ft; minimum daily, 0.1 ft³/s, Sept. 18-22, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 950 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 1	0015	*332	*6.85				

Minimum discharge, 0.43 ft³/s, Oct. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.50	1.1	1.2	7.4	259	37	23	19	2.4	1.2	20	9.7	
2	.51	1.2	2.2	11	177	35	20	26	2.0	1.2	18	9.2	
3	.51	1.2	2.5	15	109	31	19	21	1.7	1.4	19	8.7	
4	.50	1.2	2.1	22	78	28	17	20	1.4	2.0	16	7.8	
5	.49	1.1	3.6	17	204	25	18	18	1.2	1.9	14	7.5	
6	.46	1.1	3.8	14	159	22	25	17	.90	28	11	8.3	
7	.45	1.1	2.4	12	97	20	20	18	.93	8.2	10	9.3	
8	.48	1.0	2.0	11	70	19	17	24	1.2	5.4	9.2	9.8	
9	.52	.99	1.8	10	55	17	15	35	1.2	4.1	9.0	9.5	
10	.51	1.0	1.7	9.4	45	16	14	33	1.3	3.6	9.0	9.0	
11	.51	1.1	1.6	9.2	79	15	13	35	1.5	6.3	9.0	9.1	
12	.51	1.1	1.6	8.8	79	14	12	31	1.5	11	8.8	9.0	
13	.51	1.1	1.5	8.2	62	13	12	24	1.2	6.0	8.8	8.7	
14	.52	1.1	1.4	7.8	53	13	12	20	1.3	5.0	8.6	8.5	
15	.56	1.0	1.4	7.8	45	12	28	18	1.4	4.5	14	8.6	
16	.56	1.0	1.4	10	39	11	28	16	1.4	4.2	24	8.9	
17	.55	1.0	1.4	16	31	11	22	15	1.4	4.2	50	8.6	
18	.54	1.0	1.3	15	25	11	19	14	1.7	3.9	28	8.5	
19	.53	1.1	1.3	13	24	10	16	13	1.5	3.7	21	8.6	
20	.54	1.1	1.3	11	24	9.9	14	13	1.5	3.7	16	8.3	
21	.63	1.1	1.3	10	20	12	12	13	1.4	3.6	14	8.0	
22	.61	.98	1.4	10	18	122	11	12	1.3	3.8	13	8.1	
23	.70	1.0	1.6	9.0	17	64	11	11	1.3	3.6	11	8.3	
24	.81	1.0	1.5	8.5	19	50	10	9.0	1.2	3.5	15	8.6	
25	.86	1.0	1.4	8.4	44	40	9.2	7.8	1.3	3.7	24	7.7	
26	.93	.94	1.3	8.2	57	32	8.8	6.9	1.3	12	23	7.9	
27	.98	1.2	1.2	8.0	48	29	9.2	6.0	1.4	47	19	7.6	
28	1.0	2.5	1.2	9.0	42	27	11	5.1	1.5	58	16	7.3	
29	1.1	1.2	1.2	16	---	24	15	4.7	1.5	46	14	7.3	
30	1.1	1.1	1.2	30	---	21	16	3.9	1.5	35	12	7.2	
31	1.1	---	1.2	50	---	26	---	3.1	---	27	11	---	
TOTAL	20.08	33.61	52.0	402.7	1979	816.9	477.2	512.5	42.33	352.7	495.4	253.6	
MEAN	.65	1.12	1.68	13.0	70.7	26.4	15.9	16.5	1.41	11.4	16.0	8.45	
MAX	1.1	2.5	3.8	50	259	122	28	35	2.4	58	50	9.8	
MIN	.45	.94	1.2	7.4	17	9.9	8.8	3.1	.90	1.2	8.6	7.2	
CFSM	.05	.08	.12	.91	4.95	1.85	1.11	1.16	.10	.80	1.12	.59	
IN.	.05	.09	.14	1.05	5.16	2.13	1.24	1.34	.11	.92	1.29	.66	
CAL YR 1984	TOTAL	7797.88		MEAN	21.3	MAX	338	MIN	.45	CFSM	1.49	IN.	20.31
WTR YR 1985	TOTAL	5438.02		MEAN	14.9	MAX	259	MIN	.45	CFSM	1.04	IN.	14.17

MOBILE RIVER BASIN

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02401470 LITTLE CANOE CREEK NEAR STEELE, AL

LOCATION.--Lat 33°58'09", long 86°10'40", in SE&SW& sec. 24, T. 12 S., R. 4 E., Hydrologic Unit 03150105, on downstream side of bridge on U.S. Highway 11 at Etowah and St. Clair County line, 2.3 miles north of Steele, and 7.2 mi upstream from mouth.

DRAINAGE AREA.--22.3 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 554.62 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 28 to Mar. 3. Records good except those for period of estimated record, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 2,090 ft³/s, May 18, 1983, gage height, 8.19 ft; minimum daily, 1.1 ft³/s, Sept. 24, 1983.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since 1970, 2,580 ft³/s, Apr. 13, 1979, gage height, 8.36 ft (from flood mark). The flood of Mar. 19, 1970, reached a stage of 8.23 ft (from flood mark), 2,350 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 1	unknown	*842	*7.06 (flood mark)				

Minimum daily discharge, 2.1 ft³/s, Nov. 9, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	3.2	3.1	10	9.0	290	38	29	14	8.6	7.2	16	13	
2	3.2	7.7	14	15	170	35	25	23	8.1	7.7	14	12	
3	3.2	6.8	40	20	120	30	25	18	7.9	7.4	12	13	
4	3.1	5.2	16	27	100	29	25	15	7.6	8.3	11	17	
5	3.0	4.3	26	20	200	29	25	14	7.2	8.8	9.5	20	
6	3.0	3.4	40	17	140	26	32	13	6.9	36	8.8	23	
7	3.0	2.7	34	15	100	26	29	13	6.8	16	8.6	25	
8	3.2	2.4	25	13	76	25	27	16	7.2	11	8.6	25	
9	4.1	2.2	21	12	62	24	25	25	6.8	8.7	8.2	22	
10	3.4	2.7	19	11	60	23	22	28	6.7	7.7	7.9	18	
11	3.2	4.4	17	11	82	22	18	32	7.0	7.6	7.7	17	
12	3.2	3.9	15	11	80	22	17	27	7.8	21	7.1	16	
13	3.4	3.3	14	10	70	28	19	23	7.0	10	6.9	15	
14	3.4	3.2	13	9.5	60	28	17	20	6.3	8.6	6.8	13	
15	3.4	3.9	12	9.5	50	24	31	17	6.2	7.8	6.9	11	
16	3.3	4.8	12	9.0	40	19	37	16	6.3	7.4	20	11	
17	4.1	5.0	11	25	36	18	32	14	6.4	7.5	39	9.1	
18	4.0	4.6	11	20	34	18	29	13	7.2	6.9	15	9.5	
19	3.5	5.5	10	16	32	17	26	12	6.8	6.5	11	11	
20	3.7	6.1	10	13	30	17	24	13	6.4	6.4	9.7	11	
21	4.1	5.2	10	12	27	20	22	12	6.2	6.3	9.4	10	
22	7.4	4.6	10	11	24	115	20	11	6.2	6.6	9.1	13	
23	5.8	4.2	11	10	22	71	18	11	6.9	6.3	9.9	14	
24	5.0	3.9	10	9.5	25	53	18	10	6.6	6.2	12	14	
25	4.4	3.8	9.5	9.0	50	42	18	9.6	6.1	6.6	19	12	
26	3.8	3.6	9.0	8.5	60	36	16	9.5	6.3	6.7	22	11	
27	3.6	3.9	9.0	8.0	50	33	14	9.2	6.4	33	18	11	
28	4.0	55	8.5	8.0	40	30	14	9.1	6.5	73	15	9.2	
29	4.4	25	8.5	8.5	---	29	13	8.9	6.7	84	12	8.4	
30	3.8	12	8.0	10	---	27	13	8.7	6.6	30	11	7.8	
31	3.3	---	8.0	50	---	29	---	8.6	---	21	13	---	
TOTAL	117.2	206.4	471.5	437.5	2130	983	680	473.6	205.7	488.2	385.1	422.0	
MEAN	3.78	6.88	15.2	14.1	76.1	31.7	22.7	15.3	6.86	15.7	12.4	14.1	
MAX	7.4	55	40	50	290	115	37	32	8.6	84	39	25	
MIN	3.0	2.2	8.0	8.0	22	17	13	8.6	6.1	6.2	6.8	7.8	
CFSM	.17	.31	.68	.63	3.41	1.42	1.02	.69	.31	.70	.56	.63	
IN.	.20	.34	.79	.73	3.55	1.64	1.13	.79	.34	.81	.64	.70	
CAL YR 1984	TOTAL	10643.8		MEAN	29.1	MAX	458	MIN	2.2	CFSM	1.30	IN.	17.76
WTR YR 1985	TOTAL	7000.2		MEAN	19.2	MAX	290	MIN	2.2	CFSM	.86	IN.	11.68

MOBILE RIVER BASIN

02403500 COLDWATER SPRING NEAR ANNISTON, AL

LOCATION.--Lat 33°36'10", long 85°55'33", in SE $\frac{1}{4}$ sec. 29, T. 16 S., R. 7 E., Calhoun County, Hydrologic Unit 03150106, in pool of Coldwater Spring, 200 ft upstream from Coldwater Creek, 2 mi upstream from Choccolocco Creek, and 7 mi southwest of Anniston.

PERIOD OF RECORD.--July 1944 to March 1947, April 1957 to current year.

GAGE.--Water-stage recorder and sharp-crested weir. Elevation of gage is 590 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Mar. 31, 1947, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharge: Aug. 11. Records good. Records of discharge include flow over weir and diversion from pool of an average of 27.8 ft³/s for municipal water supply for City of Anniston as determined by Venturi-meter readings.

COOPERATION.--Records provided by the Water Works and Sewer Board of the City of Anniston.

AVERAGE DISCHARGE.--30 years (water years 1945-46, 1958-85), 48.5 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge for 7-day period, 66 ft³/s, Apr. 1-7, 1976; minimum discharge for 5-day period, 36.4 ft³/s, Dec. 5-9, 6-10, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 53 ft³/s, Mar. 2, 3; minimum daily, 44 ft³/s, Aug. 1, 2, 26, Sept. 1, 2, 13-15, 17, 21-24, 27-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	48	46	45	48	52	49	47	48	46	45	44
2	51	48	47	46	48	53	49	48	47	46	46	44
3	50	49	47	47	48	53	50	48	47	46	45	45
4	49	48	47	47	49	52	49	49	48	46	44	45
5	50	48	48	47	50	51	49	49	48	46	45	46
6	50	47	48	47	51	51	48	50	48	46	44	45
7	49	47	48	47	51	51	49	49	49	46	45	45
8	50	48	48	47	50	52	48	48	48	46	46	45
9	50	47	48	46	50	51	48	48	47	46	46	46
10	50	48	49	47	51	52	49	48	47	47	45	46
11	50	47	48	46	52	52	49	49	48	46	45	45
12	49	47	48	46	52	52	48	50	47	46	45	45
13	50	46	48	47	51	51	49	51	47	45	45	44
14	49	47	47	47	50	51	49	50	48	45	46	44
15	49	47	47	46	51	50	49	50	47	46	46	44
16	49	47	47	46	51	51	49	49	47	46	46	45
17	49	47	47	47	50	51	48	50	46	46	45	44
18	50	48	47	47	51	50	49	50	46	46	45	45
19	50	47	47	46	51	50	49	49	46	46	45	45
20	49	46	47	46	50	50	48	49	45	46	46	45
21	48	46	47	46	50	51	48	49	45	45	46	44
22	49	47	47	47	51	50	48	49	46	46	45	44
23	49	47	47	47	50	49	48	48	45	45	46	44
24	49	47	47	46	50	50	48	49	46	46	45	44
25	48	47	46	46	49	49	48	48	45	45	45	45
26	49	47	46	45	50	49	48	48	45	44	44	45
27	49	47	47	46	51	50	48	49	45	45	45	44
28	48	46	47	47	52	50	48	48	45	45	45	44
29	49	46	47	46	---	49	48	48	45	46	45	44
30	49	47	47	46	---	48	48	48	45	46	45	44
31	48	---	46	47	---	49	---	47	---	45	45	---
TOTAL	1528	1414	1463	1439	1408	1570	1455	1512	1396	1417	1401	1339
MEAN	49.3	47.1	47.2	46.4	50.3	50.6	48.5	48.8	46.5	45.7	45.2	44.6
MAX	51	49	49	47	52	53	50	51	49	47	46	46
MIN	48	46	46	45	48	48	48	47	45	44	44	44
CAL YR 1984	TOTAL	19879		MEAN	54.3	MAX	64	MIN	46			
WTR YR 1985	TOTAL	17342		MEAN	47.5	MAX	53	MIN	44			

02404400 CHOCCOLOCCO CREEK AT JACKSON SHOALS, NEAR LINCOLN, AL

LOCATION.--Lat 33°32'54", long 86°05'49", in SE¼ sec. 15, T. 17 S., R. 5 E., Talladega County, Hydrologic Unit 03150106, on left bank at foot of Jackson Shoals, 50 ft upstream from Alabama Power Company Jackson Shoals transformer station, 900 ft upstream from highway bridge, 1.8 mi downstream from Eastaboga Creek, and 4.5 mi southeast of Lincoln.

DRAINAGE AREA.--481 mi².

PERIOD OF RECORD.--October 1960 to September 1967, October 1967 to September 1970 (annual peak discharge only), October 1970 to September 1974 (gage-height record only in files of Geological Survey), October 1974 to September 1984 (flood hydrograph only), October 1984 to September 1985.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 448.50 ft above National Geodetic Vertical Datum of 1929 (Alabama Power Company benchmark).

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--8 years (water years 1961-67, 1985), 767 ft³/s, 21.65 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,900 ft³/s, Apr. 30, 1963, gage height, 39.98 ft; minimum discharge, 163 ft³/s, Oct. 23, 27-29, 1961.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1951 reached a stage of 42.4 ft from floodmarks.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 5	2000	*4,560	*23.58				

Minimum discharge, 203 ft³/s, Oct. 15, Nov. 26, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	410	212	303	281	2350	1320	413	337	321	679	733	502
2	342	233	386	584	2720	1140	399	1530	299	582	649	483
3	278	248	885	766	2310	1020	386	1120	289	503	535	403
4	243	224	606	805	1660	909	381	871	278	431	444	350
5	233	227	679	821	3010	842	382	696	270	381	392	411
6	226	220	864	755	3910	767	523	566	262	360	354	374
7	222	214	737	626	3090	704	513	485	255	422	342	343
8	231	212	640	539	2210	671	493	557	261	362	336	309
9	261	211	523	473	1610	646	451	704	267	319	336	294
10	239	213	458	437	1330	624	428	845	263	298	336	283
11	233	249	413	411	1230	609	406	1300	260	271	334	284
12	227	236	386	388	1230	590	394	1170	260	267	317	277
13	212	237	369	367	1090	576	397	945	258	256	311	273
14	209	226	348	358	985	571	384	760	256	246	302	273
15	210	214	334	347	894	543	452	635	410	261	293	275
16	213	217	324	341	830	512	538	547	861	275	287	262
17	224	212	314	369	772	488	534	489	384	406	272	253
18	236	215	310	412	724	476	513	453	333	332	265	243
19	216	220	301	424	696	455	461	415	323	281	257	240
20	216	220	302	392	680	447	432	406	292	255	281	242
21	244	217	296	362	655	450	405	384	283	239	625	235
22	374	215	313	335	620	523	386	389	276	239	584	226
23	296	211	323	322	598	597	369	368	262	296	545	222
24	262	209	313	329	590	551	366	367	256	250	427	219
25	249	209	305	335	1080	520	363	344	247	249	352	216
26	227	205	292	325	2680	470	341	336	242	255	319	213
27	222	234	284	315	2180	439	327	328	237	411	294	211
28	224	403	284	323	1620	435	313	312	237	1230	277	216
29	219	380	286	325	---	430	304	316	257	2240	298	219
30	212	330	280	344	---	415	298	348	419	1720	410	214
31	212	---	278	819	---	409	---	340	---	961	461	---
TOTAL	7622	7073	12736	14030	43354	19149	12352	18663	9118	15277	11968	8565
MEAN	246	236	411	453	1548	618	412	602	304	493	386	286
MAX	410	403	885	821	3910	1320	538	1530	861	2240	733	502
MIN	209	205	278	281	590	409	298	312	237	239	257	211
WTR YR 1985	TOTAL	179907		MEAN	493	MAX	3910	MIN	205			

MOBILE RIVER BASIN

02408540 HATCHET CREEK BELOW ROCKFORD, AL

LOCATION.--Lat 32°55'00", long 86°16'13" (corrected), in SE 1/4 sec. 4, T. 22 N., R. 18 E., Coosa County, Hydrologic Unit 03150107, on downstream side of pier near right bank of bridge on county highway, 2.1 mi downstream from Jack Creek, and 4 mi northwest of Rockford.

DRAINAGE AREA.--263 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 377 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--5 years, 429 ft³/s, 22.15 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,500 ft³/s, Feb. 3, 1982, gage height, 25.65 ft; minimum daily discharge, 18 ft³/s, Oct. 6, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 5	1600	*4,500	*10.50				

Minimum discharge, 60 ft³/s, Sept. 22, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	84	118	150	164	1220	535	247	182	148	105	177	120	
2	84	122	268	377	1640	499	233	1040	136	89	143	113	
3	85	157	1270	492	954	423	225	634	125	81	136	109	
4	84	147	440	444	598	381	222	331	118	76	119	107	
5	84	138	1210	362	2550	377	230	247	110	86	105	102	
6	83	126	1180	281	2510	343	587	224	105	149	96	99	
7	83	120	510	245	1190	318	379	210	101	194	103	97	
8	85	118	317	226	775	308	289	384	104	137	131	95	
9	112	118	249	214	585	301	259	1170	95	111	146	93	
10	112	130	221	205	486	294	245	611	94	97	168	87	
11	109	232	203	208	495	282	238	678	102	88	153	85	
12	99	170	188	203	556	280	232	444	103	103	120	87	
13	92	137	178	199	427	268	230	316	101	88	105	83	
14	87	126	173	197	375	266	234	263	97	79	97	81	
15	102	121	168	194	348	258	551	234	104	84	113	77	
16	126	121	164	189	325	254	499	215	139	90	114	74	
17	111	119	162	286	311	262	347	204	122	231	360	72	
18	104	116	160	311	297	249	285	200	120	149	254	70	
19	101	121	158	246	290	240	256	194	144	108	156	67	
20	100	122	156	226	289	239	241	188	134	91	129	65	
21	105	118	156	191	272	287	230	188	116	80	118	62	
22	218	114	170	194	262	352	220	192	105	75	110	61	
23	328	110	177	207	257	325	210	186	99	81	104	75	
24	186	111	166	208	266	318	222	178	95	148	103	125	
25	145	112	161	208	653	304	273	170	93	207	206	101	
26	127	111	158	200	1870	267	242	166	86	121	177	85	
27	119	123	156	191	927	255	213	159	79	131	156	79	
28	127	466	155	197	638	256	205	152	80	296	139	75	
29	147	252	155	199	---	251	198	157	98	255	125	73	
30	136	168	155	205	---	245	190	170	113	758	120	72	
31	123	---	156	727	---	248	---	159	---	402	141	---	
TOTAL	3688	4364	9290	7996	21366	9485	8232	9846	3266	4790	4424	2591	
MEAN	119	145	300	258	763	306	274	318	109	155	143	86.4	
MAX	328	466	1270	727	2550	535	587	1170	148	758	360	125	
MIN	83	110	150	164	257	239	190	152	79	75	96	61	
CFSM	.45	.55	1.14	.98	2.90	1.16	1.04	1.21	.41	.59	.54	.33	
IN.	.52	.62	1.31	1.13	3.02	1.34	1.16	1.39	.46	.68	.63	.37	
CAL YR 1984	TOTAL	159252		MEAN	435	MAX	6260	MIN	81	CFSM	1.65	IN.	22.53
WTR YR 1985	TOTAL	89338		MEAN	245	MAX	2550	MIN	61	CFSM	.93	IN.	12.64

MOBILE RIVER BASIN

75

02410000 PATERSON CREEK NEAR CENTRAL, AL

LOCATION.--Lat 32°40'54", long 86°07'40", on line between secs. 25 and 36, T. 20 N., R. 19 E., Elmore County, Hydrologic Unit 03150107, on right bank 40 ft upstream from bridge on county road, 2 mi west of Central, and 11 mi northeast of Wetumpka.

DRAINAGE AREA.--4.91 mi².

PERIOD OF RECORD.--October 1953 to current year. Prior to October 1962, published as Sofkahatchee Creek near Wetumpka.

REVISED RECORDS.--WSP 1554: 1947(M). WSP 2106: 1961(M), 1961(P), 1964(M). WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 440 ft, by barometer.

REMARKS.--No estimated daily discharges. Records fair. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--32 years, 7.10 ft³/s, 19.64 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,310 ft³/s, Aug. 2, 1969, gage height, 10.10 ft; minimum daily, 0.02 ft³/s, Sept. 25, Oct. 3-5, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 5	2045	*246	*2.83				

Minimum discharge, 0.40 ft³/s, Sept. 19, 20, 21, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	.92	1.7	2.3	19	14	5.1	3.0	1.9	.99	1.1	.83
2	1.1	.96	7.8	7.1	30	11	5.0	7.8	1.8	.96	.99	1.3
3	1.1	1.2	7.1	8.6	16	8.7	4.7	5.3	1.7	1.1	.93	1.2
4	1.1	1.1	6.2	5.3	9.8	7.4	4.4	3.8	1.6	1.7	.80	.93
5	1.1	.92	52	4.4	140	7.1	8.6	3.3	1.5	1.2	.71	.84
6	1.1	.85	26	4.0	74	5.8	8.6	3.1	1.4	3.0	.72	.83
7	.97	.83	15	3.6	28	5.4	6.1	3.0	1.4	1.5	.97	.81
8	3.0	.76	9.6	3.4	19	5.1	5.3	4.1	1.7	1.2	.95	.78
9	2.4	.75	6.9	3.3	15	4.9	4.9	4.0	2.0	1.1	1.0	.79
10	.95	1.6	5.6	3.5	12	4.6	4.6	3.5	2.0	1.0	1.6	.67
11	.91	2.3	4.6	3.3	15	4.4	4.5	3.4	1.9	.91	1.1	.59
12	.93	1.9	4.1	3.0	14	4.3	4.4	3.0	2.1	.87	.79	.54
13	.89	1.8	3.7	3.0	12	4.3	4.3	2.7	1.7	.81	.69	.61
14	.92	1.8	3.3	3.0	11	4.0	4.7	2.5	1.5	.78	.65	.54
15	1.3	1.7	3.0	2.8	9.5	3.8	12	2.4	2.3	.81	.97	.47
16	1.2	2.0	2.8	2.9	8.5	4.2	8.7	2.3	2.1	.85	1.1	.50
17	1.1	2.1	2.7	26	7.6	4.2	6.6	2.3	1.8	.93	1.1	.46
18	.98	2.4	2.6	15	6.8	3.8	5.5	2.4	2.1	.75	.81	.43
19	.98	6.0	2.5	9.1	6.7	4.0	4.9	2.3	2.2	.63	.72	.41
20	.91	3.1	2.5	8.1	5.2	4.0	4.5	2.3	2.0	.55	.65	.41
21	2.9	2.9	2.5	29	3.8	6.3	4.3	2.3	1.6	.52	.59	.42
22	1.4	3.0	2.7	15	3.9	9.7	4.0	2.5	1.4	.56	.52	.42
23	7.6	3.0	2.4	6.2	3.4	5.9	3.8	2.4	1.3	.86	.50	2.1
24	9.2	3.2	2.3	5.6	4.4	8.2	5.2	2.1	1.3	1.1	2.6	1.2
25	1.7	3.2	2.2	5.0	38	7.4	4.0	2.0	1.2	.97	3.5	.77
26	1.2	3.3	2.1	4.4	29	5.6	3.6	2.0	1.1	1.2	1.6	.72
27	1.0	8.1	2.2	4.6	16	5.6	3.4	1.9	1.0	1.6	1.1	.72
28	7.2	12	2.2	5.0	11	5.5	3.3	1.8	1.1	1.8	.98	.71
29	4.4	2.8	2.2	4.1	---	5.5	3.1	3.9	1.4	1.3	.89	.67
30	1.7	2.1	2.2	4.5	---	5.2	2.9	2.4	1.1	3.5	1.0	.74
31	1.1	---	2.2	12	---	5.9	---	2.1	---	1.7	.94	---
TOTAL	63.44	78.59	194.9	217.1	568.6	185.8	155.0	91.9	49.2	36.75	32.57	22.41
MEAN	2.05	2.62	6.29	7.00	20.3	5.99	5.17	2.96	1.64	1.19	1.05	.75
MAX	9.2	12	52	29	140	14	12	7.8	2.3	3.5	3.5	2.1
MIN	.89	.75	1.7	2.3	3.4	3.8	2.9	1.8	1.0	.52	.50	.41
CFSM	.42	.53	1.28	1.43	4.13	1.22	1.05	.60	.33	.24	.21	.15
IN.	.48	.60	1.48	1.64	4.31	1.41	1.17	.70	.37	.28	.25	.17

CAL YR 1984	TOTAL	2867.61	MEAN	7.83	MAX	318	MIN	.75	CFSM	1.59	IN.	21.73
WTR YR 1985	TOTAL	1696.26	MEAN	4.65	MAX	140	MIN	.41	CFSM	.95	IN.	12.85

MOBILE RIVER BASIN

MOBILE RIVER MAIN STREAM

02411000 COOSA RIVER AT JORDAN DAM, NEAR WETUMPKA, AL

LOCATION.--Lat 32°36'50", long 86°15'18", in S4 sec. 22, T. 19 N., R. 18 E., Elmore County, Hydrologic Unit 03150107, on right bank 0.5 mi downstream from Jordan Dam, 4 mi upstream from Corn Creek, 5.5 mi northwest of Wetumpka, and at mile 18.6.

DRAINAGE AREA.--10,102 mi².

PERIOD OF RECORD.--July 1912 to September 1914, December 1925 to current year. Prior to October 1936 published as "at Lock 18, near Wetumpka."

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Nonrecording gage since April 1975. Datum of gage is 141.6 ft above National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.). February 1926 to March 1975, water-stage recorder. July 1912 to September 1914, nonrecording gage at site 0.2 mi upstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Prior to June 30, 1967, and Feb. 10, 1975, to current year, daily discharge above 100 ft³/s, computed on basis of powerplant records and flow over spillway at Jordan Dam; July 1, 1967, to Feb. 9, 1975, on the combined flow through turbines at Jordan and Bouldin Dams (on diversion channel from Jordan Lake about 1 mi upstream from Jordan Dam) and flow over spillway at Jordan Dam. Flow regulated by several upstream reservoirs and hydroelectric plants.

COOPERATION.--Records collected by Alabama Power Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--61 years (water years 1913-14, 1927-85), 16,620 ft³/s, 22.34 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 316,000 ft³/s, Apr. 13, 1979, gage height, 47.67 ft, computed on basis of powerplant records and flow over spillway; minimum daily, 54 ft³/s, Oct. 15, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 73,500 ft³/s, Feb. 6, computed on basis of powerplant records and flow over spillway; minimum daily, 503 ft³/s, May 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4690	10100	5070	553	30600	26500	6560	7420	831	6730	15900	553
2	5270	10100	11900	12800	46700	17900	8470	11100	583	6900	14800	3030
3	4220	943	22500	17100	46300	15400	8240	10000	8260	8020	7180	10800
4	2090	2720	24900	16200	44200	19700	7110	573	7330	1790	563	10400
5	1900	8190	23500	13400	72700	17000	8600	593	8140	7520	7010	6120
6	561	9210	27600	8220	73500	14800	623	9230	6430	14800	7780	4780
7	553	9000	22500	17500	56400	15700	4830	7310	5310	5840	9360	658
8	7950	9330	21500	15800	45300	15100	7720	13900	4390	6800	9150	563
9	8360	8940	21100	14800	40600	563	10300	21100	553	6500	9150	6490
10	9840	553	19100	9280	42500	563	12300	20800	7590	8850	3020	6120
11	11700	1050	14900	9940	37000	11000	10500	16700	3670	8380	563	6290
12	9330	9580	14600	8770	35200	11400	10900	17900	3280	7630	9180	5580
13	8960	9300	17600	2110	32500	17900	2790	25700	3470	571	8620	2720
14	553	8940	14100	9240	29900	10600	1340	22400	5220	561	7810	553
15	8720	8470	5370	6900	23900	9530	13800	20000	561	5420	7470	620
16	10600	7790	1640	10400	18100	543	16400	17400	963	6100	7300	5700
17	9330	2970	9390	11000	12500	563	16000	8100	7370	10500	563	5100
18	8770	573	11700	6250	14100	9200	12800	503	6720	6690	8320	5100
19	7050	7860	10200	881	15700	8600	13300	591	5500	6260	12900	4490
20	583	10300	9940	7870	16700	10400	543	6860	5900	1810	9070	4630
21	4900	10300	10300	21800	17200	9040	573	11300	5880	553	7190	563
22	18500	3660	5130	13300	12000	16700	13800	7640	581	6140	7690	563
23	13100	6620	573	10900	9070	8730	10700	5560	873	6180	4570	5470
24	9410	5610	10300	9110	2040	6560	2570	4750	6280	18800	1410	4140
25	10100	2580	1520	3300	27600	17600	4720	553	5750	29200	3330	4650
26	9340	8360	10700	1570	36700	10400	6630	553	5910	17200	14500	5660
27	2150	11800	8570	563	38300	11400	583	4940	5180	17700	14800	4590
28	1440	17200	9630	1190	26900	17300	583	5580	5720	33500	12900	561
29	13500	17100	5630	6940	---	12700	9720	6490	573	37500	12800	553
30	13700	9950	563	5710	---	953	5990	6840	563	37200	13200	6040
31	9770	---	6040	16100	---	553	---	6100	---	26800	563	---
TOTAL	226940	229099	378066	289497	904210	344898	228995	298486	129381	358445	248662	123087
MEAN	7321	7637	12200	9339	32290	11130	7633	9629	4313	11560	8021	4103
MAX	18500	17200	27600	21800	73500	26500	16400	25700	8260	37500	15900	10800
MIN	553	553	563	553	2040	543	543	503	553	553	563	553

CAL YR 1984 TOTAL 6489682 MEAN 17730 MAX 74200 MIN 531 MEAN +17410 CFM +1.72 IN. +23.39
WTR YR 1985 TOTAL 3759766 MEAN 10300 MAX 73500 MIN 503 MEAN +10280 CFM +1.02 IN. +13.81

† Adjusted for change in contents in Allatoona Reservoir, Weiss Lake, H. Neely Henry Reservoir, Logan Martin Reservoir, and combined Lay, Mitchell, and Jordan Lakes.

MOBILE RIVER BASIN

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MOBILE RIVER MAIN STEM

02411600 (NWS 01-8859-5) COOSA RIVER AT WETUMPKA, AL

LOCATION.--Lat 32°32'13", long 86°12'32", in sec. 13, T. 18 N., R. 18 E., Elmore County, Hydrologic Unit 03150107, on downstream side of bridge on State Highway 14, in Wetumpka, and at mile 11.45.

DRAINAGE AREA.--10,148 mi².

PERIOD OF RECORD.--1893 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. 1900 to December 1971 in reports of National Weather Service.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is 113.72 ft above National Geodetic Vertical Datum of 1929.

COOPERATION.--Records provided by National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 57.9 ft, Apr. 8, 1938; minimum gage height 2.5 ft, Aug. 4, 1925.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 1, 1886, reached a stage of 61.7 ft, from floodmarks.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 31.04 ft, Feb. 6; minimum gage height, 10.50 ft, May 26.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11.35	---	11.31	11.98	15.69	15.10	11.47	11.82	11.45	13.82	11.66
2	---	11.72	---	11.06	21.08	15.95	11.36	11.79	10.79	11.75	12.11	11.27
3	---	12.12	13.89	13.61	22.31	14.75	11.99	12.52	11.04	11.60	12.13	11.02
4	---	11.59	14.79	13.02	21.86	12.90	12.18	12.15	11.42	11.26	12.21	11.30
5	11.51	11.80	14.16	12.65	22.01	12.49	12.24	11.03	11.64	11.30	11.96	12.04
6	11.43	12.37	18.31	11.85	31.04	12.74	12.25	10.99	13.20	11.64	12.11	12.43
7	11.29	12.17	16.20	12.35	30.56	12.33	11.50	11.21	12.16	12.57	12.39	12.11
8	10.97	12.45	---	12.35	27.13	12.22	11.81	12.37	12.30	11.44	12.34	11.17
9	12.26	12.52	15.50	11.98	---	12.68	12.65	12.19	11.53	12.00	12.41	11.13
10	12.53	12.57	14.28	11.96	23.43	11.55	12.53	14.14	11.44	12.00	12.67	11.47
11	12.17	11.99	---	12.29	21.48	11.55	12.16	13.72	11.61	12.44	12.32	11.93
12	12.50	11.98	12.42	12.27	19.80	12.44	12.43	12.17	11.83	12.32	11.96	12.44
13	12.42	12.60	11.66	12.79	19.47	12.69	12.65	12.95	11.81	12.41	12.35	12.35
14	11.79	12.77	11.95	12.48	19.10	12.15	11.91	13.24	11.89	11.51	12.55	12.14
15	11.61	12.67	12.38	12.48	17.62	12.48	12.05	13.27	11.67	11.52	12.66	11.33
16	12.39	12.52	12.26	12.71	15.02	12.21	12.51	12.91	11.16	11.58	12.34	11.10
17	11.82	12.18	11.86	11.61	13.32	12.21	11.74	12.10	11.25	11.67	12.38	11.34
18	12.24	12.00	11.86	12.56	13.04	12.21	---	11.81	12.18	12.49	11.59	11.63
19	12.35	11.65	12.20	11.78	13.08	12.21	12.20	11.47	12.26	12.49	12.17	11.80
20	11.88	11.83	11.99	11.99	12.56	12.53	---	11.47	12.27	12.21	12.74	11.71
21	11.35	13.40	12.10	12.02	12.63	11.39	---	11.35	12.32	11.93	12.37	11.36
22	13.37	12.97	12.75	12.65	12.22	11.95	12.11	12.07	12.07	11.57	11.91	10.81
23	12.34	12.26	11.71	12.28	11.95	11.74	12.57	11.79	11.58	12.40	12.42	11.32
24	11.76	12.02	11.13	13.41	12.05	12.48	12.22	11.49	11.50	12.58	11.81	11.21
25	12.41	11.91	11.93	12.64	12.52	12.05	11.99	11.37	11.98	16.51	11.82	11.37
26	12.20	12.22	11.20	12.09	19.72	12.02	---	10.50	11.90	14.82	12.39	11.79
27	12.05	12.45	11.75	11.60	22.17	12.27	12.00	10.63	12.18	12.90	12.40	11.97
28	11.35	13.10	12.42	11.60	20.35	12.18	---	11.17	12.15	18.09	11.76	12.05
29	11.45	11.91	12.48	11.13	---	15.15	---	11.25	12.23	17.76	11.76	11.22
30	11.84	11.15	11.48	11.44	---	15.15	11.31	11.62	11.53	19.89	12.38	10.84
31	11.89	---	10.82	12.11	---	15.15	---	11.90	---	19.74	11.98	---
MEAN	---	12.21	---	12.20	---	12.82	---	11.94	11.82	13.09	12.26	11.58
MAX	---	13.40	---	13.61	---	15.95	---	14.14	13.20	19.89	13.82	12.44
MIN	---	11.15	---	11.06	---	11.39	---	10.50	10.79	11.26	11.59	10.81

MOBILE RIVER BASIN

02412000 TALLAPOOSA RIVER NEAR HEFLIN, AL

LOCATION.--Lat 33°37'22", long 85°31'20", in NW¼ sec. 20, T. 16 S., R. 11 E., Cleburne County, Hydrologic Unit 03150108, on right bank 5 ft downstream from county road bridge, 2.2 mi upstream from Cane Creek, 4 mi south-east of Heflin, and at mile 186.8.

DRAINAGE AREA.--448 mi².

PERIOD OF RECORD.--July 1952 to current year.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 830 ft, by barometer.

REMARKS.--Estimated daily discharges: June 30 to July 23. Records good except for period of estimated record, which are poor. Slight diurnal fluctuation caused by small mills above station. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--33 years, 715 ft³/s, 21.67 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,500 ft³/s, Mar. 31, 1977, gage height, 31.34 ft; minimum daily, 13 ft³/s, Oct. 9, 10, 13, 14, 20-22, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 1	2200	*4,810	*13.51	Sept. 13	0900	4,190	12.27
Feb. 6	1100	4,280	12.46				

Minimum discharge, 146 ft³/s, Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	177	196	316	282	4050	900	544	373	309	700	535	475
2	173	195	532	637	4490	825	512	1650	281	420	496	342
3	168	209	1590	1210	2910	776	479	2580	259	310	815	282
4	164	240	995	1820	1550	715	467	1570	238	240	505	263
5	160	247	1120	1300	2140	680	469	902	223	210	370	251
6	155	213	1720	845	3950	636	922	676	210	400	314	236
7	151	192	1070	651	2360	595	1030	572	201	1100	289	254
8	148	184	675	555	1340	573	850	656	547	800	354	282
9	154	180	538	491	1010	562	582	1090	1620	520	427	260
10	161	190	472	452	872	556	538	887	618	350	328	232
11	157	323	427	436	818	540	508	1200	389	270	303	213
12	162	309	390	411	931	530	490	1130	356	240	268	202
13	167	276	366	385	888	512	480	811	340	230	245	2630
14	162	236	343	368	773	507	478	1500	292	220	227	793
15	160	213	328	359	714	494	683	804	268	370	214	291
16	163	210	317	345	664	477	898	577	382	580	215	236
17	173	218	310	409	627	473	771	519	474	980	1080	207
18	181	205	306	499	597	465	613	431	448	530	939	186
19	179	229	301	471	583	449	541	394	336	300	584	172
20	171	238	298	411	594	441	502	368	316	250	388	169
21	194	220	294	385	596	458	477	354	293	220	315	162
22	338	208	314	379	565	1110	449	342	260	260	296	154
23	325	199	352	375	540	1200	427	344	237	350	254	151
24	265	196	327	379	538	873	421	341	224	747	239	169
25	229	193	314	352	879	747	445	327	213	807	392	180
26	206	191	301	329	2440	632	439	308	200	483	597	168
27	194	192	289	316	1770	573	422	293	188	456	535	160
28	201	451	280	318	1120	554	396	279	466	1200	366	154
29	235	604	279	344	---	544	402	328	956	1090	312	151
30	227	421	279	388	---	527	395	444	550	845	304	149
31	203	---	275	1110	---	527	---	341	---	852	613	---
TOTAL	5903	7378	15718	17012	40309	19451	16630	22391	11694	16330	13119	9574
MEAN	190	246	507	549	1440	627	554	722	390	527	423	319
MAX	338	604	1720	1820	4490	1200	1030	2580	1620	1200	1080	2630
MIN	148	180	275	282	538	441	395	279	188	210	214	149
CFSM	.42	.55	1.13	1.23	3.21	1.40	1.24	1.61	.87	1.18	.94	.71
IN.	.49	.61	1.31	1.41	3.35	1.62	1.38	1.86	.97	1.36	1.09	.79

CAL YR 1984	TOTAL	298556	MEAN	816	MAX	9010	MIN	148	CFSM	1.82	IN.	24.79
WTR YR 1985	TOTAL	195509	MEAN	536	MAX	4490	MIN	148	CFSM	1.20	IN.	16.23

MOBILE RIVER BASIN

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02413300 LITTLE TALLAPOOSA RIVER NEAR NEWELL, AL

LOCATION.--Lat 33°26'14", long 85°23'57", in SW¼ sec. 21, T. 18 S., R. 12 E., Randolph County, Hydrologic Unit 03150108, near right bank on downstream side of bridge on County Highway 82, 1.0 mi upstream from Cut Nose Creek, and 2.0 mi east of Newell.

DRAINAGE AREA.--406 mi².

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

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 813.96 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Low flow is affected by regulation from gristmill located 3.2 mi upstream. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--10 years, 644 ft³/s, 21.54 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,100 ft³/s, Mar. 16, 1976, gage height, 18.18 ft; minimum, 37 ft³/s, Oct. 6, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of February 1975 reached a stage of 19.3 ft from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 5	2100	*4,150	*9.97				

Minimum discharge, 114 ft³/s, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	154	179	355	236	1220	771	442	281	267	233	465	300
2	154	174	433	352	2170	684	419	2050	250	200	452	237
3	156	175	1160	975	1990	632	391	2830	235	175	432	205
4	152	191	1000	1320	1690	580	377	2770	223	158	289	187
5	150	212	935	975	2900	541	378	2280	210	154	233	171
6	146	199	1180	707	3350	517	574	1320	199	227	206	178
7	143	182	921	557	2710	473	643	709	191	405	216	190
8	141	170	633	477	2190	451	525	571	201	366	219	224
9	149	167	497	429	1420	438	448	712	243	263	229	201
10	153	182	417	395	919	430	402	795	249	213	207	167
11	153	272	370	387	774	420	381	967	223	183	179	149
12	152	320	341	368	827	407	370	880	218	165	166	137
13	145	254	317	350	776	391	375	705	217	158	162	421
14	136	218	302	340	668	383	367	567	207	158	154	495
15	130	201	290	330	597	378	563	473	193	190	145	460
16	133	195	276	322	548	365	884	411	214	246	138	316
17	155	194	267	399	508	362	700	367	225	346	265	218
18	170	191	263	503	481	355	545	343	228	303	523	179
19	164	193	257	451	462	344	462	321	211	254	475	155
20	151	201	254	393	463	338	417	305	202	187	273	143
21	158	200	250	328	453	363	385	296	193	157	264	133
22	245	194	273	342	430	880	361	290	177	184	235	126
23	274	188	304	354	416	1050	340	287	165	203	211	123
24	227	187	288	344	412	835	327	286	157	193	206	134
25	202	186	274	322	637	670	329	280	163	208	216	140
26	184	185	262	315	1460	571	366	265	153	235	259	139
27	172	185	251	302	1390	494	348	256	140	227	297	131
28	169	396	243	305	1000	467	327	247	173	466	226	133
29	175	550	239	315	---	456	306	279	198	930	190	128
30	191	413	237	346	---	443	293	296	220	1010	196	118
31	189	---	236	635	---	435	---	295	---	660	278	---
TOTAL	5173	6754	13325	14174	32861	15924	13045	22734	6145	9057	8006	6038
MEAN	167	225	430	457	1174	514	435	733	205	292	258	201
MAX	274	550	1180	1320	3350	1050	884	2830	267	1010	523	495
MIN	130	167	236	236	412	338	293	247	140	154	138	118
CFSM	.41	.55	1.06	1.13	2.89	1.27	1.07	1.81	.50	.72	.64	.50
IN.	.47	.62	1.22	1.30	3.01	1.46	1.20	2.08	.56	.83	.73	.55

CAL YR 1984	TOTAL	247453	MEAN	676	MAX	4830	MIN	121	CFSM	1.67	IN.	22.67
WTR YR 1985	TOTAL	153236	MEAN	420	MAX	3350	MIN	118	CFSM	1.03	IN.	14.04

MOBILE RIVER BASIN

02414500 TALLAPOOSA RIVER AT WADLEY, AL

LOCATION.--Lat 33°07'00", long 85°33'39", in SW¼ sec. 12, T. 22 S., R. 10 E., Randolph County, Hydrologic Unit 03150109, on left bank 50 ft upstream from bridge on State Highway 22, 1 mi downstream from Beaver Dam Creek, and at mile 125.3.

DRAINAGE AREA.--1,675 mi².

PERIOD OF RECORD.--September 1923 to current year.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 599.87 ft above National Geodetic Vertical Datum of 1929. June 17, 1959, to Sept. 30, 1970, nonrecording gage at same site and datum. Prior to June 17, 1959, at site 0.2 mi upstream at datum 1.46 ft higher.

REMARKS.--Estimated daily discharges: Oct. 12-19, Jan. 14-23, Apr. 29 to May 2, and June 7-17. Records fair except for periods of estimated record, which are poor. Flow regulated by Harris Reservoir (station 02412950) and other hydroelectric plants above station. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--62 years, 2,595 ft³/s, 21.04 in./yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 89,100 ft³/s, Apr. 14, 1979, gage height, 30.57 ft, present site and datum; minimum daily discharge, 45 ft³/s, Oct. 2-4, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 5	1500	*17,100	*11.55				

Minimum discharge, 73 ft³/s, Sept. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	346	402	644	359	5850	4720	722	170	401	2150	2450	138
2	304	368	391	3220	10300	733	258	11000	235	2450	3020	123
3	309	310	2710	3520	9230	321	1210	8910	1650	3030	880	3620
4	289	363	8330	5980	5840	2080	769	6530	1950	496	197	4700
5	373	347	5130	5130	9950	2760	1880	2610	2170	1930	1050	4830
6	299	401	3920	915	14700	3270	790	3660	1820	1830	1730	4170
7	287	374	4020	3290	10200	4220	318	4310	800	1650	504	1670
8	2430	315	2310	3500	6970	1740	254	2980	340	1360	832	295
9	834	319	542	2100	4770	597	1180	4200	220	1760	3040	2600
10	312	296	1900	1350	2170	210	1990	4080	1500	2080	561	3190
11	242	393	1980	965	2830	1140	1470	1140	700	2730	126	3210
12	790	397	1780	2520	3670	1630	375	2200	420	1040	2960	2280
13	300	599	1420	436	3890	3480	203	4710	310	219	3480	1920
14	400	1240	1360	2400	2170	688	197	4730	250	181	2310	491
15	320	1590	359	1400	1440	1130	478	5050	200	529	2850	99
16	460	2120	190	920	2080	614	1270	2380	1000	249	2370	1390
17	350	1690	621	660	525	323	933	606	1200	2810	403	1600
18	1900	573	3850	500	1970	350	281	375	1520	2410	213	1050
19	2600	1340	1670	400	2520	2610	1180	341	1480	1510	2670	1160
20	672	1980	907	1400	2330	1670	415	215	1230	1250	2900	1590
21	542	5090	869	8000	2280	1690	200	878	938	486	2070	286
22	2060	482	520	4800	2150	7540	2100	1740	280	269	3930	125
23	218	1710	202	2400	1020	5490	1600	1950	316	1720	2230	2850
24	326	593	488	1040	1030	1090	241	578	529	2370	312	740
25	1070	316	766	260	4960	4980	177	165	1470	2130	334	793
26	530	1230	1740	144	7380	3080	168	158	651	1750	290	1030
27	338	485	1890	230	5630	3070	158	855	506	1030	199	116
28	427	2090	2090	185	5200	5160	153	1480	1270	2890	152	345
29	4170	2740	459	339	---	2520	500	1300	325	3520	1400	139
30	2070	1600	402	140	---	575	230	2200	1090	4070	1750	130
31	471	---	480	460	---	791	---	2290	---	3070	308	---
TOTAL	26039	31753	53940	58963	133055	70272	21700	83791	26771	54969	47521	46680
MEAN	840	1058	1740	1902	4752	2267	723	2703	892	1773	1533	1556
MAX	4170	5090	8330	8000	14700	7540	2100	11000	2170	4070	3930	4830
MIN	218	296	190	140	525	210	153	158	200	181	126	99

CAL YR 1984	TOTAL	1022230	MEAN	2793	MAX	20900	MIN	151	MEAN	†2775	CFSM	†1.66	IN.	†22.49
WTR YR 1985	TOTAL	655454	MEAN	1796	MAX	14700	MIN	99	MEAN	†1800	CFSM	†1.07	IN.	†14.59

† Adjusted for change in contents in Harris Reservoir.

MOBILE RIVER BASIN

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02414500 TALLAPOOSA RIVER AT WADLEY, AL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.55	2.68	2.97	2.55	6.11	5.76	3.01	---	2.61	3.90	4.10	2.14
2	2.50	2.63	2.71	4.73	8.49	3.08	2.46	---	2.36	4.15	4.61	2.06
3	2.50	2.55	4.41	5.16	7.97	2.64	3.61	7.84	3.59	4.58	3.15	4.23
4	2.48	2.63	7.43	6.34	6.33	4.05	3.07	6.45	3.86	2.61	2.27	5.24
5	2.61	2.61	5.99	5.93	8.20	4.59	3.85	4.30	3.92	3.52	2.85	5.34
6	2.50	2.67	5.35	3.12	10.55	4.89	3.21	5.10	3.76	3.63	3.71	5.02
7	2.47	2.65	5.29	4.64	8.45	5.48	2.63	5.32	---	3.69	2.63	3.65
8	4.08	2.55	4.35	5.04	6.94	3.96	2.51	4.71	---	3.39	2.95	2.39
9	3.10	2.57	2.82	4.20	5.83	2.89	3.38	5.47	---	3.67	4.57	3.64
10	2.51	2.53	3.84	3.61	4.23	2.41	4.06	5.36	---	3.85	2.69	4.35
11	2.39	2.69	4.10	3.20	4.57	3.24	3.63	3.51	---	4.20	2.06	4.36
12	---	2.69	3.93	4.38	5.11	3.81	2.69	4.08	---	3.10	3.94	3.96
13	---	2.87	3.72	2.67	5.31	4.97	2.39	5.44	---	2.27	4.58	3.79
14	---	3.52	3.65	---	4.22	2.98	2.38	5.45	---	2.14	4.03	2.61
15	---	3.81	2.57	---	3.62	3.46	2.89	5.65	---	2.64	4.42	1.95
16	---	4.18	2.33	---	4.22	2.98	3.54	4.21	---	2.39	4.16	3.03
17	---	3.87	2.75	---	2.85	2.59	3.34	2.86	---	3.97	2.61	3.52
18	---	2.87	5.14	---	3.93	2.56	2.56	2.66	3.50	4.18	2.32	3.18
19	---	3.56	3.65	---	4.50	4.63	3.21	2.61	3.45	3.47	3.79	3.16
20	2.97	4.06	3.08	---	4.34	3.89	2.70	2.38	3.26	3.25	4.54	3.47
21	2.87	5.82	3.04	---	4.33	3.98	2.39	2.93	3.01	2.64	3.66	2.36
22	4.07	2.78	2.73	---	4.24	6.76	3.88	3.67	2.37	2.38	4.79	1.98
23	2.36	3.83	2.36	---	3.22	6.09	3.68	3.83	2.46	3.44	4.05	4.23
24	2.56	2.88	2.58	3.21	3.24	3.35	2.46	2.80	2.59	4.15	2.41	2.89
25	3.28	2.59	2.91	2.47	5.76	5.69	2.33	2.26	3.48	4.04	2.56	2.95
26	2.74	3.46	3.78	2.23	7.19	4.81	2.31	2.24	2.80	3.76	2.50	3.32
27	2.59	2.79	4.01	2.40	6.24	4.82	2.28	2.89	2.66	3.09	2.30	2.04
28	2.71	4.11	4.18	2.33	6.00	5.93	2.26	3.46	3.24	4.68	2.18	2.46
29	5.01	4.59	2.65	2.55	---	4.43	---	3.36	2.46	5.00	3.18	2.12
30	4.04	3.80	2.57	2.21	---	2.89	---	3.96	2.98	5.35	3.67	2.10
31	2.69	---	2.68	2.85	---	3.05	---	4.14	---	4.68	2.43	---
MEAN	---	3.23	3.66	---	5.57	4.09	---	---	---	3.61	3.35	3.25
MAX	---	5.82	7.43	---	10.55	6.76	---	---	---	5.35	4.79	5.34
MIN	---	2.53	2.33	---	2.85	2.41	---	---	---	2.14	2.06	1.95

MOBILE RIVER BASIN

02418500 TALLAPOOSA RIVER BELOW TALLASSEE, AL

LOCATION.--Lat 32°30'45", long 85°53'21", in E½ sec. 30, T. 18 N., R. 22 E., Tallapoosa County, Hydrologic Unit 03150110, on left bank, 1.5 mi downstream from Benjamin Fitzpatrick Highway bridge and Thurlow Dam at Tallassee, 3.5 mi upstream from Uphapee Creek, and at mile 48.1.

DRAINAGE AREA.--3,328 mi².

PERIOD OF RECORD.--July 1928 to current year.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Nonrecording gage since April 1975. Datum of gage is 164.01 ft above National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.). July 1928 to March 1975 water-stage recorder.

REMARKS.--No estimated daily discharges. Records fair. Daily discharge computed on basis of powerplant records, flow over spillway, and measured leakage. Flow regulated by Harris Reservoir (station 02413950), Lake Martin (station 02417500) and other hydroelectric plants above station.

COOPERATION.--Records collected by Alabama Power Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--57 years, 4,863 ft³/s, 19.84 in/yr (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s, Feb. 25, 1961, gage height, 50.4 ft, computed on basis of powerplant records and flow over spillway, maximum gage height, 51.35 ft, Mar. 15, 1929; minimum daily discharge, 10 ft³/s, June 3, 1930, May 17, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 10,400 ft³/s, Feb. 6, computed on basis of powerplant records and flow over spillway; minimum daily, 70 ft³/s, for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4350	3480	7650	670	6010	5530	630	70	2100	70	4200	70
2	2940	3830	8190	6170	6320	6000	400	1930	70	70	4220	1300
3	1440	1350	6480	5900	6170	2090	450	680	3170	70	3330	4230
4	3330	70	4820	5950	6730	4820	70	70	3440	1130	370	4510
5	4010	3950	5600	3610	9900	6180	360	70	3540	1090	3570	4620
6	70	5790	9210	70	10400	5230	70	1660	3580	5350	3190	4000
7	70	3260	9400	6320	10300	5280	70	2450	2040	1760	2840	2110
8	2750	3170	9400	5290	9540	5060	1280	6200	1220	1430	3130	70
9	1020	4280	9400	4750	9400	1070	70	7960	660	2150	4730	3950
10	710	3070	8580	4110	9400	70	630	5830	2440	3050	2060	3680
11	630	4220	8000	3220	9080	2130	460	2060	2590	2710	70	4280
12	70	4470	8000	3810	9400	4780	560	70	1910	4330	3920	4450
13	70	4670	5660	450	9400	3010	70	5180	70	2230	4330	1280
14	70	5880	5450	3500	9400	600	370	6790	1660	70	4670	1920
15	3330	4630	2460	3330	9400	2100	1750	7930	2040	2730	4060	70
16	120	5900	520	3260	9320	70	800	4950	70	2520	3390	3280
17	70	3530	5730	2870	9400	70	120	1200	1240	1960	1030	1700
18	1870	70	5670	2770	7860	1230	70	70	70	2900	570	1980
19	1580	4660	6100	590	5330	1930	70	70	70	1960	4780	1900
20	70	5870	3000	2810	5780	2260	70	2040	70	1680	4350	1870
21	70	5820	5650	5810	5760	660	70	1910	1070	770	4110	1060
22	3670	1630	1910	4740	3580	650	3380	70	1120	3560	4340	70
23	1000	3600	70	3990	70	800	1450	2080	70	3060	4060	3880
24	2500	2010	400	4530	1030	70	1680	2010	2150	1850	2960	3670
25	2000	1030	70	2050	6000	970	70	1420	70	4070	70	1120
26	1740	4520	910	650	7110	800	950	70	1310	3960	5000	1670
27	70	4150	5120	710	5810	70	70	1150	70	4000	5170	2040
28	70	4450	5670	1350	4720	3300	70	1400	1050	3470	5330	70
29	3980	4830	1260	3880	---	2010	2780	1310	1060	6210	5670	70
30	3350	7950	70	3340	---	710	70	2890	70	9290	6170	1870
31	3240	---	2380	3950	---	70	---	2280	---	5150	4360	---
TOTAL	50260	116140	152830	104450	202620	69620	18960	73870	40090	84650	110050	66790
MEAN	1621	3871	4930	3369	7236	2246	632	2383	1336	2731	3550	2226
MAX	4350	7950	9400	6320	10400	6180	3380	7960	3580	9290	6170	4620
MIN	70	70	70	70	70	70	70	70	70	70	70	70

CAL YR 1984 TOTAL 1959250 MEAN 5353 MAX 47900 MIN 70 MEAN +4876 CFSM +1.47 IN. +19.89
WTR YR 1985 TOTAL 1090330 MEAN 2987 MAX 10400 MIN 70 MEAN +3029 CFSM +0.91 IN. +12.36

† Adjusted for change in contents in Harris Reservoir and Lake Martin.

MOBILE RIVER BASIN

83

02419000 UPHAPEE CREEK NEAR TUSKEGEE, AL

LOCATION.--Lat 32°28'36", long 85°41'42", on east line of sec. 12, T. 17 N., R. 23 E., Macon County, Hydrologic Unit 03150110, on left bank at downstream side of bridge on State Highway 81, 1 mi upstream from Red Creek, 1.2 mi upstream from bridge on Western Railway of Alabama, and 4 mi north of Tuskegee.

DRAINAGE AREA.--333 mi².

PERIOD OF RECORD.--October 1939 to September 1970. Flood hydrograph, water years 1971-74. October 1974 to current year.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 223.65 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records fair. Occasional diurnal fluctuation at low flows caused by small plant above station. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--42 years (water years 1940-70, 1975-85), 434 ft³/s, 17.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,200 ft³/s, Apr. 9, 1964, gage height, 28.18 ft; minimum daily discharge, 0.8 ft³/s, Sept. 14, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1929 reached a stage of about 2 ft higher than that of Apr. 9, 1964, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July 29	0300	*3,230	*10.06				

Minimum discharge, 17 ft³/s, Oct. 7, 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	19	26	51	51	123	683	216	77	45	35	686	86	
2	20	27	67	97	238	765	198	139	39	28	462	67	
3	19	30	119	149	309	642	180	164	34	24	576	62	
4	19	30	125	148	222	487	170	151	31	28	358	54	
5	19	31	377	123	640	426	182	119	27	58	265	49	
6	19	30	361	102	2040	378	475	95	24	215	215	47	
7	18	28	234	91	1800	336	555	85	23	299	248	43	
8	17	26	169	83	1210	316	328	127	25	174	298	44	
9	19	26	137	77	502	301	243	445	24	120	273	55	
10	19	33	120	73	383	284	210	835	24	91	280	51	
11	20	42	108	71	366	266	193	599	29	69	222	48	
12	20	43	99	68	394	251	180	395	35	60	210	41	
13	19	37	91	64	339	241	168	244	29	50	165	39	
14	20	33	83	63	290	232	168	177	25	61	137	38	
15	29	32	76	62	259	219	247	140	24	152	126	38	
16	36	32	71	61	237	214	327	114	23	342	124	37	
17	36	31	69	165	221	222	324	94	26	186	122	36	
18	29	31	67	214	208	214	248	82	30	129	111	35	
19	26	39	65	157	201	196	201	72	29	102	100	35	
20	24	34	62	124	198	183	174	66	32	79	88	33	
21	36	34	61	110	190	237	155	64	38	63	78	32	
22	57	32	60	100	179	364	142	68	27	55	70	32	
23	65	31	59	96	172	653	130	63	24	48	64	37	
24	40	31	58	93	186	428	122	58	23	107	57	42	
25	32	29	55	90	878	355	117	51	23	467	58	53	
26	29	28	53	85	2060	287	109	49	24	721	92	41	
27	27	30	53	80	1730	244	103	43	29	920	100	36	
28	28	99	50	84	1120	233	95	39	54	1010	90	34	
29	29	92	49	84	---	220	89	53	57	2560	77	33	
30	30	63	50	82	---	206	82	61	62	1940	85	32	
31	28	---	50	106	---	204	---	53	---	1060	110	---	
TOTAL	848	1110	3149	3053	16695	10287	6131	4822	939	11253	5947	1310	
MEAN	27.4	37.0	102	98.5	596	332	204	156	31.3	363	192	43.7	
MAX	65	99	377	214	2060	765	555	835	62	2560	686	86	
MIN	17	26	49	51	123	183	82	39	23	24	57	32	
CFSM	.08	.11	.31	.30	1.79	1.00	.61	.47	.09	1.09	.58	.13	
IN.	.09	.12	.35	.34	1.87	1.15	.68	.54	.10	1.26	.66	.15	
CAL YR 1984	TOTAL	117178		MEAN	320	MAX	4100	MIN	17	CFSM	.96	IN.	13.09
WTR YR 1985	TOTAL	65544		MEAN	180	MAX	2560	MIN	17	CFSM	.54	IN.	7.32

MOBILE RIVER BASIN

02419890 (NWS 01-8038-N) TALLAPOOSA RIVER NEAR MONTGOMERY, AL

LOCATION.--Lat 32°26'23", long 86°11'44", in SE¼ sec. 19, T. 17 N., R. 19 E., Montgomery County, Hydrologic Unit 03150110, on left bank at the Clarence T. Perry (City of Montgomery) water purification plant, 2.5 mi above U.S. Highway 231 bridge, 4 mi northeast of Montgomery, and approximately 7 mi above mouth.

DRAINAGE AREA.--4,646 mi².

PERIOD OF RECORD.--October 1972 to current year (gage heights only). August 1966 to December 1970 in files of the Geological Survey. May to September 1972 in files of the National Weather Service.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is 129.13 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Flow is regulated by Lake Martin (station 02417500) and hydroelectric plants above station.

COOPERATION.--Records provided by National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 37.9 ft, Apr. 15, 1979; minimum gage height, 0.1 ft, Oct. 17, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 26, 1961, reached a stage of 41.9 ft from floodmarks.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 19.13 ft, Feb. 7; minimum gage height, 0.70 ft, Oct. 22.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.00	3.70	9.10	1.90	13.28	11.75	4.20	2.10	1.90	3.00	7.75	6.70
2	5.95	4.40	9.20	3.20	13.15	12.20	1.92	1.20	1.40	3.10	6.90	2.65
3	5.10	4.12	9.30	10.70	10.10	10.98	2.20	1.50	2.50	2.85	8.25	4.50
4	4.80	2.15	8.90	9.20	9.90	9.05	4.51	1.60	3.20	1.95	4.80	4.55
5	3.10	1.80	10.10	9.30	12.35	9.00	2.50	1.40	4.90	2.26	4.60	4.30
6	5.20	5.85	11.08	6.70	16.50	10.30	3.10	1.35	5.45	2.15	6.60	6.70
7	3.60	6.20	12.20	5.00	19.13	9.20	3.80	1.40	5.80	4.80	4.70	6.20
8	2.12	4.80	12.40	7.85	18.80	9.80	3.00	2.60	3.35	2.55	4.30	6.50
9	1.70	3.10	10.70	7.50	16.60	8.45	5.30	7.30	3.20	2.50	4.98	6.20
10	2.10	3.50	10.50	12.08	13.80	3.75	3.90	7.80	2.65	3.00	5.40	3.00
11	2.00	5.40	9.80	7.80	12.15	3.45	3.05	7.95	5.20	3.20	5.50	4.00
12	2.80	5.80	9.50	7.20	11.30	3.90	3.10	5.60	5.35	3.60	5.30	4.75
13	3.30	6.00	9.35	5.75	12.10	7.55	2.25	3.20	6.20	4.00	7.00	5.80
14	3.35	6.30	8.20	3.00	11.50	4.35	2.20	5.25	2.30	4.50	6.50	5.20
15	2.90	6.95	8.25	5.75	10.70	4.55	2.45	9.15	3.00	2.35	7.30	2.14
16	4.65	6.80	4.70	5.80	11.05	5.30	2.15	9.25	2.85	3.50	6.00	2.10
17	2.65	7.25	3.25	6.25	11.20	5.15	2.35	9.00	5.70	4.00	6.50	1.10
18	1.95	6.75	7.65	5.15	11.35	4.70	4.00	3.25	2.75	3.00	5.50	4.50
19	1.90	2.85	7.75	6.05	11.20	4.40	2.75	3.00	3.40	3.70	2.00	3.10
20	2.15	5.70	7.95	5.22	9.30	4.70	2.90	1.30	1.45	2.50	4.65	4.32
21	2.30	6.75	7.45	6.00	8.90	4.80	2.10	1.40	1.10	2.35	6.70	4.20
22	.70	7.80	7.75	8.40	8.50	5.10	2.00	2.60	1.08	2.75	5.86	4.35
23	2.80	4.85	4.85	8.05	7.80	5.60	6.25	2.25	2.00	2.40	4.83	2.30
24	3.20	5.10	3.60	7.95	6.20	5.80	4.10	2.55	1.32	4.20	6.72	7.00
25	2.70	4.80	3.20	9.50	6.50	4.60	3.40	2.80	1.10	3.70	2.47	4.65
26	2.55	4.05	3.45	5.85	10.20	2.90	2.55	2.35	2.40	4.35	3.20	3.20
27	2.50	5.40	3.95	9.80	15.30	2.80	2.25	2.10	2.20	5.25	7.30	1.00
28	3.20	6.95	6.35	8.75	13.50	3.10	3.20	1.00	2.35	5.70	5.70	2.60
29	1.50	6.80	7.10	10.30	---	5.10	2.90	1.15	2.20	5.20	5.80	3.10
30	3.95	7.00	3.80	10.90	---	5.00	1.55	1.45	2.19	12.05	5.90	1.25
31	5.10	---	3.00	12.30	---	3.40	---	1.35	---	10.80	8.20	---
MEAN	3.03	5.30	7.56	7.39	11.87	6.15	3.06	3.43	3.02	3.91	5.72	4.07
MAX	5.95	7.80	12.40	12.30	19.13	12.20	6.25	9.25	6.20	12.05	8.25	7.00
MIN	.70	1.80	3.00	1.90	6.20	2.80	1.55	1.00	1.08	1.95	2.00	1.00
CAL YR 1984	MEAN	7.52	MAX	28.90	MIN	.70						
WTR YR 1985	MEAN	5.34	MAX	19.13	MIN	.70						

MOBILE RIVER BASIN

85

MOBILE RIVER MAIN STEM

02419988 (NW 01-5550-06) ALABAMA RIVER AT MONTGOMERY, AL

LOCATION.--Lat 32°23'31", long 86°19'04", in SW¼ sec. 1, T. 16 N., R. 18 E., Montgomery County, Hydrologic Unit 03150201, on left bank of river in an abandoned pumping station of the Riverview Manufacturing Co. at 715 Shady St., in Montgomery, 9.3 mi upstream from U.S. Highway 31 bridge.

DRAINAGE AREA.--15,023 mi².

PERIOD OF RECORD.--December 1890 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. 1900 to December 1971 in reports of National Weather Service.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is 103.30 ft above National Geodetic Vertical Datum of 1929. Prior to July 1, 1970, located 0.4 mi downstream on left bank at foot of Commerce Street at same datum.

REMARKS.--Flow affected by operation of reservoirs on Etowah, Coosa, and Tallapoosa Rivers. (See reservoirs in Mobile River basin.) Stage regulated by Jones Bluff lock and dam since January 1972.

COOPERATION.--Records provided by National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 58.1 ft, Feb. 26, 1961, from floodmarks; minimum gage height, -4.0 ft, Sept. 22, 1925.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 33.58 ft, Feb. 7; minimum gage height, 20.10 ft, Sept. 23.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.49	20.98	21.49	20.95	21.79	23.94	20.62	21.27	21.58	---	22.94	21.31
2	20.68	21.38	21.13	20.79	25.83	24.57	21.14	21.58	20.66	---	21.69	21.18
3	21.39	21.75	22.36	22.69	27.03	23.67	20.62	22.13	---	---	21.77	20.61
4	21.66	21.49	22.98	22.43	26.75	23.24	21.91	21.89	---	---	21.66	21.14
5	21.35	21.74	23.34	22.29	26.58	22.28	21.87	20.67	---	---	21.75	21.80
6	20.89	21.90	25.00	21.64	32.14	22.28	22.22	20.60	---	---	21.68	21.83
7	20.98	21.84	23.95	22.13	33.58	21.91	21.12	21.22	---	---	21.96	21.55
8	20.83	22.18	23.86	22.07	31.56	21.96	21.64	22.06	---	---	21.79	20.98
9	21.92	22.24	23.42	21.82	28.96	22.33	22.16	21.88	---	---	21.97	20.93
10	22.22	22.25	23.24	21.64	27.87	21.34	22.03	21.78	---	---	22.19	21.01
11	21.98	21.61	22.91	21.86	27.03	21.45	21.84	22.86	---	---	21.99	21.45
12	23.36	21.66	21.74	21.95	26.18	22.12	22.23	21.94	---	---	21.80	21.99
13	22.14	22.38	21.17	22.43	25.91	22.13	22.39	22.38	---	---	22.04	21.89
14	21.62	22.44	21.66	22.19	25.53	22.39	21.80	22.51	---	---	22.02	21.93
15	21.38	22.36	22.04	22.24	24.81	22.31	21.98	22.30	---	---	22.12	21.20
16	21.93	22.21	21.74	22.42	23.05	22.01	22.40	22.23	---	---	21.73	20.95
17	21.69	21.76	21.54	21.37	22.24	21.09	21.73	22.06	---	---	21.94	21.05
18	21.99	21.50	22.41	22.30	22.49	21.88	21.95	21.43	---	---	21.51	21.34
19	22.11	21.55	21.95	21.47	22.63	21.73	21.99	21.26	---	---	21.94	21.45
20	21.79	21.48	21.59	21.83	22.33	22.35	22.27	21.09	---	---	22.05	21.40
21	21.18	22.47	22.05	21.90	21.98	21.36	22.04	21.13	---	---	21.74	21.10
22	22.44	22.48	22.28	22.17	21.81	21.71	21.93	21.78	---	---	21.39	20.63
23	21.80	22.03	21.47	21.97	21.40	21.77	22.25	21.58	---	---	21.95	20.10
24	21.67	21.65	20.86	22.28	21.92	22.30	21.73	21.17	---	22.10	21.69	20.60
25	22.12	21.58	21.67	22.29	22.28	21.88	21.14	21.05	---	23.56	21.73	21.06
26	21.98	21.89	20.89	21.79	25.68	21.95	21.55	20.37	---	23.49	21.99	21.44
27	21.69	22.01	21.59	21.34	27.04	---	21.79	20.45	---	22.00	21.94	21.70
28	21.21	22.41	22.03	21.14	27.12	21.73	20.95	20.79	---	24.94	21.31	21.65
29	21.25	21.72	22.02	20.82	---	22.12	20.74	20.94	---	24.61	21.39	21.05
30	21.60	21.22	21.45	21.19	---	21.98	21.26	21.29	---	25.80	21.98	20.56
31	21.71	---	20.66	21.79	---	21.08	---	21.52	---	25.87	21.84	---
MEAN	21.65	21.87	22.14	21.84	25.48	---	21.71	21.52	---	---	21.85	21.23
MAX	23.36	22.48	25.00	22.69	33.58	---	22.40	22.86	---	---	22.94	21.99
MIN	20.49	20.98	20.66	20.79	21.40	---	20.62	20.37	---	---	21.31	20.10

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02420000 ALABAMA RIVER NEAR MONTGOMERY, AL

LOCATION.--Lat 32°24'41", long 86°24'30", in NW¼ sec. 31, T. 17 N., R. 17 E., Montgomery County, Hydrologic Unit 03150201, in pier near midstream of bridge on U.S. Highway 31, 4 mi upstream from Autauga Creek, 6 mi northwest of Montgomery, and at mile 287.6.

DRAINAGE AREA.--15,087 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1899 to December 1904 (gage heights only). October 1927 to current year. Published as "at Montgomery" 1899-1903.

REVISED RECORDS.--WSP 1142: 1929. WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder and velocity meter (May 26, 1977). Datum of gage is 97.90 ft National Geodetic Vertical Datum of 1929. January 1899 to December 1903, nonrecording gage at site 9.3 mi upstream at different datum (station 02419988). Since Feb. 18, 1970, auxiliary gage located 3.0 mi downstream on right bank. Mar. 27, 1951, to Feb. 17, 1970, National Weather Service nonrecording gage (station 02419988) used as auxiliary gage.

REMARKS.--Water-discharge records not available at time publication went to press. Flow regulated by reservoirs on Etowah, Coosa, and Tallapoosa Rivers. (See Reservoirs in Mobile River basin.) Since January 1972, gage in pool at Robert F. Henry lock and dam.

AVERAGE DISCHARGE.--57 years, 24,380 ft³/s, 21.94 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 283,000 ft³/s, Feb. 26, 1961, maximum gage height, 60.65 ft, Feb. 27, 1961; minimum discharge prior to 1972, 2,180 ft³/s, Nov. 24, 1941, since 1972 negative flows for part of many days; minimum daily discharge, 1,840 ft³/s, Oct. 15, 1978, minimum gage height, -2.2 ft, Sept. 26, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1833, 62.7 ft, Apr. 1, 1886, from floodmarks, discharge, 322,000 ft³/s, from rating curve extended above 276,000 ft³/s. Flood of Mar. 30, 1888, reached a stage of 60.6 ft, from floodmarks, discharge, 283,000 ft³/s, from rating curve extended above 276,000 ft³/s. Elevations of floodmarks of both floods referred to National Weather Service gage 9.3 mi upstream and transferred to present site by gage height relation curve.

MOBILE RIVER BASIN

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MOBILE RIVER MAIN STEM

02420000 ALABAMA RIVER NEAR MONTGOMERY, AL--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1969 to September 1973, September 1974 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1975 to September 1981.

WATER TEMPERATURES: July 1975 to September 1981.

REMARKS.--Miscellaneous samples of chemical data published for water years 1968-69.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: (July 1975-September 1977, 1980) Maximum, 176 microsiemens Sept. 30, 1977; minimum, 46 microsiemens Apr. 3, 1977.

WATER TEMPERATURES: (July 1975-September 1977, 1980-81) Maximum, 31.5°C Aug. 12-14, 1977; minimum, 2.5°C Jan. 20-21, Feb. 3, 1977.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, PECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI PECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT 15...	1145	7800	105	6.8	24.0	3.0	8.5	102	150	K13	41	7	11
FEB 11...	1220	5900	104	6.6	7.0	20	12.1	101	200	230	35	7	9.6
APR 15...	1330	7200	119	7.2	18.5	10	9.0	97	260	110	44	6	12
AUG 12...	1245	12000	141	7.5	30.0	3.3	12.4	166	49	6	49	0	13

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT 15...	3.2	5.3	21	0.4	1.3	34	10	7.4	5.3	<.10	5.8	58
FEB 11...	2.7	4.5	21	.3	1.4	28	14	8.8	4.2	<.10	5.9	60
APR 15...	3.3	5.2	20	.4	1.4	38	4.6	8.6	6.1	<.10	5.6	66
AUG 12...	4.0	7.9	25	.5	1.5	50	3.1	8.9	7.3	<.10	4.9	76

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)
OCT 15...	60	0.08	1220	<.10	0.040	0.05	0.80	<.010	<.010	0.040	0.12
FEB 11...	54	.08	956	.23	.060	.08	.60	.080	.030	.040	.12
APR 15...	65	.09	1280	.21	<.010	--	.60	.050	.030	.020	.06
AUG 12...	78	.10	2460	<.10	.020	.03	.60	<.010	<.010	<.010	--

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02420000 ALABAMA RIVER NEAR MONTGOMERY, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)		
DATE											
OCT 15...	20	1	43	---	<1	6	<3	<1	28		
FEB 11...	140	<1	27	<.5	7	<1	<3	9	100		
APR 15...	20	<1	34	.8	<1	1	<3	3	63		
AUG 12...	40	1	44	<.5	1	<1	<3	4	70		
	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM- DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
DATE											
OCT 15...	1	<4	<1	<.1	<10	8	<1	<1	36	<6	<3
FEB 11...	2	6	15	<.1	<10	1	<1	<1	32	<6	14
APR 15...	4	8	2	.1	<10	1	<1	<1	38	<6	17
AUG 12...	1	<4	2	.3	<10	1	<1	<1	44	<6	7
								SEDI- MENT, DIS- CHARGE, SUS- PENDEED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM		
DATE					TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SEDI- MENT, SUS- PENDEED (MG/L)				
OCT 15...					1145	7800	17	358	89		
FEB 11...					1220	5900	43	685	93		
APR 15...					1330	7200	23	447	95		
JUN 21...					1255	700	13	25	--		
JUN 21...					1300	700	4	7.6	--		
JUL 30...					1355	50700	43	5890	--		
JUL 30...					1400	50700	41	5610	--		
AUG 12...					1245	12000	9	292	99		
SEP 18...					1530	20500	25	1380	--		
SEP 18...					1535	20500	17	941	--		

MOBILE RIVER BASIN

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02421000 CATOMA CREEK NEAR MONTGOMERY, AL

LOCATION.--Lat 32°18'26", long 86°17'58", in center sec. 6, T. 15 N., R. 18 E., Montgomery County, Hydrologic Unit 03150201, on right bank on downstream side of bridge on U.S. Highway 331, 5 mi south of Montgomery.

DRAINAGE AREA.--290 mi².

PERIOD OF RECORD.--June 1952 to September 1971, October 1971 to September 1974 (flood hydrograph only), October 1974 to current year.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 151.02 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 23-29, Sept. 12-24. Records fair except for periods of estimated record, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--30 years (water years 1953-71, 1975-85), 365 ft³/s, 17.09 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,600 ft³/s, Feb. 25, 1961, gage height, 28.65 ft; no flow for many days in some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 28, 1948, reached a stage of 27.5 ft at present site and datum; discharge, 38,300 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 7	1000	*4,850	*17.36				
Minimum discharge, 1.2 ft ³ /s, Nov. 18.							

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	4.6	1.5	13	12	200	1580	53	12	4.4	2.1	173	24	
2	3.2	12	134	327	1880	1270	58	67	3.9	2.2	75	14	
3	2.3	30	126	881	1070	948	57	255	4.0	2.1	49	11	
4	1.8	10	124	501	719	620	49	358	3.8	1.8	34	10	
5	1.6	3.5	1860	268	2120	303	83	196	3.3	11	23	15	
6	1.4	2.9	2070	141	3990	218	94	77	3.0	64	18	14	
7	1.4	2.5	883	89	4610	172	74	52	3.3	10	43	16	
8	1.4	2.2	225	67	3310	136	88	60	4.3	5.0	28	16	
9	4.3	2.1	102	54	1730	117	59	36	28	5.2	18	12	
10	1.7	25	64	44	404	106	45	136	8.2	4.9	41	10	
11	1.7	12	48	36	243	95	35	342	9.9	12	23	9.8	
12	1.9	3.2	36	31	213	86	31	195	38	19	18	9.8	
13	1.9	2.4	28	26	214	77	28	85	7.3	4.7	13	9.3	
14	1.8	2.0	23	24	180	74	46	54	5.2	4.2	12	8.3	
15	4.4	1.9	20	22	134	70	341	34	3.9	13	14	7.8	
16	4.4	1.8	18	21	108	67	767	23	3.3	8.6	18	7.0	
17	2.2	1.8	17	502	94	64	690	18	100	17	18	6.6	
18	1.9	1.5	15	701	83	62	305	16	35	18	11	6.2	
19	2.1	39	15	345	76	61	129	18	16	11	9.9	5.7	
20	2.1	4.0	16	175	72	54	80	15	11	6.6	44	5.5	
21	10	2.0	14	100	69	69	58	11	14	4.6	16	5.3	
22	5.9	1.6	14	62	66	69	44	11	8.7	61	9.9	5.1	
23	3.0	1.5	13	49	62	122	35	13	37	118	9.1	5.0	
24	3.0	1.4	13	44	93	218	28	11	17	218	8.9	40	
25	2.2	1.3	13	43	1530	159	24	8.8	6.2	260	38	32	
26	1.8	2.0	13	41	3470	130	25	7.8	4.6	684	128	13	
27	1.9	8.0	13	38	3960	91	22	6.8	4.9	2140	21	12	
28	4.5	45	12	43	2890	70	19	5.8	13	2580	12	10	
29	2.3	7.5	12	41	---	63	17	5.3	4.9	1810	37	8.4	
30	1.9	12	12	43	---	57	14	5.2	3.3	500	81	12	
31	1.6	---	11	74	---	60	---	4.8	---	551	69	---	
TOTAL	86.2	243.6	5977	4845	33590	7288	3398	2139.5	409.4	9149.0	1112.8	360.8	
MEAN	2.78	8.12	193	156	1200	235	113	69.0	13.6	295	35.9	12.0	
MAX	10	45	2070	881	4610	1580	767	358	100	2580	173	40	
MIN	1.4	1.3	11	12	62	54	14	4.8	3.0	1.8	8.9	5.0	
CFSM	.01	.03	.67	.54	4.14	.81	.39	.24	.05	1.02	.12	.04	
IN.	.01	.03	.77	.62	4.31	.93	.44	.27	.05	1.17	.14	.05	
CAL YR 1984	TOTAL	88882.9		MEAN	243	MAX	4800	MIN	1.2	CFSM	.84	IN.	11.40
WTR YR 1985	TOTAL	68599.3		MEAN	188	MAX	4610	MIN	1.3	CFSM	.65	IN.	8.80

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02421351 ALABAMA RIVER BELOW ROBERT F. HENRY LOCK AND DAM, NEAR BENTON, AL

LOCATION.--Lat 32°19'38", long 86°47'08", in NW¼ sec. 32, T. 16 N., R. 13 E., Lowndes County, Hydrologic Unit 03150201, at downstream end of Robert F. Henry Lock and Dam, 2 mi upstream from Big Swamp Creek, 2.5 mi north-east of Benton, 5 mi downstream from Ivy Creek, and at mile 245.4.

DRAINAGE AREA.--16,233 mi².

PERIOD OF RECORD.--January 1972 to current year (elevations only). Prior to October 1983, published as Alabama River below Jones Bluff Lock and Dam, near Benton.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929.

COOPERATION.--Records provided by the U.S. Army Corps of Engineers.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum elevation, 133.0 ft, Apr. 18, 1979; minimum, 78.0 ft, Nov. 7, 1978.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum elevation, 112.9 ft, Feb. 7; minimum, 78.5 ft, Aug. 5.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79.10	81.00	80.60	79.60	81.10	97.20	79.50	80.20	78.90	80.30	94.70	79.60
2	78.70	80.30	79.90	79.30	94.70	97.10	79.20	80.80	79.50	80.10	83.90	79.30
3	79.00	80.20	81.40	83.60	100.90	92.80	79.00	84.10	79.60	80.30	80.60	79.00
4	78.90	80.70	92.50	88.90	100.10	91.60	79.20	80.60	79.20	80.40	79.30	79.00
5	79.20	80.60	93.80	83.70	99.50	87.50	79.60	80.20	79.60	80.10	78.50	79.50
6	79.40	79.90	96.70	82.40	109.00	87.30	81.20	79.90	80.20	80.80	78.60	79.70
7	79.20	81.60	96.70	84.80	112.90	86.90	80.60	80.40	80.00	84.70	78.70	79.90
8	79.10	80.10	93.60	80.70	112.10	87.00	80.50	80.80	80.60	80.70	80.00	80.30
9	79.20	79.90	93.40	86.40	107.30	81.40	83.40	81.50	80.40	80.20	79.80	80.00
10	79.80	79.70	91.30	85.50	102.60	80.10	84.10	88.50	80.70	80.10	80.00	79.80
11	80.40	79.90	91.00	81.20	100.60	79.80	80.50	90.50	80.70	79.90	80.40	79.80
12	80.50	81.00	91.40	81.50	98.90	78.70	80.20	85.20	80.70	79.70	80.10	79.80
13	80.20	81.30	86.50	80.40	97.20	82.80	79.90	82.80	80.60	79.90	79.80	79.80
14	83.10	82.10	86.10	81.50	95.80	83.80	80.00	87.90	80.20	80.30	79.60	80.10
15	79.90	81.10	80.80	81.00	95.40	81.10	79.80	90.70	80.60	80.10	79.50	80.10
16	79.80	81.00	80.20	80.90	93.60	80.40	83.90	87.60	80.90	80.10	79.70	80.10
17	81.10	79.70	79.90	84.10	91.40	80.50	83.90	82.10	80.70	80.10	80.00	79.90
18	79.60	79.40	79.40	85.50	86.30	79.80	81.30	80.00	80.60	80.50	80.10	79.60
19	80.00	79.40	81.10	81.10	86.20	80.70	80.20	79.40	80.60	80.70	80.10	79.70
20	79.90	79.90	80.10	80.30	85.70	79.90	79.80	79.10	80.80	80.40	81.50	80.10
21	80.00	80.10	80.00	80.70	84.70	81.90	79.80	78.80	80.80	80.60	80.20	79.90
22	79.50	79.60	80.00	87.90	84.60	80.30	79.30	78.90	80.50	80.40	79.90	79.90
23	86.70	79.40	80.00	81.20	81.20	80.40	79.60	79.30	80.20	80.30	80.20	80.00
24	81.90	79.80	79.90	81.00	79.80	79.90	80.30	79.50	80.00	79.90	80.80	79.40
25	80.10	79.80	79.60	82.10	79.30	82.10	80.70	79.60	80.10	90.10	80.30	80.10
26	80.10	79.20	84.60	80.30	95.60	82.20	80.90	79.60	80.10	91.10	80.20	80.10
27	80.00	79.30	79.50	80.90	100.70	80.00	80.60	78.90	80.30	87.10	80.80	80.60
28	80.40	84.10	79.60	80.90	101.40	80.00	80.70	79.30	80.30	90.40	83.00	80.30
29	80.20	88.50	79.70	79.70	---	83.70	80.70	78.80	80.70	95.30	80.60	80.40
30	79.90	84.10	79.80	79.40	---	80.70	80.40	78.80	80.50	96.60	80.40	80.20
31	80.80	---	79.70	79.60	---	79.70	---	78.80	---	97.00	80.10	---
MEAN	80.18	80.76	84.48	82.13	94.95	83.46	80.63	81.70	80.29	83.17	80.69	79.87
MAX	86.70	88.50	96.70	88.90	112.90	97.20	84.10	90.70	80.90	97.00	94.70	80.60
MIN	78.70	79.20	79.40	79.30	79.30	78.70	79.00	78.80	78.90	79.70	78.50	79.00

WTR YR 1985 MEAN 82.62 HIGH 112.90 FEB 7 LOW 78.50 AUG 5

MOBILE RIVER BASIN

91

02422500 MULBERRY CREEK AT JONES, AL

LOCATION.--Lat 32°34'58", long 86°54'13", in E½ sec. 31, T. 19 N., R. 12 E., Dallas County, Hydrologic Unit 03150201, on right bank 75 ft downstream from highway bridge, 0.4 mi west of Jones, 6 mi upstream from Buck Creek, and 11 mi upstream from mouth.

DRAINAGE AREA.--203 mi².

PERIOD OF RECORD.--October 1938 to September 1970, October 1970 to September 1974 (flood hydrograph only), October 1974 to current year. Prior to October 1959, published as Mulberry "River" at Jones.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 165.23 ft above National Geodetic Vertical Datum of 1929. Prior to June 2, 1939, nonrecording gage at site 50 ft upstream at same datum.

REMARKS.--Estimated daily discharges: Oct. 21-26, Oct. 30, Nov. 3-4, Nov. 11, Jan. 16-19, Feb. 25 to Mar. 3, Apr. 6, Apr. 15-16, May 8-15, June 17-20, July 5-7, July 23, July 26 to Aug. 1, Aug. 9, Aug. 17, and Aug. 26-27. Records good except for periods of estimated record, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--43 years (water years 1939-70, 1975-85), 321 ft³/s, 21.47 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,800 ft³/s, Aug. 16, 1939, gage height, 30.38 ft; minimum daily discharge, 27 ft³/s, Oct. 6, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 33.6 ft in April 1938, from information by local residents, discharge, 48,000 ft³/s, from rating curve extended above 30,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
unknown	unknown	*unknown	*unknown				

Minimum discharge, 60 ft³/s, Sept. 22, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	164	281	190	774	670	213	161	97	84	160	83
2	74	169	467	274	640	550	187	262	92	78	117	79
3	74	510	951	297	449	480	177	265	88	74	114	77
4	75	360	512	283	364	410	176	191	84	77	97	76
5	75	244	1070	223	1430	428	189	158	80	110	86	74
6	74	197	998	194	1630	366	400	144	75	810	81	73
7	73	165	581	186	720	321	254	140	72	270	86	76
8	74	152	456	180	518	304	195	210	72	134	140	74
9	80	144	401	173	438	296	175	950	80	104	170	74
10	89	160	370	171	393	281	170	490	97	89	113	70
11	107	450	336	174	393	265	169	360	119	81	106	67
12	106	262	309	161	402	259	172	320	126	77	87	66
13	94	190	295	156	360	244	175	280	106	100	79	66
14	87	167	268	158	315	240	185	210	89	77	73	66
15	98	157	250	157	289	235	970	160	96	75	84	65
16	114	156	240	190	266	226	580	147	111	89	90	65
17	122	150	229	700	258	236	314	139	140	127	280	65
18	106	146	224	420	241	220	234	132	840	99	151	64
19	98	153	217	260	234	210	201	129	290	81	98	63
20	94	160	210	196	233	210	185	123	160	73	84	64
21	110	140	210	157	220	283	175	119	111	66	77	64
22	960	132	225	163	209	296	165	119	94	75	75	63
23	650	129	227	187	207	248	156	116	85	210	72	99
24	360	131	203	180	237	280	234	112	82	138	73	161
25	260	131	197	181	470	252	341	107	82	117	100	119
26	200	131	189	170	2300	214	206	103	76	200	630	95
27	157	175	187	158	1400	204	173	100	71	480	180	86
28	177	1420	181	185	880	210	205	98	73	1500	123	81
29	199	548	179	183	---	208	272	102	107	310	100	77
30	250	345	181	186	---	204	180	115	99	190	101	76
31	192	---	178	215	---	205	---	109	---	700	91	---
TOTAL	5303	7538	10822	6708	16270	9055	7428	6171	3794	6695	3918	2328
MEAN	171	251	349	216	581	292	248	199	126	216	126	77.6
MAX	960	1420	1070	700	2300	670	970	950	840	1500	630	161
MIN	73	129	178	156	207	204	156	98	71	66	72	63
CFSM	.84	1.24	1.72	1.06	2.86	1.44	1.22	.98	.62	1.06	.62	.38
IN.	.97	1.38	1.98	1.23	2.98	1.66	1.36	1.13	.70	1.23	.72	.43

CAL YR 1984	TOTAL	113147	MEAN	309	MAX	1510	MIN	73	CFSM	1.52	IN.	20.73
WTR YR 1985	TOTAL	86030	MEAN	236	MAX	2300	MIN	63	CFSM	1.16	IN.	15.77

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02423000 ALABAMA RIVER AT SELMA, AL

LOCATION.--Lat 32°24'20", long 87°01'07", in SE¼ sec. 36, T. 17 N., R. 10 E., Dallas County, Hydrologic Unit 03150201, in first pier from right bank of Edmund Pettus Bridge on U.S. Highway 80, in Selma, 1 mi upstream from Valley Creek, and at mile 214.8.

DRAINAGE AREA.--17,095 mi².

PERIOD OF RECORD.--January to December 1899 (gage heights only), January 1900 to December 1913, and June 1928 to September 1970. October 1971 to current year (gage heights only). Gage-height records December 1890 to December 1971 are contained in reports of National Weather Service.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 61.80 ft above National Geodetic Vertical Datum of 1929. Prior to June 22, 1928, nonrecording gage, June 22, 1928 to Apr. 11, 1938, water-stage recorder, and Apr. 12, 1938 to May 22, 1940, nonrecording gage all at site 300 ft upstream at same datum.

REMARKS.--Records good. Flow affected by operation of reservoirs on Etowah, Coosa, Tallapoosa, and Alabama Rivers. (See Reservoirs in Mobile River basin.) Stage affected by Millers Ferry lock and dam since November 1968.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 57.97 ft, Mar. 1, 1961; minimum gage height, -2.20 ft, Nov. 1, 1904.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1886, reached a stage of 57.0 ft, present site and datum, from floodmarks established by the U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 38.49 ft, Feb. 7; minimum, 16.70 ft, May 27.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.47	19.88	19.42	18.09	20.64	26.42	18.01	19.26	18.13	18.52	23.61	18.19
2	17.57	19.56	19.57	18.21	24.93	25.02	17.85	19.48	17.86	18.71	20.73	17.86
3	17.64	19.10	20.59	19.54	28.16	23.45	18.12	20.14	18.02	18.53	18.96	18.18
4	17.78	18.83	22.87	21.57	28.08	22.72	18.51	19.34	18.38	19.12	17.96	18.30
5	18.14	19.07	24.00	20.89	28.75	21.48	19.00	18.71	18.75	19.09	17.69	18.88
6	18.23	19.61	25.76	20.08	34.91	21.47	19.41	18.77	19.08	19.54	17.77	19.09
7	18.07	19.57	24.99	20.15	38.08	21.30	19.26	18.81	19.10	19.57	18.01	18.87
8	17.87	19.59	23.65	20.18	37.72	21.17	19.28	19.42	19.29	18.98	18.93	18.52
9	18.33	19.31	23.05	20.65	34.20	19.84	19.36	20.04	19.17	19.05	19.17	18.34
10	18.97	18.94	22.51	19.79	30.18	18.54	19.73	21.22	19.13	18.95	19.17	18.32
11	19.45	18.66	22.20	19.69	28.03	18.00	19.58	21.99	19.07	19.22	18.72	18.30
12	19.34	18.74	22.37	19.64	26.65	18.28	19.12	21.16	18.94	19.09	18.75	18.51
13	19.02	19.21	21.05	19.33	25.66	19.45	18.94	20.10	18.84	18.90	19.04	18.67
14	19.11	19.56	20.32	19.29	25.03	19.90	18.53	21.00	18.92	18.63	19.09	18.58
15	18.77	19.45	19.72	19.10	24.59	19.68	19.33	21.74	19.04	18.58	19.16	18.38
16	18.94	19.36	19.18	19.11	23.33	19.52	20.47	21.28	18.84	18.72	19.11	18.32
17	19.40	18.84	18.77	20.09	22.40	19.11	21.16	20.25	18.78	18.92	18.73	18.29
18	18.90	18.26	19.28	20.87	20.88	18.75	19.95	18.80	19.04	19.15	18.65	18.30
19	18.88	18.30	19.88	19.22	21.19	18.46	19.62	18.04	19.26	19.25	18.97	18.33
20	18.91	18.41	19.55	18.77	21.17	18.84	18.74	17.72	19.14	19.00	19.48	18.47
21	18.38	18.89	19.48	19.45	21.03	19.89	18.38	17.77	19.07	18.80	19.65	18.40
22	18.80	18.90	19.57	20.60	21.06	20.01	18.70	18.12	18.78	18.60	19.13	18.27
23	20.01	18.77	19.09	19.68	19.67	19.34	19.22	18.28	18.39	18.84	18.72	18.19
24	19.79	18.76	18.69	19.37	18.57	19.04	19.48	18.26	18.36	19.27	18.96	18.53
25	19.42	18.29	18.45	19.59	19.50	20.72	19.40	18.20	18.55	20.67	18.82	18.68
26	19.50	18.35	18.54	19.31	25.47	20.00	19.11	17.81	18.44	21.04	19.76	18.90
27	19.09	18.78	18.53	18.84	28.87	19.44	19.48	17.56	18.67	20.35	19.98	18.92
28	18.56	20.60	19.08	18.56	29.32	19.86	18.85	17.45	18.83	21.90	20.34	19.01
29	19.14	21.79	19.09	18.47	---	20.37	18.91	17.40	18.85	24.03	19.15	18.83
30	19.63	20.88	18.72	18.42	---	19.32	19.14	17.40	18.57	25.08	19.10	18.81
31	20.10	---	18.52	19.33	---	18.49	---	17.73	---	25.36	18.95	---
MEAN	18.81	19.21	20.53	19.54	26.00	20.25	19.15	19.14	18.78	19.79	19.17	18.51
MAX	20.10	21.79	25.76	21.57	38.08	26.42	21.16	21.99	19.29	25.36	23.61	19.09
MIN	17.47	18.26	18.45	18.09	18.57	18.00	17.85	17.40	17.86	18.52	17.69	17.86
WTR YR 1985	MEAN	19.87	MAX	38.08	MIN	17.40						

MOBILE RIVER BASIN

93

02423380 CAHABA RIVER NEAR MOUNTAIN BROOK, AL

LOCATION.--Lat 33°28'54", long 86°42'46", in NEk sec. 11, T. 18 S., R. 2 W., Jefferson County, Hydrologic Unit 03150202, on downstream side bridge on county road, 0.1 mi upstream from Fuller Creek, 3.5 mi east of Mountain Brook, 5.4 mi upstream from Little Cahaba River, and at mi 153.6.

DRAINAGE AREA.--140 mi².

PERIOD OF RECORD.--October 1980 to September 1981, June 1984 to current year. March 1976 to September 1980 and October 1981 to September 1984 in files of Barton Laboratory, Jefferson County Commission.

GAGE.--Water-stage recorder. Datum of gage is 443.85 ft above National Geodetic Vertical Datum of 1929 (levels by Jefferson County Engineering Department).

REMARKS.--Estimated daily discharges: June 1-14, 1984. Records good except for period of estimated record, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report. Birmingham Water Works Board satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,750 ft³/s, Mar. 30, 1981, gage height 10.84 ft; minimum, 4.5 ft³/s, Sept. 30, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 13, 1979, reached a stage of 20.6 ft, present datum, discharge 19,000 ft³/s.

EXTREMES FOR CURRENT PERIOD.--June to September 1984: maximum discharge during period, 751 ft³/s, July 31, gage height, 2.62 ft; minimum, 8.8 ft³/s, Sept. 25.

Water year 1985: Peak discharges greater than base discharge of 3,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 1	0830	*5,340	*9.18	Feb. 5	1845	4,150	7.69

Minimum discharge, 7.1 ft³/s, Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									105	291	311	35
2									100	102	305	32
3									94	57	346	28
4									88	43	260	27
5									82	43	339	25
6									76	48	307	23
7									70	141	211	21
8									62	165	161	20
9									56	93	114	19
10									52	63	93	19
11									48	50	100	19
12									50	41	105	21
13									47	49	80	19
14									44	49	69	18
15									43	35	58	18
16									45	29	50	17
17									40	28	45	14
18									33	109	39	12
19									27	116	37	11
20									28	64	50	11
21									28	46	37	11
22									58	37	34	11
23									225	30	103	10
24									167	27	98	10
25									91	29	58	9.3
26									63	25	44	9.2
27									48	30	37	11
28									40	25	33	11
29									38	25	47	10
30									37	62	56	10
31									---	418	39	---
TOTAL									1985	2370	3666	511.5
MEAN									66.2	76.5	118	17.1
MAX									225	418	346	35
MIN									27	25	33	9.2
CFSM									.47	.55	.84	.12
IN.									.53	.63	.97	.14

MOBILE RIVER BASIN

02423380 CAHABA RIVER NEAR MOUNTAIN BROOK, AL--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	11	20	104	64	4530	381	177	70	34	27	157	58	
2	9.4	31	203	110	2130	325	147	900	28	20	117	50	
3	8.2	53	396	191	998	266	132	443	24	21	92	51	
4	8.2	51	239	274	592	233	124	249	22	39	69	40	
5	11	37	341	236	2460	222	122	175	21	24	54	38	
6	10	31	408	180	2260	189	169	136	19	32	46	36	
7	10	27	274	131	1070	167	162	114	16	34	50	55	
8	11	23	201	113	627	156	137	387	14	29	41	46	
9	14	21	159	97	451	148	119	744	14	24	50	39	
10	18	22	131	87	350	137	110	697	15	21	40	38	
11	18	23	112	83	512	128	108	461	80	33	35	32	
12	14	21	96	82	884	123	102	335	108	23	29	30	
13	13	20	86	65	559	112	97	250	83	17	25	26	
14	11	19	77	58	413	106	95	191	49	15	24	22	
15	11	19	67	55	339	99	272	153	104	31	24	19	
16	11	22	59	53	285	93	353	124	64	39	113	16	
17	15	20	53	114	248	89	249	103	39	21	253	15	
18	21	25	51	146	215	83	197	90	38	17	132	15	
19	18	43	49	124	210	78	165	79	37	15	70	15	
20	18	35	46	107	205	74	143	69	50	14	48	15	
21	32	37	44	85	184	86	124	64	36	12	38	14	
22	71	34	60	77	166	961	109	71	28	12	33	13	
23	57	32	55	77	155	629	98	68	22	11	28	15	
24	33	28	52	76	182	371	117	53	22	12	29	15	
25	24	30	49	72	864	275	138	46	20	22	38	18	
26	21	28	46	64	1560	223	104	40	18	30	535	17	
27	18	85	42	56	815	192	86	36	18	1080	245	17	
28	26	540	41	60	502	180	77	32	68	2080	156	16	
29	33	239	39	62	---	165	69	42	40	777	119	11	
30	26	140	37	78	---	148	63	48	39	392	92	19	
31	24	---	35	1750	---	160	---	42	---	225	69	---	
TOTAL	625.8	1756	3652	4827	23766	6599	4165	6312	1170	5149	2851	811	
MEAN	20.2	58.5	118	156	849	213	139	204	39.0	166	92.0	27.0	
MAX	71	540	408	1750	4530	961	353	900	108	2080	535	58	
MIN	8.2	19	35	53	155	74	63	32	14	11	24	11	
CFSM	.14	.42	.84	1.11	6.06	1.52	.99	1.46	.28	1.19	.66	.19	
IN.	.17	.47	.97	1.28	6.31	1.75	1.11	1.68	.31	1.37	.76	.22	
WTR YR 1985	TOTAL	61683.8		MEAN	169	MAX	4530	MIN	8.2	CFSM	1.21	IN.	16.39

MOBILE RIVER BASIN

95

02423390 CAHABA RIVER AT BWWB PUMP STATION NR CAHABA HEIGHTS, AL

LOCATION.--Lat 33°27'05", long 86°42'54", in SE¼ sec. 23, T. 18 S., R. 2 W., Jefferson County, Hydrologic Unit 03150202, on right bank at Birmingham Water Works Board raw water intake, 0.2 mi upstream from Fleming Branch, 1.3 mi southeast of Cahaba Heights, 2.0 mi upstream from Little Cahaba River, and at mile 150.2.

DRAINAGE AREA.--145 mi².

PERIOD OF RECORD.--June 1984 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is 400.49 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Stage affected by releases from Lake Purdy Reservoir. Birmingham Water Works Board satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 34.76 ft, Feb. 1, 1985; minimum, 26.36 ft, Nov. 18, 1984.

EXTREMES FOR CURRENT PERIOD.--June to September 1984: maximum gage height during period, 28.80 ft, July 1; minimum, 28.08 ft, Aug. 28.

Water Year 1985: maximum gage height, 34.76 ft, Feb. 1; minimum, 26.36 ft, Nov. 18.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.33	27.78	28.41	28.43	34.76	29.17	28.71	28.00	27.84	27.98	28.47	28.28
2	28.16	28.07	28.65	28.46	31.42	29.06	28.63	29.56	27.99	28.18	28.32	28.16
3	28.32	28.57	28.99	28.66	29.81	28.94	28.59	29.34	28.23	28.31	28.32	28.17
4	28.20	28.58	28.71	28.82	29.31	28.85	28.56	28.94	28.06	28.21	27.95	28.22
5	28.29	28.54	28.90	28.75	31.80	28.83	28.56	28.75	28.07	28.12	28.09	28.23
6	28.38	28.43	29.02	28.64	31.63	28.76	28.68	28.61	27.94	28.23	28.10	28.17
7	28.38	28.29	28.76	28.50	29.90	28.70	28.66	28.53	27.99	28.21	28.00	28.24
8	28.39	28.50	28.62	28.43	29.37	28.67	28.60	28.85	28.23	27.91	28.18	28.20
9	28.37	28.67	28.55	28.32	29.14	28.65	28.53	29.43	28.14	28.01	28.22	28.07
10	28.24	28.69	28.45	28.26	28.99	28.62	28.50	29.50	28.17	28.11	28.27	28.17
11	28.25	28.60	28.37	28.17	29.18	28.61	28.47	29.19	---	28.16	28.13	28.00
12	27.92	28.48	28.29	27.98	29.67	28.58	28.44	28.99	---	27.79	28.06	28.06
13	27.38	28.31	28.09	27.66	29.29	28.55	28.46	28.83	28.18	28.05	28.10	28.14
14	27.02	27.64	28.30	27.53	29.09	28.51	28.46	28.70	28.25	27.81	28.21	28.21
15	26.77	27.05	28.39	28.29	28.97	28.50	28.87	28.60	28.54	28.17	28.06	28.10
16	26.92	26.73	28.36	28.27	28.87	28.46	29.10	28.51	28.28	28.23	28.37	27.92
17	27.14	26.58	28.24	28.44	28.81	28.47	28.88	28.43	28.05	27.95	28.75	28.23
18	27.39	26.36	28.18	28.53	28.72	28.42	28.75	28.37	28.05	28.26	28.44	28.18
19	27.00	27.20	28.18	28.47	28.69	28.30	28.66	28.26	27.88	28.24	28.05	28.14
20	26.90	27.68	28.30	28.38	28.68	28.29	28.60	28.18	28.26	28.15	28.10	28.17
21	27.09	27.62	28.31	28.30	28.63	28.48	28.55	28.01	28.16	28.11	28.29	28.15
22	27.85	27.54	28.42	28.16	28.59	29.78	28.48	28.26	28.00	28.10	28.03	28.12
23	27.50	27.55	28.43	28.04	28.56	29.48	28.41	28.36	27.85	28.24	28.21	28.06
24	27.21	27.39	28.40	28.36	28.65	29.14	28.49	28.15	28.09	28.18	28.23	28.27
25	27.19	27.57	28.41	28.43	29.62	28.95	28.59	27.91	28.28	28.26	28.07	27.85
26	27.07	27.62	28.36	28.30	30.62	28.82	28.48	28.22	28.07	27.85	28.97	28.13
27	27.30	27.80	28.29	28.21	29.70	28.74	28.42	28.09	28.09	29.80	28.63	27.95
28	27.67	29.20	28.30	28.11	29.34	28.72	28.34	28.16	28.45	31.06	28.44	28.03
29	27.09	28.71	28.33	28.07	---	28.68	28.18	28.24	28.01	29.44	28.27	28.19
30	26.68	28.47	28.32	28.22	---	28.65	28.06	27.90	28.27	28.96	28.16	28.22
31	27.48	---	28.29	30.55	---	28.69	---	28.27	---	28.64	28.10	---
MEAN	27.61	27.94	28.44	28.38	29.64	28.74	28.56	28.55	---	28.35	28.24	28.13
MAX	28.39	29.20	29.02	30.55	34.76	29.78	29.10	29.56	---	31.06	28.97	28.28
MIN	26.68	26.36	28.09	27.53	28.56	28.29	28.06	27.90	---	27.79	27.95	27.85

MOBILE RIVER BASIN

02423409 LAKE PURDY NEAR CAHABA HEIGHTS, AL

LOCATION.--Lat 33°27'35", long 86°40'06", in SE¼ sec. 17, T. 18 S., R. 1 W., Shelby County, Hydrologic Unit 03150202, attached to left side of control room, at upstream side spillway, 0.2 mi upstream from Big Branch, 4.0 mi east of Cahaba Heights, and 4.3 mi upstream from mouth.

DRAINAGE AREA.--42.7 mi².

PERIOD OF RECORD.--June to September 1985 (gage-heights only).

GAGE.--Water-stage recorder. Elevation of gage is 551 ft above National Geodetic Vertical Datum of 1929, from topographic map. Birmingham Waterworks Board satellite telemeter at gage.

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum gage height June to September, 58.39 ft, June 10; minimum, 49.81 ft, Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	57.20	55.67	54.75
2									---	57.06	55.75	54.68
3									---	56.95	55.83	54.62
4									---	57.00	55.85	54.50
5									---	56.95	55.79	54.37
6									---	56.88	55.72	54.25
7									---	56.83	55.64	54.14
8									---	56.75	55.56	54.07
9									---	56.63	55.46	53.96
10									58.39	56.48	55.36	53.80
11									58.32	56.33	55.27	53.66
12									58.32	56.24	55.14	53.50
13									58.33	56.06	54.99	53.33
14									58.25	55.91	54.82	53.14
15									58.20	55.74	54.69	52.95
16									58.28	55.68	54.63	52.77
17									58.25	55.60	54.76	52.53
18									58.21	55.42	54.85	52.31
19									58.17	55.23	54.87	52.09
20									58.09	55.05	54.79	51.86
21									58.02	54.84	54.69	51.63
22									57.94	54.63	54.57	51.41
23									57.83	54.42	54.41	51.21
24									57.70	54.24	54.27	51.04
25									57.55	54.10	54.22	50.89
26									57.41	54.02	54.47	50.67
27									57.26	54.45	54.66	50.48
28									57.27	55.02	54.76	50.27
29									57.34	55.24	54.83	50.04
30									57.24	55.47	54.86	49.81
31									---	55.58	54.85	---
MEAN									---	55.74	55.03	52.62
MAX									---	57.20	55.85	54.75
MIN									---	54.02	54.22	49.81

MOBILE RIVER BASIN

97

02423410 LITTLE CAHABA RIVER BELOW LAKE PURDY DAM NEAR CAHABA HEIGHTS, AL

LOCATION.--Lat 33°27'36", long 86°40'13", in SW¼ sec. 17, T. 18 S., R. 1 W., Shelby County, Hydrologic Unit 03150202, on left bank, 600 ft downstream from Lake Purdy Dam, 0.1 mi upstream from Big Branch, 3.8 mi east of Cahaba Heights, and 4.2 mi upstream from mouth.

DRAINAGE AREA.--42.7 mi².

PERIOD OF RECORD.--October 1984 to September 1985.

GAGE.--Water-stage recorder with sharp crested and V-notch weirs. Elevation of gage is 480 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1-17, June 19, 21, 22, 26-30, and July 1, 2. Records good except for periods of estimated record, which are poor. Flow completely regulated by Lake Purdy Reservoir. Birmingham Water Works Board satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 244 ft³/s, May 2, gage height, 2.84 ft; minimum, 1.2 ft³/s, Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	70	2.0	35	2.0	120	53	37	69	75	1.3	61
2	92	105	2.1	2.0	2.0	105	46	155	86	84	1.3	48
3	98	130	2.0	2.0	2.0	95	41	199	81	78	4.4	61
4	97	129	2.1	2.0	2.0	76	40	127	79	34	30	67
5	94	129	2.1	2.0	2.4	78	42	82	81	59	58	69
6	96	88	2.0	2.0	2.3	71	49	63	87	58	52	70
7	96	81	2.1	2.0	2.3	66	44	55	95	43	67	55
8	84	147	2.1	2.0	2.3	61	41	85	89	66	55	53
9	79	221	2.2	2.0	2.3	59	37	145	89	82	68	72
10	82	217	2.2	2.0	2.3	55	33	148	73	85	62	78
11	81	164	2.3	2.0	2.3	52	32	123	53	73	62	73
12	56	122	2.3	2.0	2.3	50	32	98	8.3	74	78	78
13	70	65	15	5.3	2.4	48	34	81	32	90	86	81
14	64	37	37	28	2.5	46	36	65	64	90	79	80
15	71	44	37	22	2.5	42	63	53	44	94	84	80
16	63	46	37	2.0	2.5	39	72	48	24	56	30	94
17	60	46	37	2.0	2.6	39	65	41	48	88	2.2	98
18	41	52	37	2.0	2.6	35	56	37	38	100	3.3	94
19	46	58	46	2.0	2.6	31	50	35	71	94	29	99
20	49	41	50	2.0	2.6	32	44	32	56	99	68	95
21	22	38	50	2.0	2.6	63	40	31	63	102	61	96
22	1.7	38	50	20	2.5	128	37	34	73	103	78	94
23	15	38	50	26	2.4	118	33	33	80	97	78	93
24	42	43	50	26	2.6	95	41	29	93	93	72	73
25	53	48	50	19	3.5	75	43	51	92	56	53	85
26	67	44	50	8.5	90	63	37	52	86	62	7.4	94
27	76	31	50	7.0	150	56	34	58	93	19	1.4	74
28	51	2.0	50	4.6	144	54	34	83	25	1.4	1.4	97
29	36	2.0	50	9.3	---	53	32	35	58	1.5	4.7	87
30	77	2.0	49	4.8	---	51	31	76	54	1.4	29	92
31	88	---	49	2.1	---	54	---	53	---	1.3	45	---
TOTAL	2034.7	2278.0	869.5	251.6	444.4	2010	1272	2244	1984.3	2059.6	1351.4	2391
MEAN	65.6	75.9	28.0	8.12	15.9	64.8	42.4	72.4	66.1	66.4	43.6	79.7
MAX	98	221	50	35	150	128	72	199	95	103	86	99
MIN	1.7	2.0	2.0	2.0	2.0	31	31	29	8.3	1.3	1.3	48
CFSM	1.54	1.78	.66	.19	.37	1.52	.99	1.70	1.55	1.56	1.02	1.87
IN.	1.77	1.98	.76	.22	.39	1.75	1.11	1.95	1.73	1.79	1.18	2.08
WTR YR 1985	TOTAL	19190.5	MEAN	52.6	MAX	221	MIN	1.3	CFSM	1.23	IN.	16.72

MOBILE RIVER BASIN

02423425 CAHABA RIVER NEAR CAHABA HEIGHTS, AL

LOCATION.--Lat 33°24'56", long 86°44'23", in NW¼ sec. 3, T. 19 S., R. 2 W., Shelby County, Hydrologic Unit 03150202, on left bank 700 ft upstream from bridge on county road, 2.5 mi upstream from Little Shades Creek, 3.0 mi south of Cahaba Heights, 3.4 mi downstream from Little Cahaba River, and 144.9 miles upstream from mouth.

DRAINAGE AREA.--201 mi².

PERIOD OF RECORD.--August 1975 to September 1985 (discontinued).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 410 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 20-31, Nov. 2-10, 12-14, 16-25, Dec. 3-6, Dec. 22 to Jan. 23, Feb. 2-24, Sept. 10-30. Records good except for periods of estimated record, which are poor. An average of 82 ft³/s is diverted above station by Birmingham Water Works Board, and is not included in records. Flow partly regulated by Purdy Lake (capacity 15,300 acre-ft) on Little Cahaba River.

AVERAGE DISCHARGE.--10 years, 310 ft³/s, 20.94 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,400 ft³/s, Apr. 13, 1979, gage height, 28.86 ft; minimum daily, 0.10 ft³/s, Oct. 26 to Nov. 6, 1978.

EXTREMES FOR CURRENT YEAR.-- Peak discharge greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 1	1200	*3,930	*10.68				

Minimum daily discharge, 1.3 ft³/s, Nov. 22, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	2.4	27	60	3560	440	126	9.0	9.6	26	55	7.0
2	7.6	6.0	74	90	1900	350	93	713	9.7	6.2	26	9.6
3	12	16	120	130	760	277	73	592	8.6	7.6	42	7.4
4	7.9	27	75	200	500	218	59	293	8.2	18	15	5.6
5	11	20	120	180	2000	200	56	159	5.9	7.8	13	5.1
6	17	13	190	130	2200	163	103	89	3.4	7.4	11	4.8
7	16	4.5	150	90	900	127	100	64	3.2	12	15	4.6
8	21	3.0	79	60	600	106	75	244	3.0	6.6	18	4.4
9	34	2.7	67	40	400	106	52	552	3.0	5.8	15	4.4
10	16	2.8	35	28	300	105	42	684	5.0	5.7	17	4.0
11	14	2.9	28	24	400	91	35	457	25	5.2	14	3.7
12	8.3	2.9	18	19	700	68	30	308	32	9.9	12	3.6
13	7.9	2.7	11	16	450	55	38	204	15	6.1	12	3.3
14	5.5	2.5	11	14	350	47	38	122	12	5.1	11	3.2
15	3.8	2.4	32	13	280	41	203	80	98	5.0	14	3.1
16	3.7	3.0	22	20	230	29	457	48	31	13	73	3.0
17	2.9	2.7	11	30	200	34	341	30	8.0	7.9	240	2.9
18	2.1	3.1	9.3	60	170	27	206	20	8.9	6.4	67	2.9
19	1.8	3.7	9.3	45	150	9.8	115	13	7.9	8.3	18	2.9
20	1.5	2.0	9.3	35	140	9.8	82	8.8	15	8.5	12	2.9
21	4.0	1.5	19	20	120	30	62	8.4	9.6	7.1	13	2.9
22	9.0	1.3	48	13	100	881	42	8.3	7.3	7.5	13	2.9
23	7.0	1.3	44	7.8	80	692	26	19	5.7	8.0	10	3.4
24	4.0	1.4	37	6.8	150	370	45	10	5.2	8.7	10	5.2
25	3.0	1.5	32	20	750	281	79	8.3	6.8	13	17	3.3
26	2.7	1.6	34	12	1550	210	41	6.5	9.2	11	318	3.4
27	2.3	40	24	6.6	921	161	28	7.8	7.3	1080	116	3.3
28	3.2	190	21	5.9	630	143	16	6.9	48	1940	38	3.0
29	4.0	100	22	4.9	---	123	11	21	16	719	14	3.0
30	3.3	40	23	5.3	---	102	8.0	12	20	371	7.7	14
31	3.0	---	20	1150	---	109	---	16	---	130	6.2	---
TOTAL	255.5	503.9	1421.9	2536.3	20491	5605.6	2682.0	4814.0	447.5	4473.8	1262.9	132.8
MEAN	8.24	16.8	45.9	81.8	732	181	89.4	155	14.9	144	40.7	4.43
MAX	34	190	190	1150	3560	881	457	713	98	1940	318	14
MIN	1.5	1.3	9.3	4.9	80	9.8	8.0	6.5	3.0	5.0	6.2	2.9
CFSM	.04	.08	.23	.41	3.64	.90	.44	.77	.07	.72	.20	.02
IN.	.05	.09	.26	.47	3.79	1.04	.50	.89	.08	.83	.23	.02
CAL YR 1984	TOTAL	82435.1	MEAN	225	MAX	2560	MIN	1.3	CFSM	1.12	IN.	15.26
WTR YR 1985	TOTAL	44627.2	MEAN	122	MAX	3560	MIN	1.3	CFSM	.61	IN.	8.26

MOBILE RIVER BASIN

99

02423500 CAHABA RIVER NEAR ACTON, AL

LOCATION.--Lat 33°21'48", long 86°48'47", in SE¼ sec. 23, T. 19 S., R. 3 W., Jefferson County, Hydrologic Unit 03150202 on right bank at downstream side of highway bridge (Bains Bridge), 0.5 mi upstream from Patton Creek, 1 mi downstream from U.S. Highway 31, 1 mi northwest of Acton, 16 mi south of Birmingham, and 136.8 miles above mouth.

DRAINAGE AREA.--230 mi².

PERIOD OF RECORD.--October 1938 to September 1957 and October 1983 to current year.

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 375.00 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 25, 1939, wire-weight gage at same site and datum.

REMARKS.--Estimated daily discharges: Nov. 8-18. Records good except for estimated record, which are poor. An average of 82 ft³/s is diverted above station by Birmingham Water Works Board, and is not included in records except about 7 ft³/s which is returned to river above station. Flow partly regulated by Purdy Lake (capacity 15,300 acre-ft) on Little Cahaba River. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--21 years (water years 1939-57, 1984-85), 328 ft³/s, 19.37 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,500 ft³/s, Dec. 28, 1942, gage height, 43.70 ft; maximum gage height, 44.25 ft, Dec. 29, 1942; minimum discharge, no flow for several days each year 1953-56.

EXTREMES OUTSIDE OF PERIOD OF RECORD.--Flood of Apr. 13, 1979, reached a stage of 42.8 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 4,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 1	1530	5,380	18.30				

Minimum discharge, 4.1 ft³/s, Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	10	98	143	4740	591	188	30	14	120	138	12
2	12	34	355	152	2750	488	146	612	9.9	27	81	13
3	4.8	72	564	211	1070	397	109	693	9.1	17	158	18
4	11	127	328	349	639	321	89	362	8.1	45	56	12
5	5.9	92	487	294	2610	300	86	231	7.6	24	39	10
6	13	72	592	225	2960	250	155	144	7.9	27	31	9.9
7	23	22	353	141	1190	198	155	90	8.0	29	59	11
8	32	18	235	95	705	165	115	173	8.5	22	153	11
9	63	16	166	61	515	149	80	612	7.8	16	59	9.6
10	28	15	111	46	396	129	61	737	32	14	53	9.3
11	14	16	74	40	505	114	50	509	29	13	36	8.8
12	18	15	51	32	863	97	42	366	75	13	26	7.9
13	9.3	13	43	27	615	81	45	269	23	14	21	7.7
14	11	12	35	24	461	68	41	195	16	11	18	7.5
15	15	11	43	22	373	61	222	134	268	11	50	7.1
16	19	11	49	26	308	46	444	78	130	19	206	6.6
17	36	12	43	63	262	49	306	53	32	27	656	6.6
18	24	14	31	109	216	42	223	37	47	14	192	6.9
19	19	17	28	84	195	20	159	23	46	12	76	6.6
20	22	8.9	26	59	184	14	120	15	28	13	51	6.7
21	103	6.6	28	38	154	44	89	15	27	12	43	6.6
22	183	6.0	80	27	120	928	60	31	15	9.0	39	6.7
23	39	6.0	71	23	106	780	40	19	12	15	29	7.9
24	33	6.7	61	21	168	489	80	22	10	43	27	12
25	25	7.1	53	42	988	344	112	14	9.9	18	47	7.8
26	20	7.4	57	45	1840	267	71	11	11	22	274	8.2
27	17	187	40	25	1040	214	46	8.7	11	2260	186	8.1
28	30	803	34	28	724	188	26	8.8	128	2660	83	7.1
29	40	344	35	22	---	167	20	31	54	871	42	6.8
30	20	166	38	29	---	148	13	23	23	530	24	32
31	14	---	32	957	---	171	---	11	---	225	16	---
TOTAL	918.0	2147.7	4241	3460	26697	7320	3393	5557.5	1107.8	7153.0	2969	291.4
MEAN	29.6	71.6	137	112	953	236	113	179	36.9	231	95.8	9.71
MAX	183	803	592	957	4740	928	444	737	268	2660	656	32
MIN	4.8	6.0	26	21	106	14	13	8.7	7.6	9.0	16	6.6
CAL YR 1984	TOTAL	110802.5		MEAN	303	MAX	3610	MIN	4.8			
WTR YR 1985	TOTAL	65255.4		MEAN	179	MAX	4740	MIN	4.8			

MOBILE RIVER BASIN

02424000 CAHABA RIVER AT CENTREVILLE, AL

LOCATION.--Lat 32°56'42", long 87°08'21", in E½ sec. 26, T. 23 N., R. 9 E., Bibb County, Hydrologic Unit 03150202, on left bank 60 ft downstream from bridge on U.S. Highway 82, 0.2 mi west of Centreville, 0.5 mi upstream from Gulf, Mobile & Ohio Railroad bridge, 2.5 mi upstream from Sandy Creek, and at mile 81.2.

DRAINAGE AREA.--1,027 mi².

PERIOD OF RECORD.--August 1901 to February 1908, May 1929 to March 1932, May 1935 to current year. Gage height records collected at same site from January 1917 to December 1971 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 682: 1901-08. WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 180.74 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 31, 1939, nonrecording gage at same site. Prior to May 1929, at datum 1.15 ft lower.

REMARKS.--No estimated daily discharges. Records good. An average of 82 ft³/s is diverted upstream from station by Birmingham Water Works Board, and is not included in records. Flow partly regulated by Purdy Lake (capacity, 15,300 acre-ft) on Little Cahaba River and several waste-water treatment plants. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report. Satellite telemeter at station.

AVERAGE DISCHARGE.--58 years (water years 1902-07, 1930-31, 1936-85), 1,630 ft³/s, 21.55 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,600 ft³/s, Mar. 29, 1951; maximum gage height, 36.63 ft, Apr. 8, 1938; minimum, 90 ft³/s, Oct. 24-29, 1904, gage height, -0.35 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 6	0200	*14,400	*21.60				

Minimum discharge, 190 ft³/s, Sept. 20, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	273	543	1440	726	6970	2790	1160	629	439	432	892	324	
2	269	577	2550	1570	9020	2490	1080	780	392	559	859	298	
3	276	720	8490	1540	4880	2090	955	1990	369	430	918	285	
4	276	815	3840	1810	2930	1830	902	1650	351	376	883	277	
5	278	784	3670	1760	8930	1720	913	1120	326	468	651	269	
6	271	701	4690	1420	12100	1590	1760	899	324	553	519	270	
7	279	608	3210	1220	6560	1410	1510	786	313	660	460	264	
8	297	545	2300	1080	3820	1300	1200	744	330	491	450	258	
9	481	485	1690	963	2800	1230	1050	1690	321	421	725	269	
10	826	509	1410	889	2340	1160	957	1850	391	358	544	273	
11	579	680	1260	844	2220	1100	900	1700	595	324	495	253	
12	414	711	1120	781	3150	1050	855	1360	632	318	454	237	
13	360	587	1020	729	2820	989	836	1100	726	317	381	231	
14	334	501	943	710	2260	947	820	933	481	302	354	225	
15	339	472	900	700	1940	913	1080	818	405	301	336	216	
16	356	453	852	674	1730	874	1780	714	666	362	446	217	
17	388	447	799	786	1550	848	1640	633	790	332	1080	214	
18	435	459	792	993	1400	813	1300	580	525	299	1470	200	
19	445	484	760	881	1290	783	1110	533	555	303	760	198	
20	396	539	732	789	1240	757	980	502	654	283	547	195	
21	568	543	713	705	1200	783	905	481	501	261	443	200	
22	2710	475	735	640	1100	3530	837	489	431	252	391	195	
23	2030	441	842	633	1040	3300	782	487	390	339	371	217	
24	1570	427	810	654	1140	2380	831	488	365	439	359	234	
25	1190	424	735	654	3480	1890	932	441	341	494	457	225	
26	882	419	690	643	10100	1510	949	422	326	634	616	224	
27	691	470	661	622	5570	1330	806	404	351	953	682	221	
28	615	4760	653	632	3510	1240	768	388	331	7490	655	208	
29	735	3390	630	649	---	1170	756	408	577	4300	476	204	
30	797	1760	617	687	---	1090	662	456	635	1820	405	219	
31	635	---	610	1430	---	1060	---	484	---	1330	361	---	
TOTAL	19995	24729	50164	28814	107090	45967	31016	25959	13833	26201	18440	7120	
MEAN	645	824	1618	929	3825	1483	1034	837	461	845	595	237	
MAX	2710	4760	8490	1810	12100	3530	1780	1990	790	7490	1470	324	
MIN	269	419	610	622	1040	757	662	388	313	252	336	195	
CFSM	.63	.80	1.58	.90	3.72	1.44	1.01	.81	.45	.82	.58	.23	
IN.	.72	.90	1.82	1.04	3.88	1.67	1.12	.94	.50	.95	.67	.26	
CAL YR 1984	TOTAL	528588		MEAN	1444	MAX	10900	MIN	269	CFSM	1.41	IN.	19.15
WTR YR 1985	TOTAL	399328		MEAN	1094	MAX	12100	MIN	195	CFSM	1.07	IN.	14.46

MOBILE RIVER BASIN

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02424000 CAHABA RIVER AT CENTREVILLE, AL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.89	2.78	4.97	3.28	12.26	7.48	4.36	3.02	2.45	2.43	3.71	2.09
2	1.88	2.87	6.39	5.22	16.47	6.98	4.18	3.42	2.31	2.81	3.63	1.99
3	1.90	3.26	15.49	5.18	11.29	6.26	3.88	5.97	2.23	2.42	3.78	1.95
4	1.90	3.51	9.57	5.71	7.80	5.75	3.74	5.40	2.17	2.25	3.69	1.92
5	1.91	3.43	8.68	5.62	13.49	5.53	3.76	4.27	2.09	2.54	3.08	1.89
6	1.88	3.21	10.34	4.93	20.35	5.27	5.60	3.73	2.08	2.80	2.70	1.89
7	1.92	2.96	8.30	4.49	14.20	4.90	5.12	3.44	2.04	3.10	2.52	1.88
8	1.98	2.78	6.60	4.17	9.25	4.67	4.45	3.33	2.10	2.62	2.49	1.85
9	2.57	2.60	5.48	3.90	7.59	4.51	4.10	5.47	2.07	2.40	3.27	1.90
10	3.54	2.67	4.91	3.71	6.70	4.35	3.89	5.80	2.30	2.19	2.78	1.91
11	2.88	3.16	4.58	3.59	6.50	4.22	3.74	5.50	2.93	2.08	2.63	1.83
12	2.38	3.24	4.27	3.42	8.07	4.12	3.62	4.80	3.03	2.06	2.50	1.77
13	2.20	2.90	4.04	3.29	7.53	3.97	3.57	4.22	3.28	2.06	2.27	1.75
14	2.11	2.65	3.85	3.24	6.57	3.86	3.53	3.82	2.58	2.01	2.18	1.73
15	2.13	2.56	3.74	3.21	5.98	3.77	4.17	3.52	2.35	2.00	2.12	1.69
16	2.19	2.50	3.61	3.14	5.54	3.67	5.65	3.25	3.08	2.21	2.47	1.69
17	2.29	2.48	3.47	3.44	5.19	3.60	5.38	3.03	3.44	2.11	4.03	1.68
18	2.44	2.52	3.45	3.98	4.88	3.51	4.67	2.88	2.72	1.99	5.05	1.63
19	2.47	2.59	3.37	3.69	4.65	3.43	4.24	2.75	2.81	2.01	3.37	1.62
20	2.32	2.76	3.29	3.44	4.54	3.36	3.94	2.65	3.09	1.93	2.79	1.60
21	2.81	2.78	3.25	3.22	4.43	3.43	3.75	2.59	2.65	1.84	2.47	1.63
22	7.13	2.57	3.30	3.05	4.22	8.17	3.57	2.61	2.43	1.81	2.30	1.60
23	6.22	2.46	3.58	3.03	4.10	8.45	3.43	2.60	2.30	2.11	2.24	1.70
24	5.24	2.41	3.50	3.09	4.32	6.79	3.55	2.61	2.22	2.45	2.20	1.79
25	4.42	2.41	3.30	3.09	7.64	5.86	3.82	2.46	2.14	2.62	2.51	1.75
26	3.69	2.39	3.18	3.06	17.42	5.12	3.86	2.40	2.09	3.03	2.99	1.75
27	3.19	2.54	3.11	3.00	12.36	4.73	3.49	2.34	2.17	3.69	3.16	1.73
28	2.99	9.61	3.09	3.03	8.79	4.54	3.39	2.29	2.10	13.69	3.09	1.67
29	3.30	8.77	3.03	3.08	---	4.38	3.36	2.36	2.84	10.30	2.57	1.66
30	3.47	5.61	2.99	3.18	---	4.21	3.11	2.51	3.03	5.80	2.35	1.73
31	3.04	---	2.97	4.77	---	4.14	---	2.59	---	4.73	2.20	---
MEAN	2.91	3.30	4.96	3.75	8.65	4.94	4.03	3.47	2.50	3.16	2.88	1.78
MAX	7.13	9.61	15.49	5.71	20.35	8.45	5.65	5.97	3.44	13.69	5.05	2.09
MIN	1.88	2.39	2.97	3.00	4.10	3.36	3.11	2.29	2.04	1.81	2.12	1.60
CAL YR 1984	MEAN	4.61	MAX	18.59	MIN	1.88						
WTR YR 1985	MEAN	3.83	MAX	20.35	MIN	1.60						

02424940 OAKMULGEE CREEK NEAR AUGUSTIN, AL

LOCATION.--Lat 32°32'01", long 87°05'24", in SE 1/4 sec. 17, T. 18 N., R. 10 E., Dallas-Perry County line, Hydrologic Unit 03150202, on downstream side of State Highway 219 bridge, 2 mi north of Augustin.

DRAINAGE AREA.--220 mi².

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

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 139.71 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--10 years, 324 ft³/s, 20.00 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,900 ft³/s, March 5, 1979, gage height, 19.53 ft; minimum, 12 ft³/s, Oct. 4, 5, 6, 7, 8, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 28	0300	*1,660	*8.04				

Minimum discharge, 23 ft³/s, Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	24	182	529	151	525	842	170	139	42	98	178	141	
2	24	148	330	243	685	661	169	155	38	82	156	104	
3	24	155	362	350	845	585	158	183	35	63	139	91	
4	24	182	355	463	684	528	149	203	32	47	117	85	
5	25	185	665	380	753	461	150	179	29	45	87	76	
6	24	161	660	317	1090	417	227	136	27	114	72	68	
7	24	140	645	252	1230	385	250	113	25	246	63	61	
8	24	122	605	216	1100	336	267	116	25	284	61	58	
9	28	108	419	195	703	308	197	190	42	222	90	57	
10	31	108	319	180	525	288	160	272	64	117	174	51	
11	66	139	276	173	485	271	147	450	65	79	115	45	
12	86	207	251	165	486	258	141	356	80	61	76	41	
13	60	237	231	159	474	245	141	242	75	56	59	38	
14	44	165	215	153	437	235	144	178	63	57	49	36	
15	44	135	200	149	359	223	226	142	49	49	44	34	
16	74	123	186	148	318	216	300	118	45	42	46	34	
17	88	116	175	241	294	214	339	98	52	42	74	32	
18	87	113	168	284	276	205	292	86	147	44	107	31	
19	71	107	162	337	265	192	210	80	147	40	119	30	
20	59	113	158	278	258	180	169	75	151	36	75	29	
21	72	136	156	235	247	205	149	71	122	33	55	28	
22	258	121	161	212	235	244	135	70	82	34	44	26	
23	501	103	162	170	225	265	123	71	61	49	39	35	
24	822	95	157	179	238	286	188	69	47	61	37	66	
25	611	93	151	185	548	259	315	60	41	78	41	76	
26	407	92	144	180	1210	242	301	53	38	73	233	71	
27	250	114	140	168	1450	208	227	48	38	240	418	54	
28	184	328	137	181	1420	192	172	43	38	645	481	42	
29	202	405	134	185	---	184	147	41	35	506	434	38	
30	251	633	133	200	---	178	152	44	46	427	274	39	
31	263	---	133	311	---	173	---	43	---	260	180	---	
TOTAL	4752	5066	8519	7040	17365	9486	5915	4124	1781	4230	4137	1617	
MEAN	153	169	275	227	620	306	197	133	59.4	136	133	53.9	
MAX	822	633	665	463	1450	842	339	450	151	645	481	141	
MIN	24	92	133	148	225	173	123	41	25	33	37	26	
CFSM	.70	.77	1.25	1.03	2.82	1.39	.90	.60	.27	.62	.60	.24	
IN.	.80	.86	1.44	1.19	2.94	1.60	1.00	.70	.30	.72	.70	.27	
CAL YR 1984	TOTAL	93680		MEAN	256	MAX	945	MIN	24	CFSM	1.16	IN.	15.84
WTR YR 1985	TOTAL	74032		MEAN	203	MAX	1450	MIN	24	CFSM	.92	IN.	12.52

02425000 CAHABA RIVER NEAR MARION JUNCTION, AL

LOCATION.--Lat 32°26'38", long 87°10'49", in SE¼ sec. 16, T. 17 N., R. 9 E., Dallas County, Hydrologic Unit 03150203, on right bank 10 ft downstream from bridge on U.S. Highway 80, 3.8 mi downstream from Oakmulgee Creek, 3.5 mi east of Marion Junction, and 21.4 mi upstream from mouth.

DRAINAGE AREA.--1,766 mi².

PERIOD OF RECORD.--October 1938 to September 1954, October 1968 to current year. Monthly discharge only October to December 1938, published in WSP 1304. Gage-height records collected at same site from 1939 to 1971 are contained in reports of the National Weather Service.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 86.72 ft above National Geodetic Vertical Datum of 1929 (levels by the U.S. Army Corps of Engineers). Auxiliary water-stage recorder 6.2 mi downstream from base gage at same datum. October 1940 to September 1954, nonrecording gage 12 mi downstream from base gage at same datum.

REMARKS.--No estimated daily discharges. Records good. For diversion above station see Remarks for station at Centerville. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--33 years (water years 1939-54, 1969-85), 2,944 ft³/s, 22.64 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,400 ft³/s, Aug. 16, 1939, gage height, 42.95 ft; minimum observed, 224 ft³/s, Sept. 16, 1954, gage height, 0.80 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 24, 1961, reached a stage of 43.80 ft, present datum, from floodmarks (discharge not determined).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 8	1200	*15,900	*24.77				

Minimum discharge, 429 ft³/s, Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	444	1270	3530	1290	4470	8950	1940	1270	794	1030	2470	928
2	441	1120	2710	1980	8230	6090	2010	1270	785	832	1890	818
3	437	1190	5040	3020	10600	5180	1890	1480	723	804	1610	759
4	439	1450	9370	3240	9700	4410	1680	2940	681	820	1600	725
5	445	1540	9240	3320	7090	3960	1600	2580	655	751	1450	689
6	447	1390	7410	3020	10100	3650	2050	1830	624	955	1190	663
7	444	1250	7450	2460	13500	3290	3220	1490	599	1310	1010	669
8	442	1120	5810	2100	15500	2930	2800	1350	588	1350	909	652
9	471	1030	4160	1860	11700	2700	2140	1540	595	1130	859	637
10	629	980	3320	1690	5980	2550	1820	2990	698	875	1110	629
11	1230	1100	2820	1580	4810	2400	1650	3430	787	738	1030	624
12	1060	1260	2480	1480	4910	2250	1550	3100	1040	663	896	610
13	783	1330	2220	1380	5590	2140	1470	2410	1050	637	828	575
14	649	1160	2020	1310	4950	2010	1450	1920	1060	618	750	544
15	619	1020	1840	1270	4070	1910	1850	1600	870	587	690	525
16	676	964	1690	1250	3530	1820	2480	1380	739	587	716	506
17	707	936	1590	1660	3140	1760	3380	1220	818	603	864	492
18	718	912	1520	1840	2840	1690	2980	1110	1290	635	1440	484
19	738	921	1460	1990	2620	1600	2300	1040	1120	573	2210	472
20	731	974	1400	1760	2450	1540	1920	978	1110	550	1300	457
21	759	1000	1360	1460	2320	1580	1680	935	1130	535	988	446
22	2390	1010	1350	1280	2220	2390	1530	920	935	541	821	434
23	4630	936	1350	1240	2070	5790	1410	914	801	675	734	438
24	4600	881	1410	1240	2040	5890	1690	902	718	724	688	498
25	3430	862	1420	1270	4020	4370	2360	887	675	1000	730	550
26	2460	853	1300	1260	9150	3420	2190	829	637	859	1870	586
27	1770	949	1240	1240	12000	2730	1890	790	602	1470	4420	578
28	1380	2190	1220	1240	13000	2420	1580	760	610	3300	2510	538
29	1360	6190	1190	1280	---	2260	1440	737	607	7390	1950	504
30	1430	5780	1170	1290	---	2120	1410	738	721	7270	1380	475
31	1510	---	1150	2020	---	1990	---	785	---	3710	1090	---
TOTAL	38269	43568	91240	54320	182600	97790	59360	46125	24062	43522	42003	17505
MEAN	1234	1452	2943	1752	6521	3155	1979	1488	802	1404	1355	584
MAX	4630	6190	9370	3320	15500	8950	3380	3430	1290	7390	4420	928
MIN	437	853	1150	1240	2040	1540	1410	737	588	535	688	434
CFSM	.70	.82	1.67	.99	3.69	1.79	1.12	.84	.45	.80	.77	.33
IN.	.81	.92	1.92	1.14	3.85	2.06	1.25	.97	.51	.92	.88	.37

CAL YR 1984	TOTAL	973928	MEAN	2661	MAX	17500	MIN	437	CFSM	1.51	IN.	20.52
WTR YR 1985	TOTAL	740364	MEAN	2028	MAX	15500	MIN	434	CFSM	1.15	IN.	15.60

MOBILE RIVER BASIN

02425200 BIG SWAMP CREEK NEAR ORRVILLE, AL

LOCATION.--Lat 32°13'17", long 87°09'48", in NW¼ sec. 3, T. 14 N., R. 9 E., Dallas County, Hydrologic Unit 03150203, on left bank, 20 ft upstream from county road, 3 mi upstream from mouth, and 9.8 mi southeast of Orrville.

DRAINAGE AREA.--35.8 mi².

PERIOD OF RECORD.--March 1972 to current year.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 87.74 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 23 to Dec. 10. Records good except for period of estimated record, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--13 years, 50.3 ft³/s, 19.08 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,400 ft³/s, Mar. 31, 1976, gage height, 14.07 ft, minimum daily, 0.07 ft³/s, Nov. 25, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 650 ft³/s and annual maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 5	2100	*441	*5.38				

Minimum discharge, 0.68 ft³/s, Sept. 15, 18-23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	3.7	9.0	5.5	81	124	9.8	11	2.0	1.7	2.3	1.0
2	1.9	3.7	13	7.0	92	119	9.4	20	1.8	1.7	1.8	1.1
3	2.0	3.8	18	12	52	85	9.0	39	1.7	1.6	1.7	1.4
4	2.0	4.0	40	11	33	67	8.5	22	1.6	1.4	1.4	1.2
5	2.1	4.0	70	8.6	230	61	23	13	1.4	1.4	1.3	1.2
6	2.0	3.6	65	7.4	265	48	79	9.3	1.3	6.0	1.1	1.1
7	2.0	3.6	22	6.8	165	37	39	8.2	1.2	4.5	1.4	1.0
8	2.5	3.3	18	6.4	114	32	20	7.6	1.2	3.3	2.1	1.0
9	6.3	3.3	16	5.4	77	29	14	13	1.6	2.5	3.3	1.1
10	3.1	4.7	14	5.2	54	25	11	17	1.8	2.0	1.8	.98
11	2.5	5.9	11	5.0	57	22	9.5	16	2.0	1.6	1.4	.96
12	2.3	4.2	9.9	4.9	58	20	9.1	11	3.2	1.4	1.2	.89
13	2.3	3.7	9.6	4.8	43	18	8.2	8.2	2.0	1.3	1.1	.88
14	2.4	3.2	9.0	4.7	35	17	10	6.5	1.5	1.2	.88	.75
15	6.7	3.3	8.7	4.6	31	16	100	5.2	1.6	2.4	.96	.72
16	4.6	3.4	7.6	4.9	27	15	89	4.5	1.8	1.6	1.3	.74
17	3.7	3.7	7.1	33	24	15	52	4.2	1.6	1.4	1.4	.74
18	3.5	3.7	6.9	28	23	15	37	3.7	2.1	1.1	1.0	.69
19	3.3	4.8	6.4	16	22	13	28	3.3	3.6	1.0	.88	.68
20	3.2	5.2	6.4	11	20	12	20	3.2	3.2	1.0	.81	.68
21	3.2	4.4	6.4	7.6	19	16	14	3.5	2.3	.88	.79	.68
22	9.0	4.1	6.0	6.2	17	20	10	4.0	2.0	.96	.76	.68
23	7.6	3.8	6.0	5.9	16	17	7.7	3.5	1.6	1.4	.81	7.7
24	9.1	3.8	6.0	6.2	23	24	41	3.4	1.4	2.0	.88	3.6
25	4.6	3.7	6.0	6.8	113	23	111	2.9	3.5	2.0	2.3	2.7
26	3.8	4.0	5.7	6.9	163	16	61	2.7	3.3	1.4	2.9	1.8
27	3.7	20	5.5	7.2	110	13	38	2.3	5.5	3.5	1.8	1.6
28	9.0	60	5.4	13	104	12	28	2.3	3.6	11	1.6	1.2
29	6.6	20	5.4	13	---	12	20	2.1	2.1	5.4	1.4	1.2
30	4.7	11	5.4	11	---	11	14	2.1	2.1	3.5	1.1	4.8
31	4.1	---	5.4	32	---	11	---	2.1	---	2.9	1.1	---
TOTAL	125.6	213.6	430.8	308.0	2068	965	930.2	256.8	65.6	75.04	44.57	44.77
MEAN	4.05	7.12	13.9	9.94	73.9	31.1	31.0	8.28	2.19	2.42	1.44	1.49
MAX	9.1	60	70	33	265	124	111	39	5.5	11	3.3	7.7
MIN	1.8	3.2	5.4	4.6	16	11	7.7	2.1	1.2	.88	.76	.68
CFSM	.11	.20	.39	.28	2.06	.87	.87	.23	.06	.07	.04	.04
IN.	.13	.22	.45	.32	2.15	1.00	.97	.27	.07	.08	.05	.05

CAL YR 1984	TOTAL	13154.5	MEAN	35.9	MAX	413	MIN	1.7	CFSM	1.00	IN.	13.67
WTR YR 1985	TOTAL	5527.98	MEAN	15.1	MAX	265	MIN	.68	CFSM	.42	IN.	5.74

MOBILE RIVER BASIN

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MOBILE RIVER MAIN STEM

02427506 ALABAMA RIVER AT MILLERS FERRY LOCK AND DAM, NEAR CAMDEN, AL

LOCATION.--Lat 32°06'00", long 87°23'52", in NW¼ sec. 17, T. 13 N., R. 17 E., Wilcox County, Hydrologic Unit 03150203, at downstream end of Millers Ferry lock and dam, 1.0 mi downstream from State Highway 28, 1.3 mi downstream from Prairie Creek, 6.6 mi upstream from Dixon Creek, 12 mi northwest of Camden, and at mile 142.25.

DRAINAGE AREA.--20,637 mi².

PERIOD OF RECORD.--November 1968 to current year (gage height only). October 1971 to current year in reports of Geological Survey. November 1968 to September 1971 in files of the U.S. Army Corps of Engineers.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.00 ft above National Geodetic Vertical Datum of 1929.

COOPERATION.--Records provided by the U.S. Army Corps of Engineers.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 62.3 ft, Apr. 20, 1979; minimum, 10.5 ft, Sept. 2, 3, 4, 1969.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 48.8 ft, Feb. 7; minimum 14.1 ft, June 6.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.40	20.80	22.70	15.60	16.30	37.30	15.60	15.40	14.40	14.40	29.90	15.80
2	14.40	17.90	15.60	15.60	25.70	35.00	15.30	15.30	14.50	14.60	27.40	15.40
3	14.40	17.00	19.00	15.60	34.10	30.80	15.60	17.30	14.40	14.40	22.40	15.10
4	14.80	15.40	24.20	19.10	36.10	27.60	15.60	21.90	14.50	14.30	15.10	15.40
5	14.60	15.40	29.40	24.10	35.90	35.90	15.50	15.10	14.40	14.60	15.80	15.20
6	14.70	15.70	34.70	20.00	41.70	23.20	15.10	15.30	14.10	14.50	15.50	15.30
7	14.90	17.80	34.00	16.50	48.80	24.40	16.00	15.20	14.90	21.40	15.40	15.50
8	15.10	17.30	30.20	18.30	48.40	22.90	15.80	14.90	14.60	15.40	15.60	15.30
9	15.30	16.40	27.00	22.00	48.10	22.90	15.80	17.20	15.20	14.50	15.50	15.30
10	15.20	15.80	25.90	19.60	44.70	15.80	15.80	22.80	14.90	15.20	15.50	15.10
11	15.10	15.80	25.80	15.60	39.10	16.00	16.80	23.10	14.90	15.40	15.60	15.00
12	15.60	15.50	24.80	15.50	34.10	15.80	15.90	25.50	15.20	15.10	15.40	14.90
13	15.50	15.50	24.70	15.70	33.80	15.90	15.60	22.40	15.10	15.80	15.30	14.80
14	15.40	15.40	22.10	15.50	31.40	16.90	15.50	22.50	14.60	15.20	15.80	14.60
15	15.50	15.60	17.60	15.50	29.70	15.70	15.40	22.50	14.30	15.00	15.90	14.40
16	15.70	15.40	15.60	15.70	28.90	15.30	17.30	23.60	14.50	14.90	15.90	14.30
17	15.50	15.50	15.90	17.30	25.90	15.70	24.10	23.00	14.60	14.60	15.60	14.60
18	15.80	15.80	16.10	17.70	23.30	15.60	23.20	16.50	14.60	14.90	15.20	14.30
19	15.70	15.80	18.90	22.90	22.60	15.90	15.90	15.90	14.70	14.90	15.30	14.60
20	15.60	15.50	15.80	15.40	22.90	15.60	15.90	16.00	15.30	15.10	15.40	14.70
21	15.40	15.60	15.80	15.90	22.90	15.70	16.00	15.80	15.60	14.60	15.10	14.60
22	15.30	15.50	15.60	19.50	23.00	15.50	15.70	15.70	15.20	14.60	15.80	14.50
23	16.30	16.30	15.70	16.70	19.20	16.90	15.70	15.40	14.80	14.60	15.40	14.50
24	18.70	15.50	15.60	16.10	16.20	16.10	15.90	15.20	14.50	15.40	15.20	15.20
25	17.60	15.40	15.40	15.80	16.50	15.90	18.10	15.00	14.50	22.30	15.10	15.60
26	15.00	15.30	15.40	15.80	26.00	22.20	17.50	14.50	14.50	22.70	14.60	14.50
27	16.00	15.60	15.60	15.80	37.30	16.80	15.50	14.50	14.50	22.80	17.70	14.50
28	15.70	16.20	15.70	15.80	38.70	16.10	17.00	14.50	14.20	22.90	22.50	14.40
29	15.30	22.80	15.90	15.80	---	18.00	15.40	14.50	14.20	25.00	22.20	14.40
30	15.20	26.10	16.00	15.70	---	20.80	15.50	14.80	14.30	29.40	16.70	14.40
31	18.10	---	15.70	15.90	---	16.00	---	14.50	---	31.20	16.30	---
MEAN	15.54	16.65	20.40	17.16	31.12	20.14	16.47	17.61	14.67	17.41	17.10	14.87
MAX	18.70	26.10	34.70	24.10	48.80	37.30	24.10	25.50	15.60	31.20	29.90	15.80
MIN	14.40	15.30	15.40	15.40	16.20	15.30	15.10	14.50	14.10	14.30	14.60	14.30
CAL YR 1984	MEAN	22.84	MAX	49.90	MIN	14.40						
WTR YR 1985	MEAN	18.18	MAX	48.80	MIN	14.10						

MOBILE RIVER BASIN

02427700 TURKEY CREEK AT KIMBROUGH, AL

LOCATION.--Lat 32°01'15", long 87°33'30", in SE¼ sec. 10, T. 12 N., R. 5 E., Wilcox County, Hydrologic Unit 03150203, on right bank on upstream side of bridge on county road, 0.3 mi upstream from Southern Railway bridge, 0.6 mi downstream from State Highway 5, 1 mi south of Kimbrough, and 2 mi upstream from mouth.

DRAINAGE AREA.--97.5 mi².

PERIOD OF RECORD.--August 1958 to current year.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 58.78 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--27 years, 141 ft³/s, 19.64 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39,600 ft³/s, Dec. 10, 1961, gage height, 25.02 ft; no flow Sept. 25, 1968.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 6	0300	2,040	7.44	Feb. 26	0200	*2,070	*7.64

Minimum discharge, 2.9 ft³/s, Oct. 1, 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	3.3	9.0	41	41	463	469	45	246	6.9	5.0	16	7.8	
2	3.2	8.2	43	129	258	505	41	393	6.4	6.9	13	7.4	
3	3.4	9.3	81	99	148	244	41	118	5.9	6.5	11	6.2	
4	3.5	15	76	97	106	178	38	75	5.4	6.4	10	23	
5	3.7	16	414	66	790	183	42	53	5.1	5.6	9.3	19	
6	3.9	12	388	49	1490	150	199	41	5.0	77	8.2	11	
7	4.1	9.8	141	41	1280	117	103	36	4.5	54	7.7	8.5	
8	4.2	8.9	85	37	1580	104	62	40	4.2	21	8.0	8.9	
9	6.2	8.3	65	32	1480	97	47	70	19	13	12	11	
10	7.0	11	54	30	388	92	41	87	84	9.5	7.9	13	
11	7.4	28	46	28	155	83	38	93	15	7.5	6.8	8.8	
12	7.4	24	41	26	173	77	37	55	14	6.5	6.1	7.7	
13	6.9	16	37	24	114	71	36	38	12	5.7	5.6	7.1	
14	6.6	13	35	24	95	66	35	29	7.6	5.3	5.6	6.6	
15	11	11	31	24	84	61	117	25	6.1	4.9	5.6	5.9	
16	21	12	29	24	75	56	244	21	5.4	19	5.9	5.9	
17	16	12	28	236	70	58	77	18	5.2	15	7.3	5.8	
18	20	13	27	194	66	53	51	16	12	12	8.1	5.5	
19	14	16	26	99	61	47	41	14	70	7.7	6.9	5.4	
20	12	19	25	69	60	45	36	13	51	6.4	6.0	5.7	
21	13	17	26	45	55	69	31	12	21	5.8	5.9	6.0	
22	41	15	26	40	50	97	28	12	12	115	5.4	6.9	
23	64	13	26	41	48	78	26	11	8.8	377	5.2	20	
24	66	13	25	43	73	101	275	11	7.4	58	13	36	
25	34	14	25	41	717	91	282	10	6.3	123	60	21	
26	19	14	24	37	1300	64	119	8.9	5.6	36	22	14	
27	13	83	23	34	318	54	86	8.3	5.6	24	11	11	
28	13	352	22	77	203	56	73	7.8	5.5	22	8.7	9.6	
29	18	101	23	72	---	55	53	7.3	6.1	17	7.7	8.7	
30	14	51	24	56	---	49	46	7.2	5.7	57	7.0	13	
31	11	---	23	91	---	46	---	7.4	---	24	7.2	---	
TOTAL	470.8	944.5	1980	1946	11700	3516	2390	1583.9	428.7	1153.7	320.1	326.4	
MEAN	15.2	31.5	63.9	62.8	418	113	79.7	51.1	14.3	37.2	10.3	10.9	
MAX	66	352	414	236	1580	505	282	393	84	377	60	36	
MIN	3.2	8.2	22	24	48	45	26	7.2	4.2	4.9	5.2	5.4	
CFSM	.16	.32	.66	.64	4.29	1.16	.82	.52	.15	.38	.11	.11	
IN.	.18	.36	.76	.74	4.46	1.34	.91	.60	.16	.44	.12	.12	
CAL YR 1984	TOTAL	30669.4		MEAN	83.8	MAX	1480	MIN	2.1	CFSM	.86	IN.	11.70
WTR YR 1985	TOTAL	26760.1		MEAN	73.3	MAX	1580	MIN	3.2	CFSM	.75	IN.	10.21

MOBILE RIVER BASIN

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MOBILE RIVER MAIN STEM

02428400 ALABAMA RIVER AT CLAIBORNE LOCK AND DAM, NEAR MONROEVILLE, AL

LOCATION.--Lat 31°36'40", long 87°33'10", in SE¹/₄ sec. 34, T. 8 N., R. 5 E., Monroe County, Hydrologic Unit 03150204, just upstream from Claiborne lock and dam, 3.5 mi upstream from Flat Creek, 3.8 mi downstream from Silver Creek, 15 mi northwest of Monroeville, and at mile 81.9.

DRAINAGE AREA.--21,473 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Water-discharge records fair. Flow regulated by reservoirs on Etowah, Coosa, Tallapoosa, and Alabama Rivers. (See Reservoirs in Mobile River basin).

AVERAGE DISCHARGE.--10 years, 36,340 ft³/s, 22.98 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 216,000 ft³/s, Apr. 22, 1979, maximum gage height, 55.45 ft, Apr. 23, 1979; minimum daily, 5,560 ft³/s, Oct. 4, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 112,000 ft³/s, Feb. 9, maximum gage height, 29.28 ft, Feb. 9; minimum daily, 5,560 ft³/s, Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6380	20500	31200	10900	21700	90800	12800	10500	7750	7750	62000	15600
2	6300	17400	16400	12000	48500	80900	10300	10500	7700	8030	44900	13900
3	6120	14200	24900	16700	87900	87200	10200	19300	7660	7580	30700	13500
4	5560	11500	39700	25300	93500	58000	10300	25900	7790	8830	15100	8540
5	6440	11300	64100	34400	81300	45400	10400	13300	7950	7160	12300	10900
6	6180	13600	98200	25600	90900	34100	10500	10600	10700	9530	11400	11600
7	5870	16400	96900	22100	109000	35400	12100	10600	9720	26100	11200	10400
8	6260	15500	73800	26000	111000	31600	13300	14900	8280	16200	11200	10200
9	6610	19100	50300	27400	112000	30400	15000	22000	8130	10900	12700	9960
10	6740	12900	44300	23400	107000	19900	17000	30900	8530	10700	11900	10100
11	11700	12000	42200	16100	97300	20500	18400	34600	9930	14000	10900	9380
12	15000	11200	39500	15300	76700	14400	17400	38800	10200	13600	10700	8880
13	11700	12900	35600	13300	65100	16300	12800	30300	10500	10500	13000	8670
14	11900	18200	27400	15800	82800	23100	10400	30400	7870	10100	14500	8720
15	11500	20100	23300	14300	59000	19500	11400	30000	7470	7970	16400	7730
16	12000	19300	14600	13500	56800	14400	18900	31200	7430	9760	15400	8190
17	12300	14900	14300	21300	45100	14600	31500	31700	7460	9110	10700	8240
18	12800	11800	18700	23500	33200	13200	31800	15500	8180	11300	10100	8120
19	12100	12100	23200	27600	30800	13200	22800	11800	8730	10800	12200	6950
20	10800	11100	18300	15600	31200	11400	12900	11700	9560	9830	18500	8500
21	10300	15100	18700	20200	31400	15400	10600	10900	10900	9080	16600	7870
22	14500	15500	17200	24600	31500	21200	12000	10800	10300	8600	16100	8410
23	20700	12900	15100	22500	26600	23700	15800	10500	9840	9120	15200	8090
24	24200	10900	14700	17100	16100	17000	13500	10400	7810	13400	13800	8600
25	25500	10600	11600	15800	24200	19000	18900	10500	9140	31200	13500	8770
26	17500	11200	10600	11500	58900	27700	15100	9110	6740	30900	14600	7580
27	15700	11600	11600	11300	94200	22800	11200	9090	7820	30000	23400	7380
28	11700	20700	14300	11400	85800	18300	11700	9120	8200	31100	27600	7630
29	11700	33200	17600	11400	---	18700	10600	9030	7730	42900	27800	7510
30	12400	40600	11800	11300	---	25800	11900	8080	7150	59700	23700	7640
31	16900	---	11400	16000	---	17400	---	8760	---	66700	19000	---
TOTAL	365360	478300	951500	573200	1809500	901300	441500	540790	257170	552450	567100	277560
MEAN	11790	15940	30690	18490	64630	29070	14720	17440	8572	17820	18290	9252
MAX	25500	40600	98200	34400	112000	90800	31800	38800	10900	66700	62000	15600
MIN	5560	10600	10600	10900	16100	11400	10200	8080	6740	7160	10100	6950
CAL YR 1984	TOTAL	13402420	MEAN	36620	MAX	117000	MIN	5560	MEAN	+35620	CFPM	+1.66
WTR YR 1985	TOTAL	7715730	MEAN	21140	MAX	112000	MIN	5560	MEAN	+21000	CFPM	+0.98
											IN.	+22.52
											IN.	+13.27

† Adjusted for change in contents in Allatoona Reservoir, Weiss Lake, H. Neely Henry Reservoir, Logan Martin Reservoir, combined Lay, Mitchell, and Jordan Lakes, and Lewis Smith Reservoir.

MOBILE RIVER BASIN

02428400 ALABAMA RIVER AT CLAIBORNE LOCK AND DAM, NEAR MONROEVILLE, AL--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1982 to current year.

WATER TEMPERATURES: June 1982 to current year.

REMARKS.--No specific conductance data and water temperature data for several periods due to equipment malfunctions.

COOPERATION.--Specific conductance and temperature data furnished by the U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF ONCE DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 163 microsiemens, Nov. 22, 1982; minimum, 69 microsiemens, Apr. 14, 1983.

WATER TEMPERATURES: Maximum, 31.0°C, Aug. 28-30, Sept. 1, 1982, July 26-28, Aug. 1, 29, 1983, July 3, 15, 16, 21-24, 1985; minimum, 5.0°C, Jan. 4-7, 1984.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 160 microsiemens, Feb. 4; minimum, 85 microsiemens, Mar. 9.

WATER TEMPERATURES: Maximum, 31.0°C, July 3, 15, 16, 21-24; minimum, 7.0°C, Feb. 15-17.

SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	---	126	128	135	104	92	140	132	142	137	136
2	102	114	128	126	142	104	95	129	145	144	---	148
3	104	112	130	122	146	98	92	130	147	142	135	132
4	104	110	126	128	160	102	96	125	152	148	150	134
5	102	108	134	122	150	102	95	125	145	140	132	130
6	108	104	128	128	140	86	91	148	145	137	138	132
7	104	104	130	128	154	103	95	145	146	136	140	128
8	102	106	130	138	134	108	114	134	149	136	138	134
9	98	116	114	138	139	85	112	134	147	136	140	128
10	108	114	124	132	141	87	94	133	140	132	142	130
11	108	113	120	129	131	96	96	152	---	136	148	125
12	110	108	134	131	134	98	98	136	132	132	145	122
13	112	108	135	130	114	108	97	142	130	136	148	124
14	112	120	120	126	116	106	95	137	132	134	146	126
15	104	116	113	133	106	96	100	---	135	134	140	120
16	104	---	112	132	108	93	98	134	135	128	142	120
17	110	110	97	129	106	90	108	130	138	128	144	114
18	110	108	91	130	87	87	116	120	138	140	146	118
19	110	108	138	130	106	87	110	116	134	---	142	132
20	110	118	128	114	112	98	128	118	134	142	150	136
21	111	114	128	148	108	96	128	125	132	142	150	146
22	116	118	112	127	114	102	134	120	134	143	153	130
23	114	125	113	154	112	96	134	122	134	135	148	131
24	110	127	138	152	120	96	130	124	138	140	148	135
25	105	132	130	155	120	100	130	122	---	140	148	134
26	97	126	126	150	118	104	134	120	---	140	148	148
27	105	140	116	144	98	88	124	122	148	140	136	128
28	116	132	130	152	124	95	130	128	145	142	142	127
29	103	134	125	142	---	100	130	132	138	140	140	128
30	---	118	104	138	---	102	130	131	134	124	138	134
31	110	---	124	151	---	106	---	131	---	124	136	---
MEAN	107	117	123	135	124	98	111	130	139	137	143	130
WTR YR 1985	MEAN	124	MAX	160	MIN	85						

MOBILE RIVER BASIN

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02428400 ALABAMA RIVER AT CLAIBORNE LOCK AND DAM, NEAR MONROEVILLE, AL--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	---	15.0	17.0	9.0	12.0	19.0	25.0	27.0	30.0	29.0	29.0
2	25.0	25.0	15.0	16.0	8.0	13.0	18.0	26.0	28.0	30.0	---	28.0
3	24.0	25.0	15.0	16.0	8.0	13.0	19.0	24.0	28.0	31.0	29.0	28.0
4	25.0	24.0	15.0	14.0	8.0	13.0	18.0	24.0	28.0	29.0	29.0	28.0
5	26.0	24.0	14.0	13.0	8.0	14.0	19.0	24.0	29.0	30.0	29.0	28.0
6	28.0	23.0	13.0	13.0	9.0	14.0	19.0	24.0	30.0	29.0	30.0	28.0
7	28.0	22.0	12.0	13.0	8.0	14.0	19.0	25.0	30.0	29.0	30.0	28.0
8	28.0	21.0	11.0	12.0	9.0	14.0	19.0	25.0	30.0	28.0	30.0	28.0
9	28.0	20.0	12.0	12.0	9.0	15.0	19.0	25.0	30.0	28.0	30.0	28.0
10	24.0	20.0	12.0	12.0	8.0	15.0	19.0	25.0	30.0	30.0	30.0	28.0
11	24.0	20.0	12.0	12.0	8.0	15.0	19.0	25.0	---	30.0	30.0	29.0
12	24.0	20.0	12.0	12.0	8.0	16.0	19.0	25.0	29.0	30.0	30.0	29.0
13	24.0	19.0	12.0	11.0	8.0	16.0	19.0	25.0	29.0	30.0	30.0	29.0
14	24.0	19.0	12.0	11.0	8.0	17.0	19.0	25.0	29.0	30.0	30.0	28.0
15	24.0	18.0	12.0	10.0	7.0	17.0	20.0	26.0	28.0	31.0	30.0	27.0
16	24.0	---	12.0	10.0	7.0	16.0	20.0	26.0	28.0	31.0	30.0	27.0
17	25.0	16.0	14.0	10.0	7.0	16.0	20.0	25.0	29.0	30.0	29.0	27.0
18	24.0	16.0	14.0	10.0	8.0	16.0	20.0	25.0	29.0	30.0	30.0	27.0
19	24.0	18.0	14.0	10.0	8.5	16.0	21.0	25.0	29.0	---	30.0	27.0
20	24.0	17.0	14.0	10.0	9.0	17.0	22.0	25.0	28.0	30.0	30.0	27.0
21	24.0	17.0	15.0	9.0	9.0	17.0	22.0	25.0	28.0	31.0	30.0	27.0
22	25.0	17.0	13.0	8.0	10.0	17.0	23.0	25.0	28.0	31.0	30.0	27.0
23	25.0	15.0	14.0	8.0	10.0	17.0	24.0	26.0	30.0	31.0	30.0	27.0
24	25.0	15.0	15.0	8.0	11.0	17.0	23.0	25.0	29.0	31.0	30.0	27.0
25	25.0	15.0	15.0	8.0	11.0	18.0	23.0	25.0	---	30.0	30.0	27.0
26	24.0	15.0	15.0	8.0	12.0	18.0	23.0	25.0	---	30.0	30.0	26.0
27	25.0	15.0	15.0	9.0	12.0	17.0	23.0	25.0	30.0	30.0	30.0	26.0
28	25.0	15.0	15.0	9.0	12.0	17.0	23.0	25.0	30.0	30.0	29.0	25.0
29	25.0	15.0	15.0	9.0	---	18.0	23.0	28.0	30.0	29.0	29.0	25.0
30	---	15.0	15.0	9.0	---	18.0	24.0	27.0	30.0	30.0	29.0	25.0
31	24.0	---	16.0	9.0	---	19.0	---	27.0	---	30.0	29.0	---
MEAN	25.0	18.5	13.5	11.0	9.0	16.0	20.5	25.0	29.0	30.0	29.5	27.5
WTR YR 1985	MEAN	21.0		MAX	31.0		MIN	7.0				

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02428401 ALABAMA RIVER BELOW CLAIBORNE LOCK AND DAM, NEAR MONROEVILLE, AL

LOCATION.--Lat 31°36'40", long 87°33'10", in SE¼ sec. 34, T. 8 N., R. 5 E., Monroe County, Hydrologic Unit 03150204, at downstream end of Claiborne lock and dam, 3.4 mi upstream from Flat Creek, 3.7 mi downstream from Silver Creek, 15 mi northwest of Monroeville, and at mile 81.8.

DRAINAGE AREA.--21,473 mi².

PERIOD OF RECORD.--December 1969 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. December 1969 to September 1971 in files of the U.S. Army Corps of Engineers.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1980, datum 8.00 ft lower.

COOPERATION.--Records provided by the U.S. Army Corps of Engineers.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 61.2 ft, Apr. 6, 7, 1976. Mar. 12, 1979; minimum, 7.7 ft, Sept. 20, 21, 28, 1981.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 51.4 ft, Feb. 10; minimum, 15.2 ft, Oct. 4.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.40	22.80	29.20	19.60	23.30	44.30	22.10	19.10	16.70	15.90	37.50	21.50
2	15.50	23.60	27.00	19.90	29.00	44.30	20.00	18.50	16.30	16.20	35.20	19.50
3	15.40	21.80	23.60	20.10	37.60	42.10	19.20	20.30	16.20	16.00	30.80	18.70
4	15.20	20.30	27.70	24.80	41.10	39.40	18.90	25.60	16.30	16.20	27.00	18.00
5	15.40	19.30	34.50	27.80	41.70	36.30	18.70	23.80	16.30	16.10	22.00	18.10
6	15.50	19.90	39.20	28.60	43.80	33.00	18.90	20.50	17.40	16.20	20.40	18.80
7	15.30	21.00	40.80	26.50	47.90	31.30	19.60	19.30	17.80	21.80	19.60	18.80
8	15.40	21.40	39.60	26.50	49.80	30.70	20.20	19.30	17.20	26.00	19.20	18.40
9	15.70	22.50	36.80	26.70	51.10	29.90	20.30	23.30	16.90	19.70	19.10	18.10
10	15.90	21.70	33.70	27.30	51.40	28.10	21.70	26.80	16.80	19.10	19.60	18.00
11	16.90	20.10	32.90	24.30	50.00	25.30	22.60	28.90	17.50	18.60	19.00	17.80
12	19.80	19.50	31.80	22.30	47.10	24.00	23.00	31.40	18.30	20.40	18.60	17.40
13	19.90	19.20	31.60	21.40	44.30	21.90	21.60	30.40	18.30	19.40	18.70	17.10
14	19.10	20.70	29.80	21.40	41.70	25.20	19.90	28.90	17.50	18.30	20.10	17.00
15	19.20	23.00	26.80	21.40	38.90	24.90	19.10	28.80	16.30	17.30	21.00	16.60
16	19.30	23.10	25.00	21.30	37.70	22.40	21.30	28.40	16.10	17.30	21.50	16.50
17	19.20	22.20	21.60	22.00	35.10	21.50	26.40	29.20	16.20	17.90	20.10	16.50
18	20.70	20.30	22.40	25.80	32.60	21.00	29.20	27.30	16.20	17.80	19.10	16.50
19	19.60	19.80	24.50	27.60	30.40	21.00	27.00	21.40	16.70	18.60	18.60	15.70
20	19.10	19.40	24.20	25.10	30.00	20.40	24.00	20.20	17.30	18.10	20.20	16.40
21	18.60	20.00	23.30	22.80	29.80	20.00	20.20	19.20	18.10	17.50	22.30	16.40
22	18.50	21.00	23.10	25.50	29.70	23.20	19.10	19.20	18.40	17.00	21.00	16.50
23	23.20	20.60	22.20	26.20	29.10	26.00	20.60	19.10	17.90	17.10	20.30	16.60
24	23.90	19.60	21.70	24.40	26.00	24.80	21.30	18.60	17.40	17.80	19.20	18.90
25	26.20	18.90	20.40	22.90	24.30	22.50	22.10	18.40	16.70	23.60	18.50	18.50
26	24.30	18.90	19.40	21.30	32.00	26.00	24.30	17.80	16.20	28.00	17.90	17.40
27	22.50	18.90	19.50	20.00	40.90	27.40	20.80	17.40	16.10	28.30	23.40	16.60
28	21.00	20.40	19.50	19.90	43.30	24.50	20.40	17.20	16.30	28.80	26.50	16.30
29	19.70	26.80	22.20	20.10	---	23.50	19.60	17.20	16.10	29.00	27.90	16.30
30	19.70	30.90	21.40	20.00	---	25.00	19.30	17.40	15.70	34.60	27.90	16.10
31	21.00	---	19.80	20.00	---	25.10	---	17.00	---	36.60	25.70	---
MEAN	18.91	21.25	26.94	23.34	37.84	27.58	21.38	22.25	16.91	20.81	22.51	17.50
MAX	26.20	30.90	40.80	28.60	51.40	44.30	29.20	31.40	18.40	36.60	37.50	21.50
MIN	15.20	18.90	19.40	19.60	23.30	20.00	18.70	17.00	15.70	15.90	17.90	15.70
CAL YR 1984	MEAN	28.83	MAX	52.20	MIN	15.20						
WTR YR 1985	MEAN	23.02	MAX	51.40	MIN	15.20						

MOBILE RIVER BASIN

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02429500 ALABAMA RIVER AT CLAIBORNE, AL
(National stream-quality accounting network station)

LOCATION.--Lat 31°32'48", long 87°30'45", in sec. 25, T. 7 N., R. 5 E., Monroe County, Hydrologic Unit 03150204, near left bank on downstream side of bridge on U.S. Highway 84 at Claiborne, 0.5 mi downstream from Limestone Creek, 12 mi west of Monroeville, and at mile 76.1.

DRAINAGE AREA.--21,967 mi².

PERIOD OF RECORD.--March 1966 to September 1968, October 1969 to current year.

PERIOD OF DAILY RECORD.--

CHEMICAL ANALYSES: March 1966 to September 1968.

SPECIFIC CONDUCTANCE: March 1966 to September 1968, May 1974 to September 1981.

WATER TEMPERATURES: March 1966 to September 1968, May 1974 to September 1981.

REVISED RECORD.--WDR AL-84-1: Drainage area.

REMARKS.--Miscellaneous samples of chemical data published for water year 1965. "A specific conductance of 38 microsiemens was observed on Feb. 20, 1980. A temperature of 33°C was observed on Aug. 25, 1980."

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: (Water years 1966-68, 1975-79, 1981). Maximum, 255 microsiemens, Oct. 22, 1977; minimum, 66 microsiemens Mar. 10, 1966.

WATER TEMPERATURES: (Water years 1966-68, 1975-79, 1981). Maximum, 32.5°C, July 21-24, 28, Aug. 16, 17, 1981; minimum, (water years 1967-68, 1975-81), 4.0°C, Jan. 17-18, Feb. 24-25, Mar. 1, 1968.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO ₃)	HARD- NESS, NONCAR- BONATE (MG/L CaCO ₃)	CALCIUM DIS- SOLVED (MG/L Ca)
OCT 18...	1000	12400	137	7.0	24.0	7.1	8.3	98	71	59	42	0	12
DEC 12...	1215	39800	132	7.2	11.5	15	10.0	92	110	K9	44	5	13
FEB 15...	0945	83500	115	6.8	6.5	20	11.5	93	K1100	110	40	7	12
APR 19...	1015	25000	140	6.8	19.0	18	8.8	94	31	14	47	4	14
JUN 12...	0945	14500	167	7.5	28.0	8.0	8.3	106	68	61	52	0	15
AUG 13...	1215	14600	171	7.1	31.0	4.0	8.6	117	K8	170	57	0	16

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CaCO ₃)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT 18...	2.8	9.3	32	0.7	1.6	41	7.9	9.1	8.6	<.10	6.2	86
DEC 12...	2.9	6.6	23	.4	1.9	39	4.8	9.4	7.0	<.10	6.3	75
FEB 15...	2.5	5.3	22	.4	1.4	33	10	8.9	5.5	<.10	6.3	74
APR 19...	2.9	8.1	26	.5	1.7	43	13	10	8.6	<.10	5.7	82
JUN 12...	3.5	11	31	.7	1.7	51	3.1	12	12	.20	4.7	105
AUG 13...	4.0	11	29	.7	1.8	60	9.2	11	9.2	.10	5.3	107

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)
OCT 18...	75	0.12	2880	0.12	0.040	0.05	0.60	--	0.010	0.030	0.09
DEC 12...	71	.10	8060	.17	<.010	.01	.30	--	.080	.050	.15
FEB 15...	62	.10	16700	.23	.080	.10	.50	--	.020	.040	.12
APR 19...	77	.11	5530	.20	.230	.30	1.8	--	<.010	.020	.06
JUN 12...	91	.14	4110	--	--	--	.50	--	<.010	--	--
AUG 13...	95	.15	4220	<.10	.020	.03	.70	0.18	.040	.010	.03

MOBILE RIVER BASIN

02429500 ALABAMA RIVER AT CLAIBORNE, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

	DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)		
	OCT 18...	30	<1	35	0.0	<1	<1	<3	1	24		
	FEB 15...	80	<1	28	<.5	6	16	<3	4	98		
	APR 19...	30	<1	32	.7	<1	1	<3	2	130		
	AUG 13...	40	1	41	<.5	<1	<1	<3	4	48		
	DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
	OCT 18...	6	4	9	<.1	<10	5	<1	<1	58	<6	5
	FEB 15...	2	<4	9	.1	<10	2	<1	<1	49	<6	17
	APR 19...	1	7	7	.1	<10	1	<1	<1	60	<6	4
	AUG 13...	<1	4	5	.1	<10	3	<1	<1	60	<6	6
	DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)	SEDI- MENT, SUS- PENDEDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
	OCT 18...	--	--	--	--	--	--	--	--	14	469	95
	DEC 12...	--	--	--	--	--	--	--	--	20	2150	91
	FEB 15...	--	--	--	--	--	--	--	--	48	10800	87
	APR 19...	<1.6	0.7	2.8	0.8	2.4	0.7	0.07	0.06	29	1960	93
	JUN 12...	--	--	--	--	--	--	--	--	27	1060	87
	AUG 13...	<1.3	.6	2.4	<.4	1.9	<.4	.06	.09	16	631	98

MOBILE RIVER BASIN

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02442500 LUXAPALLILA CREEK AT MILLPORT, AL

LOCATION.--Lat 33°34'01", long 88°05'00", in SW¼ sec. 14, T. 17 S., R. 15 W., Lamar County, Hydrologic Unit 03160105, near left bank on downstream side of bridge on State Highway 17, 0.20 mi downstream from Driver Creek, 1.0 mi north of Millport, and at mile 31.6.

DRAINAGE AREA.--247 mi².

PERIOD OF RECORD.--August 1954 to September 1959; December 1980 to current year.

REVISED RECORDS.--WDR AL-82-1: 1981. WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 243.65 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 22, 23, Nov. 29 to Dec. 10, Jan. 31, Feb. 1, and July 14, 15. Records good except for periods of estimated record, which are fair. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--9 years (water years 1955-59, 1982-85), 388 ft³/s, 21.33 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,300 ft³/s, Dec. 3, 1983, gage height, 13.74 ft; minimum, 34 ft³/s, Sept. 15, 16, 20, 21, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	1415	5,010	11.54	May 3	0630	*5,630	*11.97
Feb. 1	1330	4,120	10.67				

Minimum discharge, 79 ft³/s, Oct. 1, 2, 3, 4, 5, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	166	750	543	3550	396	352	2360	132	145	153	149
2	80	260	700	411	1360	383	271	5350	129	146	147	143
3	81	225	800	324	730	352	247	3810	126	124	137	152
4	81	195	620	363	581	342	236	854	123	166	135	145
5	80	185	550	303	2120	410	304	585	114	132	127	140
6	81	171	480	275	1530	333	583	454	107	193	389	137
7	81	166	420	263	802	308	354	373	116	228	319	137
8	87	163	380	249	614	299	293	445	149	137	181	140
9	112	161	340	238	531	291	261	438	119	122	153	335
10	95	220	320	263	479	279	243	456	746	111	139	175
11	92	375	311	274	2010	270	234	428	314	105	131	148
12	89	221	296	239	1370	261	225	321	304	121	127	138
13	88	195	286	230	788	247	222	270	175	109	121	132
14	87	184	275	229	633	243	312	242	145	105	120	129
15	103	188	257	221	537	238	621	223	133	105	121	126
16	99	367	253	232	470	231	390	204	129	104	221	126
17	224	252	247	650	431	228	307	191	123	123	626	125
18	154	224	252	429	394	215	270	185	571	103	247	123
19	115	346	241	340	373	212	241	177	338	98	181	122
20	182	269	237	295	364	210	222	169	190	97	449	121
21	365	226	235	252	339	219	209	170	154	97	413	120
22	800	210	292	250	320	296	200	242	140	101	209	120
23	1000	204	252	258	310	262	195	179	131	115	173	281
24	542	199	241	262	472	251	1210	167	166	109	208	327
25	322	194	246	253	661	228	715	157	139	164	375	179
26	241	188	234	232	737	213	441	151	123	160	280	160
27	205	1670	222	226	514	215	385	145	140	616	215	149
28	208	4520	218	268	429	237	385	140	141	410	185	143
29	206	1100	217	254	---	226	296	142	131	241	169	141
30	184	850	215	321	---	218	254	140	124	188	160	143
31	174	---	213	1000	---	400	---	135	---	201	154	---
TOTAL	6339	13894	10600	9947	23449	8513	10478	19303	5672	4976	6765	4706
MEAN	204	463	342	321	837	275	349	623	189	161	218	157
MAX	1000	4520	800	1000	3550	410	1210	5350	746	616	626	335
MIN	80	161	213	221	310	210	195	135	107	97	120	120
CFSM	.83	1.87	1.38	1.30	3.39	1.11	1.41	2.52	.77	.65	.88	.64
IN.	.95	2.09	1.60	1.50	3.53	1.28	1.58	2.91	.85	.75	1.02	.71

CAL YR 1984	TOTAL	162923	MEAN	445	MAX	4950	MIN	78	CFSM	1.80	IN.	24.54
WTR YR 1985	TOTAL	124642	MEAN	341	MAX	5350	MIN	80	CFSM	1.38	IN.	18.77

MOBILE RIVER BASIN

02444160 TOMBIGBEE RIVER AT ALICEVILLE LOCK AND DAM, NEAR PICKENSVILLE, AL

LOCATION.--Lat 33°12'38", long 88°17'19", in NW¼ sec. 26, T. 21 S., R. 17 W., Pickens County, Hydrologic Unit 03160106, near left bank at dam, 2 mi southwest of Pickensville, 10 mi northwest of Aliceville, and at mile 287.7.

DRAINAGE AREA.--5,750 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 100.00 ft above National Geodetic Vertical Datum of 1929 (levels by the U.S. Army Corps of Engineers).

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

AVERAGE DISCHARGE.--5 years, 9,602 ft³/s, 22.68 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 130,000 ft³/s, May 23, 1983; maximum gage height, 41.95 ft, May 24, 1983; minimum daily, 196 ft³/s, Oct. 22, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 59,400 ft³/s, May 4; maximum gage height, 36.65 ft, May 6, caused by unusual gate operation; minimum daily, 234 ft³/s, Oct. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	297	3040	18100	5240	30600	13300	12200	18500	3290	2640	844	1830
2	328	8180	18100	4990	27500	8950	9450	39700	730	1710	4080	629
3	615	6480	21300	4690	21200	7150	7540	45600	1630	2290	2680	1900
4	908	5140	14800	5530	16900	7470	4620	55900	1380	912	1710	1610
5	234	4390	13500	5440	21400	6270	5680	51400	889	1700	1340	2820
6	379	4980	11400	4530	35700	5680	7260	29300	1570	2010	1590	1870
7	317	1160	8890	4710	32700	5080	5580	14400	2080	2490	3670	1980
8	297	2380	6900	4480	25600	6090	6080	12000	1550	2070	2240	1030
9	1460	1860	5220	4490	23900	4070	4580	21000	1030	912	2260	7540
10	825	3220	4890	4110	23100	4900	3830	12800	4020	1690	767	4150
11	298	3680	5440	4950	34800	4380	4050	9730	2460	797	2070	3990
12	1230	3570	4890	3530	50900	4550	4190	9580	5680	2320	1310	1420
13	945	3300	4660	2610	45600	3450	3340	7050	4600	1480	1230	1570
14	424	2720	3740	2440	38700	4580	4190	5720	3140	639	1440	1300
15	376	2980	4250	3730	32800	2770	4950	4960	1730	1470	1750	1380
16	813	3990	3540	4510	24200	3130	6320	3830	3320	3580	3020	916
17	2630	3120	3720	19400	15600	3990	5800	3530	1670	1410	13300	1000
18	2030	4240	4580	15200	11400	2900	5600	2940	9820	1630	8130	808
19	1600	10600	3930	13000	8710	3150	3870	2600	9040	1710	6330	767
20	1920	9120	3720	12100	8840	2840	3210	3720	5540	1820	5860	1570
21	5360	7220	3800	6780	7570	3470	3010	1580	4220	1920	3210	984
22	17200	6170	4070	5390	6690	8510	3390	2880	2580	1130	2080	1410
23	36900	5430	3200	4740	7280	6640	2900	2060	2460	876	2820	1770
24	37800	4420	4240	4310	15200	6290	15000	2920	3170	3220	2190	2920
25	32500	3460	2990	5030	24800	5490	18100	3900	1620	1900	3690	1060
26	23700	2930	4040	4060	24500	5190	10900	1520	1930	3190	5430	1510
27	14200	12100	3450	3970	20800	4130	11200	3690	1960	6130	2810	1800
28	5880	32800	3100	5110	17400	5690	10900	2050	3600	4600	2860	833
29	4830	23200	3830	5570	---	5550	7550	1240	2000	4270	2450	835
30	2910	20100	3170	6380	---	4410	5480	2040	2000	2780	1600	1950
31	3210	---	2980	15700	---	8800	---	2820	---	2970	2300	---
TOTAL	202416	205980	204440	196720	654390	168870	200770	380960	90709	68266	97061	55152
MEAN	6530	6866	6595	6346	23370	5447	6692	12290	3024	2202	3131	1838
MAX	37800	32800	21300	19400	50900	13300	18100	55900	9820	6130	13300	7540
MIN	234	1160	2980	2440	6690	2770	2900	1240	730	639	767	629
CFSM	1.14	1.19	1.15	1.10	4.06	.95	1.16	2.14	.53	.38	.54	.32
IN.	1.31	1.33	1.32	1.27	4.23	1.09	1.30	2.46	.59	.44	.63	.36
CAL YR 1984	TOTAL	3341301	MEAN	9129	MAX	60700	MIN	234	CFSM	1.59	IN.	21.62
WTR YR 1985	TOTAL	2525734	MEAN	6920	MAX	55900	MIN	234	CFSM	1.20	IN.	16.34

MOBILE RIVER BASIN

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Q2444161 TOMBIGBEE RIVER BELOW ALICEVILLE LOCK AND DAM NEAR PICKENSVILLE, AL

LOCATION.--Lat 33°12'37", long 88°17'19", in SE¼NW¼ sec. 26, T. 21 S., R. 17 W., Pickens County, Hydrologic Unit 03160106, on downstream end of lock on left bank, streamward side, at Aliceville Lock and Dam, 2 mi southwest of Pickensville, and 10 mi northwest of Aliceville.

DRAINAGE AREA.--5,750 mi².

PERIOD OF RECORD.--October 1981 to current year.

REMARKS.--Miscellaneous samples of chemical data published for water years 1980 and 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

		STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MP (COLS./ 100 ML)	
NOV											
15...	1115	1350	108	6.7	14.5	55	25	10.4	--	K13	
FEB											
04...	1430	15900	110	6.8	10.0	80	50	15.8	2.3	K490	
MAY											
15...	1100	5860	94	7.1	24.0	75	3.4	8.7	1.2	60	
AUG											
02...	1240	2620	137	6.7	29.5	10	3.1	8.7	1.4	K13	
DATE	100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)	
NOV											
15...	K13	40	10	14	1.2	3.8	16	0.3	2.2	30	
FEB											
04...	--	39	10	14	1.1	2.8	--	.2	--	30	
MAY											
15...	--	37	7	13	1.1	2.6	13	.2	1.6	31	
AUG											
02...	--	--	--	--	--	--	--	--	2.1	38	
DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS P)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	
NOV											
15...	12	9.6	6.3	<.10	7.0	68	62	0.09	248	0.17	
FEB											
04...	9.2	9.9	4.5	<.10	5.4	61	56	.08	2620	.27	
MAY											
15...	4.6	7.5	4.3	.10	7.0	62	56	.08	981	.08	
AUG											
02...	15	8.8	13	.10	--	82	--	.11	580	--	
DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV											
15...	0.030	0.20	0.110	2.2	2.3	2.5	11	0.080	0.010	220	7
FEB											
04...	.030	.30	.090	.51	.60	.90	4.0	.160	.020	49	8
MAY											
15...	.020	.10	<.010	--	.60	.70	3.1	.040	<.010	480	2
AUG											
02...	.020	<.10	<.010	--	.50	--	--	<.010	<.010	--	--

MOBILE RIVER BASIN

02446500 SIPSEY RIVER NEAR ELROD, AL

LOCATION.--Lat 33°15'25", long 87°46'35", in NE¼ sec. 3, T. 21 S., R. 12 W., Tuscaloosa County, Hydrologic Unit 03160107, on left bank at downstream side of bridge on State Highway 140, 0.2 mi upstream from Gulf, Mobile & Ohio Railroad bridge, 1.0 mi east of Elrod, 2.0 mi downstream from Box Creek, and at mile 50.7.

DRAINAGE AREA.--528 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to March 1932, October 1939 to September 1971, October 1978 to current year.

REVISED RECORDS.--WSP 1434: 1929. WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 197.81 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 31, 1932, nonrecording gage at railroad bridge 0.2 mi downstream from present site at datum 1.93 ft higher. Nov. 1 to Dec. 11, 1939, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report. U.S. Army Corps of Engineers telemeter at station.

AVERAGE DISCHARGE.--42 years (water years 1929-31, 1940-71, 1979-85), 792 ft³/s, 20.37 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,800 ft³/s, Feb. 23, 1961, gage height, 18.83 ft; minimum, 12 ft³/s, Sept. 20, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 2	2300	5,900	14.72	May 5	2000	*7,800	*15.10
Feb. 6	1000	5,120	14.53				

Minimum discharge, 55 ft³/s, Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	56	622	748	376	1180	1160	524	760	204	184	656	349	
2	56	493	2640	379	2010	1240	511	763	200	169	712	290	
3	57	479	5110	425	1890	1200	543	987	188	181	775	257	
4	57	465	3740	539	2080	1080	582	1490	174	178	748	239	
5	58	465	2950	618	3940	987	558	5190	160	191	551	228	
6	61	458	2410	665	4980	903	550	6380	148	282	379	217	
7	61	413	2110	683	4240	814	558	4370	137	400	301	201	
8	61	359	2350	678	3360	746	582	3330	131	401	264	189	
9	61	314	2400	638	3120	697	622	2750	126	377	365	181	
10	61	287	2030	569	3110	648	648	2020	132	428	497	174	
11	61	305	1650	520	3380	597	641	1480	214	382	577	170	
12	66	297	1320	489	3320	552	579	1140	428	289	640	177	
13	78	333	1080	478	2650	517	504	987	535	224	625	170	
14	86	436	948	475	2260	489	460	947	529	193	441	156	
15	92	481	854	450	2510	464	567	928	434	187	308	145	
16	87	462	760	424	2800	443	655	874	319	174	297	136	
17	99	417	674	497	2690	426	682	758	260	156	502	127	
18	140	405	601	540	2220	407	722	625	273	146	581	120	
19	179	494	538	581	1810	390	763	509	518	139	562	115	
20	198	563	498	634	1410	375	748	430	516	146	600	111	
21	208	544	470	677	1110	368	654	392	518	165	674	108	
22	281	526	466	721	965	393	527	403	485	152	764	107	
23	352	533	469	751	878	421	441	413	364	133	820	124	
24	456	503	470	702	880	466	481	413	268	123	756	212	
25	538	445	478	620	1000	511	631	382	216	119	676	227	
26	574	400	462	568	1130	519	660	340	187	116	620	263	
27	612	395	440	536	1140	481	697	315	183	154	551	260	
28	664	547	417	519	1120	447	779	277	180	368	537	211	
29	706	612	403	495	---	427	862	247	222	475	532	174	
30	746	668	391	485	---	416	841	230	215	537	515	161	
31	761	---	381	655	---	453	---	215	---	596	432	---	
TOTAL	7573	13721	40258	17387	63183	19037	18572	40345	8464	7765	17258	5599	
MEAN	244	457	1299	561	2257	614	619	1301	282	250	557	187	
MAX	761	668	5110	751	4980	1240	862	6380	535	596	820	349	
MIN	56	287	381	376	878	368	441	215	126	116	264	107	
CFSM	.46	.87	2.46	1.06	4.27	1.16	1.17	2.46	.53	.47	1.05	.35	
IN.	.53	.97	2.84	1.22	4.45	1.34	1.31	2.84	.60	.55	1.22	.39	
CAL YR 1984	TOTAL	338286		MEAN	924	MAX	5660	MIN	55	CFSM	1.75	IN.	23.83
WTR YR 1985	TOTAL	259162		MEAN	710	MAX	6380	MIN	56	CFSM	1.34	IN.	18.26

MOBILE RIVER BASIN

02446500 SIPSEY RIVER NEAR ELROD, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1980 to September 1983, October 1984 to current year.

REMARKS.--Miscellaneous samples of chemical data published for water years 1965-1968, 1972, 1979, and 1984.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MP (COLS./ 100 ML)
OCT											
01...	1000	52	66	--	--	--	--	--	--	--	--
NOV											
16...	1130	463	150	6.3	11.5	28	10	9.7	--	--	260
19...	0915	475	120	--	11.0	--	--	--	--	--	--
DEC											
19...	0930	536	86	--	13.0	--	--	--	--	--	--
JAN											
28...	1125	513	81	--	3.0	--	--	--	--	--	--
FEB											
04...	1000	1820	51	5.5	1.0	40	10	12.4	--	1.0	K390
MAR											
13...	0940	501	71	--	16.0	--	--	--	--	--	--
APR											
22...	1100	547	91	--	21.00	--	--	--	--	--	--
MAY											
15...	0815	936	93	6.7	23.0	40	70	5.8	--	1.0	58
JUN											
04...	1130	170	111	--	26.0	--	--	--	--	--	--
JUL											
15...	1135	178	115	--	27.0	--	--	--	--	--	--
30...	0930	532	97	6.8	25.0	50	15	6.0	73	.7	150
AUG											
26...	1200	610	107	--	24.0	--	--	--	--	--	--

DATE	STREP- TOCOC- FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY LAB (MG/L AS CACO3)
NOV										
16...	80	58	39	11	7.4	2.5	8	0.1	1.8	19
FEB										
04...	--	12	6	2.2	1.6	1.4	18	.2	1.1	6
MAY										
15...	--	35	19	6.7	4.4	1.9	10	.1	1.5	18
JUL										
30...	--	--	--	--	--	--	--	--	1.9	13

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-PT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
NOV										
16...	18	40	2.9	<.10	7.4	88	85	0.12	110	<.010
FEB										
04...	37	9.8	2.5	<.10	5.4	36	28	.05	177	<.010
MAY										
15...	6.2	21	2.3	.10	6.4	56	55	.08	142	<.010
JUL										
30...	4.9	26	1.1	<.10	--	64	--	.09	92	<.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
NOV						
16...	<.10	0.090	0.61	0.70	--	0.020
FEB						
04...	<.10	<.010	--	.40	--	.040
MAY						
15...	<.10	.030	.67	.70	--	<.010
JUL						
30...	.20	.010	.29	.30	0.50	.010

MOBILE RIVER BASIN

02446500 SIPSEY RIVER NEAR ELROD, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

		ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)		CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)		CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)		CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CO)		COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)		COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)					
DATE																	
NOV 16...		--		--		--		--		--		--					
FEB 04...		--		--		--		--		--		--					
MAY 15...		--		--		--		--		--		--					
JUL 30...		<1		<1		6		<1		2		<10 7					
DATE		COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)		IRON, DIS- SOLVED (UG/L AS FE)		LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)		MANGA- NESE, DIS- SOLVED (UG/L AS MN)		MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)		NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)		ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)			
NOV 16...		--		180		--		--		190		--		--			
FEB 04...		--		500		--		--		4		--		--			
MAY 15...		--		570		--		--		170		--		--			
JUL 30...		<1		--		5		<10		--		<.1 0.03		9 <10 10			
DATE		ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)		PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)		PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/L)		ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)		CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)		DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)		DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)			
JUL 30...		5		<.1		<1.0		<.1		<1		<.010		0.3 <.010 0.1			
DATE		DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)		DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)		ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)		ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)		HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)		HEPTA- CHLOR TOT. IN EPOXIDE BOTTOM MATERIAL (UG/L)		LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)			
JUL 30...		<.010		<.1		<.010		<.1		<.010		<.1		<.010			
DATE		LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)		METH- OXY- CHLOR, TOT. IN BOTTOM MATERIAL (UG/L)		TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)		2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)		2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/L)		2,4-DP TOTAL IN BOT- TOM MA- TERIAL (UG/L)		MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)		PER- THANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	
JUL 30...		<.1		<.01		<.1		<1		0.06		<.01		<.01		<1.00	

MOBILE RIVER BASIN

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02447025 TOMBIGBEE RIVER AT GAINESVILLE LOCK AND DAM, NEAR GAINESVILLE, AL

LOCATION.--Lat 32°50'53", long 88°09'22", in N½ sec. 36, T. 22 N., R. 2 W., Greene County, Hydrologic Unit 03160106, near left bank at dam, 1.0 mi downstream from Turkey Paw Branch, 1.8 mi north of Gainesville, 2.4 mi upstream from Noxubee River, and at mile 238.6.

DRAINAGE AREA.--7,230 mi².

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

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 65.00 ft above National Geodetic Vertical Datum of 1929 (levels by the U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharges. Records fair except those below 700 ft³/s, which are poor.

AVERAGE DISCHARGE.--7 years, 13,290 ft³/s, 24.96 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 134,000 ft³/s, May 25, 1983; maximum gage height, 55.74 ft, Apr. 15, 1979; minimum daily, 93 ft³/s, Oct. 6, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 61,700 ft³/s, May 5, gage height, 44.20 ft; minimum daily, 93 ft³/s, Oct. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	244	3890	20800	6030	32400	19000	13800	13400	3420	2900	1280	3460	
2	299	8660	19200	5660	38500	12600	9950	33100	1620	2210	5190	560	
3	642	7570	23500	5480	28600	10300	8480	43100	2380	2160	3530	2150	
4	654	7010	19200	6360	24100	9420	6350	52800	630	1540	2780	2270	
5	1340	4640	16700	6290	27800	9540	6530	59900	1740	2240	2240	2370	
6	93	4920	16200	4730	41600	8460	6970	48400	855	2440	2220	2480	
7	149	2700	13100	6320	44700	6830	7560	25100	2300	2720	4440	2910	
8	193	2390	10900	4510	38600	6370	6290	16800	1750	2650	2430	478	
9	1340	2250	8620	6080	32700	6450	6640	23300	1230	800	2260	7260	
10	1320	4380	8100	4480	29900	6610	3410	20700	5830	1960	1530	5450	
11	226	3320	6970	5980	35600	5550	5590	16300	4810	1460	3210	3660	
12	1070	4000	5630	4360	53600	6140	4920	13400	8320	2360	1600	1780	
13	580	3220	7460	4000	58300	3620	3670	9940	5560	1960	1130	1480	
14	564	3550	5880	1890	50900	5700	5330	9110	5180	1100	2190	1330	
15	613	2730	5530	5400	44700	4000	7080	7170	2680	1920	2900	1610	
16	914	5280	5210	4890	34700	3180	7490	4620	3850	3950	2570	1140	
17	2630	3580	5420	14700	23200	5400	6970	4570	2730	2570	12700	600	
18	2370	4720	5420	19700	15100	3440	7300	4510	9280	2130	9370	1400	
19	1270	9340	5360	13800	13200	3890	5630	3670	11500	2260	7300	415	
20	2460	11100	3750	14100	11800	3320	3150	3340	7130	1870	6900	1970	
21	6210	8190	4680	8760	11700	4770	4440	3710	6080	2320	3700	936	
22	11700	6820	4560	5340	8510	8510	4980	2840	4530	1430	2150	1440	
23	33100	5810	3990	6550	9470	8490	3480	3310	2810	839	4240	2440	
24	38300	5180	4080	4570	15500	7590	12600	1940	4930	3270	3060	3000	
25	38400	4000	4530	6640	29500	5610	22300	5880	2260	3020	4180	517	
26	26100	3580	4960	4710	31200	6730	13700	1820	1460	4360	6620	2330	
27	18900	9200	4340	5160	27700	5080	13100	4230	2390	5090	4260	1950	
28	7720	30700	3460	5860	23800	6080	12300	1320	4330	6080	3540	982	
29	5230	29200	4370	6520	---	5950	9610	1700	2160	3830	3260	920	
30	3420	22200	3190	6810	---	6140	7040	2120	2010	4240	2000	1860	
31	3240	---	4220	17000	---	7340	---	3610	---	3620	2410	---	
TOTAL	211291	224130	259330	222680	837380	212110	236660	445710	115755	81299	117190	61148	
MEAN	6816	7471	8365	7183	29910	6842	7889	14380	3859	2623	3780	2038	
MAX	38400	30700	23500	19700	58300	19000	22300	59900	11500	6080	12700	7260	
MIN	93	2250	3190	1890	8510	3180	3150	1320	630	800	1130	415	
CFSM	.94	1.03	1.16	.99	4.14	.95	1.09	1.99	.53	.36	.52	.28	
IN.	1.09	1.15	1.33	1.15	4.31	1.09	1.22	2.29	.60	.42	.60	.31	
CAL YR 1984	TOTAL	4121123		MEAN	11260	MAX	67900	MIN	93	CFSM	1.56	IN.	21.20
WTR YR 1985	TOTAL	3024683		MEAN	8287	MAX	59900	MIN	93	CFSM	1.15	IN.	15.56

MOBILE RIVER BASIN

02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION (revised).--Lat 32°55'57", long 88°17'52", in NE¼ sec. 33, T. 23 N., R. 3 W., Sumter County, Hydrologic Unit 03160108, near right bank on downstream side of bridge on State Highway 17, 0.1 mi upstream from Woodward Creek, 2.1 mi upstream from St. Louis-San Francisco Railroad bridge, 5 mi north of Geiger, and at mile 16.9.

DRAINAGE AREA.--1,097 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1939 to September 1940, July 1944 to September 1965, October 1965 to September 1966 (gage heights only), October 1966 to current year. (Monthly discharge only for period October to December 1966.)

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 86.08 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi downstream at datum 1.44 ft lower. July 26, 1944 to June 5, 1949, nonrecording gage at present site and datum. June 6, 1949 to Sept. 30, 1984, at site on old river channel 1 mi south at same datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

REMARKS.--Estimated daily discharges: May 27 to June 6. Water-discharge records fair except those for period of estimated record, which are poor. Discharge includes flow of old river channel at bridge on State Highway 17, 1 mi south of gage.

AVERAGE DISCHARGE.--41 years (water years 1940, 1945-65, 1967-85), 1,607 ft³/s, 19.89 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 156,000 ft³/s, Apr. 14, 1979, gage height, 48.58 ft; minimum, 13 ft³/s, July 7, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,880 ft³/s, Feb. 6, gage height, 32.23 ft; minimum, 80 ft³/s, Oct. 2, 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	83	218	6280	464	7090	3700	465	915	170	114	412	226	
2	82	371	4520	1160	8300	3260	625	3110	190	122	375	227	
3	80	915	2380	815	7790	3150	645	4450	170	121	447	219	
4	82	883	1980	644	7140	2620	743	4790	155	127	326	220	
5	82	670	1770	617	7760	1690	721	3930	145	107	303	213	
6	82	613	1830	534	9690	1190	818	2560	135	104	293	205	
7	82	502	1630	475	8880	958	756	2130	114	102	279	207	
8	83	369	1180	418	7800	816	701	1760	110	98	253	210	
9	86	284	922	384	6810	722	526	1920	107	94	251	196	
10	89	233	789	353	5680	653	485	2120	180	93	257	191	
11	102	275	672	330	5770	604	432	1480	332	121	236	194	
12	116	441	583	321	8060	561	375	1080	127	97	217	207	
13	115	418	506	316	7530	526	341	861	122	92	207	201	
14	119	258	464	301	6530	492	370	678	121	105	207	191	
15	121	214	441	285	5210	458	648	553	106	113	201	185	
16	116	264	409	275	3710	429	1150	459	134	105	246	179	
17	113	430	365	620	3090	421	1400	390	131	133	936	178	
18	109	397	355	1660	2760	416	1140	335	471	104	529	178	
19	113	382	603	1650	1860	388	959	301	455	102	398	175	
20	139	428	570	1310	1100	362	886	277	200	102	325	170	
21	192	505	526	1230	847	356	687	270	236	97	346	167	
22	229	363	454	1020	718	411	536	268	226	96	745	166	
23	591	280	550	735	639	378	439	275	156	93	488	172	
24	862	226	631	578	2180	410	1230	274	139	130	331	176	
25	877	200	515	479	5010	427	2190	275	127	2340	292	178	
26	877	188	423	435	6280	484	2310	244	116	1380	335	211	
27	866	417	379	409	5920	454	1800	215	113	690	382	221	
28	669	4320	346	406	4920	422	1980	210	121	531	314	187	
29	455	6110	321	495	---	413	1590	200	140	489	249	202	
30	340	6430	306	673	---	408	1030	190	137	613	235	245	
31	277	---	297	2210	---	426	---	180	---	504	228	---	
TOTAL	8229	27604	32997	21602	149074	28005	27978	36700	5186	9119	10643	5897	
MEAN	265	920	1064	697	5324	903	933	1184	173	294	343	197	
MAX	877	6430	6280	2210	9690	3700	2310	4790	471	2340	936	245	
MIN	80	188	297	275	639	356	341	180	106	92	201	166	
CFSM	.24	.84	.97	.64	4.85	.82	.85	1.08	.16	.27	.31	.18	
IN.	.28	.94	1.12	.73	5.06	.95	.95	1.24	.18	.31	.36	.20	
CAL YR 1984	TOTAL	548507		MEAN	1499	MAX	10900	MIN	80	CFSM	1.37	IN.	18.60
WTR YR 1985	TOTAL	363034		MEAN	995	MAX	9690	MIN	80	CFSM	.91	IN.	12.31

MOBILE RIVER BASIN

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02448500 NOXUBEE RIVER NEAR GEIGER, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1976 to September 1982, October 1984 to current year.

REMARKS.--Miscellaneous samples of chemical data published for years 1967-68, 1972-76, 1983-84.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, 0.7 UM-MF (COLS./ 100 ML)
OCT 02...	1410	80	155	--	13.0	--	--	--	--	--	--
NOV 15...	1500	206	99	6.7	12.5	120	100	10.2	--	--	690
DEC 20...	0945	688	240	--	15.0	--	--	--	--	--	--
JAN 31...	1200	1490	205	--	6.0	--	--	--	--	--	--
FEB 05...	0845	7580	114	6.6	2.0	80	60	12.6	--	1.5	K580
MAR 14...	1030	501	230	--	16.0	--	--	--	--	--	--
APR 25...	1040	2220	145	--	18.0	--	--	--	--	--	--
MAY 15...	1345	1050	145	7.8	24.0	75	55	7.0	--	.8	K500
JUN 06...	1000	125	186	--	28.0	--	--	--	--	--	--
JUL 16...	1350	102	178	--	28.0	--	--	--	--	--	--
AUG 07...	0815	293	172	7.8	27.0	30	35	6.2	91	.9	K48
27...	1545	409	170	--	26.0	--	--	--	--	--	--

DATE	STREP- TOCOCCI PECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)
NOV 15...	830	36	8	12	1.4	3.7	17	0.3	1.9	28
FEB 05...	--	44	11	15	1.5	3.3	--	.2	--	33
MAY 15...	--	57	10	19	2.2	5.4	17	.3	1.5	47
AUG 07...	--	--	--	--	--	--	--	--	2.1	69

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)
NOV 15...	11	12	4.4	<.10	7.7	72	60	0.10	40	0.18
FEB 05...	16	13	4.0	<.10	6.0	80	--	.11	1640	.17
MAY 15...	1.4	16	5.3	.10	11	93	89	.13	264	--
AUG 07...	2.1	7.5	4.1	.10	--	104	--	.14	82	.17

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 15...	0.020	0.20	<.010	--	0.90	1.1	4.9	0.060	0.020	150	22
FEB 05...	.030	.20	.050	0.55	.60	.80	3.5	.160	.040	83	2
MAY 15...	--	--	--	--	--	--	--	.000	<.010	430	3
AUG 07...	.030	.20	.050	.35	.40	.60	2.7	.050	.020	--	--

MOBILE RIVER BASIN

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL
(National stream-quality accounting network station)

LOCATION.--Lat 32°49'30", long 88°09'24", in SE¼ sec. 2, T. 21 N., R. 2 W., Sumter County, Hydrologic Unit 03160106, near right bank on downstream side of bridge on State Highway 39 at Gainesville, 2 mi downstream from Noxubee River, and at mile 234.4.

DRAINAGE AREA.--8,632 mi².

PERIOD OF RECORD.--October 1962 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1971 to current year.

WATER TEMPERATURES: October 1962 to current year.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (water years 1975, 1977-84): Maximum, 233 microsiemens, Aug. 28, 1977; minimum, 28 microsiemens, Apr. 16, 1979.

WATER TEMPERATURES: Maximum (water years 1962-69, 1971-79, 1981-84), 35.0°C July 25, 1972; minimum, 0°C Dec. 31, 1983, Jan. 1, 4, 1984.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 192 microsiemens, Oct. 24; minimum, 73 microsiemens, Dec. 13, 14, 17.

WATER TEMPERATURES: Maximum, 30.5°C, July 18-22; minimum, 2.0°C, Feb. 4-9.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /s)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO ₃)
OCT													
09...	1130	265	148	7.2	20.0	--	10	7.8	86	--	K13	K13	54
NOV													
09...	1015	9500	92	6.9	18.0	55	20	9.0	95	--	34	K20	33
DEC													
10...	1115	9200	88	6.8	8.0	--	15	12.8	108	--	70	K34	33
JAN													
09...	1000	5300	125	6.3	10.0	--	13	12.0	105	--	60	K11	44
FEB													
06...	1215	55100	118	6.9	2.0	80	85	14.4	104	1.9	370	K18000	47
MAR													
19...	1100	5700	108	7.6	16.0	--	15	10.2	102	--	K11	K5	39
APR													
09...	1115	3300	140	7.7	18.5	--	6.0	10.2	107	--	55	K6	53
MAY													
14...	1020	10900	90	6.9	23.0	300	25	8.4	98	1.2	43	26	33
JUN													
10...	1000	9400	120	6.8	28.0	--	1.1	8.1	103	--	K75	K20	47
JUL													
09...	1000	350	146	7.8	28.5	--	3.1	8.6	112	--	K1	K6	52
AUG													
07...	1345	500	127	7.7	30.0	10	7.0	8.8	117	1.0	K20	K13	48
SEP													
04...	1030	450	144	7.4	27.5	--	6.0	8.5	107	--	K40	K13	50

MOBILE RIVER BASIN

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02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 09...	8	19	1.6	5.5	18	0.3	1.5	46	5.6	7.3	7.6
NOV 09...	8	11	1.3	2.8	15	.2	2.1	25	6.1	9.1	4.3
DEC 10...	10	11	1.3	2.4	13	.2	1.9	23	7.1	12	4.3
JAN 09...	10	15	1.6	5.3	20	.4	1.7	34	33	11	7.3
FEB 06...	13	17	1.0	2.5	10	.2	1.6	34	8.3	10	3.8
MAR 19...	6	13	1.5	3.3	15	.2	1.3	33	1.6	10	4.9
APR 09...	10	18	1.8	4.9	16	.3	1.7	43	1.7	13	7.4
MAY 14...	8	11	1.3	2.5	14	.2	1.6	25	6.1	9.1	10
JUN 10...	4	16	1.6	3.7	14	.2	1.6	43	13	10	5.1
JUL 09...	9	18	1.6	5.2	17	.3	2.0	43	1.3	8.9	8.4
AUG 07...	13	16	1.8	4.6	17	.3	1.9	35	1.3	9.7	8.7
SEP 04...	0	17	1.9	5.1	17	.3	2.0	52	4.0	9.8	7.6
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 09...	0.10	4.5	89	75	0.12	64	--	--	--	<.10	--
NOV 09...	<.10	6.2	--	52	.07	1350	0.17	0.030	0.20	.13	0.290
DEC 10...	<.10	6.6	52	53	.07	1290	--	--	--	<.10	--
JAN 09...	<.10	6.9	--	69	.09	994	--	--	--	.16	--
FEB 06...	<.10	5.1	68	63	.09	10100	.35	.050	.40	.39	.060
MAR 19...	<.10	5.8	79	60	.11	1220	--	--	--	<.10	--
APR 09...	.10	4.7	82	78	.11	731	--	--	--	<.10	--
MAY 14...	.20	7.2	64	58	.09	1880	--	.020	<.10	<.10	<.010
JUN 10...	.20	3.3	82	67	.11	2080	--	--	--	--	--
JUL 09...	.20	2.5	95	73	.13	90	--	--	--	.44	--
AUG 07...	.10	3.0	79	67	.11	107	--	.010	<.10	<.10	.030
SEP 04...	<.10	4.4	76	79	.10	92	--	--	--	<.10	--

MOBILE RIVER BASIN

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

		NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)			
DATE												
OCT	09...	<.010	0.01	--	0.80	--	0.030	<.010	<.010			
NOV	09...	.300	.39	0.21	.50	0.70	.040	<.010	.020			
DEC	10...	.030	.04	--	.50	--	.110	<.010	.040			
JAN	09...	.040	.05	--	.70	--	.070	.050	.080			
FEB	06...	.100	.13	.64	.70	1.1	.150	.060	.070			
MAR	19...	.020	.03	--	.70	--	.110	<.010	<.010			
APR	09...	.170	.22	--	1.1	--	.020	<.010	.010			
MAY	14...	.060	.08	--	1.1	--	.040	<.010	.010			
JUN	10...	--	--	--	1.1	--	.030	<.010	--			
JUL	09...	.120	.15	--	.60	--	.020	.010	<.010			
AUG	07...	.050	.06	.47	.50	--	<.010	<.010	<.010			
SEP	04...	.100	.13	--	.70	--	.030	.020	<.010			
DATE		TIME	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	
OCT	09...	1130	20	<1	29	--	<1	<1	<3	<1	4	
NOV	09...	1015	--	--	--	--	--	--	--	--	210	
FEB	06...	1215	300	<1	21	<.5	<1	<1	<3	4	280	
APR	09...	1115	50	<1	29	.9	<1	2	<3	3	260	
MAY	14...	1020	--	--	--	--	--	--	--	--	470	
AUG	07...	1345	20	<1	28	<.5	<1	3	<3	4	11	
DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	
OCT	09...	6	<4	<1	0.1	<10	4	<1	<1	130	<6	<3
NOV	09...	--	--	6	--	<10	--	--	--	--	--	--
FEB	06...	2	<4	59	<.1	--	3	<1	<1	110	<6	42
APR	09...	5	<4	4	.1	<10	3	<1	<1	120	<6	<3
MAY	14...	--	--	5	--	--	--	--	--	--	--	--
AUG	07...	<1	<4	<1	.1	<10	10	<1	<1	110	<6	<3

MOBILE RIVER BASIN

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02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
09...	1130	265	50	36	94
26...	1430	31500	87	7400	--
NOV					
09...	1015	9500	10	256	85
DEC					
10...	1115	9200	35	869	91
JAN					
09...	1000	5300	19	272	86
FEB					
06...	1040	55100	239	35600	--
06...	1215	55100	266	39600	84
MAR					
19...	1100	5700	24	369	89
APR					
09...	1115	3300	24	214	93
MAY					
03...	1805	51700	260	36300	--
04...	1605	57400	249	36600	--
05...	1600	65300	249	43900	--
06...	1235	54100	113	16500	--
07...	1150	27700	72	5380	--
14...	1020	10900	35	1030	96
JUN					
10...	1000	9400	41	1040	84
JUL					
09...	1000	350	21	20	92
AUG					
07...	1345	500	76	103	41
SEP					
04...	1030	450	14	17	96

MOBILE RIVER BASIN

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	142	136	139	104	89	94	104	98	100	114	102	107
2	140	136	138	112	87	96	119	97	106	155	110	124
3	139	135	137	143	94	101	113	93	99	137	114	125
4	138	135	136	114	94	100	95	88	92	138	114	121
5	136	132	134	130	86	101	95	89	91	133	115	119
6	138	135	136	102	86	92	99	89	93	136	114	121
7	138	135	136	114	87	94	95	88	92	137	115	119
8	138	135	137	105	83	93	92	86	89	155	113	122
9	139	136	137	96	85	90	88	84	86	122	119	120
10	138	136	137	98	84	88	91	80	85	140	115	121
11	138	135	137	93	82	87	110	77	85	121	113	116
12	137	135	136	92	86	89	103	79	86	143	112	119
13	138	135	137	113	88	93	101	73	81	136	113	119
14	138	135	136	103	90	94	98	73	81	140	115	124
15	137	135	136	104	93	97	90	76	82	132	115	120
16	138	134	136	107	98	102	91	76	81	125	116	120
17	148	133	140	117	107	110	100	73	82	122	116	119
18	142	133	136	132	107	113	87	76	82	141	123	135
19	140	135	138	110	101	106	87	80	84	143	138	140
20	146	137	140	113	98	102	105	82	90	156	143	148
21	149	136	140	102	94	97	132	80	94	188	154	158
22	166	141	148	108	97	101	107	82	90	155	149	153
23	187	145	163	116	102	108	125	83	92	151	145	148
24	192	131	165	117	105	109	109	90	101	148	144	146
25	131	101	115	115	105	108	139	86	105	144	138	141
26	101	92	96	120	103	106	116	91	99	138	135	137
27	94	90	92	112	102	105	105	95	102	136	134	135
28	97	91	93	142	112	132	113	95	104	140	129	133
29	100	90	94	129	106	114	139	95	106	142	126	131
30	103	93	97	106	104	105	116	98	106	144	125	131
31	110	93	99	---	---	---	129	100	108	144	123	134
MONTH	192	90	130	143	82	101	139	73	93	188	102	129
	FEBRUARY			MARCH			APRIL			MAY		
1	144	137	140	136	132	134	125	121	123	140	125	130
2	139	133	138	133	127	130	123	116	120	129	120	125
3	133	127	130	129	125	127	120	114	116	152	127	143
4	127	116	120	128	124	126	136	113	120	145	108	130
5	130	116	122	133	123	127	128	114	120	108	75	85
6	124	108	118	131	119	125	135	119	127	82	75	78
7	108	103	104	135	113	121	160	118	129	86	81	84
8	103	98	101	144	111	117	137	132	135	87	81	83
9	100	98	99	140	106	115	142	131	136	101	80	86
10	100	98	100	121	109	114	141	127	132	87	82	85
11	115	99	106	134	109	117	147	120	125	84	79	82
12	116	109	112	130	107	115	142	116	122	89	79	84
13	115	108	113	153	107	120	129	113	118	117	86	92
14	108	97	102	120	108	112	136	110	117	101	85	92
15	98	93	95	131	107	113	169	110	120	101	89	93
16	94	92	93	135	101	110	133	121	126	130	88	101
17	92	90	91	133	104	109	133	120	126	133	92	100
18	93	90	91	139	104	112	131	117	121	127	92	98
19	95	90	92	136	105	113	149	108	119	117	93	99
20	94	88	91	140	106	112	140	111	118	102	94	98
21	91	85	88	116	107	111	142	103	112	131	92	101
22	118	83	93	132	106	113	112	100	104	134	93	102
23	91	85	89	118	107	112	134	98	106	110	95	100
24	133	88	108	120	111	116	128	97	113	147	97	120
25	137	117	129	132	110	119	134	108	124	119	95	100
26	134	125	130	128	110	116	136	127	132	127	99	107
27	136	132	134	131	111	118	132	127	130	115	97	100
28	138	135	137	135	115	117	138	132	136	139	101	113
29	---	---	---	142	114	120	136	125	131	129	97	105
30	---	---	---	123	115	119	133	125	128	131	100	111
31	---	---	---	135	115	123	---	---	---	121	98	104
MONTH	144	83	110	153	101	118	169	97	123	152	75	101

MOBILE RIVER BASIN

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02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	112	100	105	134	110	116	175	149	161	141	132	137
2	131	100	111	139	113	120	163	138	147	147	132	137
3	134	100	116	135	118	124	158	137	147	151	131	141
4	132	107	122	138	124	130	144	127	137	148	130	138
5	131	101	111	134	126	130	138	123	130	145	135	138
6	135	109	121	147	130	137	140	117	127	142	134	136
7	121	104	112	145	135	141	145	112	124	142	130	133
8	124	105	110	151	138	142	144	128	132	135	127	130
9	122	105	112	156	145	151	142	125	129	142	123	127
10	131	105	114	149	141	143	129	121	125	136	122	125
11	147	110	121	150	139	141	146	120	126	130	122	125
12	124	109	114	149	136	140	145	123	127	132	123	125
13	129	112	119	157	133	139	136	125	129	133	124	127
14	121	100	113	161	134	142	138	128	131	132	123	126
15	105	88	94	148	130	135	141	129	136	130	123	125
16	96	81	86	141	123	130	143	128	133	133	124	127
17	106	84	91	131	121	124	141	127	133	129	124	127
18	120	87	98	129	118	123	141	129	136	133	125	127
19	126	103	114	125	116	119	145	131	139	134	127	130
20	125	111	116	121	114	117	137	128	132	135	127	130
21	138	107	114	126	115	118	147	129	133	138	129	131
22	142	107	118	128	114	119	155	130	140	140	131	134
23	120	108	115	124	114	119	149	131	137	142	131	134
24	145	113	120	127	115	119	148	129	137	143	130	135
25	130	115	122	144	108	122	143	127	132	137	130	133
26	146	115	132	141	124	131	134	126	128	141	128	133
27	127	111	119	170	140	153	146	126	131	140	128	133
28	125	107	112	175	140	151	154	126	134	134	126	130
29	131	107	113	175	142	161	145	126	134	135	129	132
30	148	110	119	171	143	154	152	127	139	133	130	132
31	---	---	---	182	147	167	146	129	137	---	---	---
MONTH	148	81	113	182	108	134	175	112	134	151	122	131
YEAR	192	73	118									

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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

MOBILE RIVER BASIN

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02449245 BRUSH CREEK NEAR EUTAW, AL

LOCATION.--Lat 32°49'51", long 87°58'56", in N½ sec. 3, T. 21 N., R. 1 E., Greene County, Hydrologic Unit 03160106, near right bank on downstream side of county highway bridge, 1.3 mi downstream from Pippin Creek, 2.2 mi upstream from Dry Creek, 5.5 mi west of Eutaw, and 7.2 mi upstream from mouth.

DRAINAGE AREA.--43.2 mi².

PERIOD OF RECORD.--October 1970 to May 1975 (peak discharge only). June 1975 to current year.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 105.92 ft above National Geodetic Vertical Datum of 1929. Oct. 5, 1970, to May 31, 1975, crest-stage gage at same site and datum.

REMARKS.-- Estimated daily discharges: May 19 to June 6. Records good except for period of estimated record, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--10 years, 72.1 ft³/s, 22.66 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,560 ft³/s, Apr. 13, 1979, gage height, 22.68 ft, from rating curve extended above 4,600 ft³/s; minimum, 0.02 ft³/s, Nov. 13, 1983.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 5	0800	*1,780	*16.04				

Minimum discharge, 0.09 ft³/s, Oct. 3, 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.10	1.1	13	22	570	137	70	200	13	3.4	2.7	1.9	
2	.10	36	411	34	198	110	37	142	13	3.2	1.8	2.0	
3	.10	19	156	22	97	85	28	65	13	3.0	1.7	2.2	
4	.10	13	62	23	75	76	24	36	13	3.9	1.5	1.8	
5	.10	7.9	132	18	1080	75	32	25	13	6.9	1.6	1.5	
6	.12	4.2	89	14	308	57	106	19	7.0	5.5	1.6	1.3	
7	.13	2.9	43	13	136	50	47	16	1.4	4.2	1.5	1.1	
8	.49	2.3	32	12	93	47	29	17	1.4	3.5	1.3	1.0	
9	.51	1.9	26	11	79	44	23	549	1.7	2.8	.89	1.1	
10	.60	5.2	24	10	69	39	21	125	16	2.4	.67	1.1	
11	.65	4.8	21	10	574	36	18	67	12	2.3	.54	.87	
12	.44	3.7	19	9.4	220	33	17	46	7.4	2.4	.55	.77	
13	.33	2.5	18	8.8	114	30	18	34	3.6	1.9	.55	.67	
14	.27	2.4	17	8.8	88	29	49	27	2.3	1.7	.58	.59	
15	.70	2.0	15	8.6	73	27	188	25	4.0	1.5	.49	.52	
16	.67	4.3	14	8.6	62	25	157	22	3.7	1.5	130	.49	
17	2.3	6.3	14	28	55	26	64	20	2.8	1.5	151	.44	
18	3.3	4.0	13	22	49	23	39	17	253	1.4	20	.41	
19	1.7	13	12	15	47	21	28	15	127	1.3	9.2	.40	
20	.95	9.9	12	12	44	21	22	15	39	1.1	5.7	.35	
21	45	7.0	12	11	39	32	19	14	21	1.1	4.1	.35	
22	68	5.8	12	9.7	35	55	16	14	13	1.1	3.2	.36	
23	20	4.7	12	9.1	34	34	14	14	9.7	1.2	2.5	13	
24	13	3.3	11	11	463	64	168	14	7.8	1.1	2.0	12	
25	6.0	2.7	10	11	1130	35	66	14	6.5	1.0	1.8	3.7	
26	2.9	2.6	9.7	9.4	506	26	39	14	5.5	1.0	2.1	2.2	
27	2.5	41	9.2	8.5	180	24	54	13	4.7	31	3.9	1.4	
28	1.7	55	8.8	18	123	32	32	13	4.2	16	3.0	1.0	
29	1.5	21	9.1	17	---	27	22	13	3.9	5.2	2.4	.76	
30	1.4	17	9.6	49	---	23	17	13	3.6	7.8	2.2	181	
31	1.2	---	9.6	303	---	123	---	13	---	4.8	2.2	---	
TOTAL	176.86	306.5	1256.0	766.9	6541	1466	1464	1631	627.2	126.7	363.27	236.28	
MEAN	5.71	10.2	40.5	24.7	234	47.3	48.8	52.6	20.9	4.09	11.7	7.88	
MAX	68	55	411	303	1130	137	188	549	253	31	151	181	
MIN	.10	1.1	8.8	8.5	34	21	14	13	1.4	1.0	.49	.35	
CFSM	.13	.24	.94	.57	5.42	1.09	1.13	1.22	.48	.09	.27	.18	
IN.	.15	.26	1.08	.66	5.63	1.26	1.26	1.40	.54	.11	.31	.20	
CAL YR 1984	TOTAL	16621.64		MEAN	45.4	MAX	774	MIN	.10	CFSM	1.05	IN.	14.31
WTR YR 1985	TOTAL	14961.71		MEAN	41.0	MAX	1130	MIN	.10	CFSM	.95	IN.	12.88

MOBILE RIVER BASIN

02450000 MULBERRY FORK NEAR GARDEN CITY, AL

LOCATION.--Lat 33°59'42", long 86°44'56", in NE¼ sec. 16, T. 12 S., R. 2 W., Blount County, Hydrologic Unit 03160109, on left bank near downstream side of bridge on U.S. Highway 31 (old), 1,000 ft downstream from Louisville & Nashville Railroad bridge, 1 mi southwest of Garden City, 5.5 mi downstream from Mud Creek, and at mile 79.2.

DRAINAGE AREA.--365 mi².

PERIOD OF RECORD.--June 1928 to current year. Monthly discharge only for period April to June 1932 published in WSP 1304. Prior to 1941, published as "Mulberry Fork of Black Warrior River."

REVISED RECORD.--WDR AL-79-2: Drainage area. WDR AL-82-1: 1974-80 (P).

GAGE.--Water-stage recorder. Datum of gage is 380.54 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 5, 1939, nonrecording gage at same site and datum.

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

AVERAGE DISCHARGE.--57 years, 681 ft³/s, 25.34 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,100 ft³/s, Jan. 3, 1982, gage height, 22.45 ft; maximum gage height, 24.0 ft, Feb. 4, 1936, from floodmarks; minimum observed, 3 ft³/s, Sept. 28-30, Oct. 1, 3-6, 1931, gage height, 1.88 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July 27	1800	*21,000	*14.96				

Minimum discharge, 13 ft³/s, Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	205	1090	377	4240	828	667	203	101	50	941	201
2	15	317	1620	526	3510	798	482	553	91	44	911	170
3	14	374	2200	411	2330	696	416	729	82	83	685	162
4	15	309	1420	463	1740	632	375	467	75	78	525	147
5	16	323	1380	419	4220	708	458	343	69	67	404	132
6	16	282	1380	372	4210	593	1450	280	61	86	339	124
7	15	241	1060	357	2670	509	856	245	56	92	308	114
8	17	217	935	336	1980	476	618	2740	60	72	894	114
9	19	198	831	310	1550	456	487	3630	58	57	362	123
10	112	203	736	301	1290	421	408	2800	74	49	302	117
11	62	253	639	317	2080	399	359	2250	104	44	331	119
12	32	216	568	279	2580	370	321	1490	167	40	237	101
13	23	186	514	253	1900	334	293	1060	143	37	198	88
14	20	171	453	251	1580	309	302	828	95	34	170	81
15	17	176	399	244	1330	293	753	645	74	33	151	74
16	16	282	376	233	1120	270	658	508	65	32	208	69
17	20	260	344	428	984	261	488	416	59	60	2800	66
18	44	227	325	439	868	244	392	359	255	54	1100	67
19	28	297	307	373	806	223	333	307	221	44	624	65
20	90	300	302	343	870	212	294	265	132	36	425	65
21	102	249	291	280	776	215	264	239	97	34	367	63
22	772	228	379	269	673	932	238	226	79	41	296	62
23	868	212	357	280	625	808	219	210	67	181	243	68
24	999	205	306	281	636	660	284	194	60	141	258	182
25	413	193	319	278	829	581	323	177	54	522	694	103
26	265	183	304	253	1230	472	253	157	57	582	964	79
27	208	531	279	228	1000	420	219	138	68	10900	536	70
28	369	4080	268	240	891	415	220	124	56	7260	392	63
29	483	1890	264	264	---	388	225	118	68	4470	313	56
30	311	1310	260	253	---	354	192	130	60	2140	262	53
31	243	---	256	784	---	508	---	112	---	1320	227	---
TOTAL	5640	14118	20162	10442	48518	14785	12847	21943	2708	28683	16467	2998
MEAN	182	471	650	337	1733	477	428	708	90.3	925	531	99.9
MAX	999	4080	2200	784	4240	932	1450	3630	255	10900	2800	201
MIN	14	171	256	228	625	212	192	112	54	32	151	53
CFSM	.50	1.29	1.78	.92	4.75	1.31	1.17	1.94	.25	2.53	1.45	.27
IN.	.57	1.44	2.05	1.06	4.94	1.51	1.31	2.24	.28	2.92	1.68	.31

CAL YR 1984	TOTAL	245516	MEAN	671	MAX	18700	MIN	14	CFSM	1.84	IN.	25.02
WTR YR 1985	TOTAL	199311	MEAN	546	MAX	10900	MIN	14	CFSM	1.50	IN.	20.31

MOBILE RIVER BASIN

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02450180 MULBERRY FORK NEAR ARKADELPHIA, AL

LOCATION.--Lat 33°52'00", long 86°44'56", in NE¼NE¼NE¼ sec. 35, T. 13 S., R. 4 W, Blount County, Hydrologic Unit 03160109, on left bank 200 ft upstream from county road, 4 mi south of Arkadelphia, and at mile 58.6.

DRAINAGE AREA.--487 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 270.23 above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Jan. 20-24, Feb. 5. Records good.

AVERAGE DISCHARGE.--9 years, 886 ft³/s, 24.71 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,300 ft³/s, Apr. 14, 1979, gage height, 39.11 ft; minimum, 13 ft³/s, Aug. 15, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July 28	0830	*13,300	*27.59				

Minimum discharge, 21 ft³/s, Oct. 5, 6, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	23	258	1280	406	3640	1010	835	252	127	96	1170	256	
2	22	318	1190	729	5080	973	682	648	114	73	1020	211	
3	22	502	2490	617	3070	872	600	857	104	64	865	189	
4	22	410	1620	607	1950	790	553	658	95	111	682	172	
5	22	378	1490	608	3950	800	564	486	86	104	554	151	
6	21	365	1500	520	5080	769	1580	377	79	153	456	136	
7	22	305	1270	520	3170	669	1230	456	71	163	397	125	
8	23	268	1090	468	2210	628	906	2560	72	127	767	116	
9	26	242	978	424	1740	610	741	4050	70	96	526	119	
10	27	231	866	400	1470	580	655	3820	215	75	375	115	
11	105	271	771	408	1890	541	593	2710	232	69	398	104	
12	62	295	701	378	3080	517	532	1830	348	88	314	106	
13	39	240	653	345	2160	465	479	1300	239	59	251	85	
14	28	209	591	327	1760	425	452	988	163	51	208	75	
15	25	199	521	324	1510	400	815	790	117	47	180	65	
16	23	282	482	310	1310	374	927	654	98	60	261	59	
17	25	375	445	506	1160	353	739	551	85	54	2670	55	
18	26	304	412	655	1030	335	631	472	164	67	1540	50	
19	42	325	393	569	939	306	541	402	360	62	835	48	
20	40	397	376	520	948	285	467	345	209	51	598	45	
21	107	341	367	468	927	286	410	301	145	43	481	43	
22	126	294	399	412	805	980	357	281	112	41	409	41	
23	1230	267	487	382	747	1200	321	261	94	49	328	50	
24	1120	257	402	398	750	856	333	239	82	204	392	132	
25	667	242	383	400	923	770	467	218	73	368	1110	154	
26	373	226	387	352	1500	662	366	195	69	409	1090	87	
27	272	299	355	312	1290	598	294	173	175	6020	790	66	
28	258	3970	340	308	1110	586	259	156	104	12000	595	58	
29	593	2370	330	337	---	560	274	151	93	6820	451	51	
30	423	1490	328	343	---	510	240	144	94	2580	363	46	
31	317	---	319	841	---	559	---	145	---	1600	298	---	
TOTAL	6131	15930	23216	14194	55199	19269	17843	26470	4089	31804	20374	3010	
MEAN	198	531	749	458	1971	622	595	854	136	1026	657	100	
MAX	1230	3970	2490	841	5080	1200	1580	4050	360	12000	2670	256	
MIN	21	199	319	308	747	285	240	144	69	41	180	41	
CFSM	.41	1.09	1.54	.94	4.05	1.28	1.22	1.75	.28	2.11	1.35	.21	
IN.	.47	1.22	1.77	1.08	4.22	1.47	1.36	2.02	.31	2.43	1.56	.23	
CAL YR 1984	TOTAL	284686		MEAN	778	MAX	13200	MIN	15	CFSM	1.60	IN.	21.75
WTR YR 1985	TOTAL	237529		MEAN	651	MAX	12000	MIN	21	CFSM	1.34	IN.	18.14

MOBILE RIVER BASIN

02450250 SIPSEY FORK NEAR GRAYSON, AL

LOCATION.--Lat 34°17'07", long 87°23'56", in NW¼ sec. 8, T. 9 S., R. 8 W., Winston County, Hydrologic Unit 03160110, Bankhead National Forest, at downstream side of bridge on Cranal Road, 0.5 mi downstream from Borden Creek, 4.5 mi west of Grayson, 14 mi northeast of Haleyville, and 64.1 miles (corrected) upstream from mouth.

DRAINAGE AREA.--92.1 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR AL-79-2: Drainage Area.

GAGE.--Water-stage recorder. Elevation of gage is 540 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to June 29, 1984, at site 400 ft downstream at same datum.

REMARKS.--No estimated daily discharges. Water-discharge records good.

AVERAGE DISCHARGE.--19 years, 173 ft³/s, 25.53 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,300 ft³/s, Mar. 16, 1973, gage height, 44.27 ft; minimum, 1.8 ft³/s, Aug. 19-21, 1972.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	0030	4,940	19.81	May 1	2400	*7,300	*25.00

Minimum daily discharge, 3.2 ft³/s, Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	35	229	448	1080	160	130	3250	17	15	21	9.2
2	3.2	47	235	425	652	147	115	3570	15	12	19	8.2
3	3.7	50	340	282	402	128	107	843	14	9.6	16	8.3
4	4.0	43	235	230	284	122	99	470	14	13	16	8.5
5	3.9	36	190	169	911	115	184	285	13	32	14	8.3
6	4.7	29	163	140	1060	97	542	176	12	19	30	7.6
7	5.4	24	124	126	629	92	312	147	11	16	40	7.5
8	7.0	22	115	106	445	91	202	361	11	12	34	8.3
9	29	20	103	91	353	87	156	475	11	10	24	10
10	22	51	94	98	284	81	130	486	11	9.2	19	8.6
11	9.5	103	81	95	753	81	113	355	14	18	16	7.1
12	6.2	61	75	79	773	78	98	227	19	17	15	6.1
13	5.9	45	69	77	494	70	90	151	14	12	14	5.4
14	5.9	37	61	82	379	68	94	113	12	9.7	12	5.0
15	6.4	39	53	74	286	63	171	85	11	8.4	12	4.7
16	7.4	77	50	76	221	61	148	67	9.9	10	22	4.6
17	20	67	49	481	181	60	124	58	25	43	176	4.6
18	13	62	48	386	150	55	108	51	67	16	75	4.6
19	8.5	100	46	261	148	51	96	44	24	13	40	4.5
20	10	87	47	180	153	50	87	39	17	11	29	4.5
21	60	69	46	157	138	57	77	36	14	9.2	25	4.5
22	705	57	51	163	129	85	68	35	13	8.5	20	4.7
23	472	48	45	138	127	82	62	32	12	20	16	5.8
24	255	44	45	100	133	87	263	30	13	13	16	8.8
25	90	39	52	96	140	82	185	27	12	13	23	7.7
26	51	34	52	77	188	75	133	24	11	16	17	12
27	36	981	51	72	178	76	105	22	11	106	14	12
28	118	2230	52	96	164	79	88	20	15	131	13	7.7
29	125	572	52	92	---	76	74	20	13	65	12	6.7
30	69	358	52	91	---	70	65	20	12	38	11	12
31	46	---	53	175	---	127	---	18	---	27	9.9	---
TOTAL	2206.1	5467	2958	5163	10835	2653	4226	11537	467.9	752.6	820.9	217.5
MEAN	71.2	182	95.4	167	387	85.6	141	372	15.6	24.3	26.5	7.25
MAX	705	2230	340	481	1080	160	542	3570	67	131	176	12
MIN	3.2	20	45	72	127	50	62	18	9.9	8.4	9.9	4.5
CFSM	.77	1.98	1.04	1.81	4.20	.93	1.53	4.04	.17	.26	.29	.08
IN.	.89	2.21	1.19	2.09	4.38	1.07	1.71	4.66	.19	.30	.33	.09

CAL YR 1984	TOTAL	72081.2	MEAN	197	MAX	7940	MIN	3.2	CFSM	2.14	IN.	29.11
WTR YR 1985	TOTAL	47304.0	MEAN	130	MAX	3570	MIN	3.2	CFSM	1.41	IN.	19.11

MOBILE RIVER BASIN

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02450250 SIPSEY FORK NEAR GRAYSON, AL--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT													
11...	1245	9.0	66	6.6	18.5	1.7	8.1	--	140	78	28	3	8.9
FEB													
14...	1415	388	61	6.7	6.5	2.0	12.6	--	K1	K5	26	4	8.9
APR													
11...	1000	102	83	6.3	12.0	2.0	11.2	106	40	29	37	0	13
JUL													
31...	1015	27	83	7.5	23.5	2.5	7.9	95	66	200	35	0	12
DATE		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	
OCT													
11...		1.3	1.0	7	0.0	1.7	25	12	4.2	1.3	<.10	5.0	
FEB													
14...		.84	1.0	8	.0	.60	22	8.5	4.5	1.3	<.10	5.2	
APR													
11...		1.1	1.2	6	.0	.90	39	38	4.1	1.7	<.10	5.8	
JUL													
31...		1.3	1.0	6	.0	1.0	36	2.2	3.9	.70	<.10	5.7	
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	
OCT													
11...		46	39	0.06	1.1	<.10	0.020	0.03	0.30	<.010	<.010	<.010	
FEB													
14...		36	36	.05	38	<.10	.020	.03	.30	.010	<.010	<.010	
APR													
11...		52	52	.07	14	<.10	.140	.18	1.5	<.010	<.010	<.010	
JUL													
31...		54	47	.07	3.9	<.10	.040	.05	.20	<.010	<.010	<.010	
DATE		ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)			
OCT													
11...		40	<1	28	--	<1	<1	<3	2	160			
APR													
11...		10	1	16	<.5	<1	<1	<3	5	46			
DATE		LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	
OCT													
11...		3	<4	63	<.1	<10	9	<1	<1	25	<6	<3	
APR													
11...		2	<4	18	<.1	<10	2	<1	<1	28	<6	11	

MOBILE RIVER BASIN

02450250 SIPSEY FORK NEAR GRAYSON, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
JUL 31...	<.4	<.4	0.8	<.4	0.7	<.4	0.06	0.50
DATE			SEDI- MENT, DIS- SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM			
OCT 11...			4	0.10	96			
FEB 14...			23	24	80			
APR 11...			7	1.9	98			
JUL 31...			5	.36	67			

02453500 MULBERRY FORK AT CORDOVA, AL

LOCATION.--Lat 33°45'27", long 87°10'13", in NW¼ sec. 9, T. 15 S., R. 6 W., Walker County, Hydrologic Unit 03160109, on right bank at downstream side of abutment of bridge on St. Louis and San Francisco Railroad, just downstream from Cane Creek, 0.1 mi east of Cordova, and at mile 30.8.

DRAINAGE AREA.--1,916 mi².

PERIOD OF RECORD.--January 1890 to June 1897 fragmentary gage-height records collected by National Weather Service. June 1900 to December 1913 monthly discharge published in WSP 1304. January 1914 to December 1923 and August 1937 to September 1971 in files of Corps of Engineers. October 1971 to current year (gage heights only).

REVISED RECORDS.--WDR AL-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 243.60 ft above National Geodetic Vertical Datum of 1929. August 1937 to September 1961, nonrecording gage at present site and datum. Prior to August 1937, nonrecording gage at 8.2 ft lower datum.

REMARKS.--No estimated daily gage heights. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 39.80 ft, March 30, 1951; minimum, -9.35 ft, several days in October 1909 (present datum); maximum stage known, 46.5 ft (present datum), April 1892 (information by National Weather Service).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.28 ft, July 28; minimum, 9.69 ft, Oct. 12.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.92	11.48	11.54	11.12	12.66	11.62	11.54	11.19	11.14	11.54	11.20	11.01
2	9.86	11.19	11.18	---	12.68	11.43	11.49	11.72	11.20	11.50	11.51	11.05
3	9.84	11.01	11.16	---	11.95	11.44	11.30	11.64	11.23	11.45	11.61	11.06
4	9.83	11.16	11.64	---	11.62	11.59	11.30	11.72	11.18	11.44	11.53	11.05
5	9.94	11.08	11.69	---	12.44	11.29	11.31	11.88	11.21	11.56	11.57	11.05
6	9.96	11.23	11.83	---	13.05	11.17	11.27	11.75	11.09	11.56	11.53	11.13
7	9.84	11.34	11.78	---	12.14	11.19	11.32	11.60	11.02	11.21	11.62	11.25
8	9.77	11.38	11.68	---	11.87	11.24	11.27	11.90	11.02	11.53	11.49	11.44
9	9.83	11.34	11.42	---	11.61	11.36	11.24	12.43	11.09	11.49	11.48	11.40
10	9.84	11.33	11.36	---	10.99	11.35	11.04	12.86	11.11	11.47	11.52	11.28
11	9.83	11.28	11.98	---	11.62	11.23	10.99	12.72	10.98	11.30	11.41	11.32
12	9.83	11.41	11.81	---	12.26	11.00	11.18	12.31	11.40	11.36	11.46	11.31
13	9.87	11.48	11.75	---	11.93	11.00	11.23	12.15	11.42	11.42	11.38	11.17
14	9.81	11.44	11.51	---	11.72	11.25	11.44	11.83	11.34	11.49	11.30	11.08
15	9.79	11.43	11.42	11.06	11.70	11.24	11.29	11.77	11.28	11.38	11.29	11.17
16	9.81	11.41	11.28	10.98	11.75	11.40	11.38	11.73	11.32	11.44	11.10	11.14
17	9.94	11.51	11.27	10.95	11.65	11.44	11.35	11.47	11.40	11.48	11.73	11.03
18	10.05	11.60	11.30	11.23	11.58	11.51	11.31	11.22	11.27	11.34	11.34	11.01
19	10.10	11.57	11.39	11.51	11.38	11.35	11.24	11.16	11.26	11.13	11.34	10.81
20	10.11	11.42	11.63	11.43	11.51	11.32	11.19	11.24	11.36	11.17	11.26	10.69
21	10.11	11.42	11.72	11.55	11.92	11.03	11.49	11.08	11.41	11.30	11.22	10.66
22	10.35	11.40	11.41	11.45	11.38	11.00	11.54	11.17	11.39	11.23	11.21	10.61
23	11.02	11.40	11.17	11.36	11.20	11.25	11.29	11.09	11.26	11.06	11.28	10.59
24	11.59	11.41	11.27	11.17	11.09	11.65	11.31	11.07	11.21	11.08	11.19	10.74
25	11.47	11.51	11.17	11.08	10.97	11.45	11.34	11.10	11.17	11.31	11.04	10.82
26	11.36	11.45	11.30	11.18	11.43	11.25	11.26	11.13	11.23	11.39	11.43	10.87
27	11.39	11.30	11.33	11.36	11.52	11.05	11.25	11.13	11.25	12.58	11.46	10.83
28	11.52	11.70	11.10	11.43	11.46	10.58	11.41	11.07	11.29	14.08	11.29	10.80
29	11.58	11.92	11.12	11.32	---	11.26	11.28	11.11	11.55	13.13	11.14	10.75
30	11.50	11.54	11.19	11.28	---	11.25	11.17	11.21	11.49	11.82	11.11	10.74
31	11.44	---	11.31	11.73	---	11.33	---	11.30	---	11.48	11.00	---
MEAN	10.36	11.40	11.44	---	11.75	11.27	11.30	11.57	11.25	11.57	11.36	11.00
MAX	11.59	11.92	11.98	---	13.05	11.65	11.54	12.86	11.55	14.08	11.73	11.44
MIN	9.77	11.01	11.10	---	10.97	10.58	10.99	11.07	10.98	11.06	11.00	10.59
CAL YR 1984	MEAN	11.43	MAX	16.69	MIN	9.77						

MOBILE RIVER BASIN

02455000 LOCUST FORK NEAR CLEVELAND, AL

LOCATION.--Lat 34°01'28", long 86°34'27", in NE¼ sec. 6, T. 12 S., R. 1 E., Blount County, Hydrologic Unit 03160111, on left bank 200 ft upstream from bridge on U.S. Highway 231, 2.5 mi downstream from Graves Creek, 3 mi north of Cleveland, and at mile 98.6.

DRAINAGE AREA.--303 mi².

PERIOD OF RECORD.--December 1936 to current year.

REVISED RECORDS.--WSP 1112: 1943(M). WSP 1304: 1939(M), 1941(M). WDR AL-79-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 536.94 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers benchmark). Prior to Apr. 19, 1940, nonrecording gage at present site and datum. Apr. 20, 1940 to Apr. 11, 1945, nonrecording gage and April 12, 1945 to Sept. 30, 1972, water-stage recorder at site 200 ft downstream at same datum.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--48 years (water years 1938-85), 530 ft³/s, 23.77 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 47,000 ft³/s, Dec. 28, 1942, gage height, 19.2 ft; minimum since Oct. 1, 1943, 2.3 ft³/s, Sept. 14, 15, 16, 1954; minimum prior to Oct. 1, 1943, not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 1	1600	*8,100	*9.69				

Minimum discharge, 7.8 ft³/s, Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	9.6	54	472	216	5890	641	460	133	84	100	638	139	
2	9.9	133	578	372	4570	628	415	307	76	170	735	115	
3	10	147	936	375	2370	570	355	424	60	183	549	99	
4	9.6	135	687	477	1530	516	325	263	50	108	426	93	
5	10	140	668	506	2970	499	389	203	46	77	318	90	
6	11	118	715	438	3300	460	1090	169	40	180	251	88	
7	10	97	615	402	2020	421	677	148	35	582	222	108	
8	9.9	87	523	364	1390	394	518	1370	37	325	533	126	
9	10	79	460	329	1080	382	447	1850	36	157	312	140	
10	84	86	414	312	916	361	401	1490	61	108	218	107	
11	37	118	370	318	1030	342	367	1470	345	82	175	95	
12	19	100	340	295	1670	327	341	1050	251	88	145	78	
13	14	86	317	270	1260	303	324	767	150	93	121	73	
14	12	77	290	258	1040	292	313	610	98	70	103	65	
15	11	77	265	248	889	280	481	504	72	56	90	59	
16	10	114	250	235	767	265	641	415	61	49	88	54	
17	12	112	237	321	683	257	503	335	57	48	1260	52	
18	15	100	227	411	612	243	412	288	246	48	814	49	
19	18	131	220	361	569	229	369	253	259	41	425	46	
20	153	131	218	319	578	221	327	221	145	36	277	45	
21	85	113	207	266	564	219	288	194	98	31	220	43	
22	70	100	228	251	499	738	254	179	74	29	185	39	
23	209	98	233	265	465	1020	223	169	58	26	156	42	
24	420	93	223	267	457	810	230	157	50	105	142	49	
25	189	88	221	260	546	615	246	145	45	133	281	42	
26	119	82	219	243	964	496	220	135	40	326	503	40	
27	87	127	209	222	841	440	180	121	39	2800	506	40	
28	93	1580	199	221	711	424	182	110	48	4320	344	38	
29	91	888	192	225	---	404	169	100	44	3210	252	36	
30	73	607	189	228	---	376	143	100	44	1660	195	36	
31	62	---	185	490	---	401	---	96	---	939	162	---	
TOTAL	1973.0	5898	11107	9765	40181	13574	11290	13776	2749	16180	10646	2126	
MEAN	63.6	197	358	315	1435	438	376	444	91.6	522	343	70.9	
MAX	420	1580	936	506	5890	1020	1090	1850	345	4320	1260	140	
MIN	9.6	54	185	216	457	219	143	96	35	26	88	36	
CFSM	.21	.65	1.18	1.04	4.74	1.45	1.24	1.47	.30	1.72	1.13	.23	
IN.	.24	.72	1.36	1.20	4.93	1.67	1.39	1.69	.34	1.99	1.31	.26	
CAL YR 1984	TOTAL	144936.1		MEAN	396	MAX	4500	MIN	9.6	CFSM	1.31	IN.	17.79
WTR YR 1985	TOTAL	139265.0		MEAN	382	MAX	5890	MIN	9.6	CFSM	1.26	IN.	17.10

MOBILE RIVER BASIN

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02456330 CROOKED CREEK NEAR MORRIS, AL

LOCATION.--Lat 33°44'10", long 86°52'00", in NE¼ sec. 17, T. 15 S., R. 3 W., Jefferson County, Hydrologic Unit 03150111, on right bank 100 ft downstream from bridge on county road, 2 mi southwest of Sardis, 3.2 mi west-southwest of Morris, and 3.6 miles above mouth.

DRAINAGE AREA.--16.2 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 320 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 28 to Dec. 5. Records good except for period of estimated record, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--9 years (water years 1977-85), 30.1 ft³/s, 25.23 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,600 ft³/s, May 19, 1983, gage height, 23.49 ft; minimum, 0.05 ft³/s, Sept. 23, 1984.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 480 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 31	0500	781	6.29	July 27	1415	1,160	7.65
Feb. 1	0015	858	6.59	July 28	0310	1,310	8.13
May 1	2245	*1,680	*9.22				

Minimum discharge, 0.15 ft³/s, Oct. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.25	.54	30	53	529	34	31	275	1.1	.93	17	1.9	
2	.30	17	25	43	148	28	25	241	.99	.68	16	1.6	
3	.24	2.4	31	31	70	23	21	75	.73	.68	11	1.7	
4	.25	1.6	27	27	48	21	18	42	.84	6.8	8.6	1.7	
5	.19	1.1	29	22	259	19	29	27	.68	1.7	6.5	1.5	
6	.17	.84	24	18	155	15	35	19	.68	109	5.7	1.5	
7	.18	.68	19	15	74	14	28	15	.68	20	5.7	1.3	
8	.31	.61	15	13	49	13	22	56	.68	8.9	12	4.2	
9	.35	.48	11	11	38	12	18	130	.68	4.3	6.4	3.8	
10	.37	1.6	9.1	10	31	11	16	81	2.7	2.9	4.8	1.5	
11	.34	1.6	6.9	9.0	96	11	14	55	32	9.7	3.7	1.1	
12	.38	.84	5.5	7.7	98	9.8	12	37	6.4	13	3.2	.88	
13	.51	.84	5.0	7.2	60	8.8	11	25	2.0	4.6	2.8	.84	
14	.60	.76	4.1	8.2	45	8.5	11	18	1.5	4.6	2.4	.77	
15	.68	.84	3.6	7.3	35	7.7	31	13	2.9	3.6	7.5	.63	
16	.72	1.5	3.3	8.7	29	7.3	26	10	4.0	2.9	19	.61	
17	.86	1.0	3.1	26	24	7.1	21	8.3	1.7	2.8	28	.54	
18	.94	.93	2.9	23	21	6.3	17	7.1	1.9	2.2	11	.61	
19	1.0	.68	2.7	19	20	5.8	14	5.6	2.6	1.8	7.1	.61	
20	1.4	88	2.7	15	18	5.6	12	4.6	2.2	1.6	5.1	.61	
21	5.1	33	2.6	11	15	10	9.7	4.1	1.5	1.4	5.4	.61	
22	7.0	1.2	9.9	10	14	105	8.3	5.2	1.0	1.2	6.2	.61	
23	3.6	7.4	5.1	10	13	47	7.3	3.4	.84	1.0	3.7	.68	
24	4.4	44	4.9	11	18	32	13	3.3	1.5	1.0	12	1.1	
25	1.0	33	5.2	9.8	76	23	9.4	2.9	2.9	1.4	14	.95	
26	.58	23	4.7	8.2	104	18	6.7	2.4	1.1	1.7	7.7	.85	
27	.43	32	5.5	6.9	59	16	5.4	2.0	2.4	481	6.2	.84	
28	1.1	45	6.0	8.4	41	15	5.0	1.8	3.1	401	4.5	.84	
29	.77	35	6.5	7.3	---	14	4.3	1.7	1.5	69	3.0	.84	
30	.54	23	6.5	15	---	12	3.6	1.6	.93	37	2.5	5.4	
31	.39	---	6.4	407	---	32	---	1.3	---	23	2.3	---	
TOTAL	34.95	400.44	323.2	878.7	2187	591.9	484.7	1174.3	83.73	1221.39	251.0	40.62	
MEAN	1.13	13.3	10.4	28.3	78.1	19.1	16.2	37.9	2.79	39.4	8.10	1.35	
MAX	7.0	88	31	407	529	105	35	275	32	481	28	5.4	
MIN	.17	.48	2.6	6.9	13	5.6	3.6	1.3	.68	.68	2.3	.54	
CFSM	.07	.82	.64	1.75	4.82	1.18	1.00	2.34	.17	2.43	.50	.08	
IN.	.08	.92	.74	2.02	5.02	1.36	1.11	2.70	.19	2.80	.58	.09	
CAL YR 1984	TOTAL	8331.13		MEAN	22.8	MAX	660	MIN	.06	CFSM	1.41	IN.	19.13
WTR YR 1985	TOTAL	7671.93		MEAN	21.0	MAX	529	MIN	.17	CFSM	1.30	IN.	17.62

02456500 LOCUST FORK AT SAYRE, AL

LOCATION.--Lat 33°42'35", long 86°59'00", in NW¼ sec. 29, T. 15 S., R. 4 W., Jefferson County, Hydrologic Unit 03160111, on left bank 150 ft upstream from bridge on county road at Sayre, 1.5 mi downstream from Camp Creek, and at mile 33.9.

DRAINAGE AREA.--885 mi².

PERIOD OF RECORD.--July 1928 to March 1932 (published as "near Warrior") and October 1941 to current year. Monthly discharge only for July 1928 and low-water periods October 1941 to September 1945, published in WSP 1304.

REVISED RECORDS.--WSP 1142: 1943(M). WSP 1304: 1929(M). WSP 1434: 1943. WDR AL-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 258.64 ft above National Geodetic Vertical Datum of 1929 (levels by the U.S. Army Corps of Engineers). Prior to March 1932, nonrecording gage at site 9 mi upstream, at different datum. May 11, 1942, to June 30, 1949, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges: Jan. 13-14, 26-28. Records good. Diversion above station subsequent to 1938 from Inland Reservoir, usable capacity 60,000 acre-ft on Blackburn Fork for industrial water supply for city of Birmingham. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--47 years (water years 1929-31, 1942-85), 1,475 ft³/s, 22.63 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,300 ft³/s, Jan. 7, 1949, gage height, 47.9 ft; maximum gage height, 48.60 ft, Feb. 23, 1961; minimum discharge, 17 ft³/s, Sept. 28, Oct. 2, 1931.

EXTREMES FOR CURRENT YEAR.-- Peak discharges greater than base discharge of 17,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July 28	1600	*21,500	*27.88				

Minimum discharge, 45 ft³/s, Oct. 2, 3, 5, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	47	186	1470	490	11000	2000	1170	706	217	139	2790	329	
2	45	270	1250	1000	14800	1800	1170	3670	205	176	2060	289	
3	45	494	2470	1100	8380	1640	1000	1920	191	205	1760	267	
4	46	476	2330	1070	4970	1480	876	1320	176	285	1400	248	
5	46	369	1890	1200	6140	1370	873	919	165	370	1100	223	
6	47	333	2040	1140	10200	1240	1520	706	151	2990	929	207	
7	50	296	1850	978	6910	1120	2160	587	141	2440	793	200	
8	55	252	1520	870	4660	1030	1520	719	133	1330	772	202	
9	60	219	1280	774	3520	964	1200	3710	130	864	873	237	
10	61	215	1100	707	2830	897	1020	5060	230	548	787	228	
11	77	252	968	679	2970	845	886	4340	287	474	597	223	
12	107	295	858	640	4400	795	795	3500	516	588	512	198	
13	120	297	781	600	4070	735	730	2440	600	340	453	177	
14	90	247	713	560	3210	687	695	1780	392	371	407	158	
15	73	222	642	513	2700	645	936	1370	281	293	388	143	
16	63	221	585	511	2310	606	1450	1090	235	255	486	136	
17	85	232	544	645	2010	572	1500	889	205	232	858	131	
18	93	278	511	914	1750	543	1230	751	202	202	1630	123	
19	92	290	480	950	1570	513	1020	658	212	180	1220	115	
20	121	305	458	804	1470	485	870	577	436	165	740	111	
21	144	329	449	665	1420	483	750	516	339	150	556	108	
22	345	304	463	608	1320	1070	658	472	247	139	459	106	
23	315	268	482	572	1180	2300	581	433	198	132	396	110	
24	394	246	497	563	1180	2190	555	388	171	159	384	120	
25	769	232	474	554	1550	1770	558	356	164	172	530	124	
26	456	224	451	540	3020	1380	565	328	148	298	583	136	
27	305	268	436	520	2990	1130	499	301	139	8280	748	126	
28	252	2590	419	500	2360	1000	441	275	165	20200	741	118	
29	238	3600	399	485	---	942	400	258	146	13900	581	108	
30	259	1970	389	515	---	871	382	246	141	6790	471	117	
31	220	---	378	2820	---	906	---	227	---	4240	389	---	
TOTAL	5120	15780	28577	24487	114890	34009	28010	40512	6963	66907	26393	5118	
MEAN	165	526	922	790	4103	1097	934	1307	232	2158	851	171	
MAX	769	3600	2470	2820	14800	2300	2160	5060	600	20200	2790	329	
MIN	45	186	378	485	1180	483	382	227	130	132	384	106	
CFSM	.19	.59	1.04	.89	4.64	1.24	1.06	1.48	.26	2.44	.96	.19	
IN.	.22	.66	1.20	1.03	4.83	1.43	1.18	1.70	.29	2.81	1.11	.22	
CAL YR 1984	TOTAL	469284		MEAN	1282	MAX	17000	MIN	45	CFSM	1.45	IN.	19.73
WTR YR 1985	TOTAL	396766		MEAN	1087	MAX	20200	MIN	45	CFSM	1.23	IN.	16.68

02462000 VALLEY CREEK NEAR OAK GROVE, AL

LOCATION.--Lat 33°26'50", long 87°07'20", in NW¼ sec. 25, T. 18 S., R. 6 W., Jefferson County, Hydrologic Unit 03160112, near center of span on downstream side of highway bridge, 1,000 ft downstream from Raccoon Branch, 1.5 mi east of Oak Grove, 10.5 mi west of Bessemer, and 18.2 mi upstream from mouth.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--May to July 1936, August 1953 to September 1958, October 1958 to September 1964 (peak discharge only), October 1964 to September 1965, October 1965 to May 1978 (peak discharge only), June 1978 to current year.

REVISED RECORDS.--WDR AL-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 294.87 ft above National Geodetic Vertical Datum of 1929 (levels by Jefferson County Highway Department). May 16 to July 12, 1936, chain gage at site 500 ft downstream at same datum. August 1953 to September 1958, water-stage recorder, October 1958 to September 1964 and October 1965 to June 1978, crest-stage gage, at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--13 years (water years 1954-58, 1965, 1979-85) 347 ft³/s, 31.84 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft³/s, Dec. 4, 1983, gage height, 33.98 ft; minimum, 30 ft³/s, Sept. 19, 20, 1983.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 29.6 ft present site and datum (discharge not determined) from high-water marks.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 5	1345	*5,450	*13.90	July 27	2000	5,240	13.46

Minimum discharge, 54 ft³/s, Oct. 2, 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	87	185	86	2860	369	208	110	83	304	278	121
2	58	288	363	99	1050	330	157	801	83	126	392	113
3	71	186	486	103	529	285	144	261	77	117	380	123
4	71	157	229	135	421	255	139	169	83	174	297	114
5	72	119	378	101	2970	261	132	145	80	135	254	113
6	76	100	361	93	1450	214	198	133	76	162	238	108
7	84	94	247	89	593	195	133	127	79	174	254	110
8	82	90	205	88	462	185	121	140	77	130	326	109
9	131	88	175	87	388	175	116	231	76	128	254	109
10	77	94	158	88	333	164	109	165	353	125	228	107
11	72	132	144	86	634	152	109	170	273	127	219	101
12	73	89	132	84	542	148	107	147	265	244	249	122
13	75	82	130	83	412	140	110	131	122	140	213	102
14	76	83	122	82	348	136	113	121	104	138	209	99
15	78	82	104	81	302	131	290	115	101	131	240	91
16	99	99	101	86	269	122	237	111	122	129	191	89
17	150	91	93	224	249	123	155	112	97	144	313	90
18	116	86	91	143	228	116	139	111	186	130	187	88
19	88	146	90	128	246	115	127	106	233	120	162	90
20	169	103	90	122	234	114	120	102	165	119	158	90
21	159	89	91	116	203	116	113	107	117	115	149	83
22	601	85	137	112	182	1460	104	145	107	114	146	84
23	187	82	121	121	173	356	106	103	100	125	140	82
24	191	82	103	118	310	279	197	94	100	487	140	101
25	135	86	101	120	1530	224	227	91	101	255	205	85
26	115	84	89	115	1350	196	124	88	95	252	157	83
27	108	111	88	133	574	182	113	86	156	2280	140	77
28	110	1510	89	129	437	170	111	85	171	2550	135	79
29	161	273	84	130	---	160	101	123	164	596	138	78
30	98	201	87	130	---	145	94	136	116	420	136	74
31	93	---	83	689	---	228	---	85	---	339	132	---
TOTAL	3749	4899	4957	4001	19279	7246	4254	4651	3962	10530	6660	2915
MEAN	121	163	160	129	689	234	142	150	132	340	215	97.2
MAX	601	1510	486	689	2970	1460	290	801	353	2550	392	123
MIN	58	82	83	81	173	114	94	85	76	114	132	74
CFSM	.82	1.10	1.08	.87	4.66	1.58	.96	1.01	.89	2.30	1.45	.66
IN.	.94	1.23	1.25	1.01	4.85	1.82	1.07	1.17	1.00	2.65	1.67	.73
CAL YR 1984	TOTAL	94517	MEAN	258	MAX	2260	MIN	58	CFSM	1.74	IN.	23.76
WTR YR 1985	TOTAL	77103	MEAN	211	MAX	2970	MIN	58	CFSM	1.43	IN.	19.38

MOBILE RIVER BASIN

02462500 BLACK WARRIOR RIVER AT BANKHEAD LOCK AND DAM NEAR BESSEMER, AL

LOCATION.--Lat 33°27'30", long 87°21'15", in SE¼ sec. 22, T. 18 S., R. 8 W., Jefferson County, Hydrologic Unit 03160112, at abandoned lock wall 300 ft above dam, 1.9 mi downstream from Big Yellow Creek, 23 mi northwest of Bessemer, and at mile 153.6.

DRAINAGE AREA.--3,979 mi².

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

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 173.5 ft above National Geodetic Vertical Datum of 1929.

COOPERATION.--Records were provided by Alabama Power Company.

AVERAGE DISCHARGE.--9 years, 7,212 ft³/s, 24.55 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 143,000 ft³/s, Apr. 13, 1979; maximum gage height, 82.10 ft, Jan. 11, 1984; no flow at times most years; some undetermined amounts of leakage may have occurred during periods reported as no flow.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 49,100 ft³/s, July 28; maximum gage height, 81.71 ft, Feb. 2; minimum, 60 ft³/s, Nov. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	600	7470	300	41600	9550	3750	5010	480	3100	7440	470
2	240	5220	6700	6730	34300	9380	3680	14500	650	2350	6270	3460
3	410	410	10000	6570	21600	4550	4130	11300	2580	3300	4780	3310
4	180	2270	9810	6830	11500	7120	2270	9160	1820	650	3770	4080
5	410	300	9710	3480	27200	6720	4080	8410	2840	3870	4380	2970
6	170	60	9780	1760	34000	6140	4410	9950	2380	8210	3320	3300
7	650	300	9410	3970	19900	6050	5320	8870	2140	3640	3840	410
8	300	810	8670	5950	11100	4290	3770	8420	470	4380	6180	920
9	350	530	8930	5090	11300	1940	3870	12200	470	3300	4440	4150
10	410	1050	7800	3200	9110	3500	3600	18500	6130	3840	4480	3560
11	350	240	7470	2440	9470	3240	1810	17300	2460	2270	810	3450
12	650	240	9460	3770	20400	4460	2380	14300	3520	2530	3640	3000
13	410	1190	8870	300	13300	2080	300	11600	3100	650	3650	3240
14	470	1120	7840	2760	10800	1730	3240	10600	3580	1870	2710	470
15	230	300	7330	2700	9510	1470	4580	8760	1870	2400	3570	470
16	300	980	7120	3420	9070	620	3620	7580	240	2740	6360	2870
17	300	650	7030	2710	8230	2040	5310	5340	3300	4520	10500	2440
18	180	1210	6420	1770	9320	1440	2120	2510	2980	3480	7410	2510
19	300	1370	6940	3540	9050	2150	4040	420	2360	2460	5010	2590
20	590	1820	7210	3530	9240	2350	590	4120	2830	300	4340	2050
21	530	3800	7410	6760	7640	2840	470	2630	1960	550	4050	1360
22	650	350	3950	4450	7600	6950	3610	2520	2190	3310	3610	590
23	300	3010	120	5130	4120	2480	1870	2500	1100	2810	2940	720
24	3930	180	2580	3400	6030	3930	2980	1590	2480	1980	6960	590
25	3760	180	120	2210	9280	5290	3530	650	2340	2840	1390	350
26	2070	2940	4690	920	11100	3840	3000	650	1930	3440	4910	470
27	410	4270	3790	120	10400	4140	470	1900	2310	26500	5070	710
28	350	10900	3240	1510	9300	2010	2000	1680	1810	49100	5290	470
29	2080	12700	1370	2150	---	2410	1810	1620	2300	33100	3330	530
30	1910	9000	120	1640	---	3300	1870	240	1210	13500	4470	470
31	180	---	6490	14400	---	1170	---	2450	---	10100	2340	---
TOTAL	23250	68000	197850	113510	395470	119180	88480	207280	65830	207090	141260	55980
MEAN	750	2267	6382	3662	14120	3845	2949	6686	2194	6680	4557	1866
MAX	3930	12700	10000	14400	41600	9550	5320	18500	6130	49100	10500	4150
MIN	170	60	120	120	4120	620	300	240	240	300	810	350
CFSM	.19	.57	1.60	.92	3.55	.97	.74	1.68	.55	1.68	1.15	.47
IN.	.22	.64	1.85	1.06	3.70	1.11	.83	1.94	.62	1.94	1.32	.52
CAL YR 1984	TOTAL	2268500	MEAN	6198	MAX	53400	MIN	60	CFSM	1.56	IN.	21.21
WTR YR 1985	TOTAL	1683180	MEAN	4611	MAX	49100	MIN	60	CFSM	1.16	IN.	15.74

MOBILE RIVER BASIN

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02462501 BLACK WARRIOR RIVER BELOW BANKHEAD LOCK AND DAM, NEAR BESSEMER, AL

LOCATION.--Lat 33°27'25", long 87°21'18", in SE¼ sec. 22, T. 18 S., R. 8 W., Jefferson County, Hydrologic Unit 03160112, near left bank 300 ft below dam, 2.0 mi downstream from Big Yellow Creek, 23 mi northwest of Bessemer, and at mile 153.6.

DRAINAGE AREA.--3,981 mi² (revised).

PERIOD OF RECORD.--December 1911 to current year (gage height only). October 1971 to current year in reports of Geological Survey. December 1911 to September 1971 in files of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to July 11, 1963, nonrecording gage at same site and datum. July 11, 1963 to September 30, 1976, at datum 173.50 ft lower.

EXTREMES (0700) FOR PERIOD OF RECORD.--Maximum gage height, 194.00 ft, July 9, 1916; minimum, 179.60 ft, Oct. 15 to Nov. 1, 1920.

EXTREMES (0700) FOR 1984 WATER YEAR.--Maximum gage height, 193.50 ft, Dec. 3; minimum, 183.02 ft, Dec. 11.

EXTREMES (0700) FOR 1985 WATER YEAR.--Maximum gage height, 188.03 ft, July 29; minimum, 183.38 ft, Oct. 10.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186.47	186.20	186.20	185.89	186.45	187.76	186.89	186.81	185.88	186.52	186.63	186.36
2	186.48	186.48	186.36	185.71	186.26	186.55	186.82	186.43	186.26	186.53	186.08	186.31
3	186.65	186.47	193.50	185.29	186.09	185.88	186.53	187.06	186.55	186.37	186.05	186.96
4	186.73	186.55	191.50	186.03	186.66	186.14	186.76	187.51	186.71	186.40	186.48	186.82
5	186.80	186.43	187.74	185.88	186.27	186.69	186.59	187.68	186.53	186.53	186.14	187.05
6	186.62	186.52	187.50	185.99	186.23	187.19	187.17	185.88	186.26	186.28	186.40	186.74
7	186.57	186.53	185.97	185.78	186.45	186.72	186.92	186.67	186.57	186.25	186.34	186.47
8	186.43	186.59	185.09	185.68	186.32	186.59	187.01	186.38	186.55	186.24	186.18	186.20
9	186.29	186.48	183.12	185.69	186.91	186.57	186.49	187.03	186.38	186.56	186.10	186.30
10	186.51	186.50	183.03	185.10	186.36	185.88	186.67	186.48	186.46	186.32	186.03	186.41
11	186.32	186.79	183.02	186.24	186.43	186.26	186.82	187.07	186.58	186.35	185.88	186.50
12	186.65	186.68	183.65	186.42	186.72	186.36	186.69	186.76	186.46	186.27	186.18	186.75
13	186.95	186.35	186.74	186.94	187.05	185.88	186.09	186.64	186.34	186.71	186.35	186.61
14	187.06	186.86	186.59	186.39	186.68	186.28	186.27	186.64	186.47	186.53	186.48	186.34
15	186.49	186.74	186.87	186.54	186.84	186.84	186.35	186.17	185.97	186.49	186.32	186.26
16	186.44	185.95	186.78	186.70	186.70	186.60	186.40	186.43	186.20	186.26	186.09	186.46
17	186.52	186.08	186.88	186.23	186.32	186.15	186.26	186.53	186.57	185.82	185.88	186.37
18	186.44	186.22	186.42	186.73	186.37	186.38	186.68	186.25	186.83	186.31	186.22	186.55
19	186.61	186.43	186.65	186.66	186.57	186.30	186.76	186.47	186.37	186.08	186.41	186.31
20	186.68	186.57	186.13	186.59	185.88	186.48	186.17	186.86	186.46	186.32	186.89	186.37
21	186.88	186.09	185.93	187.05	186.91	186.63	186.56	186.61	186.54	185.82	186.60	186.33
22	186.67	186.45	186.99	186.68	186.32	186.29	186.69	186.37	186.63	185.89	186.21	186.42
23	186.56	187.14	186.49	186.82	186.95	186.35	186.68	185.98	186.51	186.54	186.27	186.48
24	186.79	186.63	185.84	186.86	186.25	186.35	186.41	186.34	186.38	186.20	185.88	186.78
25	186.48	185.87	185.76	186.65	187.02	186.21	186.23	186.20	186.60	186.63	186.18	186.73
26	186.51	186.42	185.79	186.75	186.47	186.68	186.09	186.53	186.72	186.60	186.27	186.58
27	186.70	186.04	185.79	186.82	186.69	186.33	187.80	186.31	186.42	186.41	186.09	186.75
28	186.65	187.26	187.35	186.67	186.92	187.38	187.11	186.34	187.00	186.48	186.70	186.57
29	186.81	186.69	186.82	186.73	186.84	187.06	187.34	186.40	186.50	186.30	186.14	186.60
30	186.90	186.87	185.83	186.78	---	186.93	186.93	185.98	186.16	186.33	187.08	186.87
31	186.71	---	185.74	186.55	---	186.95	---	186.38	---	186.54	186.36	---
MEAN	186.62	186.50	186.39	186.35	186.55	186.54	186.67	186.55	186.46	186.35	186.29	186.54
MAX	187.06	187.26	193.50	187.05	187.05	187.76	187.80	187.68	187.00	186.71	187.08	187.05
MIN	186.29	185.87	183.02	185.10	185.88	185.88	186.09	185.88	185.88	185.82	185.88	186.20

WTR YR 1984 MEAN 186.48 HIGH 193.50 DEC 3 LOW 183.02 DEC 11

MOBILE RIVER BASIN

02462501 BLACK WARRIOR RIVER BELOW BANKHEAD LOCK AND DAM, NEAR BESSEMER, AL--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186.90	186.75	186.58	186.53	186.83	186.54	186.34	186.85	186.35	186.45	186.01	186.20
2	186.60	186.10	186.20	186.91	186.94	186.77	186.63	186.70	186.82	186.32	186.65	186.43
3	186.63	186.80	186.59	186.45	187.10	186.31	185.85	186.30	186.71	186.28	186.81	186.17
4	186.67	186.59	186.26	186.81	187.25	186.21	185.96	186.48	186.40	185.92	186.10	186.29
5	186.83	186.17	186.68	186.41	186.69	186.26	185.99	186.56	185.91	186.56	186.64	186.37
6	186.53	186.08	186.73	186.61	187.31	186.34	186.21	186.67	186.08	186.89	186.63	186.16
7	186.83	186.32	186.77	186.13	186.90	186.21	186.50	186.43	186.34	186.50	186.61	186.19
8	186.69	186.37	185.96	186.40	186.96	186.03	186.62	186.47	186.19	186.31	186.58	186.14
9	186.34	186.54	186.50	186.23	186.27	186.08	186.45	186.61	186.45	186.66	186.46	186.78
10	183.38	186.78	186.08	186.10	186.41	186.28	186.58	186.58	186.65	186.53	186.35	186.14
11	186.63	186.46	185.88	186.71	186.06	186.13	186.73	186.31	186.12	186.50	186.46	186.42
12	186.73	186.67	186.26	186.69	186.64	185.86	186.99	186.51	185.89	186.03	186.46	186.40
13	186.72	186.62	186.39	186.21	187.03	185.88	186.19	186.46	186.17	186.06	186.28	186.32
14	186.29	186.52	186.30	186.37	186.46	186.40	186.45	186.47	186.13	186.40	186.36	186.18
15	187.30	186.45	186.38	186.81	186.92	186.21	186.41	186.34	186.18	186.73	186.59	186.04
16	186.66	186.61	186.21	187.11	186.36	186.29	187.01	186.58	186.48	186.51	186.37	186.18
17	187.06	186.34	185.88	186.56	186.62	186.57	186.26	186.38	186.61	186.68	187.01	186.17
18	186.39	186.32	186.01	186.84	186.54	186.13	186.80	186.47	186.30	186.34	185.88	186.11
19	186.34	186.39	186.03	186.33	186.56	186.11	186.58	186.32	186.26	186.18	186.07	186.04
20	187.00	186.46	185.97	186.25	186.57	186.37	186.51	186.70	186.39	186.50	186.26	186.34
21	186.93	186.31	185.94	186.31	186.63	186.00	186.76	186.31	186.11	186.69	186.12	186.32
22	186.48	186.17	186.14	186.39	186.16	185.95	187.62	186.51	186.31	186.66	186.06	186.13
23	186.15	186.42	186.33	186.11	186.24	185.87	186.49	186.50	186.40	186.54	186.23	186.42
24	186.19	186.23	186.35	186.36	186.28	185.85	186.64	186.14	186.45	185.93	186.39	186.09
25	186.19	186.44	186.01	186.65	186.61	185.93	186.74	186.33	186.41	186.53	186.03	186.19
26	186.46	186.31	186.39	186.52	186.85	185.85	186.26	186.68	186.47	186.23	186.17	186.54
27	186.15	186.46	186.08	186.62	186.79	185.85	186.49	186.78	186.17	186.38	186.00	186.38
28	186.38	186.85	186.41	186.82	186.28	185.85	186.75	186.35	186.30	187.58	186.33	186.24
29	185.82	187.09	186.20	186.27	---	185.90	186.86	186.34	186.36	188.03	185.86	186.49
30	186.00	186.63	186.46	186.47	---	185.86	186.46	186.47	186.42	186.79	186.51	186.52
31	186.51	---	186.30	187.06	---	185.85	---	186.45	---	186.64	186.38	---
MEAN	186.44	186.47	186.27	186.52	186.65	186.12	186.54	186.49	186.33	186.53	186.34	186.28
MAX	187.30	187.09	186.77	187.11	187.31	186.77	187.62	186.85	186.82	188.03	187.01	186.78
MIN	183.38	186.08	185.88	186.10	186.06	185.85	185.85	186.14	185.89	185.92	185.86	186.04
WTR YR 1985	MEAN	186.41		HIGH	188.03	JUL 29	LOW	183.38	OCT 10			

MOBILE RIVER BASIN

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02462951 BLACK WARRIOR RIVER AT HOLT LOCK AND DAM NEAR HOLT, AL

LOCATION.--Lat 33°15'11", long 87°26'57", in NW¼ sec. 2, T. 21 S., R. 9 W., Tuscaloosa County, Hydrologic Unit 03160112, on left bank 50 ft upstream from lock and dam, 0.1 mi downstream from Jim Mack Branch, 0.7 mi upstream from Hurricane Creek, 2.0 mi northeast of Holt, 3.2 mi upstream from North River, and at mile 135.1.

DRAINAGE AREA.--4,219 mi².

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

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by the U.S. Army Corps of Engineers).

COOPERATION.--Records were provided by Alabama Power Company.

AVERAGE DISCHARGE.--9 years, 7,606 ft³/s, 24.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 178,000 ft³/s, Apr. 13, 1979; maximum gage height, 190.19 ft, Dec. 3, 1983; no flow at times most years; some undetermined amounts of leakage may have occurred during periods reported as no flow.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 53,100 ft³/s, July 28; maximum gage height, 187.65 ft, June 21; minimum, 150 ft³/s, Nov. 25, Dec. 25-30, June 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	740	1670	6590	250	45900	8740	3420	4190	480	3560	8330	400	
2	470	4840	6960	6480	36800	9940	4030	15000	1080	2750	6050	4140	
3	300	1450	10200	6880	22100	5120	4110	11400	3340	3590	5780	3580	
4	250	2800	9700	6100	16000	6740	2130	8760	2160	400	3710	4200	
5	710	500	9710	3610	32400	7010	4330	8810	2930	4380	4370	2990	
6	550	300	9340	1980	35500	6440	4310	8760	2740	9350	3950	3470	
7	890	300	9340	3820	20500	6120	5210	8760	2590	3890	3960	600	
8	620	910	9120	5700	11600	3970	3800	7850	400	4530	5800	1040	
9	250	650	8040	4970	11400	2250	3930	13600	400	3540	5010	4100	
10	550	2150	7970	3110	9160	3620	3490	18800	7210	4160	4270	3520	
11	550	350	6940	2530	9640	3580	1870	17600	3190	3280	790	3840	
12	550	340	8890	4070	21100	4350	2820	13700	3960	2530	3970	3130	
13	1180	1330	7820	300	14000	1690	450	12800	3320	550	3820	3360	
14	600	1490	7930	2790	10200	1910	3520	11000	3720	1740	2810	450	
15	350	350	6560	2730	10200	1560	4240	9290	2070	2870	3790	500	
16	400	1290	6590	3610	8730	930	4250	8380	150	3300	7770	3060	
17	1120	920	6530	2990	8380	2260	4970	5260	3570	5280	11600	2730	
18	450	1850	6410	1560	8570	1450	2460	2750	3660	3640	8640	2520	
19	350	1030	6490	3670	9400	2250	4140	400	2570	2430	5000	2250	
20	450	2610	6660	3610	9100	2410	400	4830	3270	400	4590	2410	
21	1310	4120	6790	6480	7230	3000	500	2930	2140	620	4190	1560	
22	1240	350	4000	4520	7630	6860	3990	2830	1570	4330	3740	650	
23	950	3340	400	4500	4220	2680	2200	2890	1330	3070	2990	600	
24	4550	200	3050	3320	6290	3470	3200	1550	2750	2380	5680	700	
25	3360	150	150	2070	10500	5740	3760	450	2780	3050	2240	500	
26	2490	3240	4700	920	13700	3750	3150	1000	2390	3730	5340	600	
27	400	4070	3680	970	10400	4140	250	2380	2560	26900	5110	600	
28	1500	11200	3240	1680	9010	1820	1670	1890	2450	53100	5260	350	
29	2170	12900	1330	2350	---	2480	2300	1750	2540	35300	3260	700	
30	1290	9250	150	1580	---	3510	1950	720	1280	15800	4590	600	
31	250	---	6080	16200	---	1490	---	2940	---	10400	2400	---	
TOTAL	30840	75950	191360	115350	419660	121280	90850	213270	74600	224850	148810	59150	
MEAN	995	2532	6173	3721	14990	3912	3028	6880	2487	7253	4800	1972	
MAX	4550	12900	10200	16200	45900	9940	5210	18800	7210	53100	11600	4200	
MIN	250	150	150	250	4220	930	250	400	150	400	790	350	
CFSM	.24	.60	1.46	.88	3.55	.93	.72	1.63	.59	1.72	1.14	.47	
IN.	.27	.67	1.69	1.02	3.70	1.07	.80	1.88	.66	1.98	1.31	.52	
CAL YR 1984	TOTAL	*****		MEAN	6482	MAX	57400	MIN	.00	CFSM	1.54	IN.	20.92
WTR YR 1985	TOTAL	1765970		MEAN	4838	MAX	53100	MIN	150	CFSM	1.15	IN.	15.57

MOBILE RIVER BASIN

02462952 BLACK WARRIOR RIVER BELOW HOLT LOCK AND DAM NEAR HOLT, AL

LOCATION.--Lat 33°15'10", long 87°27'05", in NW¼ sec. 2, T. 21 S., R. 9 W., Tuscaloosa County, Hydrologic Unit 03160112, at downstream end of lock, 0.2 mi downstream from Jim Mack Branch, 0.6 mi upstream from Hurricane Creek, 2.0 mi northeast of Holt, 3.1 mi upstream from North River, and at mile 135.0.

DRAINAGE AREA.--4,219 mi².

PERIOD OF RECORD.--July 1966 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. July 1966 to September 1971 in files of U.S. Army Corps of Engineers.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAUGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

EXTREMES (0700) FOR PERIOD OF RECORD.--Maximum gage height, 156.87 ft, Dec. 3, 1983; minimum, 121.0 ft, July 13, 1974.

EXTREMES (0700) FOR CURRENT YEAR.--Maximum gage height, 133.45 ft, Feb. 1; minimum, 122.69 ft, Oct. 1.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122.69	123.51	124.34	123.33	133.45	125.90	124.28	123.28	123.10	123.26	125.80	123.34
2	123.04	123.40	123.62	124.36	131.74	126.26	123.99	127.47	122.95	123.46	123.58	123.23
3	123.09	123.44	126.17	125.31	129.70	123.68	124.30	127.12	123.36	123.21	123.47	123.30
4	123.30	123.18	125.94	124.83	126.92	124.41	123.47	126.38	123.37	123.40	124.72	123.72
5	123.03	124.31	126.03	123.48	127.53	124.60	123.39	126.03	122.95	123.27	123.22	123.03
6	123.20	123.19	126.12	123.38	130.73	124.15	123.66	125.92	123.40	124.94	123.39	123.02
7	123.10	123.19	126.00	124.72	128.43	124.27	123.67	125.90	123.07	125.84	123.20	123.48
8	123.19	123.17	125.97	125.04	126.83	124.08	124.25	125.34	123.39	123.34	124.92	122.91
9	123.12	123.42	125.54	125.00	126.87	123.50	123.87	126.73	123.13	123.19	123.17	123.24
10	123.97	123.34	125.84	124.78	126.37	123.45	124.24	128.19	124.01	123.23	123.07	123.31
11	123.42	123.19	124.40	124.14	125.02	124.07	124.04	128.19	123.68	123.37	123.31	123.60
12	123.04	123.41	125.77	124.27	128.78	123.82	123.94	127.41	123.52	123.25	123.27	123.16
13	123.14	123.16	125.40	123.26	127.72	123.37	123.58	126.70	123.24	123.10	123.70	123.32
14	123.21	123.70	125.44	124.63	126.74	123.44	123.33	126.29	123.50	122.98	123.08	123.18
15	122.82	123.28	124.19	124.37	126.27	124.27	123.61	125.77	123.25	123.11	123.24	123.36
16	123.07	123.23	124.28	123.76	125.93	123.46	123.64	125.70	123.40	123.30	123.46	123.34
17	124.21	123.18	124.21	123.44	125.91	123.05	123.85	123.37	123.43	123.40	126.21	122.90
18	123.13	123.62	124.92	124.17	125.88	123.39	123.80	123.33	123.30	123.38	125.97	123.28
19	122.71	123.29	125.07	123.55	126.45	124.01	123.33	123.27	123.31	122.90	123.55	123.15
20	122.98	123.51	124.23	123.36	125.90	123.98	123.45	122.75	123.34	123.16	123.44	123.20
21	123.28	124.17	125.01	125.09	125.13	123.77	123.29	123.60	123.40	122.85	123.35	123.33
22	123.26	123.27	123.47	123.82	124.88	124.92	123.30	123.20	123.38	123.13	123.37	123.27
23	123.24	123.84	123.75	124.67	123.68	123.79	123.36	123.42	123.44	123.28	123.40	123.26
24	123.93	123.28	124.79	124.03	126.21	123.46	123.49	123.23	123.25	123.33	123.26	123.01
25	123.19	123.56	123.34	124.00	125.31	124.59	123.58	123.20	123.30	123.07	123.71	122.98
26	123.47	124.37	123.96	123.23	127.04	123.29	123.59	123.17	123.60	123.07	123.43	123.12
27	123.25	123.53	123.50	123.38	126.81	123.31	123.62	123.05	123.20	125.38	123.21	123.56
28	123.16	126.16	124.23	123.78	126.65	123.25	123.07	123.16	123.00	132.71	123.35	122.95
29	123.33	126.81	123.32	124.80	---	123.20	123.52	123.37	122.96	131.65	123.32	123.03
30	123.17	126.09	123.28	124.72	---	123.29	123.33	123.12	123.18	126.81	123.23	122.72
31	123.25	---	123.83	128.48	---	123.55	---	123.62	---	126.22	123.30	---
MEAN	123.23	123.76	124.71	124.30	127.10	123.92	123.66	124.88	123.31	124.21	123.70	123.21
MAX	124.21	126.81	126.17	128.48	133.45	126.26	124.30	128.19	124.01	132.71	126.21	123.72
MIN	122.69	123.16	123.28	123.23	123.68	123.05	123.07	122.75	122.95	122.85	123.07	122.72

WTR YR 1985 MEAN 124.15 HIGH 133.45 FEB 1 LOW 122.69 OCT 1

MOBILE RIVER BASIN

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02464000 NORTH RIVER NEAR SAMANTHA, AL

LOCATION.--Lat 33°28'45", long 87°35'50", in SW¼ sec. 16, T. 18 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, on left bank about 200 ft downstream from bridge on county road, 1.2 mi upstream from Cripple Creek, 4 mi north of Samantha, and at mile 36.9.

DRAINAGE AREA.--223 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1938 to September 1954, October 1968 to current year.

REVISED RECORDS.--WSP 1304: 1939(M): WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 232.39 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 25, 1939, nonrecording gage 40 ft downstream at same datum.

REMARKS.--No estimated daily discharges. Water-discharge records good except those below 10 ft³/s, which are poor.

AVERAGE DISCHARGE.--32 years (water years 1940-54, 1969-85), 396 ft³/s, 24.12 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,500 ft³/s, Mar. 20, 1970, gage height, 35.08 ft; minimum, 0.1 ft³/s, Sept. 5-8, 13-15, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of July 1916 and February 1936 reached a stage of about 31 ft, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 2	2400	*5,700	*12.84				

Minimum discharge, 3.6 ft³/s, Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	35	194	66	3460	513	203	1080	38	32	103	47
2	4.0	66	135	140	2850	450	164	4710	33	28	88	37
3	4.8	97	604	129	1230	363	141	3580	30	23	79	34
4	5.0	83	327	126	853	311	131	1070	27	39	58	33
5	5.0	69	257	123	2520	287	126	645	22	67	46	33
6	5.1	55	270	104	3260	240	432	438	20	65	38	29
7	5.4	44	207	94	1620	206	338	327	17	56	35	27
8	7.2	37	162	88	1130	191	237	301	16	38	32	35
9	9.9	34	133	79	837	184	179	564	16	31	29	30
10	11	34	112	76	612	171	150	465	349	25	25	32
11	9.2	41	94	90	1640	160	133	451	317	20	22	28
12	8.4	59	82	86	2610	152	119	344	199	17	20	23
13	6.8	53	74	73	1320	137	109	261	105	15	16	20
14	8.0	42	67	69	923	130	109	205	58	13	14	18
15	7.6	38	59	67	718	122	358	164	41	13	14	17
16	7.4	48	54	68	582	114	318	134	45	13	231	15
17	177	66	51	258	491	110	226	117	41	13	1170	15
18	93	66	49	344	417	101	174	106	45	12	426	13
19	35	85	47	264	368	92	146	96	173	11	186	12
20	23	92	46	206	341	87	129	87	106	11	104	11
21	39	76	45	147	307	93	113	85	67	9.9	95	11
22	178	62	67	168	242	125	101	101	51	8.7	73	11
23	355	53	87	162	187	152	87	90	42	15	55	18
24	348	50	71	139	325	128	332	75	38	16	51	68
25	119	47	68	115	655	110	1080	66	32	14	146	51
26	65	44	64	100	1370	94	547	59	28	21	157	33
27	44	86	58	83	943	87	344	53	27	360	92	25
28	58	1260	57	92	646	96	253	47	65	592	70	21
29	66	610	59	104	---	99	196	45	48	286	57	18
30	58	275	61	118	---	91	156	43	37	153	48	25
31	44	---	61	1330	---	126	---	41	---	196	43	---
TOTAL	1810.7	3707	3722	5108	32457	5322	7131	15850	2133	2213.6	3623	790
MEAN	58.4	124	120	165	1159	172	238	511	71.1	71.4	117	26.3
MAX	355	1260	604	1330	3460	513	1080	4710	349	592	1170	68
MIN	3.9	34	45	66	187	87	87	41	16	8.7	14	11
CPSM	.26	.56	.54	.74	5.20	.77	1.07	2.29	.32	.32	.52	.12
IN.	.30	.62	.62	.85	5.41	.89	1.19	2.64	.36	.37	.60	.13

CAL YR 1984	TOTAL	133246.2	MEAN	364	MAX	6360	MIN	3.3	CPSM	1.63	IN.	22.23
WTR YR 1985	TOTAL	83867.3	MEAN	230	MAX	4710	MIN	3.9	CPSM	1.03	IN.	13.99

MOBILE RIVER BASIN

02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1972 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to September 1981, October 1982 to current year.

pH: October 1982 to current year.

WATER TEMPERATURES: October 1980 to September 1981, October 1982 to current year.

DISSOLVED OXYGEN: October 1982 to current year.

INSTRUMENTATION.--Water-quality monitor October 1980 to September 1981 and October 1982 to current year.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument and vandalism. In addition to the water-quality monitor record, samples were collected approximately once a month.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 549 microsiemens, Aug. 12, 1983; minimum, 21 microsiemens, May 2, 1985.

pH: Maximum, 7.8 units, Apr. 3, 1985; minimum, 4.7 units Dec. 1, 1982.

WATER TEMPERATURES: Maximum, 29.5°C, June 4-7, 26, July 14; minimum, 0°C, Jan. 12-19, 1981, Dec. 25-27, 1983, Jan. 24, 27, 1985.

DISSOLVED OXYGEN: Maximum, 14.6 mg/L, Jan. 23, 1985; minimum, 4.4 mg/L, Oct. 16, 21, 1984.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 386 microsiemens, Oct. 20; minimum, 21 microsiemens, May 2.

pH: Maximum, 7.8 units, Apr. 3; minimum, 5.5 units, Feb. 5.

WATER TEMPERATURES: Maximum, 29.5°C, June 4-7, 26, July 14; minimum, 0°C, Jan. 24, 27.

DISSOLVED OXYGEN: Maximum, 14.6 mg/L, Jan. 23; minimum, 4.4 mg/L, Oct. 16, 21.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION	CHEMICAL OXYGEN DEMAND (COD)	COLI- FORM, FECAL, 0.7 UM-MP (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
OCT												
01...	1230	3.7	165	6.3	17.0	7.5	77	--	--	--	22	9
NOV												
06...	1130	56	139	6.0	14.0	9.0	87	--	--	--	--	--
DEC												
03...	1310	821	75	6.0	10.0	10.7	95	--	--	--	--	--
JAN												
02...	1300	167	94	6.0	12.5	10.4	95	--	710	160	29	19
FEB												
01...	1130	3860	51	5.8	6.0	11.1	89	--	K770	K1400	13	9
MAR												
01...	1250	530	63	5.9	10.5	10.8	--	--	--	--	--	--
APR												
01...	1215	224	79	6.9	17.0	9.7	100	--	120	33	24	14
30...	1145	151	63	6.8	21.5	8.8	88	--	--	--	22	12
JUN												
03...	0915	30	195	7.0	25.5	6.5	78	--	--	--	--	--
JUL												
01...	1015	32	111	7.1	23.5	8.0	95	20	--	--	32	17
AUG												
01...	1330	98	112	6.8	26.5	7.3	90	--	--	--	--	--
30...	1300	45	184	6.9	26.5	7.6	93	--	--	--	--	--
SEP												
30...	1225	19	293	6.9	19.0	7.9	85	--	--	--	--	--
DATE		CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFIDE TOTAL (MG/L AS S)	SULFATE DIS- SOLVED (MG/L AS SO4)	
OCT												
01...		3.7	3.0	20	65	2	1.6	13	13	--	26	
NOV												
06...		--	--	--	--	--	--	8	15	--	--	
DEC												
03...		--	--	--	--	--	--	5	9.7	--	--	
JAN												
02...		5.3	3.8	4.7	25	.4	1.1	10	19	<.5	23	
FEB												
01...		2.6	1.7	2.3	25	.3	1.3	5	15	--	12	
MAR												
01...		--	--	--	--	--	--	6	16	--	--	
APR												
01...		4.5	3.2	3.9	25	.4	.90	10	2.4	<.5	19	
30...		3.9	2.9	2.7	20	.3	.90	10	3.1	<.5	16	
JUN												
03...		--	--	--	--	--	--	18	3.5	--	--	
JUL												
01...		6.0	4.1	6.1	28	.5	1.4	15	2.3	<.5	25	
AUG												
01...		--	--	--	--	--	--	13	4.0	--	--	
30...		--	--	--	--	--	--	14	3.8	--	--	
SEP												
30...		--	--	--	--	--	--	17	4.1	--	--	

MOBILE RIVER BASIN

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02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 01...	21	<.10	4.1	86	88	0.12	0.86	--	--
NOV 06...	--	--	--	--	--	--	--	--	--
DEC 03...	--	--	--	--	--	--	--	--	--
JAN 02...	3.8	<.10	6.7	56	55	.08	25	--	<.010
FEB 01...	2.0	<.10	5.8	38	31	.05	396	0.18	.020
MAR 01...	--	--	--	--	--	--	--	--	--
APR 01...	3.8	<.10	6.7	--	48	.07	29	--	<.010
30...	2.7	<.10	8.1	42	44	.06	17	.08	.020
JUN 03...	--	--	--	--	--	--	--	--	--
JUL 01...	5.2	.10	5.8	76	63	.10	6.6	--	<.010
AUG 01...	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--
SEP 30...	--	--	--	--	--	--	--	--	--

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
OCT 01...	<.010	<.10	0.02	<.10	--	<.010	<.010
NOV 06...	--	--	--	--	--	--	--
DEC 03...	--	--	--	--	--	--	--
JAN 02...	--	<.10	--	.80	--	<.010	<.010
FEB 01...	--	.20	--	1.1	1.3	.110	.040
MAR 01...	--	--	--	--	--	--	--
APR 01...	--	<.10	--	.70	--	<.010	<.010
30...	--	.10	--	.40	.50	<.010	.010
JUN 03...	--	--	--	--	--	--	--
JUL 01...	--	.10	--	.30	.40	.020	.010
AUG 01...	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--
SEP 30...	--	--	--	--	--	--	--

MOBILE RIVER BASIN

02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 01...	--	--	--	--	--	730	450	280
JAN 02...	--	<20	--	--	--	1200	830	370
FEB 01...	--	<20	--	--	--	12000	11800	170
APR 01...	--	<20	--	--	--	1000	720	280
30...	--	<20	--	--	--	790	450	340
JUL 01...	2	<20	<1	<1	<1	940	680	260

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)
OCT 01...	--	280	50	230	--	--	--	--
JAN 02...	--	110	26	84	--	--	--	--
FEB 01...	--	1000	690	310	--	--	--	--
APR 01...	--	90	14	76	--	--	--	--
30...	--	100	17	83	--	--	--	--
JUL 01...	3	100	40	64	<.1	0.2	<.1	<.1

DATE	CYANIDE TOTAL (MG/L AS CN)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JAN 02...	<.01	--	--	--	--	--	--	--	--	--	--
APR 01...	<.01	--	--	--	--	--	--	--	--	--	--
30...	<.01	--	--	--	--	--	--	--	--	--	--
JUL 01...	<.01	<1.0	<1	<.1	<1.0	0.2	0.9	0.9	<.1	<.1	<.1

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, IN BOTTOM MATERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOTTOM MATERIAL (UG/KG)
JAN 02...	--	--	--	--	--	--	--	--	--	--	--
APR 01...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	<.1	<.1	<.1	<.1	<10	<.10	<.1	<.10	<.1	<.1	<1.00

MOBILE RIVER BASIN

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02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	172	164	170	125	122	124	72	63	68	91	84	87
2	165	153	160	122	112	116	75	70	72	122	91	99
3	158	144	151	114	94	103	120	56	80	122	82	102
4	148	137	143	119	103	109	58	55	56	111	80	102
5	141	132	136	150	123	142	58	54	55	80	59	67
6	132	127	129	147	138	142	76	59	66	67	58	63
7	128	125	126	154	135	144	77	63	70	71	61	66
8	127	123	125	135	120	126	77	61	70	76	64	70
9	135	125	128	126	113	119	79	66	71	71	65	67
10	151	135	143	117	113	114	78	66	73	69	68	69
11	185	151	160	119	115	116	83	72	78	79	69	74
12	178	162	169	136	119	126	86	69	78	82	74	78
13	187	177	181	146	136	142	71	65	67	84	76	81
14	192	184	187	138	113	124	76	66	70	81	72	75
15	196	192	195	118	105	112	75	66	72	87	80	84
16	193	190	192	116	103	108	78	69	73	86	72	80
17	190	110	147	133	116	128	79	71	75	80	67	73
18	176	120	144	137	126	132	89	78	85	85	58	71
19	366	117	218	141	114	132	96	90	93	111	73	89
20	386	268	350	114	96	101	107	93	98	81	76	79
21	260	137	188	132	109	118	109	80	94	82	79	80
22	153	105	134	139	132	136	86	79	83	100	79	88
23	283	131	183	134	114	123	86	77	83	105	95	101
24	108	74	94	122	115	118	82	76	79	95	82	90
25	137	108	128	120	110	115	90	78	82	93	70	82
26	145	125	128	126	102	113	103	90	98	83	72	80
27	134	128	132	102	68	93	113	103	108	81	71	77
28	134	108	120	164	64	97	117	103	110	71	66	69
29	108	89	97	68	60	64	107	101	103	73	64	67
30	123	90	105	66	61	63	109	96	104	67	60	63
31	129	121	125	---	---	---	97	85	90	57	39	45
MONTH	386	74	154	164	60	117	120	54	81	122	39	78
FEBRUARY			MARCH			APRIL			MAY			
1	42	30	33	72	61	65	101	77	90	59	37	50
2	34	26	30	76	68	70	102	75	91	40	21	29
3	37	34	36	83	75	79	105	79	92	42	23	31
4	39	37	38	84	78	81	88	77	82	45	28	36
5	41	33	37	88	79	84	82	67	73	53	36	45
6	37	32	33	89	78	85	92	62	75	60	43	52
7	36	33	34	91	81	87	112	62	90	65	53	59
8	39	36	38	104	91	98	89	69	79	61	57	60
9	42	38	41	109	100	104	83	69	76	63	58	61
10	62	41	44	113	100	107	79	63	70	81	63	74
11	76	47	63	113	106	111	93	66	75	80	68	74
12	102	44	62	129	108	113	103	95	100	83	73	78
13	78	47	61	115	103	111	106	92	98	90	79	84
14	87	53	75	127	103	108	111	97	105	94	86	90
15	92	62	76	114	102	108	107	94	102	98	90	94
16	102	62	81	113	106	109	104	79	90	101	90	95
17	96	64	83	118	102	108	88	69	77	98	93	96
18	103	64	82	127	118	123	87	71	79	100	90	94
19	102	72	89	127	119	124	73	62	68	103	93	98
20	125	70	93	130	122	125	71	62	65	110	95	102
21	106	70	87	127	117	122	71	63	67	135	110	123
22	78	73	75	129	94	105	76	70	72	145	130	137
23	76	72	74	116	103	110	70	67	68	146	137	141
24	71	64	69	129	105	114	69	63	65	143	135	139
25	80	65	70	124	111	118	98	62	75	144	138	142
26	92	59	69	115	104	109	66	61	64	142	136	139
27	60	55	57	112	106	109	70	64	67	148	133	141
28	63	58	60	107	82	97	74	69	71	157	143	148
29	---	---	---	82	68	78	78	71	75	168	157	164
30	---	---	---	89	81	85	79	58	71	186	167	176
31	---	---	---	95	86	89	---	---	---	200	186	191
MONTH	125	26	60	130	61	101	112	58	79	200	21	98

MOBILE RIVER BASIN

02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	204	200	202	119	108	112	117	83	97	194	187	191
2	206	196	201	175	118	140	106	90	97	221	194	212
3	197	190	194	232	175	212	96	92	94	242	220	229
4	190	180	183	255	232	243	131	90	108	249	242	246
5	199	185	187	242	182	208	129	120	123	249	247	248
6	194	185	189	227	173	203	121	114	118	273	248	259
7	199	194	196	195	130	141	119	110	115	299	273	287
8	205	195	201	178	130	153	122	118	120	351	299	332
9	207	202	204	187	172	181	122	116	119	355	344	349
10	192	107	190	222	171	189	127	118	122	356	292	324
11	107	74	89	244	222	239	133	127	130	344	302	324
12	76	66	70	241	232	236	129	125	127	365	344	357
13	86	68	78	232	225	229	125	122	124	356	332	340
14	91	78	87	225	214	220	124	121	123	385	356	376
15	80	72	77	215	207	210	123	109	119	400	385	395
16	99	79	87	212	207	210	109	47	83	401	381	395
17	107	97	102	210	202	206	158	61	95	379	317	350
18	106	93	98	202	191	196	98	65	73	317	277	297
19	186	96	155	191	179	185	92	73	82	277	253	266
20	230	111	169	180	174	177	98	89	94	253	231	242
21	114	103	108	174	166	169	113	98	105	231	225	227
22	142	114	133	169	161	166	117	101	109	247	226	234
23	154	139	144	161	153	156	143	112	125	258	188	238
24	168	154	163	165	154	160	143	127	136	539	238	426
25	169	165	167	179	165	169	178	129	150	512	384	412
26	189	168	177	216	104	180	311	145	227	536	422	494
27	202	190	197	181	79	117	164	127	149	649	499	544
28	209	202	205	200	79	108	217	164	188	736	595	694
29	203	151	183	119	71	89	226	217	222	595	337	440
30	149	113	129	73	63	69	219	175	195	337	292	310
31	---	---	---	86	74	80	190	174	180	---	---	---
MONTH	230	66	152	255	63	173	311	47	127	736	187	335
YEAR	386	21	130									

PH (STANDARD UNITS), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.4	6.3	6.1	6.1	6.1	6.0	5.9	5.9	6.0	5.7	6.6	5.8
2	6.4	6.4	6.1	6.0	6.1	6.1	6.2	5.8	5.8	5.7	6.7	6.4
3	6.4	6.4	6.1	6.1	6.4	6.0	6.2	6.0	5.7	5.6	6.8	6.5
4	6.4	6.4	6.1	6.0	6.1	6.0	6.1	6.0	5.6	5.6	6.7	6.6
5	6.4	6.3	6.1	6.0	6.2	6.1	6.1	6.0	5.9	5.5	6.7	6.7
6	6.4	6.3	6.3	6.0	6.2	6.2	6.0	6.0	6.0	5.9	6.7	6.7
7	6.5	6.3	6.4	6.1	6.2	6.2	6.0	6.0	6.1	6.0	6.8	6.7
8	6.3	6.3	6.2	6.2	6.2	6.2	6.0	6.0	6.2	6.1	6.8	6.8
9	6.5	6.2	6.2	6.2	6.3	6.2	6.1	6.0	6.3	6.2	6.9	6.8
10	6.5	6.2	6.2	6.1	6.3	6.2	6.0	6.0	6.3	6.3	6.9	6.9
11	6.2	6.2	6.2	6.1	6.3	6.2	6.1	6.0	6.4	6.0	7.0	6.9
12	6.2	6.2	6.3	6.2	6.2	6.2	6.1	6.0	6.0	5.9	7.0	6.9
13	6.2	6.1	6.3	6.2	6.2	6.1	6.1	6.1	6.1	5.9	7.0	6.9
14	6.2	6.2	6.3	6.2	6.1	6.1	6.1	6.0	6.2	6.1	7.0	6.9
15	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.1	6.3	6.2	7.1	7.0
16	6.2	6.1	6.2	6.1	6.1	6.1	6.1	6.0	6.3	6.3	7.1	7.0
17	6.3	5.8	6.2	6.2	6.1	6.0	6.0	5.9	6.4	6.3	7.1	7.0
18	6.1	5.6	6.2	6.1	6.1	6.0	6.0	6.0	6.4	6.3	7.2	7.1
19	6.2	5.7	6.2	6.1	6.1	6.0	6.1	6.0	6.4	6.4	7.2	7.1
20	6.5	6.2	6.1	6.1	6.1	6.0	6.0	6.0	6.4	6.3	7.2	7.2
21	6.2	6.1	6.2	6.1	6.0	6.0	6.0	6.0	6.3	6.2	7.2	7.2
22	6.2	6.0	6.2	6.2	6.0	6.0	6.0	6.0	6.6	6.3	7.3	7.2
23	6.5	6.0	6.2	6.2	6.0	6.0	6.1	6.0	6.6	6.5	7.4	7.3
24	6.2	5.8	6.2	6.2	6.0	6.0	6.2	6.1	6.5	6.4	7.3	7.2
25	6.2	5.9	6.2	6.2	6.0	6.0	6.2	6.2	6.4	6.2	7.3	7.2
26	6.0	6.0	6.4	6.2	6.0	6.0	6.2	6.2	6.2	6.1	7.2	7.1
27	6.0	6.0	6.2	6.0	6.0	6.0	6.3	6.2	6.1	6.0	7.2	7.1
28	6.0	6.0	6.1	5.8	6.0	6.0	6.3	6.3	6.0	5.9	7.1	7.0
29	6.0	6.0	5.9	5.8	6.0	6.0	6.4	6.3	---	---	7.1	7.0
30	6.0	6.0	6.0	5.9	6.0	5.9	6.4	6.3	---	---	7.0	6.9
31	6.1	6.0	---	---	5.9	5.9	6.4	5.8	---	---	7.0	6.9
MONTH	6.5	5.6	6.4	5.8	6.4	5.9	6.4	5.8	6.6	5.5	7.4	5.8

MOBILE RIVER BASIN

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Q2464000 NORTH RIVER NEAR SAMANTHA, AL--Continued
 PH (STANDARD UNITS), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.9	6.9	7.2	6.7	7.1	6.9	7.4	7.1	6.9	6.6	6.5	6.3
2	7.7	7.6	6.7	6.5	7.1	6.8	7.4	7.0	7.0	6.9	6.5	6.3
3	7.8	7.7	6.7	6.5	7.2	6.8	7.4	7.1	7.0	6.9	6.5	6.3
4	7.7	7.6	6.8	6.7	7.2	6.9	7.4	7.0	7.1	6.9	6.5	6.3
5	7.7	7.6	6.8	6.8	7.2	7.0	7.3	7.1	7.2	7.0	6.5	6.3
6	7.6	7.5	6.9	6.8	7.1	7.0	7.1	6.9	7.0	7.0	7.2	6.3
7	7.7	7.5	6.8	6.8	7.1	7.0	7.1	6.9	7.1	7.0	7.2	7.0
8	7.7	7.6	6.9	6.8	7.1	7.0	7.2	6.9	7.2	7.0	7.3	7.0
9	7.7	7.6	6.8	6.7	7.1	7.0	7.1	6.9	7.2	7.0	7.3	7.0
10	7.7	7.6	6.8	6.8	7.1	6.5	7.0	6.8	7.2	7.0	7.3	7.0
11	7.7	7.6	6.8	6.7	6.6	6.4	7.0	6.8	7.2	7.0	7.2	7.0
12	7.7	7.7	6.7	6.7	6.7	6.6	7.1	6.8	7.1	6.9	7.2	7.0
13	7.7	7.6	6.7	6.7	6.9	6.7	7.0	6.8	7.1	6.9	7.2	7.0
14	7.7	7.6	6.7	6.6	7.0	6.9	7.0	6.8	7.1	7.0	7.3	7.0
15	7.7	7.6	6.7	6.6	6.9	6.9	7.0	6.8	7.1	7.0	7.3	7.0
16	7.6	7.5	6.7	6.6	7.0	6.8	7.0	6.8	7.1	6.6	7.2	7.0
17	7.6	7.5	6.6	6.5	7.0	6.9	7.0	6.8	6.8	6.5	7.2	7.0
18	7.7	7.5	6.6	6.5	7.0	6.9	7.0	6.8	6.8	6.7	7.1	6.9
19	7.7	7.6	6.6	6.5	7.2	7.0	6.9	6.8	6.9	6.8	7.1	7.0
20	7.7	7.6	6.6	6.4	7.3	7.1	6.9	6.7	6.9	6.8	7.1	6.9
21	7.7	7.6	7.0	6.4	7.2	7.1	6.9	6.8	7.0	6.9	7.1	6.9
22	7.7	7.6	6.5	6.4	7.3	7.1	6.9	6.8	7.0	6.9	7.1	6.8
23	7.7	7.6	6.9	6.3	7.4	7.1	7.0	6.7	7.0	7.0	7.0	6.8
24	7.6	7.4	7.0	6.7	7.4	7.1	7.0	6.8	7.1	7.0	7.2	6.9
25	7.5	7.4	7.1	6.8	7.4	7.1	7.1	6.9	7.2	7.0	7.1	7.0
26	7.5	7.4	7.2	6.9	7.5	7.1	7.0	6.5	7.2	7.1	7.1	7.0
27	7.5	7.5	7.2	6.9	7.4	7.1	6.9	6.4	7.1	6.8	7.1	6.9
28	7.6	7.5	7.2	6.9	7.4	7.1	6.7	6.4	7.3	7.1	7.2	7.0
29	7.6	7.5	7.1	6.9	7.4	7.2	6.8	6.6	7.3	7.2	7.2	7.0
30	7.6	6.9	7.1	6.9	7.4	7.1	6.6	6.5	7.2	6.3	7.1	6.9
31	---	---	7.2	6.9	---	---	6.6	6.5	6.5	6.2	---	---
MONTH	7.8	6.9	7.2	6.3	7.5	6.4	7.4	6.4	7.3	6.2	7.3	6.3
YEAR	7.8	5.5										

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	17.0	16.0	16.5	21.0	20.0	20.5	10.0	9.0	9.5	15.0	14.0	15.0
2	15.5	13.5	14.5	20.0	18.0	19.0	9.5	9.0	9.0	14.0	12.0	13.0
3	15.0	12.5	13.5	18.0	17.0	17.5	10.0	9.0	10.0	12.0	9.5	10.5
4	15.0	13.0	14.0	17.0	16.5	17.0	9.5	8.5	9.0	9.5	6.5	8.0
5	16.0	13.5	14.5	17.5	16.0	16.5	8.5	8.0	8.0	6.5	5.0	6.0
6	17.5	15.0	16.0	15.5	11.5	13.5	8.5	7.0	8.0	5.5	4.5	5.0
7	18.5	16.5	17.5	12.0	10.0	11.0	7.0	5.0	6.0	5.5	4.0	4.5
8	18.0	17.5	17.5	11.5	10.0	11.0	5.5	4.5	5.0	5.5	4.0	4.5
9	18.5	17.0	17.5	12.5	10.5	11.5	6.5	5.0	5.5	5.5	4.0	5.0
10	18.0	17.0	17.5	13.0	11.5	12.0	8.5	6.5	7.5	6.0	5.0	5.5
11	19.5	17.5	18.5	12.0	11.0	11.5	9.0	8.0	8.5	6.0	5.0	5.5
12	19.5	17.5	18.5	11.0	10.0	10.5	9.5	8.0	9.0	5.0	4.0	4.5
13	20.0	18.0	18.5	9.5	8.5	9.0	11.5	9.0	10.5	4.0	3.0	3.5
14	19.5	18.0	18.5	9.0	7.5	8.5	12.5	11.0	11.5	4.5	3.0	4.0
15	20.5	19.0	19.5	10.0	8.0	9.0	12.0	11.0	11.5	4.0	3.0	3.5
16	21.0	19.5	20.0	11.5	10.0	10.5	13.0	11.5	12.0	3.5	2.5	3.0
17	20.5	18.5	19.5	10.0	8.5	9.5	13.0	12.0	12.5	4.0	3.5	3.5
18	20.5	19.0	20.0	11.5	9.5	10.5	14.0	12.5	13.0	5.0	4.0	4.5
19	21.5	19.5	20.5	12.0	11.5	11.5	14.0	12.5	13.5	5.5	4.0	5.0
20	22.0	20.0	21.0	11.5	9.5	10.5	14.5	13.5	14.0	5.0	1.5	3.5
21	21.0	20.0	20.5	9.5	8.5	9.0	15.0	14.0	14.5	1.5	.5	.5
22	20.0	19.5	20.0	8.5	7.0	7.5	15.0	13.5	14.5	1.0	.5	.5
23	20.0	19.5	19.5	7.5	6.0	6.5	13.5	12.0	12.5	1.0	.5	.5
24	20.0	19.5	19.5	7.0	5.5	6.0	13.0	11.5	12.5	1.5	.0	.5
25	21.0	19.5	20.0	7.5	6.0	6.5	13.0	11.5	12.5	2.0	.5	1.0
26	21.0	19.0	20.0	8.5	7.0	8.0	11.5	10.5	11.0	2.0	.5	1.0
27	19.5	18.5	19.5	11.5	8.5	10.0	11.5	10.5	11.0	1.0	.0	.5
28	20.5	19.5	20.0	11.5	11.0	11.5	12.0	10.5	11.5	2.0	1.0	1.5
29	21.5	20.0	20.5	11.0	9.0	9.5	13.0	11.5	12.5	3.0	1.0	2.0
30	22.0	20.0	20.5	9.5	9.0	9.0	14.5	13.0	13.5	3.5	2.0	2.5
31	21.5	19.5	20.5	---	---	---	15.0	13.5	14.0	6.0	3.5	5.5
MONTH	22.0	12.5	18.5	21.0	5.5	11.0	15.0	4.5	11.0	15.0	.0	4.5

02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.0	5.5	6.0	11.5	10.5	11.0	17.5	15.5	16.5	21.0	18.0	19.5
2	5.5	4.5	5.0	12.5	11.5	12.0	16.0	14.0	15.0	18.0	17.5	17.5
3	4.5	3.0	3.5	13.5	11.5	12.5	16.0	13.0	14.5	17.5	17.0	17.0
4	3.5	3.0	3.5	15.0	13.0	14.0	17.5	14.5	15.0	17.5	16.0	17.0
5	6.5	3.5	5.5	16.0	14.5	15.0	18.0	16.5	17.0	17.5	16.5	17.0
6	7.0	6.5	7.0	14.5	12.5	13.5	16.5	15.0	16.0	18.5	17.0	18.0
7	6.5	5.5	6.0	13.5	11.5	12.5	16.5	14.5	15.5	19.5	18.0	19.0
8	5.5	4.5	5.0	14.5	12.5	13.5	16.0	14.5	15.0	19.5	18.5	19.0
9	5.0	4.0	4.5	15.5	14.5	15.0	15.0	13.0	14.0	18.5	17.5	17.5
10	6.5	5.0	5.5	16.0	14.5	15.0	14.5	12.5	13.5	17.5	17.0	17.5
11	7.5	6.5	7.0	17.5	15.5	16.0	15.0	13.0	14.0	18.5	17.5	18.0
12	7.0	6.0	6.5	18.5	16.5	17.5	15.5	14.5	15.0	20.5	18.5	19.5
13	6.0	5.5	6.0	17.0	16.0	16.5	17.5	15.0	16.5	22.0	20.0	20.5
14	6.5	5.5	6.0	16.5	15.0	15.5	17.5	16.5	17.0	23.0	21.0	22.0
15	6.0	5.5	6.0	16.0	14.0	14.5	17.5	16.5	17.0	24.0	22.0	23.0
16	5.5	4.5	5.0	14.5	13.5	14.0	17.5	15.5	16.5	23.0	21.0	22.0
17	6.5	5.0	5.5	16.0	13.5	14.5	19.0	16.5	17.5	22.0	20.5	21.0
18	7.5	6.0	6.5	15.0	12.5	13.5	20.0	17.5	18.5	21.0	18.5	20.0
19	9.0	7.5	8.5	14.5	11.5	13.0	20.5	18.5	19.5	21.0	18.5	19.5
20	11.0	9.0	10.0	13.5	11.0	12.5	21.5	19.0	20.0	21.5	19.0	20.5
21	11.5	10.0	10.5	13.0	12.5	13.0	22.0	19.5	20.5	22.5	20.0	21.5
22	12.0	10.5	11.5	13.5	12.5	13.0	22.5	19.5	21.0	23.0	21.0	22.0
23	13.5	12.0	12.5	15.5	13.0	14.0	22.0	20.5	21.5	23.5	21.5	22.5
24	14.0	13.5	14.0	17.0	14.5	15.5	21.5	20.0	21.0	23.0	20.5	22.0
25	14.0	13.0	13.5	16.5	14.5	15.5	20.0	18.0	19.0	22.5	20.0	21.5
26	13.0	12.5	12.5	16.5	13.5	15.0	19.5	18.0	19.0	23.0	20.0	21.5
27	12.5	11.5	12.0	15.0	13.5	14.5	20.0	19.0	19.5	23.5	21.0	22.0
28	11.5	10.0	11.0	16.5	14.5	15.5	21.5	19.5	20.5	24.5	21.5	23.0
29	---	---	---	19.5	16.0	17.5	22.0	20.0	21.0	24.5	22.5	23.5
30	---	---	---	20.0	18.0	19.0	21.5	21.0	21.0	25.5	22.5	24.0
31	---	---	---	19.5	17.5	19.0	---	---	---	27.0	23.5	25.0
MONTH	14.0	3.0	7.5	20.0	10.5	14.5	22.5	12.5	17.5	27.0	16.0	20.5
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.5	24.5	26.0	25.5	24.0	24.5	27.0	24.5	25.5	27.0	25.0	26.0
2	29.0	25.0	27.0	25.5	22.5	24.0	27.5	25.5	26.0	26.5	25.0	25.5
3	29.0	25.0	27.0	26.5	23.0	24.5	26.0	25.0	25.5	26.0	24.5	25.5
4	29.5	25.0	27.5	26.5	23.5	24.5	26.5	24.0	25.0	26.5	24.0	25.0
5	29.5	26.0	28.0	25.5	24.0	24.5	26.0	24.0	25.0	27.0	24.5	25.5
6	29.5	26.5	28.5	24.5	23.0	24.0	25.0	24.5	25.0	27.5	24.5	26.0
7	29.5	27.0	28.0	25.5	23.0	24.0	26.0	24.0	25.0	26.5	25.0	26.0
8	28.0	25.5	27.0	26.5	24.0	25.0	27.0	24.5	26.0	27.5	24.5	26.0
9	29.0	25.5	27.5	28.0	24.5	26.0	28.0	24.5	26.0	27.5	25.0	26.0
10	28.0	22.5	25.0	28.0	24.5	26.5	28.5	25.0	26.5	28.0	25.0	26.5
11	23.5	22.0	22.5	28.5	25.5	27.0	28.5	25.0	27.0	27.5	25.0	26.5
12	23.5	22.5	23.0	29.0	25.0	27.0	29.0	26.0	27.5	27.0	24.5	26.0
13	23.0	21.0	22.0	29.0	25.5	27.5	28.5	26.0	27.5	26.0	24.5	25.0
14	23.5	20.5	22.0	29.5	26.5	28.0	29.0	26.0	27.5	24.5	23.0	23.5
15	23.0	21.5	22.0	28.5	27.0	27.5	28.0	26.0	27.0	23.0	21.0	22.0
16	25.0	22.5	23.5	28.0	26.0	27.0	26.5	23.5	24.5	22.5	21.0	21.5
17	26.5	24.0	25.0	28.0	25.5	27.0	23.5	23.0	23.0	22.5	20.0	21.5
18	25.5	24.0	24.5	28.5	25.5	27.0	24.5	23.0	23.5	22.5	20.0	21.5
19	24.0	23.0	23.5	28.5	26.0	27.5	25.5	23.5	24.5	22.5	20.5	21.5
20	24.0	22.0	23.0	29.0	26.5	27.5	25.5	24.5	25.0	22.5	21.0	21.5
21	24.5	22.0	23.5	29.0	26.5	27.5	26.0	24.0	25.0	23.0	21.0	22.0
22	25.5	23.0	24.5	28.5	27.0	27.5	26.0	23.5	24.5	23.5	21.5	22.5
23	27.0	24.5	25.5	27.0	26.0	26.5	25.5	23.5	24.5	23.5	22.5	23.0
24	28.5	25.5	27.0	26.5	25.5	26.0	26.0	24.5	25.0	23.5	22.0	22.5
25	29.0	26.0	27.5	26.5	25.0	25.5	25.0	24.0	24.5	22.0	20.5	21.5
26	29.5	26.5	28.0	27.0	24.5	25.5	24.0	23.0	23.5	23.0	21.5	22.0
27	29.0	26.5	27.5	25.0	23.5	24.5	24.5	22.5	23.5	21.5	19.0	20.5
28	28.0	26.5	27.0	23.5	23.5	23.5	25.5	23.0	24.0	20.5	17.5	19.0
29	27.0	26.0	26.5	25.0	23.5	24.0	25.0	23.5	24.5	20.0	17.5	19.0
30	26.5	25.0	25.5	25.5	24.5	24.5	27.0	24.0	25.0	20.0	19.0	19.0
31	---	---	---	25.5	24.5	25.0	27.0	25.0	26.0	---	---	---
MONTH	29.5	20.5	25.5	29.5	22.5	26.0	29.0	22.5	25.0	28.0	17.5	23.5
YEAR	29.5	.0	17.0									

MOBILE RIVER BASIN

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02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.4	7.2	7.3	5.1	4.9	5.0	9.4	8.3	8.9	---	---	---
2	8.0	7.4	7.7	5.3	5.1	5.2	9.5	8.4	8.9	---	---	---
3	8.3	7.8	8.0	5.6	5.3	5.5	10.7	8.4	10.2	---	---	---
4	8.3	7.9	8.1	5.4	5.3	5.4	10.5	9.6	10.1	---	---	---
5	8.3	7.7	8.0	5.7	5.3	5.5	10.7	9.7	10.2	---	---	---
6	8.2	7.6	7.9	9.5	5.6	7.1	10.2	9.4	9.8	---	---	---
7	7.8	7.0	7.4	7.2	7.0	7.1	10.0	9.0	9.5	---	---	---
8	7.1	6.4	6.8	7.1	6.9	7.0	10.7	9.0	9.8	---	---	---
9	7.0	5.8	6.3	7.6	6.9	7.2	10.8	9.2	10.1	---	---	---
10	6.6	6.2	6.3	8.1	7.4	7.8	12.2	8.7	10.0	---	---	---
11	6.5	5.8	6.2	8.5	8.0	8.3	10.0	8.6	8.9	---	---	---
12	6.3	5.6	6.0	8.4	8.2	8.3	10.0	8.7	8.9	---	---	---
13	6.2	5.4	5.8	8.8	8.3	8.6	9.3	8.8	8.9	---	---	---
14	5.9	5.3	5.6	8.9	8.6	8.7	9.2	8.2	8.5	---	---	---
15	5.6	4.9	5.2	8.7	8.5	8.6	8.3	8.0	8.1	---	---	---
16	5.1	4.4	4.7	8.5	8.3	8.4	8.2	6.0	7.2	---	---	---
17	7.0	4.6	5.9	8.3	8.1	8.2	8.0	7.3	7.7	---	---	---
18	5.7	5.1	5.5	8.1	7.8	7.9	7.9	7.6	7.8	---	---	---
19	5.1	4.8	5.0	7.8	7.7	7.7	8.2	7.6	7.8	---	---	---
20	4.9	4.5	4.7	10.1	7.6	8.3	8.2	7.9	8.0	---	---	---
21	5.3	4.4	4.9	10.5	9.0	9.8	8.7	7.7	8.0	---	---	---
22	6.1	5.3	5.8	10.2	9.1	9.7	8.1	7.5	7.7	---	---	---
23	6.7	6.0	6.3	10.3	8.8	9.6	7.5	7.2	7.4	14.6	8.4	14.5
24	6.7	6.1	6.4	10.5	8.8	9.8	7.3	6.9	7.1	14.5	14.4	14.4
25	6.5	6.0	6.2	10.2	9.0	9.6	7.2	6.8	6.9	14.4	14.2	14.3
26	6.0	5.7	5.9	10.3	9.0	9.6	6.7	6.3	6.5	14.3	14.1	14.2
27	5.8	5.5	5.7	9.6	8.4	9.3	7.2	6.3	6.4	14.4	14.3	14.4
28	5.5	5.4	5.5	9.9	8.3	9.1	6.8	6.4	6.6	14.2	13.8	14.1
29	5.5	5.3	5.4	10.1	8.2	9.2	7.6	6.2	6.5	13.8	13.6	13.7
30	5.4	5.2	5.3	10.2	7.9	9.2	---	---	---	13.6	13.1	13.4
31	5.8	5.1	5.2	---	---	---	---	---	---	13.0	11.6	12.0
MONTH	8.3	4.4	6.2	10.5	4.9	8.0	12.2	6.0	7.9	14.6	8.4	13.9
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	10.8	10.0	10.2	9.7	9.2	9.5	8.4	8.0	8.2
2	---	---	---	10.2	10.0	10.2	9.9	9.3	9.6	7.9	7.5	7.7
3	---	---	---	10.2	9.8	10.1	10.0	9.4	9.7	8.7	7.7	8.1
4	---	---	---	9.8	9.5	9.7	9.6	9.1	9.3	9.0	8.7	8.9
5	---	---	---	9.6	9.4	9.5	9.0	8.6	8.8	9.0	8.8	8.9
6	12.6	12.2	12.3	10.0	9.6	9.8	9.3	8.7	9.1	8.9	8.6	8.8
7	12.9	12.4	12.7	10.3	9.9	10.1	9.6	9.3	9.4	8.7	8.4	8.6
8	13.6	12.8	13.3	10.2	9.7	10.0	9.8	9.3	9.6	8.4	8.3	8.3
9	13.5	13.2	13.3	9.8	9.5	9.7	10.2	9.6	9.9	8.7	8.4	8.6
10	13.2	12.7	13.0	9.9	9.5	9.7	10.4	9.8	10.1	8.8	8.7	8.7
11	13.1	12.4	12.6	9.7	9.3	9.5	10.4	9.8	10.1	8.7	8.5	8.6
12	12.9	12.5	12.7	9.4	9.1	9.2	9.9	9.5	9.7	8.5	8.2	8.4
13	12.7	12.4	12.6	9.6	9.2	9.4	9.7	9.2	9.5	8.3	7.9	8.1
14	12.9	12.4	12.6	9.6	9.4	9.5	9.3	8.9	9.1	8.1	7.6	7.9
15	13.3	12.4	13.0	10.1	9.7	9.9	9.1	8.8	9.0	8.0	7.4	7.7
16	13.5	12.9	13.2	10.2	9.9	10.1	9.3	8.9	9.1	8.1	7.4	7.6
17	13.3	12.9	13.2	10.3	10.0	10.1	9.4	9.0	9.1	8.0	7.4	7.7
18	12.9	12.6	12.8	10.5	10.2	10.3	9.8	8.8	9.2	8.4	7.6	7.9
19	12.6	11.9	12.3	10.7	10.5	10.6	9.4	8.9	9.1	8.5	7.8	8.1
20	11.9	11.1	11.5	10.7	10.5	10.6	9.3	8.7	9.0	8.5	7.7	8.0
21	11.2	10.9	11.1	10.6	10.2	10.4	9.1	8.6	8.8	8.3	7.3	7.7
22	10.9	9.6	10.5	10.5	10.1	10.3	9.0	8.5	8.7	7.8	7.2	7.4
23	9.6	9.1	9.5	10.3	10.0	10.1	8.8	8.4	8.6	7.9	7.0	7.3
24	9.1	9.0	9.0	10.0	9.7	9.9	8.6	8.4	8.5	8.1	7.1	7.5
25	9.4	9.0	9.2	10.1	9.6	9.8	8.9	8.5	8.7	8.2	7.1	7.6
26	9.6	9.4	9.5	10.2	9.8	10.0	9.0	8.8	8.9	8.4	7.2	7.7
27	9.9	9.6	9.8	10.0	9.8	9.9	8.9	8.7	8.8	8.3	7.2	7.6
28	10.4	9.9	10.2	9.9	9.5	9.8	9.0	8.6	8.8	8.2	7.1	7.5
29	---	---	---	9.6	9.1	9.4	8.9	8.5	8.7	8.1	7.0	7.4
30	---	---	---	9.2	8.9	9.1	8.8	8.2	8.5	8.1	6.9	7.3
31	---	---	---	9.2	8.7	9.0	---	---	---	8.0	6.8	7.3
MONTH	13.6	9.0	11.7	10.8	8.7	9.9	10.4	8.2	9.2	9.0	6.8	8.0

02464800 LAKE TUSCALOOSA NEAR TUSCALOOSA, AL

LOCATION.--Lat 33°16'02", long 87°30'22", in SE¼NW¼NW¼ sec. 32, T. 20 S., R. 9 W., Tuscaloosa County, Hydrologic Unit 03160112, at spillway of dam, 4 mi northeast of Northport, 5.5 mi northeast of Tuscaloosa.

DRAINAGE AREA.--417 mi².

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1982 to current year.

WATER TEMPERATURES: October 1982 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1982.

REMARKS.--Miscellaneous samples of chemical data published for water year 1975. Interruptions in the daily record were due to malfunctions of the instrument. In addition to the water-quality monitor record, samples were collected once a month.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 73 microsiemens, June 4, 1985; minimum, 33 microsiemens, July 6, 1983.

PH: Maximum, 7.6 units, June 3, 1985; minimum, 5.4 units, Oct. 12, 22, 1983, Oct. 7, 1984, Jan. 1, June 28, 1985.

WATER TEMPERATURES: Maximum, 36.0°C, June 25, 1984; minimum, 6.0°C, Feb. 22, 1985.

DISSOLVED OXYGEN: Maximum, 14.1 mg/L, June 4, 1985; minimum, 2.5 mg/L, Sept. 3, 1985.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 73 microsiemens, June 4; minimum, 40 microsiemens, Oct. 22, 23.

PH: Maximum, 7.6 units, June 3; minimum, 5.4 units, Oct. 7, Jan. 1, June 28.

WATER TEMPERATURES: Maximum, 33.0°C, June 26; minimum, 6.0°C, Feb. 22.

DISSOLVED OXYGEN: Maximum, 14.1 mg/L, June 4; minimum, 2.5 mg/L, Sept. 3.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, (PER-CENT SATURATION)	CHEMICAL OXYGEN DEMAND (COD)	COLIFORM, FECCAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS./100 ML)	HARDNESS, NONCARBONATE (MG/L AS CaCO ₃)	HARDNESS, CARBONATE (MG/L AS CaCO ₃)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)
OCT 05...	0915	50	5.2	22.0	7.7	88	--	--	--	15	10	2.8	1.9
NOV 05...	1430	47	5.8	21.0	7.8	87	--	--	--	--	--	--	--
DEC 06...	1330	49	5.6	13.0	8.8	--	--	--	--	--	--	--	--
JAN 08...	1230	56	5.9	12.0	8.9	82	--	K5	K1	16	8	2.9	2.2
FEB 08...	0945	59	5.9	7.0	10.6	87	--	K18	K24	16	9	2.9	2.2
MAR 06...	1145	58	6.2	10.0	11.3	--	--	--	--	--	--	--	--
APR 04...	1145	57	6.6	17.0	9.7	100	--	K6	K2	17	9	3.3	2.2
MAY 09...	1200	59	6.6	23.0	8.7	--	--	--	--	17	10	3.2	2.3
JUN 07...	0845	64	7.1	25.0	9.0	--	--	--	--	--	--	--	--
JUN 28...	0945	60	6.4	30.0	7.7	99	10	K4	--	18	10	3.4	2.4
AUG 08...	1030	60	--	28.5	7.6	96	--	--	--	--	--	--	--
SEP 06...	1330	61	6.4	27.5	6.7	86	--	--	--	--	--	--	--

DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CaCO ₃)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO ₂)	SULFIDE TOTAL (MG/L AS S)	SULFATE DIS-SOLVED (MG/L AS SO ₄)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO ₂)
OCT 05...	2.0	22	0.2	0.80	5	61	--	13	1.9	<.10	6.1
NOV 05...	--	--	--	--	7	21	--	--	--	--	--
DEC 06...	--	--	--	--	12	58	--	--	--	--	--
JAN 08...	2.4	23	.3	.95	8	20	<.5	13	2.7	<.10	6.4
FEB 08...	2.7	25	.3	1.1	7	17	--	13	2.7	<.10	6.1
MAR 06...	--	--	--	--	7	8.6	--	--	--	--	--
APR 04...	2.5	23	.3	1.1	8	3.9	<.5	--	--	<.10	6.2
MAY 09...	2.5	22	.3	1.1	7	3.4	<.5	15	2.9	<.10	6.1
JUN 07...	--	--	--	--	9	1.6	--	--	--	--	--
JUN 28...	2.5	22	.3	1.0	8	6.2	<.5	18	3.5	<.10	6.0
AUG 08...	--	--	--	--	--	--	--	--	--	--	--
SEP 06...	--	--	--	--	9	6.9	--	--	--	--	--

MOBILE RIVER BASIN

02464800 LAKE TUSCALOOSA NEAR TUSCALOOSA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	ARSENIC DIS- SOLVED (UG/L AS AS)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM DIS- SOLVED (UG/L AS CD)	
OCT 05...	40	32	0.05	<.010	<.10	<.10	--	<.010	<.010	--	<20	--	
JAN 08...	44	36	.06	<.010	.10	.50	0.60	<.010	<.010	--	<20	--	
FEB 08...	38	35	.05	<.010	<.10	.30	--	.010	<.010	--	<20	--	
APR 04...	46	--	.06	<.010	<.10	.60	--	<.010	<.010	--	<20	--	
MAY 09...	42	37	.06	<.010	<.10	.30	--	.010	<.010	--	<20	--	
JUN 28...	49	42	.07	<.010	<.10	.20	--	.010	<.010	<1	<20	1	
DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOVERABLE (UG/L AS MN)	MANGANESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELENIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)
OCT 05...	--	--	460	375	85	--	230	50	180	--	--	--	--
JAN 08...	--	--	450	280	170	--	650	40	610	--	--	--	--
FEB 08...	--	--	340	210	130	--	270	30	240	--	--	--	--
APR 04...	--	--	450	320	130	--	130	30	100	--	--	--	--
MAY 09...	--	--	250	150	100	--	100	20	82	--	--	--	--
JUN 28...	<1	<1	480	440	44	7	50	20	29	<.1	<.1	<1	<1
DATE	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE DIS- SOLVED (MG/L AS CN)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN 08...	--	--	<.01	--	--	--	--	--	--	--	--	--	--
APR 04...	--	--	<.01	--	--	--	--	--	--	--	--	--	--
MAY 09...	--	--	<.01	--	--	--	--	--	--	--	--	--	--
JUN 28...	<1	3.5	<.01	<.01	<1.0	8	<.1	<1.0	13	12	3.0	<.1	<.1
DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXY- CHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-DP, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4,5-T TOTAL IN BOTTOM MATERIAL (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	SILVEX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PER- THANE TOTAL IN BOTTOM MATERIAL (UG/KG)	
JAN 08...	--	--	--	--	--	--	--	--	--	--	--	--	
APR 04...	--	--	--	--	--	--	--	--	--	--	--	--	
MAY 09...	--	--	--	--	--	--	--	--	--	--	--	--	
JUN 28...	<.1	<.1	<.1	<.1	<.1	<10	<.10	<.1	<.10	<.1	<.1	<1.00	

MOBILE RIVER BASIN

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02464800 LAKE TUSCALOOSA NEAR TUSCALOOSA, AL--Continued

SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	43	42	43	46	45	45	49	48	49	55	51	53
2	43	42	43	45	44	45	49	48	49	52	51	52
3	43	42	43	46	44	45	49	48	49	---	---	---
4	43	42	43	46	45	45	49	48	49	---	---	---
5	43	42	43	48	45	45	49	48	49	---	---	---
6	43	42	42	48	47	47	49	46	49	---	---	---
7	44	42	43	48	47	47	49	48	49	---	---	---
8	43	42	43	48	47	47	49	48	49	51	50	51
9	43	42	42	48	47	47	49	48	49	51	50	51
10	43	42	42	48	47	47	49	49	49	51	51	51
11	43	42	42	48	47	47	50	48	49	52	51	51
12	43	42	42	48	47	48	50	49	49	53	52	53
13	43	42	42	48	47	48	51	49	50	53	52	53
14	43	42	42	48	47	48	51	49	50	53	52	53
15	43	42	42	48	47	48	50	49	50	54	53	53
16	43	42	42	48	47	48	51	49	50	54	53	53
17	43	42	42	48	47	48	51	49	50	54	53	53
18	43	42	43	48	47	48	50	49	50	54	53	53
19	44	42	43	48	47	48	51	49	50	54	53	53
20	45	42	44	48	47	48	51	50	50	55	54	55
21	47	44	45	49	47	48	52	50	51	55	54	55
22	45	40	43	49	48	48	52	50	51	55	54	55
23	45	40	44	49	48	48	51	50	50	55	54	55
24	45	44	44	49	48	48	52	50	51	55	54	55
25	45	44	45	49	48	48	52	50	51	55	54	55
26	45	44	45	49	48	48	51	51	51	55	54	55
27	45	44	45	49	48	48	51	51	51	56	55	55
28	45	44	45	49	48	48	51	50	51	57	56	56
29	45	44	45	49	48	49	51	50	51	56	56	56
30	45	44	45	49	48	49	51	51	51	56	56	56
31	45	44	45	---	---	---	54	50	51	56	55	56
MONTH	47	40	43	49	44	47	54	46	50	57	50	54
FEBRUARY			MARCH			APRIL			MAY			
1	57	55	56	---	---	---	---	---	---	55	54	54
2	57	56	56	---	---	---	---	---	---	55	51	54
3	57	56	57	---	---	---	---	---	---	57	54	56
4	57	56	57	---	---	---	---	---	---	57	53	55
5	58	57	57	---	---	---	---	---	---	58	54	55
6	58	57	57	---	---	---	---	---	---	60	58	59
7	58	57	58	---	---	---	---	---	---	61	58	60
8	58	57	58	---	---	---	---	---	---	64	59	61
9	58	57	58	---	---	---	---	---	---	63	58	60
10	58	57	58	---	---	---	---	---	---	62	57	59
11	59	57	58	---	---	---	---	---	---	65	57	61
12	59	58	58	---	---	---	---	---	---	64	61	63
13	59	58	59	---	---	---	---	---	---	65	63	64
14	60	59	59	---	---	---	---	---	---	66	63	64
15	59	58	59	---	---	---	---	---	---	66	63	64
16	59	58	59	---	---	---	---	---	---	68	64	65
17	59	58	59	---	---	---	---	---	---	64	64	64
18	60	58	59	---	---	---	56	54	55	64	63	64
19	60	58	59	---	---	---	57	54	55	64	63	64
20	59	58	59	---	---	---	56	54	54	64	63	63
21	61	59	60	---	---	---	56	54	54	64	60	63
22	61	59	60	---	---	---	56	54	54	63	59	61
23	60	59	59	---	---	---	54	54	54	64	63	63
24	60	59	59	---	---	---	55	54	54	63	62	63
25	---	---	---	---	---	---	57	53	54	64	63	63
26	---	---	---	---	---	---	55	54	54	63	63	63
27	---	---	---	---	---	---	55	54	54	64	63	63
28	---	---	---	---	---	---	55	54	54	64	62	63
29	---	---	---	---	---	---	60	54	56	64	63	63
30	---	---	---	---	---	---	57	54	55	63	62	63
31	---	---	---	---	---	---	---	---	---	63	62	62
MONTH	61	55	58	---	---	---	60	53	54	68	51	61

MOBILE RIVER BASIN

02464800 LAKE TUSCALOOSA NEAR TUSCALOOSA, AL--Continued
 SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	65	61	63	63	62	62	60	59	59	62	61	61
2	66	62	63	63	62	62	60	59	59	62	60	61
3	68	62	63	62	61	62	62	59	60	64	61	62
4	73	62	65	62	60	61	61	59	60	61	61	61
5	64	62	63	62	60	61	61	59	60	61	61	61
6	65	63	64	61	60	60	61	60	60	62	61	61
7	67	63	65	61	60	60	60	60	60	61	60	61
8	66	63	64	61	60	60	60	60	60	61	61	61
9	66	62	63	61	60	60	60	60	60	61	61	61
10	64	63	63	60	60	60	60	60	60	61	61	61
11	63	62	63	61	59	60	61	60	60	61	61	61
12	63	61	63	60	59	60	60	60	60	61	61	61
13	63	62	63	60	60	60	61	60	60	61	61	61
14	63	62	63	60	59	60	61	60	60	62	61	61
15	63	62	62	60	59	60	61	60	61	62	61	61
16	63	61	62	62	59	60	61	59	60	61	61	61
17	63	62	62	60	59	59	61	59	60	61	61	61
18	62	61	62	60	59	59	62	61	61	61	61	61
19	62	61	62	60	59	59	62	61	62	62	61	61
20	62	61	62	60	59	59	62	61	62	62	61	61
21	63	61	62	59	59	59	62	62	62	62	61	61
22	62	61	61	62	59	60	62	62	62	62	61	61
23	62	61	62	61	58	59	62	62	62	63	61	62
24	63	61	62	59	58	59	62	61	61	61	61	61
25	62	61	62	59	58	58	61	61	61	61	61	61
26	63	62	63	59	58	58	61	61	61	61	61	61
27	63	62	63	59	58	58	61	61	61	61	61	61
28	63	62	63	60	58	59	61	61	61	61	61	61
29	63	63	63	59	58	58	61	61	61	61	61	61
30	63	62	63	59	58	59	61	61	61	61	60	61
31	---	---	---	59	58	59	62	61	62	---	---	---
MONTH	73	61	63	63	58	60	62	59	61	64	60	61
YEAR	73	40	56									

PH (STANDARD UNITS), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.0	5.8	6.1	5.7	5.6	5.5	5.8	5.4	6.3	6.0	---	---
2	5.8	5.6	6.1	6.0	5.6	5.5	5.8	5.8	6.2	6.0	---	---
3	5.8	5.6	6.0	5.9	5.7	5.5	---	---	6.3	6.0	---	---
4	5.8	5.5	5.9	5.8	5.7	5.6	---	---	6.2	6.0	---	---
5	5.9	5.5	5.9	5.8	5.7	5.5	---	---	6.3	6.0	---	---
6	5.9	5.6	6.1	5.9	5.7	5.5	---	---	6.3	6.0	---	---
7	5.8	5.4	6.0	5.9	5.7	5.6	---	---	6.4	6.0	---	---
8	5.8	5.6	6.0	5.8	5.7	5.6	6.1	6.0	6.3	5.9	---	---
9	5.8	5.6	5.9	5.8	5.7	5.6	6.1	6.0	6.2	5.8	---	---
10	5.8	5.6	5.9	5.8	5.8	5.6	6.1	5.9	6.2	5.8	---	---
11	5.8	5.6	5.9	5.8	5.8	5.6	6.1	6.0	6.2	6.0	---	---
12	5.8	5.6	5.9	5.8	5.7	5.6	6.1	6.0	6.2	5.9	---	---
13	5.8	5.6	5.9	5.8	5.7	5.5	6.1	5.8	6.3	5.9	---	---
14	5.8	5.7	5.9	5.7	5.7	5.5	6.1	5.8	6.3	5.9	---	---
15	5.8	5.7	5.8	5.7	5.7	5.5	6.1	5.8	6.3	6.0	---	---
16	5.8	5.6	5.9	5.7	5.8	5.5	6.1	5.8	6.2	6.0	---	---
17	6.0	5.7	5.9	5.7	5.7	5.5	6.1	5.8	6.2	5.9	---	---
18	5.9	5.7	5.8	5.7	5.7	5.5	6.0	5.8	6.2	6.1	---	---
19	5.8	5.7	5.9	5.8	5.7	5.5	6.1	5.8	6.3	6.0	---	---
20	5.8	5.6	5.9	5.8	5.6	5.5	6.2	6.0	6.2	6.0	---	---
21	5.7	5.5	5.9	5.8	5.7	5.5	6.1	5.8	6.2	6.0	---	---
22	5.8	5.7	5.9	5.8	5.8	5.5	6.2	5.8	6.3	6.0	---	---
23	5.9	5.7	5.8	5.7	5.7	5.6	6.2	5.8	6.3	6.2	---	---
24	5.9	5.7	5.8	5.7	5.7	5.5	6.2	6.0	6.3	6.1	---	---
25	5.8	5.7	5.8	5.6	5.8	5.5	6.3	6.0	---	---	---	---
26	5.9	5.7	5.7	5.6	5.7	5.5	6.3	6.0	---	---	---	---
27	6.0	5.7	5.7	5.6	5.8	5.6	6.3	6.0	---	---	---	---
28	5.8	5.7	5.8	5.6	5.7	5.5	6.3	6.1	---	---	---	---
29	5.9	5.7	5.6	5.5	5.7	5.5	6.3	6.0	---	---	---	---
30	6.0	5.8	5.7	5.5	5.7	5.5	6.2	6.0	---	---	---	---
31	6.0	5.8	---	---	5.7	5.5	6.3	6.0	---	---	---	---
MONTH	6.0	5.4	6.1	5.5	5.8	5.5	6.3	5.4	6.4	5.8	---	---

MOBILE RIVER BASIN

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02464800 LAKE TUSCALOOSA NEAR TUSCALOOSA, AL--Continued
 PH (STANDARD UNITS), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	6.8	6.6	7.3	6.9	6.1	5.9	6.7	6.4	6.7	6.4
2	---	---	6.8	6.6	7.4	7.0	6.0	5.8	6.7	6.5	6.7	5.9
3	---	---	6.9	6.8	7.6	7.0	6.1	5.9	6.5	6.2	6.3	5.8
4	---	---	6.9	6.7	7.0	6.4	6.1	5.9	6.4	6.1	6.3	6.1
5	---	---	6.8	6.7	6.9	6.4	6.0	5.8	6.3	6.1	6.4	6.2
6	---	---	6.8	6.7	6.7	6.3	6.3	5.9	6.3	6.1	6.4	6.2
7	---	---	6.8	6.6	7.5	6.4	6.3	6.1	6.3	6.2	6.6	6.4
8	---	---	7.0	6.6	7.5	7.1	6.3	6.0	6.4	6.2	6.6	6.4
9	---	---	6.9	6.5	7.2	6.9	6.4	6.1	6.5	6.2	6.7	6.4
10	---	---	6.6	6.5	7.0	6.7	6.4	6.1	6.5	6.2	6.7	6.4
11	---	---	6.6	6.5	6.9	6.5	6.3	6.1	6.4	6.2	6.8	6.4
12	---	---	6.7	6.6	7.3	6.5	6.5	6.3	6.3	6.2	6.9	6.6
13	---	---	6.7	6.6	7.1	6.7	6.5	6.3	6.4	6.2	6.9	6.6
14	---	---	6.7	6.6	6.8	6.5	6.5	6.3	6.4	6.1	6.8	6.6
15	---	---	6.9	6.6	6.7	6.4	6.5	6.3	6.1	6.0	6.8	6.6
16	---	---	6.9	6.7	6.7	6.2	6.8	6.4	6.0	5.9	6.7	6.5
17	---	---	7.3	6.8	6.6	6.2	6.7	6.5	6.3	5.9	6.6	6.4
18	---	---	7.2	6.9	6.6	6.3	6.8	6.5	6.4	6.1	6.5	6.4
19	---	---	7.0	6.8	6.4	6.1	6.7	6.6	6.3	6.1	6.7	6.5
20	---	---	7.1	6.8	6.4	6.1	6.8	6.6	6.3	6.1	6.6	6.4
21	---	---	7.1	6.8	6.2	5.9	6.9	6.7	6.5	6.2	6.6	6.5
22	---	---	7.0	6.7	6.1	5.9	6.9	6.7	6.5	6.3	6.6	6.4
23	---	---	7.3	6.9	6.0	5.7	6.9	6.7	6.5	6.1	6.4	6.2
24	---	---	7.4	6.9	5.9	5.7	6.7	6.6	6.4	6.1	6.5	6.4
25	---	---	7.5	7.0	5.8	5.6	6.5	6.5	6.4	6.2	6.5	6.4
26	---	---	7.3	7.1	5.9	5.6	6.7	6.4	6.4	6.3	6.6	6.5
27	---	---	7.2	6.9	5.9	5.5	6.7	6.4	6.5	6.3	6.6	6.6
28	---	---	7.4	7.0	6.1	5.4	6.6	6.4	6.6	6.3	6.6	6.5
29	6.8	6.4	7.3	7.0	6.1	5.9	6.7	6.4	6.5	6.3	6.6	6.5
30	6.8	6.7	7.1	6.8	6.2	5.9	6.7	6.5	6.6	6.2	6.7	6.5
31	---	---	7.2	6.7	---	---	6.6	6.5	6.7	6.3	---	---
MONTH	6.8	6.4	7.5	6.5	7.6	5.4	6.9	5.8	6.7	5.9	6.9	5.8
YEAR	7.6	5.4										

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.0	17.0	23.0	22.5	21.5	22.0	14.5	14.5	14.5	17.0	15.0	16.0
2	27.0	13.5	19.0	22.5	21.5	22.0	14.5	14.5	14.5	16.5	16.0	16.5
3	28.5	21.5	25.5	21.5	21.5	21.5	14.5	14.0	14.5	---	---	---
4	28.0	17.0	22.0	21.0	21.0	21.0	14.0	13.5	14.0	---	---	---
5	26.0	20.0	22.5	21.0	20.5	21.0	13.5	13.5	13.5	---	---	---
6	22.0	22.0	22.0	22.5	21.0	22.5	15.0	13.0	14.5	---	---	---
7	22.0	21.0	21.5	22.0	21.5	21.5	14.5	14.5	14.5	---	---	---
8	22.0	21.5	22.0	21.5	21.0	21.0	14.5	14.5	14.5	14.5	13.0	13.5
9	22.0	21.5	21.5	21.0	20.5	20.5	14.5	14.5	14.5	13.0	13.0	13.0
10	21.5	21.5	21.5	20.5	20.0	20.5	15.5	14.5	15.0	13.0	13.0	13.0
11	22.0	21.5	21.5	20.0	19.5	20.0	15.0	15.0	15.0	13.0	12.5	13.0
12	22.0	21.5	22.0	19.5	19.0	19.5	15.0	14.5	15.0	12.5	12.5	12.5
13	22.5	22.0	22.0	19.5	18.5	19.0	14.5	14.5	14.5	12.5	12.0	12.0
14	22.0	21.5	22.0	18.5	18.5	18.5	15.5	14.5	15.0	12.5	12.0	12.0
15	22.0	21.5	21.5	18.5	18.0	18.0	15.5	15.0	15.5	12.0	11.5	12.0
16	22.0	21.5	22.0	18.5	18.0	18.0	15.5	15.0	15.0	12.0	11.5	11.5
17	22.5	22.0	22.5	18.0	18.0	18.0	15.5	15.0	15.0	11.5	11.5	11.5
18	23.0	22.5	23.0	18.0	17.5	18.0	16.0	15.5	15.5	12.0	11.5	11.5
19	23.0	22.5	22.5	18.0	17.5	17.5	15.5	15.0	15.5	11.5	11.0	11.5
20	23.5	21.5	22.5	17.5	17.0	17.5	15.5	14.5	15.0	11.0	10.5	11.0
21	22.5	21.5	22.0	17.0	16.5	17.0	15.0	14.5	14.5	10.5	10.5	10.5
22	22.5	22.5	22.5	16.5	16.0	16.5	16.0	14.5	15.5	10.5	10.0	10.5
23	22.5	22.5	22.5	16.5	16.0	16.0	16.0	16.0	16.0	10.5	9.0	9.5
24	22.5	22.5	22.5	16.5	15.5	16.0	16.0	14.5	15.5	9.5	9.0	9.5
25	22.5	22.0	22.5	15.5	15.5	15.5	16.5	14.5	16.0	10.0	9.5	9.5
26	23.0	22.5	22.5	15.5	15.5	15.5	16.0	15.5	15.5	9.5	9.0	9.5
27	22.5	22.5	22.5	15.5	15.0	15.5	16.0	15.5	16.0	9.5	9.0	9.0
28	22.5	22.0	22.0	15.5	15.0	15.5	16.0	16.0	16.0	9.0	9.0	9.0
29	22.5	22.0	22.5	15.0	14.5	15.0	16.0	16.0	16.0	9.0	9.0	9.0
30	23.0	22.5	23.0	14.5	14.5	14.5	16.0	16.0	16.0	9.0	9.0	9.0
31	23.0	22.5	23.0	---	---	---	17.0	15.0	16.0	9.5	9.0	9.0
MONTH	28.5	13.5	22.0	22.5	14.5	18.5	17.0	13.0	15.0	17.0	9.0	11.5

02464800 LAKE TUSCALOOSA NEAR TUSCALOOSA, AL--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.0	8.5	9.0	---	---	---	---	---	---	19.5	17.0	18.0
2	8.5	8.5	8.5	---	---	---	---	---	---	22.5	17.5	19.5
3	8.0	8.0	8.0	---	---	---	---	---	---	24.0	22.5	23.5
4	8.0	8.0	8.0	---	---	---	---	---	---	23.5	18.0	20.5
5	8.0	8.0	8.0	---	---	---	---	---	---	22.0	18.5	20.0
6	8.0	7.5	8.0	---	---	---	---	---	---	23.0	21.0	22.5
7	7.5	7.5	7.5	---	---	---	---	---	---	24.0	21.5	23.0
8	8.0	7.0	7.5	---	---	---	---	---	---	25.5	22.0	23.5
9	8.0	7.0	7.5	---	---	---	---	---	---	25.0	19.5	22.0
10	7.0	6.5	6.5	---	---	---	---	---	---	20.5	19.0	20.0
11	7.0	6.5	7.0	---	---	---	---	---	---	20.5	19.0	19.5
12	7.0	6.5	7.0	---	---	---	---	---	---	21.0	19.5	20.0
13	7.5	6.5	7.0	---	---	---	---	---	---	21.5	20.5	21.0
14	8.0	6.5	7.0	---	---	---	---	---	---	21.5	20.0	20.5
15	7.5	7.0	7.0	---	---	---	---	---	---	25.5	20.0	22.0
16	7.5	7.0	7.0	---	---	---	---	---	---	26.0	21.5	23.0
17	7.5	7.0	7.0	---	---	---	---	---	---	26.5	25.5	26.0
18	7.0	7.0	7.0	---	---	---	18.0	17.0	17.5	26.5	24.5	25.5
19	8.0	7.0	7.5	---	---	---	18.0	17.0	17.5	25.0	22.5	24.0
20	9.0	7.5	8.5	---	---	---	19.0	17.5	18.0	24.5	22.5	23.5
21	8.5	7.0	7.5	---	---	---	19.0	17.5	18.0	24.0	19.5	22.5
22	8.0	6.0	6.5	---	---	---	18.5	17.0	17.5	23.0	19.0	20.5
23	7.5	6.5	6.5	---	---	---	19.5	17.5	18.0	25.5	24.5	25.0
24	7.5	6.5	7.0	---	---	---	19.5	17.0	18.0	26.5	24.5	25.5
25	---	---	---	---	---	---	22.0	18.0	19.5	27.0	24.5	26.0
26	---	---	---	---	---	---	20.0	18.0	18.5	25.5	25.0	25.5
27	---	---	---	---	---	---	19.5	18.0	18.5	25.5	23.0	24.5
28	---	---	---	---	---	---	25.5	18.0	22.0	25.5	23.5	24.5
29	---	---	---	---	---	---	25.0	20.0	22.0	26.0	24.0	25.5
30	---	---	---	---	---	---	21.5	18.0	19.5	25.5	22.5	23.5
31	---	---	---	---	---	---	---	---	---	24.0	21.5	23.0
MONTH	9.0	6.0	7.5	---	---	---	25.5	17.0	19.0	27.0	17.0	22.5
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.0	24.0	25.0	29.0	28.0	28.0	30.5	29.5	29.5	30.0	29.0	29.5
2	27.0	24.5	25.5	28.0	27.0	28.0	31.5	30.5	30.5	29.5	25.0	27.5
3	27.0	24.0	25.0	28.5	27.5	28.0	30.5	27.5	29.0	27.5	25.0	27.0
4	27.0	25.0	26.0	28.0	25.0	27.0	29.5	28.0	28.5	27.5	27.5	27.5
5	26.5	25.0	25.5	27.0	23.5	25.5	29.0	27.5	28.0	27.5	27.5	27.5
6	26.5	25.0	26.0	27.0	24.5	26.0	29.0	28.5	29.0	28.0	27.5	27.5
7	32.0	25.0	26.5	27.0	26.5	27.0	29.0	29.0	29.0	28.5	27.5	28.0
8	31.0	25.5	28.0	27.5	27.0	27.0	30.0	29.0	29.5	28.5	27.5	28.0
9	27.5	24.5	26.0	28.0	27.0	27.5	30.0	29.0	29.5	28.5	28.0	28.0
10	25.5	23.5	24.5	28.0	27.5	27.5	30.0	29.5	30.0	29.0	28.5	28.5
11	25.0	23.0	24.0	28.0	25.0	27.0	30.5	29.5	30.0	30.5	28.5	29.0
12	28.5	23.5	27.0	28.0	26.0	27.5	30.0	29.5	29.5	30.0	29.5	30.0
13	29.0	27.5	28.0	28.5	27.5	28.0	30.0	29.0	29.5	29.5	29.0	29.5
14	27.5	26.5	27.5	28.5	27.5	28.0	30.0	28.5	29.5	29.0	28.0	28.5
15	27.5	23.5	25.5	29.0	27.0	28.0	29.0	26.5	28.5	28.0	27.0	27.5
16	27.0	24.0	26.0	30.5	27.5	29.0	28.0	23.0	26.5	27.5	26.5	27.0
17	27.0	24.0	25.5	30.5	29.5	29.5	28.5	24.5	27.5	26.5	26.0	26.5
18	27.5	26.0	27.0	30.0	29.0	29.5	30.0	28.0	28.5	26.5	26.0	26.0
19	27.5	26.0	27.0	30.0	28.5	29.5	29.0	28.5	29.0	27.0	26.0	26.5
20	27.0	27.0	27.0	30.0	28.5	29.5	29.0	28.5	29.0	27.0	26.0	26.0
21	27.0	24.5	26.5	30.5	29.5	30.0	30.5	29.0	29.5	26.5	26.0	26.0
22	27.0	25.5	26.5	30.5	28.5	30.0	29.5	29.5	29.5	26.0	25.5	26.0
23	27.5	27.0	27.5	30.0	28.5	29.0	29.5	29.0	29.5	25.5	25.0	25.5
24	28.0	26.5	27.0	29.5	27.0	28.5	29.5	28.0	29.0	25.5	25.0	25.5
25	28.0	27.0	27.5	28.5	27.5	28.0	29.0	28.5	29.0	25.0	25.0	25.0
26	33.0	27.0	28.5	29.0	28.0	28.5	29.0	28.5	28.5	25.5	25.0	25.0
27	32.0	28.0	30.0	29.0	28.5	29.0	28.5	28.0	28.5	25.0	24.5	25.0
28	31.5	28.5	30.5	29.0	27.5	28.0	29.5	28.0	28.5	24.5	24.0	24.5
29	29.5	28.5	29.0	29.5	28.5	29.0	28.5	28.5	28.5	24.0	24.0	24.0
30	29.0	28.0	28.5	29.5	29.0	29.0	28.5	28.5	28.5	24.0	23.5	23.5
31	---	---	---	29.5	29.0	29.0	30.0	28.5	29.0	---	---	---
MONTH	33.0	23.0	27.0	30.5	23.5	28.0	31.5	23.0	29.0	30.5	23.5	27.0
YEAR	33.0	6.0	21.0									

MOBILE RIVER BASIN

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02464800 LAKE TUSCALOOSA NEAR TUSCALOOSA, AL--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.9	7.7	7.8	7.2	6.9	7.0	8.2	8.0	8.1	9.0	6.1	7.6
2	7.8	7.6	7.7	7.4	7.2	7.2	8.3	8.2	8.2	9.1	9.0	9.1
3	7.9	7.7	7.8	7.6	7.4	7.4	8.7	8.3	8.5	---	---	---
4	8.1	7.9	7.9	7.8	7.6	7.6	8.7	8.5	8.6	---	---	---
5	8.1	5.9	7.6	7.9	7.8	7.8	8.7	8.6	8.7	---	---	---
6	9.6	6.1	7.4	7.8	6.7	6.9	8.9	7.8	8.9	---	---	---
7	9.8	5.6	7.6	6.8	6.4	6.6	8.9	8.8	8.9	---	---	---
8	8.9	5.6	6.9	6.5	6.2	6.4	8.8	8.6	8.7	8.9	8.8	8.8
9	5.8	5.0	5.3	6.3	5.6	6.1	8.7	8.5	8.6	8.8	8.3	8.7
10	5.2	4.7	4.9	6.5	5.7	6.1	8.9	8.5	8.6	8.6	8.4	8.5
11	4.9	3.6	4.3	6.6	6.3	6.5	8.9	8.7	8.8	8.8	8.5	8.6
12	5.0	3.7	4.2	6.8	6.6	6.7	8.8	8.1	8.5	8.8	8.6	8.7
13	4.8	3.9	4.4	6.8	6.4	6.6	8.1	7.8	8.0	8.7	8.6	8.7
14	4.9	3.9	4.1	6.7	6.5	6.6	8.7	7.9	8.2	8.7	8.5	8.6
15	4.2	4.0	4.1	6.9	6.6	6.7	8.9	8.4	8.6	8.8	8.5	8.7
16	4.5	4.2	4.3	7.4	6.8	7.2	8.9	7.8	8.2	9.0	8.6	8.7
17	4.6	4.4	4.4	7.4	7.1	7.3	8.9	7.7	8.3	8.7	8.7	8.7
18	4.9	4.6	4.6	7.2	6.9	7.1	9.0	8.1	8.7	8.8	8.7	8.7
19	5.1	4.7	4.8	7.6	7.2	7.5	8.8	7.6	8.3	8.9	8.7	8.8
20	5.3	5.1	5.2	7.9	7.6	7.8	8.4	7.9	8.2	9.5	9.0	9.3
21	6.5	5.3	5.6	8.1	7.8	7.9	8.2	7.0	7.5	9.5	9.3	9.4
22	5.6	5.4	5.5	8.2	7.8	8.0	9.0	7.1	8.4	9.6	9.4	9.5
23	5.6	5.5	5.6	8.1	8.0	8.0	9.0	8.8	9.0	9.5	9.2	9.3
24	5.8	5.6	5.7	8.2	7.9	8.0	9.1	7.0	8.2	9.3	9.2	9.2
25	6.0	5.8	5.8	8.1	7.8	8.0	9.2	7.1	8.9	9.8	9.2	9.4
26	6.1	6.0	6.0	8.0	7.9	7.9	9.0	8.9	8.9	9.8	9.7	9.8
27	6.3	6.1	6.2	8.1	7.2	7.8	9.0	8.9	8.9	9.7	9.6	9.7
28	6.5	6.3	6.3	8.4	8.1	8.3	9.2	8.9	9.0	9.8	9.6	9.7
29	6.8	6.5	6.6	8.3	8.0	8.1	9.2	8.9	9.0	9.8	9.8	9.8
30	6.8	6.6	6.7	8.2	8.0	8.1	9.0	8.7	8.9	9.9	9.8	9.8
31	6.9	6.8	6.9	---	---	---	9.3	6.3	8.6	10.2	9.7	10.0
MONTH	9.8	3.6	5.9	8.4	5.6	7.3	9.3	6.3	8.6	10.2	6.1	9.1
FEBRUARY			MARCH			APRIL			MAY			
1	10.3	10.1	10.2	---	---	---	---	---	---	9.6	8.9	9.2
2	10.3	10.1	10.1	---	---	---	---	---	---	9.3	8.4	9.1
3	10.4	10.2	10.3	---	---	---	---	---	---	8.7	8.5	8.6
4	10.4	10.3	10.4	---	---	---	---	---	---	9.2	8.5	8.8
5	10.4	10.3	10.4	---	---	---	---	---	---	9.3	8.6	8.9
6	10.6	10.5	10.6	---	---	---	---	---	---	8.8	8.3	8.5
7	11.9	10.6	10.7	---	---	---	---	---	---	8.6	8.1	8.3
8	11.0	10.7	10.9	---	---	---	---	---	---	8.6	7.4	8.2
9	11.0	10.7	10.8	---	---	---	---	---	---	8.9	7.6	8.4
10	10.8	10.7	10.7	---	---	---	---	---	---	9.1	8.4	8.9
11	11.0	10.7	10.8	---	---	---	---	---	---	9.1	7.9	8.7
12	11.0	10.9	10.9	---	---	---	---	---	---	8.9	8.1	8.5
13	11.1	10.9	11.0	---	---	---	---	---	---	11.3	7.8	9.1
14	11.2	10.9	11.0	---	---	---	---	---	---	11.6	9.3	10.4
15	11.2	11.0	11.1	---	---	---	---	---	---	9.9	9.1	9.5
16	11.2	11.0	11.1	---	---	---	---	---	---	10.8	8.7	9.7
17	11.1	11.0	11.0	---	---	---	---	---	---	9.2	8.8	8.9
18	11.1	11.0	11.0	---	---	---	9.4	9.0	9.2	12.0	8.7	9.4
19	11.1	11.0	11.1	---	---	---	9.4	8.5	9.2	12.6	9.7	10.9
20	11.2	10.9	11.1	---	---	---	9.4	8.7	9.2	12.0	10.3	11.1
21	11.1	10.8	11.0	---	---	---	9.5	8.9	9.2	13.2	10.4	11.3
22	11.0	10.8	10.9	---	---	---	9.4	8.8	9.2	13.8	11.0	12.4
23	10.9	10.8	10.8	---	---	---	9.4	9.2	9.3	11.5	8.2	9.7
24	11.0	10.8	10.8	---	---	---	9.4	8.9	9.2	8.2	7.7	8.0
25	---	---	---	---	---	---	9.3	8.2	8.9	9.4	8.2	8.8
26	---	---	---	---	---	---	9.4	8.7	9.2	9.6	9.0	9.3
27	---	---	---	---	---	---	9.4	8.8	9.1	11.7	8.7	10.5
28	---	---	---	---	---	---	9.2	8.2	8.7	12.5	10.6	11.6
29	---	---	---	---	---	---	9.1	7.0	8.5	11.5	10.3	11.0
30	---	---	---	---	---	---	9.6	8.7	9.3	11.5	10.4	10.9
31	---	---	---	---	---	---	---	---	---	10.9	7.6	9.3
MONTH	11.9	10.1	10.8	---	---	---	9.6	7.0	9.1	13.8	7.4	9.6

02465000 BLACK WARRIOR RIVER AT NORTHPORT, AL

LOCATION.--Lat 33°12'51", long 87°34'50", in NE¼ sec. 21, T. 21 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, attached to loading dock at Alabama State Dock Facility, at Northport 0.2 mi downstream from Illinois Central Gulf Railroad bridge, 0.35 mi upstream from Oliver Lock and Dam, 0.9 mi downstream from Two Mile Creek, 5.2 mi downstream from North River, and at mile 126.6.

DRAINAGE AREA.--4,820 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1889 to September 1894 (gage heights only), October 1894 to December 1902, January 1903 to December 1905 (gage heights and discharge measurements only), August 1928 to current year. Monthly discharge only for period October to December 1894, published in WSP 1304.

REVISED RECORDS.--WSP 1002: 1940-43. WSP 1624: 1900. WDR AL-84-1: Drainage area.

CORRECTIONS.--The maximum gage height for water year 1984 was 62.95 ft; the previously published figure was not the maximum.

GAGE.--Water-stage recorder. Datum of gage is 83.35 ft above National Geodetic Vertical Datum of 1929. See WSP 2106 for history of changes prior to Mar. 19, 1951. Mar. 20, 1951 to Feb. 13, 1974, water-stage recorder 0.35 mi upstream on pier of former bridge at present datum. Feb. 14, 1974, to Aug. 7, 1974, nonrecording gage at site 0.35 mi downstream at datum 1.08 ft lower. Subsequent to Apr. 19, 1944, auxiliary water-stage recorder, and Aug. 29, 1939, to Apr. 18, 1944, auxiliary nonrecording gage, 500 ft downstream from Oliver lock and dam at datum 1.08 ft lower.

REMARKS.--Estimated daily discharges: Jan. 31 to Mar. 11. Water-discharge records good except those for period of estimated record and those below 6,000 ft³/s, which are poor. Some regulation by Lewis Smith Reservoir on Sipsey Fork (station 02451950), by Bankhead Lock and Dam on Black Warrior River, usable capacity, 112,000 acre-ft, Holt Lock and Dam on Black Warrior River, usable capacity 115,000 acre-ft, and occasionally during periods of low flow by Oliver Lock and Dam downstream from gage. National Weather Service rain gage and gage height telemeters at station.

AVERAGE DISCHARGE.--65 years (water years 1895-1902, 1929-85) 8,042 ft³/s, 22.66 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 272,000 ft³/s, Apr. 13, 1979; maximum gage height, 67.7 ft, Apr. 18, 1900; minimum daily discharge, 37 ft³/s, Oct. 23, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 65,600 ft³/s, July 27, maximum gage height, 48.81 ft, July 27; minimum daily, 470 ft³/s, Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	837	2080	8280	1380	49500	9950	4610	5400	819	3670	10700	817	
2	626	5800	9090	7050	41200	11000	5220	19900	1060	3300	6950	4280	
3	606	2440	12900	8750	25000	6010	5320	18400	3710	3920	6450	4030	
4	470	2900	12200	7580	17900	7540	2960	13400	2460	967	4180	4610	
5	795	1780	12700	4660	34900	7770	4810	11800	3070	4680	4370	3580	
6	665	709	12200	2600	39700	7110	6080	11200	3220	9900	4730	3640	
7	951	663	11900	4930	23700	6700	6870	10900	2890	5940	4280	1200	
8	928	1230	11400	6390	13700	4510	5070	9730	669	5080	6730	1020	
9	648	880	9910	6410	12900	2780	5120	15300	797	4500	5460	4500	
10	681	2480	9800	4080	10400	4120	4530	20000	7300	4480	4690	4060	
11	777	812	8590	3270	11300	4040	2790	18900	4870	4320	1170	4320	
12	801	1050	10600	4880	24200	5530	3440	15900	4500	3170	4390	3640	
13	1440	1760	9730	904	16600	2390	1340	13500	3910	960	4110	3630	
14	534	1990	9930	3300	12000	2600	3760	12400	4180	2070	3120	861	
15	479	1000	7780	3530	11600	2380	6560	10300	2490	3260	4290	697	
16	563	1540	8010	4140	9860	1480	5970	9470	654	3440	8750	3260	
17	1440	1130	8090	3970	9320	3060	6640	6240	3900	5790	13900	3090	
18	626	2550	8000	2570	9380	1950	3420	3160	4360	4700	11100	2610	
19	686	1280	7520	4510	10200	3170	5420	1090	3300	3020	6020	2740	
20	704	3740	8010	4280	9790	2860	1270	5100	3940	774	5470	2650	
21	1800	4880	8330	8120	7840	3730	956	3520	2470	697	5010	1660	
22	1920	912	5520	5900	8190	7750	4640	3360	2930	4390	4570	945	
23	1940	3880	1070	6040	4740	3710	3080	3450	1650	3850	3580	982	
24	5960	784	3490	4320	7040	4240	4340	2050	3260	2850	5540	1000	
25	4250	530	985	3040	11700	7220	5460	793	3230	3380	3550	743	
26	3740	3790	5140	1450	15400	4740	4720	1260	2670	4100	5940	872	
27	912	4650	4320	1620	12200	5100	1440	2740	3030	22000	5890	962	
28	1850	14500	4520	1460	10500	2770	2550	2320	2640	49400	6110	557	
29	2780	15800	2010	3070	---	3080	3610	2130	2830	34100	4170	811	
30	1960	12300	799	2280	---	3760	2800	1110	1600	17600	5000	924	
31	808	---	6800	17400	---	2740	---	3020	---	12000	3000	---	
TOTAL	43177	99840	239624	143884	470760	145790	124796	257843	88409	232308	173220	68691	
MEAN	1393	3328	7730	4641	16810	4703	4160	8318	2947	7494	5588	2290	
MAX	5960	15800	12900	17400	49500	11000	6870	20000	7300	49400	13900	4610	
MIN	470	530	799	904	4740	1480	956	793	654	697	1170	557	
CFSM	.29	.69	1.60	.96	3.49	.98	.86	1.73	.61	1.55	1.16	.48	
IN.	.33	.77	1.85	1.11	3.63	1.13	.96	1.99	.68	1.79	1.34	.53	
CAL YR 1984	TOTAL	2889021		MEAN	7894	MAX	58200	MIN	343	CFSM	1.64	IN.	22.30
WTR YR 1985	TOTAL	2088342		MEAN	5721	MAX	49500	MIN	470	CFSM	1.19	IN.	16.12

MOBILE RIVER BASIN

02465000 BLACK WARRIOR RIVER AT NORTHPORT, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SUSPENDED SEDIMENT: October 1978 to current year.

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT ³ /s)	SEDI- MENT SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE SUS- PENDE (T/DAY)
FEB				
26...	1115	27,600	46	3,430
26...	1120	27,600	46	3,430
JUL				
12...	1335	5,498	20	297
12...	1340	5,498	29	430
AUG				
16...	1820	17,200	46	2,140
16...	1900	17,700	47	2,250

MOBILE RIVER BASIN

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02465005 BLACK WARRIOR RIVER BELOW OLIVER LOCK AND DAM AT TUSCALOOSA, AL

LOCATION.--Lat 33°12'33", long 87°35'18", in NW¼ sec. 21, T. 21 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, on downstream side of lock at Tuscaloosa, 0.7 mi upstream from Mill Creek, 0.7 mi downstream from Illinois Central Gulf Railroad bridge, and at mile 126.1.

DRAINAGE AREA.--4,821 mi².

PERIOD OF RECORD.--August 1939 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. August 1939 to September 1971 in files of U.S. Army Corps of Engineers.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 82.3 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Apr. 19, 1944, nonrecording gage at same site and datum.

EXTREMES (0700) FOR PERIOD OF RECORD.--Maximum gage height, 66.7 ft, Feb. 22, 1961; minimum gage height, 10.0 ft, many days in October and November 1953, September 1954, and 1955.

EXTREMES (0700) FOR CURRENT YEAR.--Maximum gage height, 39.63 ft, Feb. 2; minimum, 13.10 ft, Oct. 1.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.10	13.70	17.44	15.65	34.49	22.00	14.09	14.10	14.26	13.71	21.02	13.76
2	13.30	14.30	17.06	13.76	39.63	21.60	14.66	22.08	13.40	14.55	16.86	13.30
3	13.30	15.10	21.03	17.48	35.20	19.30	15.13	25.77	13.60	13.95	16.05	14.31
4	13.20	13.71	21.20	16.47	28.20	17.00	14.74	23.36	14.27	14.56	15.38	14.22
5	13.20	14.90	21.43	15.62	26.60	18.20	14.05	21.24	13.83	13.50	14.20	14.61
6	13.30	13.50	21.06	14.56	38.80	17.80	15.63	20.69	14.08	15.34	14.95	14.12
7	13.20	13.50	20.84	14.49	34.90	17.80	15.88	20.35	14.09	19.94	14.57	14.24
8	13.40	13.50	20.75	14.83	28.50	16.90	15.96	18.46	13.98	14.04	15.67	13.30
9	13.50	13.76	18.91	16.20	25.80	15.50	14.80	21.53	13.50	14.85	15.23	13.60
10	13.60	13.98	19.86	15.50	24.20	15.00	14.71	25.24	13.40	14.40	14.90	14.60
11	13.50	14.01	17.14	14.36	19.30	15.00	14.28	27.58	16.63	14.58	14.66	14.19
12	13.77	13.50	19.54	13.80	29.80	14.78	13.75	26.45	14.63	14.22	13.50	14.24
13	13.60	13.69	18.42	14.42	28.00	15.06	14.77	22.87	14.59	13.89	14.35	14.03
14	13.74	13.84	18.98	13.74	25.50	14.26	13.70	21.85	14.29	13.60	14.08	13.90
15	13.60	13.92	16.75	14.06	22.70	14.26	15.36	20.29	14.39	13.71	13.78	13.50
16	13.30	13.50	16.77	13.97	21.90	13.87	15.68	19.06	13.80	14.12	14.47	13.60
17	13.73	13.77	16.72	14.54	21.00	13.75	15.36	16.21	13.30	14.56	20.85	14.06
18	13.71	14.21	16.82	14.23	20.50	13.98	15.58	15.24	14.28	15.26	21.16	14.08
19	13.40	14.02	16.37	13.75	20.90	14.15	14.68	14.52	14.66	14.33	16.54	14.05
20	13.30	14.26	16.33	14.58	20.80	14.11	15.18	13.70	13.92	13.86	15.37	13.73
21	13.50	14.09	16.75	15.78	18.70	14.01	13.40	15.01	14.35	13.20	15.14	13.70
22	14.25	14.35	16.23	15.78	19.10	15.01	13.74	14.14	14.43	13.20	14.89	13.79
23	13.96	13.40	15.01	15.44	17.20	16.21	14.90	14.31	14.10	14.84	14.33	13.71
24	14.11	14.06	13.98	14.92	17.60	14.83	14.34	14.08	13.73	14.30	14.17	13.97
25	15.07	13.50	14.42	14.52	19.00	16.21	14.95	13.72	14.12	13.77	16.08	13.83
26	14.93	13.74	13.50	13.68	26.10	15.17	15.30	13.50	13.82	14.17	13.91	13.80
27	13.88	14.29	14.95	13.69	24.70	14.60	14.83	13.60	13.77	15.85	15.29	13.75
28	13.50	19.74	14.96	13.69	23.40	14.82	13.60	13.89	14.22	38.16	15.23	13.50
29	13.94	21.90	14.36	13.81	---	13.73	14.32	14.02	13.79	37.65	15.21	13.75
30	14.01	21.67	13.71	14.21	---	14.07	14.17	13.92	13.74	30.59	14.06	13.50
31	13.72	---	13.50	18.01	---	14.92	---	13.70	---	24.15	14.65	---
MEAN	13.67	14.65	17.25	14.82	25.45	15.74	14.72	18.21	14.10	16.80	15.50	13.89
MAX	15.07	21.90	21.43	18.01	39.63	22.00	15.96	27.58	16.63	38.16	21.16	14.61
MIN	13.10	13.40	13.50	13.68	17.20	13.73	13.40	13.50	13.30	13.20	13.50	13.30
CAL YR 1984	MEAN	18.00	MAX	45.65	MIN	13.10						
WTR YR 1985	MEAN	16.18	MAX	39.63	MIN	13.10						

MOBILE RIVER BASIN

02465493 ELLIOTTS CREEK AT MOUNDVILLE, AL

LOCATION.--Lat 32°59'50", long 87°37'20", in W $\frac{1}{2}$ sec. 6, T. 23 N., R. 5 E., Hale County, Hydrologic Unit 03160113, on downstream side of bridge on State Highway 69 at Moundville, 2.5 mi upstream from Southern Railway bridge, and 6.6 mi upstream from mouth.

DRAINAGE AREA.--32.3 mi².

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

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 147.81 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--9 years, 46.5 ft³/s, 19.55 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,600 ft³/s, Apr. 13, 1979, gage height, 7.40 ft; minimum, 10 ft³/s, July 24, 1981.

EXTREMES FOR CURRENT YEAR.-- Peak discharges greater than base discharge of 450 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 5	0900	*374	*6.08				

Minimum discharge, 13 ft³/s, June 6, 7, 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	18	25	40	27	113	69	44	35	15	15	24	18	
2	19	50	75	26	117	70	35	43	15	15	30	16	
3	19	55	188	29	67	58	32	37	14	15	30	17	
4	19	37	111	32	47	50	30	31	14	17	20	20	
5	18	31	92	28	226	50	37	28	14	23	17	19	
6	18	28	94	25	224	46	66	26	13	30	16	17	
7	18	25	64	24	99	39	51	25	13	34	17	17	
8	23	24	50	24	69	37	36	28	13	19	17	17	
9	31	23	45	24	57	37	33	45	13	16	25	16	
10	28	25	42	24	51	35	31	70	37	15	18	16	
11	24	30	39	24	79	33	31	51	65	15	15	16	
12	21	29	37	23	89	32	31	39	31	15	15	15	
13	20	25	35	22	59	30	32	28	21	17	14	16	
14	20	24	34	23	48	29	37	23	18	14	15	15	
15	24	25	32	23	43	29	57	20	17	15	19	15	
16	27	28	31	24	39	29	71	18	17	19	64	15	
17	34	27	30	38	37	28	49	17	17	17	143	15	
18	34	26	29	35	36	28	38	16	41	18	54	15	
19	26	38	29	28	34	27	34	16	74	15	24	15	
20	23	32	28	25	33	27	32	16	34	14	19	15	
21	49	25	28	24	32	35	32	21	22	14	18	15	
22	115	24	30	23	30	88	31	27	19	21	17	15	
23	82	24	29	24	30	64	29	19	17	56	17	20	
24	64	24	27	26	66	52	46	18	16	29	16	31	
25	56	24	26	26	176	49	53	17	16	21	18	23	
26	32	24	25	24	237	37	38	16	15	19	70	19	
27	27	44	25	24	117	35	42	15	15	43	63	17	
28	28	107	25	29	79	39	39	15	15	70	29	16	
29	37	80	25	28	---	35	33	17	16	31	23	16	
30	35	43	26	32	---	33	30	19	16	22	21	25	
31	27	---	26	71	---	43	---	17	---	36	19	---	
TOTAL	1016	1026	1417	859	2334	1293	1180	813	663	720	907	522	
MEAN	32.8	34.2	45.7	27.7	83.4	41.7	39.3	26.2	22.1	23.2	29.3	17.4	
MAX	115	107	188	71	237	88	71	70	74	70	143	31	
MIN	18	23	25	22	30	27	29	15	13	14	14	15	
CFSM	1.02	1.06	1.41	.86	2.58	1.29	1.22	.81	.68	.72	.91	.54	
IN.	1.17	1.18	1.63	.99	2.69	1.49	1.36	.94	.76	.83	1.04	.60	
CAL YR 1984	TOTAL	15384		MEAN	42.0	MAX	193	MIN	17	CFSM	1.30	IN.	17.72
WTR YR 1985	TOTAL	12750		MEAN	34.9	MAX	237	MIN	13	CFSM	1.08	IN.	14.68

MOBILE RIVER BASIN

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02466030 BLACK WARRIOR RIVER AT SELDEN LOCK AND DAM, NEAR EUTAW, AL
(Formerly published as Black Warrior River at Warrior Lock and Dam, near Eutaw)

LOCATION.--Lat 32°46'40", long 87°50'26", in SE¼ sec. 24, T. 21 N., R. 2 E., Hale County, Hydrologic Unit 03160113, on left bank at dam, 1.2 mi upstream from White Creek, 5.0 mi southeast of Eutaw, and at mile 49.6.

DRAINAGE AREA.--5,810 mi².

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

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 50.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharges. Records fair. Some regulation by Lewis Smith Reservoir on Sipsey Fork (station 02451950), by Bankhead lock and dam on Black Warrior River, usable capacity, 112,000 acre-ft, Holt lock and dam on Black Warrior River, usable capacity, 115,000 acre-ft, and lock and dam at gage.

AVERAGE DISCHARGE.--9 years, 10,240 ft³/s, 23.93 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 222,000 ft³/s, Apr. 16, 1979; maximum gage height, 58.87 ft, Apr. 16, 1979; minimum daily discharge, 317 ft³/s, Sept. 24, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 45,000 ft³/s, Feb. 7; gage height, 45.85 ft; minimum daily, 839 ft³/s, Oct. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	882	980	10300	6090	24100	16300	4080	4140	3400	1640	13300	2940	
2	899	4490	10500	3310	35600	14100	5780	10300	1010	4600	9160	1250	
3	865	6530	15100	7890	36300	12500	6050	18500	1400	2920	7660	4560	
4	930	2050	15600	7680	30300	8960	5750	16900	4090	4340	6670	4380	
5	895	4800	15500	7100	26100	10100	3660	13200	2940	1350	4060	4550	
6	945	1000	14600	4190	34700	9240	6660	12100	2610	6760	5310	4020	
7	862	1010	13000	4000	37000	9090	7650	11600	3420	10700	5050	3990	
8	950	1040	12500	5340	31600	8350	7770	10000	2480	3700	5590	1070	
9	936	2140	11200	6670	22900	6150	5740	12300	1010	5110	6120	1880	
10	919	1260	10400	6150	17800	4950	5440	16300	2310	4920	4990	5260	
11	954	3270	8850	4040	14900	5840	4980	19400	8050	4900	4790	4160	
12	839	1310	9940	3670	19800	5520	2330	18600	4710	4270	1530	4370	
13	1040	1180	10000	3980	22900	5630	4440	15000	5150	2240	5130	4560	
14	1710	3060	9450	2230	19900	3390	1800	13300	3360	1150	4010	2500	
15	1190	2370	8340	4060	16000	3940	6860	11100	4760	2610	3210	893	
16	991	1650	8110	3530	14400	3090	7910	9850	2560	3790	6240	1070	
17	993	1120	8360	4990	12900	2770	7330	8140	1140	4250	12200	4200	
18	2290	2350	7970	4470	11400	4200	7460	5600	5020	5560	13200	3210	
19	1010	4040	7580	2940	11100	3770	4610	3650	5490	4130	9070	3240	
20	1070	2950	7280	4690	11800	3240	6110	1550	3930	2950	6410	3180	
21	1910	3930	7920	5530	10600	4180	1240	5810	3980	1150	5960	2480	
22	4400	4170	7780	7330	9670	6710	1980	3760	2630	1140	5180	1290	
23	4350	1710	4660	6130	8440	7870	5320	4570	3710	4890	4250	1520	
24	4790	2980	1880	5800	9460	5610	4710	3700	1760	4100	3690	1670	
25	7030	979	4060	4790	15700	7190	5860	2330	3940	3030	6490	1760	
26	5790	1840	2050	2440	21600	6860	7470	937	3420	4170	3900	1780	
27	3470	3790	6030	1730	22000	5410	5750	2000	2410	6410	6540	1220	
28	966	9630	4820	2580	19400	5970	1440	2590	3410	26000	6750	983	
29	3090	15000	3800	2520	---	2840	4570	2830	3110	34300	6340	1030	
30	3670	14800	2250	4250	---	4480	4520	2280	2770	31500	3730	2360	
31	2410	---	2540	8010	---	5460	---	1760	---	21300	5170	---	
TOTAL	63046	107429	262370	148130	568370	203710	155270	264097	99980	219880	191700	81376	
MEAN	2034	3581	8464	4778	20300	6571	5176	8519	3333	7093	6184	2713	
MAX	7030	15000	15600	8010	37000	16300	7910	19400	8050	34300	13300	5260	
MIN	839	979	1880	1730	8440	2770	1240	937	1010	1140	1530	893	
CFSM	.35	.62	1.46	.82	3.49	1.13	.89	1.47	.57	1.22	1.06	.47	
IN.	.40	.69	1.68	.95	3.64	1.30	.99	1.69	.64	1.41	1.23	.52	
CAL YR 1984	TOTAL	3216123		MEAN	8787	MAX	46800	MIN	839	CFSM	1.51	IN.	20.59
WTR YR 1985	TOTAL	2365358		MEAN	6480	MAX	37000	MIN	839	CFSM	1.12	IN.	15.14

MOBILE RIVER BASIN

02466031 BLACK WARRIOR RIVER BELOW SELDEN DAM NEAR EUTAW, AL
(National stream-quality accounting network station)

LOCATION.--Lat 32°46'44", long 87°50'39", in sec. 24, T. 21 N., R. 2 E., Hale County, Hydrologic Unit 03160113, 0.3 mi downstream from Warrior dam, 0.3 mi upstream from Jenny Watson Creek, and 4.6 mi southeast of Eutaw.

DRAINAGE AREA.--5,810 mi².

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1978 to current year.

WATER TEMPERATURE: February 1978 to current year.

REVISED RECORD.--WDR AL-84-1: Drainage area.

REMARKS.--Interruptions in conductance and temperature data due to malfunctions of equipment.

COOPERATION.--Specific conductance and temperature data furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 274 microsiemens, Oct. 21, 1979; minimum daily, 72 microsiemens, Mar. 30, 1980.

WATER TEMPERATURE: Maximum daily, 35.0°C, July 12, 14, 1985; minimum daily, 5.0°C, Feb. 25, 1978, Feb. 2, 1979, Jan. 19, 1982, and Feb. 2, 3, 1985.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 255 microsiemens, Dec. 16; minimum daily, 97 microsiemens, Mar. 2.

TEMPERATURE: Maximum daily, 35.0°C, July 12, 14; minimum daily, 5.0°C, Feb. 2, 3.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCOCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT													
10...	1000	769	190	6.9	22.0	3.1	8.5	96	K13	K6	59	26	13
DEC													
14...	1145	8730	240	7.2	12.5	8.0	11.4	106	25	K1	85	44	19
FEB													
07...	1030	36900	167	6.5	6.5	60	13.0	104	190	K1000	50	30	11
APR													
10...	1100	6220	155	7.6	17.5	6.5	10.1	104	30	--	51	30	11
JUN													
11...	0900	12000	149	6.9	29.0	5.5	7.4	96	K35	36	46	20	9.9
AUG													
08...	0900	5980	185	7.5	27.0	6.0	7.8	98	K20	K9	59	26	13

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT												
10...	6.4	12	30	0.7	2.1	33	8.0	38	8.4	0.20	0.6	110
DEC												
14...	9.2	13	24	.6	3.2	41	5.0	59	7.4	.10	4.6	145
FEB												
07...	5.5	7.2	23	.5	1.9	20	12	43	5.1	<.10	5.3	--
APR												
10...	5.8	7.0	22	.4	1.7	21	1.0	36	5.2	.10	5.1	85
JUN												
11...	5.1	7.7	26	.5	1.8	26	6.3	29	5.6	.10	.9	--
AUG												
08...	6.4	8.8	24	.5	2.5	33	2.0	39	5.3	.20	5.0	113

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHATE DIS- SOLVED (MG/L AS P)
OCT										
10...	100	0.15	228	0.19	0.040	0.05	0.90	<.010	<.010	<.010
DEC										
14...	140	.20	3420	.85	.040	.05	.30	.020	<.010	.020
FEB										
07...	92	.12	9170	.71	.200	.26	.70	.150	<.010	.040
APR										
10...	85	.12	1430	.47	.030	.04	1.0	<.010	<.010	<.010
JUN										
11...	76	.10	2450	--	--	--	.90	<.010	<.010	--
AUG										
08...	100	.15	1820	.49	.050	.06	.40	<.010	<.010	.010

MOBILE RIVER BASIN

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02466031 BLACK WARRIOR RIVER BELOW SELDEN DAM NEAR EUTAW, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)		
OCT 10...	20	<1	35	0.0	<1	<1	<3	<1	<3		
FEB 07...	120	<1	29	.7	<1	<1	<3	4	110		
APR 10...	20	<1	28	.8	<1	<1	<3	2	59		
AUG 08...	40	<1	31	1.4	<1	3	<3	4	16		
DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	ICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 10...	7	11	<1	<.1	<10	1	<1	<1	78	<6	<3
FEB 07...	1	9	330	<.1	<10	4	<1	<1	46	<6	11
APR 10...	1	4	3	<.1	<10	2	<1	<1	52	<6	10
AUG 08...	<1	8	1	.1	<10	5	<1	<1	62	<6	<3
DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (MG/L)
OCT 10...	8	17	99								
DEC 14...	24	566	96								
APR 10...	13	218	96								
JUN 11...	20	648	93								
AUG 08...	17	274	96								

MOBILE RIVER BASIN

02466031 BLACK WARRIOR RIVER BELOW SELDEN DAM NEAR EUTAW, AL--Continued

SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	179	145	166	---	124	108	153	157	133	125	196	185
2	178	140	167	---	150	97	155	167	134	126	195	160
3	177	140	163	140	155	114	153	185	148	130	195	153
4	187	162	164	132	140	129	159	198	174	130	194	148
5	188	161	169	132	149	126	155	190	185	129	195	167
6	190	163	165	134	150	125	154	175	182	132	191	155
7	192	158	195	134	146	124	151	167	150	126	193	155
8	194	160	196	134	121	124	153	171	148	142	180	155
9	185	148	214	148	122	126	152	173	144	142	174	159
10	176	147	220	148	121	144	149	180	143	145	176	160
11	175	155	242	127	111	120	155	191	138	147	176	165
12	175	152	231	127	108	124	148	211	141	154	177	164
13	179	160	240	115	123	122	150	214	142	155	177	165
14	173	156	242	110	125	125	148	214	131	157	160	170
15	175	143	248	119	125	121	154	205	141	158	148	156
16	178	140	255	122	125	121	162	187	142	160	153	154
17	174	138	235	120	123	121	154	184	144	159	152	161
18	178	149	220	116	124	127	153	185	134	160	148	---
19	189	160	202	116	133	141	155	170	128	161	---	180
20	186	155	201	120	120	138	155	175	128	169	139	170
21	187	160	203	112	132	130	155	163	127	138	126	185
22	170	177	196	120	128	130	148	158	130	149	130	170
23	178	175	178	120	124	140	148	158	148	175	133	170
24	180	180	176	123	126	141	160	149	130	164	137	169
25	176	180	---	126	128	142	149	150	125	165	132	169
26	151	168	---	113	111	138	154	150	128	166	130	165
27	145	170	---	111	113	140	170	152	129	160	125	165
28	144	160	---	106	114	156	170	150	126	162	129	166
29	145	168	---	117	---	152	168	152	126	197	129	167
30	142	166	---	125	---	150	167	148	126	202	138	---
31	145	---	---	130	---	149	---	148	---	185	135	---
MEAN	174	158	204	124	128	130	155	173	140	154	159	165
WTR YR 1985		MEAN 155	MAX 255	MIN 97								

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
ONCE-DAILY

1	23.0	25.0	15.0	---	7.0	15.0	17.0	23.0	27.0	28.0	30.0	28.0
2	23.0	25.0	15.0	---	5.0	14.0	18.0	23.0	27.0	28.0	30.0	28.0
3	24.0	25.0	14.0	11.0	5.0	15.0	19.0	21.0	28.0	29.0	29.0	29.0
4	24.0	22.0	13.0	9.0	5.5	13.0	20.5	24.0	28.0	29.0	29.0	28.0
5	25.0	20.0	13.0	9.0	7.0	14.0	21.0	23.0	28.0	25.0	28.5	28.0
6	25.0	21.0	12.0	8.0	6.0	14.0	20.0	24.0	28.0	23.0	28.0	30.0
7	25.0	19.0	12.5	8.0	8.0	14.0	19.0	24.0	32.0	26.0	28.0	30.0
8	25.0	18.5	11.0	8.0	7.0	14.0	19.0	24.0	33.0	26.0	28.0	30.0
9	23.0	21.0	11.0	10.0	7.0	14.0	20.0	25.0	33.0	29.0	28.0	30.0
10	23.0	21.0	13.0	10.0	7.0	16.0	18.5	23.0	33.0	30.0	26.0	30.0
11	23.0	18.0	12.0	8.0	7.5	15.0	19.0	24.0	30.0	30.0	26.0	29.0
12	23.0	17.0	12.0	8.0	8.0	18.0	19.5	25.0	29.5	35.0	29.0	29.0
13	24.5	18.0	14.0	13.0	8.0	17.0	19.5	26.0	30.0	34.0	29.0	28.0
14	24.0	19.0	14.5	7.0	8.0	16.0	19.5	26.0	30.0	35.0	29.5	26.0
15	24.0	20.0	15.0	9.0	8.0	16.0	19.5	25.0	27.0	30.0	30.0	26.0
16	25.0	18.0	16.0	11.0	8.0	16.0	20.0	25.5	27.0	31.0	29.0	26.0
17	23.0	18.0	15.0	10.0	7.0	16.0	20.0	25.0	30.0	30.0	30.0	27.0
18	24.0	18.0	14.0	7.0	7.0	15.5	20.5	25.0	28.0	30.0	30.0	---
19	26.0	15.0	16.0	12.0	8.0	18.0	20.5	25.0	25.0	30.0	---	28.0
20	26.0	16.0	16.0	6.0	10.0	18.0	20.5	26.0	25.0	33.0	29.0	27.0
21	26.0	15.0	16.0	7.0	12.0	15.0	20.5	26.0	27.0	32.0	29.0	28.0
22	23.5	15.0	16.0	8.0	10.0	16.0	21.5	26.0	27.0	32.0	29.0	29.0
23	25.0	15.0	16.0	8.0	12.0	16.0	25.0	26.0	27.0	30.0	29.0	29.0
24	25.0	15.0	15.0	8.0	12.0	16.0	22.5	26.0	27.0	30.0	30.0	29.0
25	26.0	15.0	---	14.0	12.0	16.0	24.0	26.0	30.0	32.0	30.0	29.0
26	24.0	17.0	---	9.0	12.0	16.0	25.0	26.0	32.0	32.0	29.5	25.0
27	22.0	15.0	---	9.0	13.0	16.0	24.0	26.0	32.0	32.0	28.0	25.0
28	24.0	15.0	---	8.0	15.0	19.0	23.0	27.0	31.0	32.0	28.0	25.0
29	25.0	15.0	---	---	---	19.0	23.0	27.0	31.0	29.5	28.0	26.0
30	25.0	14.5	---	9.0	---	20.0	23.0	26.5	31.0	29.0	28.0	---
31	25.0	---	---	10.0	---	20.0	---	27.0	---	29.0	28.0	---
MEAN	24.5	18.0	14.0	9.0	8.5	16.0	20.5	25.0	29.0	30.0	29.0	28.0
WTR YR 1985		MEAN 21.0	MAX 35.0	MIN 5.0								

MOBILE RIVER BASIN

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02466040 BLACK WARRIOR RIVER BELOW SELDEN LOCK NEAR SAWYERVILLE, AL
(Formerly published as Black Warrior River below Warrior Lock and Dam near Sawyerville)

LOCATION.--Lat 32°46'10", long 87°49'40", in N½ sec. 30, T. 21 N., R. 3 E., Hale County, Hydrologic Unit 03160112, on downstream side of lock, 1.4 mi upstream from Presley Ford Branch, 6 mi west of Sawyerville, and at mile 43.8.

DRAINAGE AREA.--5,838 mi².

PERIOD OF RECORD.--October 1971 to current year (gage heights only). Unpublished records from October 1957 to September 1971 available in files of U.S. Army Corps of Engineers.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is 59.76 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

COOPERATION.--Records were provided by U.S. Army Corps of Engineers.

EXTREMES (0700) FOR PERIOD OF RECORD.--Maximum gage height, 50.1 ft, Feb. 25, 1961; minimum, 13.3 ft, Aug. 10, 1960.

EXTREMES (0700) FOR CURRENT YEAR.--Maximum gage height, 29.5 ft, Feb. 7; minimum, 13.4 ft, Oct. 10.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.50	14.40	19.20	15.70	19.40	21.60	15.80	15.60	14.70	14.50	19.60	14.70
2	13.50	14.60	18.30	15.40	26.20	20.00	16.30	16.70	14.30	14.90	17.90	14.40
3	13.50	16.00	19.60	16.00	28.60	19.60	16.30	19.60	14.20	15.00	16.50	15.00
4	13.70	15.60	19.70	16.50	28.40	18.00	16.20	21.50	14.80	15.10	16.20	15.00
5	13.80	15.30	19.70	16.60	25.70	17.50	15.60	20.90	14.50	14.50	15.70	14.80
6	14.00	15.20	19.30	15.80	27.10	17.50	16.20	20.20	14.40	15.20	15.00	15.00
7	13.70	14.90	19.10	14.90	29.50	17.30	16.90	20.20	14.50	16.10	15.00	14.60
8	13.70	14.60	18.90	15.60	29.40	17.20	16.60	19.00	14.40	15.50	15.20	14.60
9	13.70	14.60	18.30	16.00	26.30	16.40	16.10	18.40	14.30	15.60	15.30	14.20
10	13.40	14.20	17.30	15.90	23.30	15.60	15.90	19.80	14.20	14.80	15.00	15.40
11	13.90	15.20	17.40	15.40	21.60	16.00	15.50	20.90	16.00	14.90	15.00	15.50
12	14.00	14.40	16.80	15.20	21.40	15.80	15.40	21.00	15.70	14.90	15.00	15.50
13	14.00	14.60	16.90	15.50	24.20	16.00	15.50	19.80	15.80	14.90	15.00	14.90
14	14.00	14.60	17.20	14.50	23.90	15.20	14.90	18.90	15.20	14.20	14.80	14.90
15	14.00	14.40	17.00	15.00	22.50	15.30	15.60	18.00	15.50	14.40	14.70	14.30
16	14.00	14.60	16.40	15.30	21.20	15.30	16.70	17.00	15.00	14.80	15.20	14.20
17	14.00	14.60	16.30	15.60	20.40	14.70	16.50	16.70	14.20	15.00	16.20	14.50
18	14.40	14.60	16.30	16.40	19.20	15.40	16.60	16.10	15.00	15.30	18.00	14.40
19	14.30	15.10	16.20	16.40	18.30	15.00	15.70	15.10	16.30	15.40	17.60	14.40
20	13.90	15.20	16.20	16.00	18.50	15.10	16.20	14.90	15.80	14.60	16.10	14.30
21	14.20	15.70	16.20	16.00	17.90	15.20	14.90	15.20	15.60	14.20	15.80	14.30
22	16.40	15.80	16.20	15.80	17.70	16.20	14.70	15.10	15.10	14.30	15.50	14.30
23	16.40	14.90	15.90	16.00	17.00	17.20	15.80	15.00	15.10	14.80	15.30	14.30
24	17.40	15.20	15.00	15.80	16.50	16.10	15.70	15.10	14.70	14.80	15.10	14.30
25	18.60	14.80	15.20	15.40	19.20	16.40	16.90	14.90	15.10	15.00	15.20	14.40
26	17.60	14.60	14.60	15.60	22.90	16.50	17.40	14.70	14.70	15.30	15.10	14.10
27	17.40	14.90	15.50	15.00	24.10	15.90	16.60	14.60	14.50	15.40	15.80	14.20
28	17.40	16.70	15.30	15.00	23.10	15.90	16.00	15.00	14.70	18.90	15.80	14.20
29	15.60	19.90	15.20	15.30	---	15.80	16.10	14.90	14.90	24.60	15.70	13.90
30	15.40	20.10	14.80	15.50	---	15.60	15.80	14.40	14.90	26.70	15.30	14.00
31	15.00	---	14.70	15.40	---	15.30	---	14.70	---	23.90	15.20	---
MEAN	14.79	15.31	16.93	15.63	22.62	16.47	16.01	17.22	14.94	16.05	15.77	14.55
MAX	18.60	20.10	19.70	16.60	29.50	21.60	17.40	21.50	16.30	26.70	19.60	15.50
MIN	13.40	14.20	14.60	14.50	16.50	14.70	14.70	14.40	14.20	14.20	14.70	13.90

WTR YR 1985 MEAN 16.32 MAX 29.50 MIN 13.40

MOBILE RIVER BASIN

02467000 TOMBIGBEE RIVER AT DEMOPOLIS LOCK AND DAM, NEAR COATOPA, AL

LOCATION.--Lat 32°31'15", long 87°52'39", in NW¼ sec. 22, T. 18 N., R. 2 E., Marengo County, Hydrologic Unit 03160201, on left bank 100 ft upstream from lock and dam, 0.5 mi downstream from Foscue Creek 2.5 mi west of Demopolis, 3.5 mi upstream from Hall Creek, 13 mi east of Coatopa, and at mile 171.2.

DRAINAGE AREA.--15,385 mi².

PERIOD OF RECORD.--August 1928 to current year. Published as "near Coatopa" 1928-55.

REVISED RECORDS.--WSP 782: 1934. WSP 952: 1941. WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 56.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 31, 1939, nonrecording gage, and Nov. 1, 1939 to Sept. 30, 1955, water-stage recorder at site 11.6 mi downstream at datum 26.70 ft lower.

REMARKS.--No estimated daily discharges. Records fair except those below 2,000 ft³/s, which are poor. Some regulation by Lewis Smith Reservoir on Sipsey Fork (station 02551950), Bankhead Lock and Dam on Black Warrior River, usable capacity, 112,000 acre-ft, Holt Lock and Dam on Black Warrior River, usable capacity, 115,000 acre-ft, and lock at gage. Diversion through lock valves included in figures of discharge.

AVERAGE DISCHARGE.--57 years, 23,520 ft³/s, 20.74 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 343,000 ft³/s, Apr. 18, 1979, gage height, 37.03; minimum, daily, 50 ft³/s, Aug. 1-6, 1954 (results of closure of and storage above Demopolis lock and dam during construction).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 106,000 ft³/s, Feb. 7; maximum gage height, 23.55 ft, Feb. 7; minimum daily discharge, 705 ft³/s, Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	746	5400	46200	12100	56400	54500	20000	17600	6640	3970	25400	6040
2	845	9410	43300	11800	87000	44200	20900	34100	5000	6060	19700	4210
3	705	17600	53000	14400	93500	36100	19400	58800	3150	5940	13900	5880
4	1040	13700	48400	17500	85500	28600	16000	71500	4850	6370	11700	6400
5	1740	11700	44100	17000	82200	26900	13800	75600	5200	4790	8840	6780
6	1240	8300	42200	14600	94700	24600	17500	76700	3900	7210	7280	7010
7	965	5960	37700	11200	105000	21600	18900	62900	5440	12100	9420	5890
8	868	4430	32400	12100	104000	20100	18500	41800	4820	9660	8160	4280
9	1620	4720	27800	13200	89400	18000	17000	43000	3470	7600	8780	4750
10	1770	4510	23500	13300	70900	14200	13200	52500	4870	7030	8510	10200
11	1360	7570	21900	12300	64300	14000	13200	47600	13400	6840	7730	9420
12	996	6230	20000	9660	75200	13700	10000	42300	13600	6900	4890	7910
13	1320	5310	20800	9900	91200	13100	9680	35700	13100	5920	5350	5790
14	1690	5740	20400	6070	93800	11200	8220	29900	10000	2910	6650	5300
15	1980	5300	19100	7420	83900	9550	13800	24400	8980	3890	5310	3080
16	1670	6790	16500	10000	70200	9130	21900	19300	7190	5770	6680	1930
17	2900	6790	16000	16000	55100	8250	21300	17300	5590	6910	20300	3560
18	3870	6440	16900	27800	40900	9040	19800	13800	8360	7310	28900	4330
19	3240	10900	15700	24500	33300	8080	14200	9010	20600	7350	23000	3590
20	3000	16100	14200	23700	30300	8330	14400	7320	15700	5530	17000	4180
21	8030	15400	14400	20100	28700	9310	9970	8390	12200	3770	12900	3750
22	20300	13800	15800	18200	24200	17100	7320	8340	8190	3100	10200	2490
23	31000	10100	13000	15900	23400	22000	9960	8760	8460	4890	8930	3300
24	43500	10100	8440	14300	27000	18000	16300	5960	6670	6600	8110	4700
25	48900	7070	10100	12800	55200	17900	29400	7290	6760	9320	10300	3550
26	43000	5420	7580	11200	80300	16900	31000	5410	4940	11400	11200	3450
27	33400	9070	10200	7980	76900	14100	26400	4530	5160	12400	12600	2480
28	19300	34400	11000	8820	65400	14300	21500	5680	6320	25000	12400	2660
29	12600	54500	9920	10000	---	12100	19500	5690	6370	40500	11000	2000
30	10100	52500	7690	13100	---	12200	16100	4120	4970	45600	9080	2290
31	7900	---	6330	21500	---	14200	---	4590	---	39800	7940	---
TOTAL	311595	375260	694560	438450	1887900	561290	509150	849890	233900	332440	362160	141200
MEAN	10050	12510	22410	14140	67430	18110	16970	27420	7797	10720	11680	4707
MAX	48900	54500	53000	27800	105000	54500	31000	76700	20600	45600	28900	10200
MIN	705	4430	6330	6070	23400	8080	7320	4120	3150	2910	4890	1930

CAL YR 1984 TOTAL 9126825 MEAN 24940 MAX 133000 MIN 680 MEAN +24730 CFSM +1.61 IN. +21.82
WTR YR 1985 TOTAL 6697795 MEAN 18350 MAX 105000 MIN 705 MEAN +18470 CFSM +1.20 IN. +16.30

† Adjusted for change in contents in Lewis Smith Reservoir.

MOBILE RIVER BASIN

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02467001 TOMBIGBEE RIVER BELOW DEMOPOLIS LOCK AND DAM, NEAR COATOPA, AL

LOCATION.--Lat 32°31'15", long 87°52'48", in NW¼ sec. 22, T. 18 N., R. 2 E., Marengo County, Hydrologic Unit 03160201, on left bank at downstream end of lock and dam, 0.6 mi downstream from Foscue Creek 2.5 mi west of Demopolis, 3.4 mi upstream from Hall Creek, 13 mi east of Coatopa, and at mile 171.1.

DRAINAGE AREA.--15,385 mi² (revised).

WATER-STAGE RECORDS

PERIOD OF RECORD.--July 1951 to September 1983, October 1984 to September 1985 (gage heights only). October 1971 to current year in reports of Geological Survey. July 1951 to September 1971 in files of U.S. Army Corps of Engineers.

GAGE.--Nonrecording gage. Datum of gage is 20.00 ft above National Geodetic Vertical Datum of 1929.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 72.3 ft, Apr. 19, 1979; minimum, 10.9 ft, Oct. 4, 1984.

EXTREMES FOR 1984 WATER YEAR.--Maximum gage height, 63.1 ft, Dec. 12, minimum, 11.4 ft, Sept. 30.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 48.7 ft, Feb. 8, minimum, 10.9 ft, Oct. 4.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.10	12.90	35.90	53.60	25.40	35.20	34.50	50.00	20.40	14.40	13.80	13.40
2	12.80	12.90	30.40	52.90	24.80	32.20	31.00	51.70	19.00	13.70	14.60	13.20
3	12.90	13.00	24.40	50.80	23.10	29.80	28.90	50.90	16.70	13.60	15.00	13.00
4	12.80	13.00	35.20	45.00	22.90	27.10	38.40	51.90	15.00	13.70	15.20	12.60
5	12.80	13.20	46.00	39.20	22.10	24.20	44.20	53.60	14.80	14.00	15.10	13.20
6	12.80	13.00	53.00	34.10	23.00	35.40	47.00	54.80	14.90	13.00	15.30	12.50
7	12.70	13.00	57.40	29.50	21.00	41.50	46.70	55.70	14.30	14.00	16.00	12.50
8	12.70	13.10	59.90	26.70	18.50	43.30	44.60	55.60	14.00	14.60	16.90	13.00
9	12.70	13.00	61.10	24.60	18.10	42.10	42.10	53.80	13.70	14.80	15.50	13.00
10	12.70	13.00	62.30	27.20	17.50	38.40	42.00	51.20	14.10	13.70	15.60	12.50
11	12.70	12.90	63.00	27.30	23.60	33.60	39.90	49.80	14.20	14.00	15.80	12.50
12	12.70	12.90	63.10	33.20	30.20	28.30	37.00	48.60	13.30	14.00	15.80	12.80
13	13.50	13.10	61.90	36.50	32.50	25.50	32.50	46.60	14.10	13.60	16.00	12.50
14	13.80	13.30	59.40	36.30	37.00	24.30	28.20	42.70	13.60	14.90	14.00	13.00
15	13.90	13.40	56.30	24.00	38.00	22.00	24.50	35.80	13.80	14.80	16.00	12.50
16	13.90	13.70	51.80	31.20	36.00	21.70	22.00	29.30	13.80	14.00	15.00	13.50
17	13.40	14.10	47.70	28.20	33.00	21.70	20.60	24.70	13.20	14.90	14.30	12.70
18	12.90	14.20	42.80	26.20	31.10	20.80	19.80	22.20	13.20	14.90	13.60	12.20
19	12.90	13.90	37.80	29.10	29.00	23.40	19.10	20.90	12.80	14.00	13.60	12.50
20	13.00	14.90	32.90	32.40	27.40	24.60	20.00	19.00	14.40	13.90	13.30	12.60
21	12.90	20.60	28.20	30.40	25.70	28.90	25.00	18.90	13.50	13.60	13.90	12.40
22	13.00	22.20	25.00	28.30	23.90	29.50	27.40	18.20	12.90	13.80	13.80	12.40
23	14.40	20.40	26.50	26.80	22.70	27.20	29.20	19.80	13.40	12.50	13.70	12.30
24	13.40	24.30	29.80	25.60	21.40	25.20	32.50	19.50	14.20	12.60	13.40	12.20
25	13.50	30.90	30.60	32.80	21.30	24.80	32.20	18.20	15.00	13.60	13.50	12.10
26	13.20	32.40	28.40	38.40	20.80	25.40	30.60	17.40	14.60	13.00	12.80	11.90
27	13.00	29.30	26.90	38.80	22.00	23.50	29.00	16.80	13.80	13.50	12.60	11.80
28	13.00	30.10	29.80	36.50	31.20	24.90	33.10	16.40	13.60	13.20	12.60	11.70
29	13.00	35.60	42.60	33.20	35.40	29.00	40.40	19.10	13.70	14.50	13.10	11.60
30	12.90	38.20	49.50	29.50	---	34.10	46.00	21.60	14.60	13.10	13.20	11.40
31	12.90	---	52.00	26.80	---	35.90	---	20.40	---	13.40	12.80	---
MEAN	13.09	18.35	43.60	33.39	26.16	29.15	32.95	34.68	14.42	13.85	14.38	12.52
MAX	14.40	38.20	63.10	53.60	38.00	43.30	47.00	55.70	20.40	14.90	16.90	13.50
MIN	12.70	12.90	24.40	24.00	17.50	20.80	19.10	16.40	12.80	12.50	12.60	11.40
CAL YR 1983 MEAN		29.97	MAX	65.10	MIN	12.70						
WTR YR 1984 MEAN		23.91	MAX	63.10	MIN	11.40						

MOBILE RIVER BASIN

02467001 TOMBIGBEE RIVER BELOW DEMOPOLIS LOCK AND DAM, NEAR COATOPA, AL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.40	14.00	31.60	15.10	27.40	39.50	19.10	18.20	13.70	13.10	25.40	14.40
2	11.40	13.50	29.20	17.30	39.20	36.30	20.80	21.80	14.20	14.10	20.30	13.80
3	11.00	18.00	32.00	16.90	43.70	31.60	20.20	30.80	12.80	14.40	18.30	12.70
4	10.90	19.10	33.40	18.80	44.00	27.30	19.50	36.80	13.60	13.90	16.70	13.70
5	11.00	16.80	31.60	19.00	42.40	24.20	18.30	39.00	13.50	14.00	15.50	13.80
6	11.50	16.50	31.20	18.50	44.90	23.50	18.10	40.20	13.40	13.60	13.80	14.00
7	11.50	14.90	30.20	16.40	47.40	22.20	19.90	39.20	13.10	14.90	14.50	13.80
8	11.50	13.90	27.20	16.50	48.70	21.00	20.10	33.40	13.80	17.00	14.80	13.80
9	12.00	13.50	24.90	16.60	47.50	20.00	19.30	29.80	13.30	14.70	14.50	12.80
10	12.20	13.50	22.60	17.60	44.10	18.90	18.00	33.00	12.70	14.20	14.80	14.80
11	13.00	14.00	21.80	17.00	40.00	18.20	16.60	33.30	15.70	14.10	14.60	15.50
12	12.70	14.40	20.40	16.20	40.30	17.90	16.40	31.20	17.40	14.50	14.20	14.30
13	12.40	13.70	20.40	15.20	43.00	17.80	15.30	28.80	17.20	14.20	13.20	14.10
14	12.80	13.60	20.80	15.00	45.10	17.00	15.50	25.30	16.40	13.20	14.20	13.90
15	13.00	14.00	20.00	13.80	44.50	16.60	15.80	23.40	15.40	13.00	13.50	13.00
16	12.70	14.00	18.80	15.90	41.80	15.90	19.30	21.30	15.60	13.40	13.80	12.50
17	12.50	14.00	18.30	16.00	38.10	15.20	20.90	19.30	14.20	14.40	16.20	12.70
18	13.40	14.00	18.80	20.20	32.80	15.50	20.00	18.10	13.40	14.20	22.70	13.20
19	13.50	14.70	18.70	23.30	27.80	15.30	19.00	16.20	18.20	14.50	22.70	13.00
20	12.90	17.40	18.10	21.40	25.30	15.40	17.80	15.10	19.40	14.00	19.60	13.00
21	13.00	18.30	17.50	21.20	24.40	15.10	16.60	14.30	16.80	13.60	17.70	13.20
22	20.20	17.50	18.10	19.70	23.50	16.60	14.40	15.20	14.50	13.00	16.00	13.00
23	23.00	16.50	18.00	18.70	22.10	20.40	15.20	14.70	15.10	13.00	14.80	12.80
24	28.20	15.30	16.30	18.00	21.30	20.40	16.20	14.40	14.20	13.60	14.80	13.30
25	31.00	14.90	15.00	17.40	28.30	19.70	21.60	14.00	14.00	14.70	14.60	13.30
26	30.90	13.70	15.10	16.80	41.10	19.10	25.40	14.60	13.90	15.40	15.90	13.00
27	28.80	14.10	15.20	15.40	44.50	18.80	24.20	13.00	13.60	16.10	16.70	12.90
28	23.50	19.90	16.30	15.20	42.60	17.60	22.80	14.10	13.20	18.40	16.80	12.80
29	18.40	30.50	15.60	15.70	---	18.10	20.40	13.90	14.50	25.90	16.40	12.50
30	16.90	33.00	15.60	16.20	---	16.80	19.60	13.40	14.30	29.10	15.80	12.50
31	15.50	---	14.40	18.00	---	17.00	---	13.60	---	29.40	14.20	---
MEAN	15.89	16.37	21.52	17.39	37.71	20.29	18.88	22.88	14.70	15.66	16.35	13.40
MAX	31.00	33.00	33.40	23.30	48.70	39.50	25.40	40.20	19.40	29.40	25.40	15.50
MIN	10.90	13.50	14.40	13.80	21.30	15.10	14.40	13.00	12.70	13.00	13.20	12.50
CAL YR 1984	MEAN	22.12	MAX	55.70	MIN	10.90						
WTR YR 1985	MEAN	19.14	MAX	48.70	MIN	10.90						

MOBILE RIVER BASIN

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02467001 TOMBIGBEE RIVER BELOW DEMOPOLIS LOCK AND DAM, NEAR COATOPA, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1969 to September 1973, October 1984 to current year.

REMARKS.--Miscellaneous samples of chemical data published for water years 1966-69.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	BIO- CHEMICAL OXYGEN DEMAND (BOD) 5-DAY 20°C	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCOCCI KF AGAR (COLS. PER 100 ML)
NOV 14...	1130	6600	130	7.5	17.0	45	22	10.0	103	--	50	40
FEB 05...	1215	81300	149	6.7	5.0	40	45	1.8	113	1.8	300	--
MAY 16...	0915	16600	173	7.4	24.0	30	15	.8	91	.8	--	--
AUG 09...	0945	10300	180	7.8	29.0	5	3.0	.8	105	.8	K13	--
DATE		HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	
NOV 14...		47	10	15	2.2	4.6	17	0.3	2.2	37	2.3	
FEB 05...		49	15	15	2.9	5.3	--	.3	--	34	13	
MAY 16...		59	25	15	5.3	8.3	23	.5	1.8	35	2.6	
AUG 09...		--	--	--	--	--	--	--	2.3	44	1.4	
DATE		SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE (MG/L AS N)		
NOV 14...		16	5.5	<.10	5.5	89	73	0.12	1590	0.27		
FEB 05...		21	5.3	<.10	5.4	90	--	.12	19800	.37		
MAY 16...		35	5.2	.20	4.5	87	96	.12	3900	.28		
AUG 09...		28	7.3	<.10	--	110	--	.15	3060	--		
DATE		NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)		
NOV 14...		0.030	0.30	0.250	0.05	0.30	0.60	2.7	0.040	<.010		
FEB 05...		.030	.40	.090	.41	.50	.90	4.0	.140	.040		
MAY 16...		.020	.30	<.010	--	1.3	1.6	7.1	<.010	<.010		
AUG 09...		<.010	.30	<.010	--	.40	.70	3.1	<.010	<.010		

MOBILE RIVER BASIN

02467001 TOMBIGBEE RIVER BELOW DEMOPOLIS LOCK AND DAM, NEAR COATOPA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

	ARSENIC TOTAL (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, TOTAL RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)		
NOV 14...	--	--	--	--	--	--	--	--	--		
FEB 05...	--	--	--	--	--	--	--	--	--		
MAY 16...	--	--	--	--	--	--	--	--	--		
AUG 09...	1	<1	<1	<1	1	3	<1	<10	5		
DATE	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	
NOV 14...	--	170	--	--	5	--	--	--	--	--	
FEB 05...	--	140	--	--	2	--	--	--	--	--	
MAY 16...	--	240	--	--	3	--	--	--	--	--	
AUG 09...	1	--	4	<10	--	<.1	0.04	9	<10	20	
DATE	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
AUG 09...	5	<1.0	<.1	<.1	<.010	<.1	<.1	<1.0	<.010	<.010	
DATE	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
AUG 09...	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.1	
DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
AUG 09...	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.01	<.01	
DATE	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 09...	<.1	<1	<10	0.03	<200	<.01	<.01	<.1	<.01	<.1	<1.00

MOBILE RIVER BASIN

177

02467500 SUGARNOOCHEE RIVER AT LIVINGSTON, AL

LOCATION.--Lat 32°34'25", long 88°11'36", in SW¼ sec. 33, T. 19 N., R. 2 W., Sumter County, Hydrologic Unit 03160202, on right bank 10 ft downstream from bridge on U.S. Highway 11, 500 ft upstream from Southern Railway bridge, 0.8 mi southwest of Livingston, and 9 mi upstream from Alamuchee Creek.

DRAINAGE AREA.--607 mi².

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 90.04 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 12, 1939, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--47 years, 830 ft³/s, 18.57 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 62,200 ft³/s, Apr. 14, 1979, gage height, 33.47 ft; minimum, 49 ft³/s, Sept. 11, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 27	0500	*4,540	*18.35				

Minimum discharge, 100 ft³/s, Sept. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	122	224	540	304	2790	3490	769	724	154	165	158	146	
2	122	384	1670	380	3260	2160	701	724	151	144	186	142	
3	124	851	2830	577	3350	1600	561	859	147	134	197	136	
4	121	798	2970	459	3220	1180	485	788	145	133	186	128	
5	123	490	3030	409	3840	998	438	579	136	169	184	131	
6	125	362	2380	383	4130	894	440	436	131	170	152	131	
7	124	299	1330	352	4340	756	547	370	127	148	139	128	
8	132	259	830	333	4260	674	573	404	125	141	196	129	
9	127	237	653	321	3990	635	453	877	124	134	220	136	
10	144	230	573	315	2380	605	390	561	217	127	226	131	
11	195	222	519	303	2140	582	359	435	685	147	180	127	
12	168	226	478	301	2710	551	343	369	241	132	145	121	
13	150	249	453	292	2800	522	339	320	235	128	131	118	
14	143	224	432	279	2750	498	358	284	188	140	126	114	
15	148	214	459	273	2040	472	394	256	168	139	124	109	
16	146	227	435	272	1070	455	438	234	148	133	145	106	
17	204	331	400	312	830	434	531	218	145	129	306	109	
18	246	457	380	468	732	427	507	204	152	133	992	109	
19	365	389	369	554	674	408	412	194	145	134	608	106	
20	273	419	365	433	635	390	361	190	144	129	304	106	
21	372	431	354	361	609	433	326	189	146	118	212	105	
22	785	338	349	311	572	710	303	205	146	113	176	103	
23	1040	285	347	276	542	816	284	227	139	115	159	123	
24	957	264	344	292	1310	743	673	231	133	128	151	145	
25	864	251	333	306	3650	698	1020	209	126	211	154	172	
26	588	248	321	311	4280	602	977	185	126	446	174	186	
27	374	384	311	304	4500	484	808	174	147	556	229	152	
28	296	997	302	311	4210	467	689	166	150	604	268	136	
29	262	1090	299	413	---	536	649	159	165	344	216	145	
30	260	873	302	612	---	567	495	157	194	230	170	342	
31	243	---	301	1230	---	629	---	152	---	183	150	---	
TOTAL	9343	12253	24659	12047	71614	24416	15623	11080	5180	5857	6964	4072	
MEAN	301	408	795	389	2558	788	521	357	173	189	225	136	
MAX	1040	1090	3030	1230	4500	3490	1020	877	685	604	992	342	
MIN	121	214	299	272	542	390	284	152	124	113	124	103	
CFSM	.50	.67	1.31	.64	4.21	1.30	.86	.59	.29	.31	.37	.22	
IN.	.57	.75	1.51	.74	4.39	1.50	.96	.68	.32	.36	.43	.25	
CAL YR 1984	TOTAL	261658		MEAN	715	MAX	4020	MIN	121	CFSM	1.18	IN.	16.04
WTR YR 1985	TOTAL	203108		MEAN	556	MAX	4500	MIN	103	CFSM	.92	IN.	12.45

MOBILE RIVER BASIN

02468500 CHICKASAW BOGUE NEAR LINDEN, AL

LOCATION.--Lat 32°19'45", long 87°47'27", in SW¼ sec. 28, T. 16 N., R. 3 E., Marengo County, Hydrologic Unit 03160201, near right bank on downstream side of bridge on U.S. Highway 43, 1.5 mi north of Linden, 2 mi downstream from Atkin Creek, and 11 mi upstream from mouth.

DRAINAGE AREA.--257 mi².

PERIOD OF RECORD.--January 1944 to September 1946, October 1965 to current year.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 63.45 ft above National Geodetic Vertical Datum of 1929. January 1944 to September 1946 nonrecording gage at site about 75 ft upstream at different datum. Since Jan. 10, 1966, auxiliary nonrecording gage on bridge of Alabama State Highway 28, 3 mi downstream. January 1944 to September 1946, auxiliary nonrecording gage at lock 3 on Tombigbee River 3 mi downstream from mouth of Chickasaw Bogue.

REMARKS.--Periods of poor gage height record: March 9-21, Apr. 12, 13, May 16-June 13, June 24-27, July 5, July 11-15, Aug. 6-15, Aug. 20-22, and Sept. 1-22. Records good except for periods of poor gage height, which are fair. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--22 years (water years 1945-46, 1966-85), 362 ft³/s, 19.13 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,700 ft³/s, Mar. 4, 1979, gage height, 30.18 ft, maximum gage height, 30.33 ft, Mar. 26, 1945, site and datum then in use; minimum observed, 0.3 ft³/s, June 27-29, 1944.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 5	2200	7,260	16.26	Feb. 26	0700	*14,600	*22.11

Minimum daily discharge, 2.5 ft³/s, Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	2.5	28	132	381	3520	1090	42	38	8.1	3.3	13	3.3	
2	2.6	161	271	1040	955	1240	37	59	7.0	3.2	7.3	3.6	
3	2.7	145	1630	642	420	454	36	146	6.3	3.4	5.5	3.3	
4	2.9	235	329	502	261	316	31	79	5.4	3.2	4.7	4.1	
5	3.0	106	2180	232	3520	447	30	44	4.8	3.0	4.0	3.5	
6	3.1	57	2790	138	3730	339	418	31	4.4	22	3.5	3.2	
7	3.1	35	471	103	636	208	172	22	4.1	13	3.2	4.3	
8	3.6	24	240	82	362	159	71	24	3.7	7.1	3.0	3.9	
9	5.4	20	172	68	248	140	41	413	8.0	5.0	3.5	3.6	
10	4.7	21	136	59	194	120	30	2520	30	4.1	4.1	3.4	
11	4.0	307	111	66	697	100	26	831	13	3.5	3.5	3.2	
12	3.8	80	90	55	787	85	23	215	8.5	3.1	3.0	3.0	
13	3.7	37	79	44	297	75	21	111	5.5	2.9	2.8	2.8	
14	3.6	25	72	41	208	65	25	69	4.5	2.8	2.7	2.7	
15	6.4	20	61	39	171	60	92	46	4.1	2.7	3.4	3.0	
16	9.9	18	53	36	132	70	269	37	4.2	10	4.4	3.5	
17	11	18	48	1520	111	120	111	29	4.3	13	7.9	5.0	
18	11	16	44	650	101	80	54	25	6.2	5.7	4.6	3.9	
19	7.1	15	41	268	98	60	34	20	8.8	4.0	3.6	3.5	
20	6.2	16	39	164	98	50	26	18	7.5	3.4	3.3	3.2	
21	27	14	39	92	92	90	21	16	5.8	3.2	3.0	3.0	
22	1530	12	41	72	85	488	17	15	5.0	4.5	3.3	3.5	
23	509	11	39	70	72	161	16	12	4.2	53	3.9	5.9	
24	1320	9.7	34	77	325	249	380	10	3.9	64	3.5	7.6	
25	244	9.6	31	79	4350	195	672	9.2	3.6	614	4.2	4.9	
26	90	9.1	28	70	11000	100	205	8.8	3.4	91	5.6	3.9	
27	49	165	26	60	1070	58	371	8.0	5.0	18	8.9	4.0	
28	42	3940	25	190	605	59	175	9.0	4.5	14	6.7	4.1	
29	240	585	25	188	---	55	82	10	4.1	14	4.3	4.2	
30	78	228	26	123	---	43	48	14	3.6	191	3.6	4.3	
31	41	---	26	1350	---	40	---	9.6	---	38	3.7	---	
TOTAL	4270.3	6367.4	9329	8501	34145	6816	3576	4898.6	191.5	1223.1	141.7	115.4	
MEAN	138	212	301	274	1219	220	119	158	6.38	39.5	4.57	3.85	
MAX	1530	3940	2790	1520	11000	1240	672	2520	30	614	13	7.6	
MIN	2.5	9.1	25	36	72	40	16	8.0	3.4	2.7	2.7	2.7	
CFSM	.54	.82	1.17	1.07	4.74	.86	.46	.61	.02	.15	.02	.01	
IN.	.62	.92	1.35	1.23	4.94	.99	.52	.71	.03	.18	.02	.02	
CAL YR 1984	TOTAL	120985.8		MEAN	331	MAX	6700	MIN	2.5	CFSM	1.29	IN.	17.51
WTR YR 1985	TOTAL	79575.0		MEAN	218	MAX	11000	MIN	2.5	CFSM	.85	IN.	11.52

MOBILE RIVER BASIN

179

02469761 TOMBIGBEE RIVER AT COFFEEVILLE LOCK AND DAM, NEAR COFFEEVILLE, AL

LOCATION.--Lat 31°45'30", long 88°07'45", in sec. 12, T. 9 N., R. 2 W., Choctaw County, Hydrologic Unit 03160203, near right bank at Coffeeville lock and dam, 4 mi downstream from Turkey Creek, 2 mi west of Coffeeville, and at mile 74.7.

DRAINAGE AREA.--18,417 mi².

PERIOD OF RECORD.--October 1960 to current year (water years 1961-67 published in 1977 annual report).

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 14.00 ft below National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records fair. Some regulation by Lewis Smith Reservoir on Sipsey Fork (station 02451950), Bankhead Lock and Dam on Black Warrior River, usable capacity, 112,000 acre-ft, Holt Lock and Dam on Black Warrior River, usable capacity, 115,000 acre-ft, and lock and dam at gage.

AVERAGE DISCHARGE.--25 years, 30,780 ft³/s, 22.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 290,000 ft³/s, Apr. 22, 1979, gage height, 65.46; minimum discharge, 891 ft³/s, Oct. 4, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1, 1874 reached a stage of 67.4 ft, discharge not determined, at site 0.5 mi downstream at present datum.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 120,000 ft³/s, Feb. 9; maximum gage height, 49.88 ft, Feb. 9; minimum daily discharge, 1,050 ft³/s, Oct. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1900	8800	51700	10700	42000	96300	18300	22000	5960	3990	34900	8610
2	1940	8240	44900	16300	68100	95400	23400	32300	7960	6240	22500	5240
3	1530	17200	49600	15400	74100	59900	21200	48000	3010	8440	17800	4840
4	1120	20700	54900	19400	81700	46800	19800	60000	5220	5370	13400	7190
5	1180	15400	52600	19300	113000	36400	16200	63200	6420	7630	11200	8300
6	1050	13600	54000	17600	114000	33000	17900	66300	5510	6990	7440	6890
7	1210	8770	49000	13900	117000	30700	21300	68000	4520	11300	9660	8120
8	1140	6550	39300	13700	117000	26900	20800	59100	6610	14200	9800	5470
9	1060	5520	34500	13000	120000	23500	19300	47700	4700	8230	9260	3440
10	1230	7090	28500	15900	118000	21400	16200	51500	3290	8140	10300	10400
11	2040	8380	24900	14700	109000	18000	14200	54100	11800	7510	7560	11000
12	3450	10000	21800	12100	101000	18400	13700	48700	15400	7700	8130	9440
13	1290	6600	21700	11300	99000	17600	10100	42600	14300	8160	3860	6270
14	1310	6940	22000	9420	101000	15900	11300	35800	12700	4210	8700	6540
15	4830	7320	20900	6670	98900	14500	11900	30100	9970	3370	5660	3950
16	4400	7120	19200	11200	96800	12400	20400	23900	9280	6190	7380	2000
17	3030	8200	17400	16300	81300	12900	23700	19700	7200	9340	12800	2610
18	8590	8180	18100	26300	58900	11900	21600	16600	6090	7160	25700	6090
19	5660	9240	17300	29800	45100	11900	18400	12400	18100	9010	26400	3600
20	5070	15000	16300	24400	36000	11900	14900	9450	19700	7490	20800	4660
21	7250	16400	15100	23900	33200	10300	13800	8540	14300	4040	15400	4600
22	28300	15000	16500	18900	31400	15400	7770	11100	10800	4350	11600	3030
23	33600	13200	16800	18800	26600	22900	9930	8810	9350	4420	9780	5720
24	44100	10400	12100	15400	27800	22400	16900	9210	8150	7090	9330	5010
25	51500	10400	10000	14300	50800	20100	30800	7000	7470	11100	9540	5680
26	50000	5520	10600	14300	75800	20100	36300	9090	6620	12100	12600	3060
27	44200	9540	9440	10000	111000	17900	37200	3860	6170	12900	12100	4420
28	32700	24400	12600	11200	104000	15200	30600	6780	6450	17600	14200	2830
29	20000	45900	11500	12200	---	17100	23700	6840	8110	31600	12200	2800
30	15000	53400	10200	13200	---	12700	20900	4630	6890	40800	11100	2470
31	11400	---	8630	19800	---	15400	---	5480	---	44300	7950	---
TOTAL	391080	403010	792070	489390	2252500	805200	582500	892790	262050	340970	399050	164280
MEAN	12620	13430	25550	15790	80450	25970	19420	28800	8735	11000	12870	5476
MAX	51500	53400	54900	29800	120000	96300	37200	68000	19700	44300	34900	11000
MIN	1050	5520	8630	6670	26600	10300	7770	3860	3010	3370	3860	2000

CAL YR 1984 TOTAL 10796100 MEAN 29500 MAX 132000 MIN 1050 MEAN +29290 CFSM +1.59 IN. +21.59
WTR YR 1985 TOTAL 7774890 MEAN 21300 MAX 120000 MIN 1050 MEAN +21420 CFSM +1.16 IN. +15.79

† Adjusted for change in contents in Lewis Smith Reservoir.

MOBILE RIVER BASIN

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM, NEAR COFFEEVILLE, AL

LOCATION.--Lat 31°45'30", long 88°07'35", in sec. 12, T. 9 N., R. 2 W., Choctaw County, Hydrologic Unit 03160203, near right bank at downstream end of Coffeeville lock and dam, 2 mi west of Coffeeville, 4 mi downstream from Turkey Creek, and at mile 74.2.

DRAINAGE AREA.--18,417 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--August 1960 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. August 1960 to September 1971 in files of U.S. Army Corps of Engineers.

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 14.00 ft below National Geodetic Vertical Datum of 1929.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 64.2 ft, Mar. 4, 1961, Apr. 23, 1979; minimum, 14.0 ft, Oct. 30, 1963, Oct. 29, 1968, Nov. 8, 1981.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 46.8 ft, Feb. 10; minimum, 13.9 ft, Oct. 2.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.00	20.20	35.30	18.70	27.10	45.00	22.30	24.20	16.80	16.00	31.50	19.30
2	13.90	18.50	34.70	21.30	35.00	44.90	24.10	27.00	17.70	16.10	28.50	17.30
3	14.20	20.00	33.80	22.00	40.00	43.40	24.70	30.70	16.70	17.20	26.20	18.20
4	14.20	23.40	35.80	22.70	42.30	40.00	24.40	35.20	15.90	16.50	23.50	18.30
5	14.40	22.90	36.70	23.70	43.40	36.80	23.40	38.00	16.90	17.40	21.70	17.70
6	14.80	21.20	37.10	23.80	44.40	34.40	22.80	39.60	17.10	16.90	19.60	17.70
7	15.10	19.60	37.20	22.90	45.20	33.00	24.00	40.60	16.50	18.80	18.30	17.50
8	15.10	18.50	35.60	21.30	46.20	31.00	24.30	40.40	17.50	20.50	19.10	16.80
9	15.10	17.10	33.30	21.20	46.60	29.50	23.90	37.90	16.60	18.90	17.90	16.20
10	15.40	17.20	31.40	21.60	46.80	27.80	23.20	36.50	16.10	18.30	18.80	16.70
11	15.40	18.10	29.40	21.70	46.60	25.90	21.90	37.50	16.70	17.30	18.50	19.30
12	16.30	18.20	27.80	21.40	45.70	24.70	21.50	37.20	20.20	17.10	17.80	18.60
13	15.70	18.30	26.90	19.60	44.80	23.50	20.50	35.70	20.60	17.50	16.60	17.80
14	15.80	16.80	26.60	19.80	44.60	23.10	20.10	33.70	19.90	16.90	17.20	16.80
15	16.40	17.60	26.00	17.70	45.10	22.30	19.60	31.40	19.10	15.50	17.90	16.80
16	17.00	17.10	25.40	18.50	45.10	21.20	21.70	28.90	18.90	16.20	17.90	15.50
17	16.20	17.90	24.00	20.20	44.60	21.00	24.40	26.20	18.10	17.70	18.80	15.80
18	17.90	18.00	23.40	24.00	42.70	20.20	24.70	24.60	17.10	17.50	22.70	16.50
19	17.60	18.20	23.20	27.80	39.30	20.00	23.50	22.60	19.30	17.90	25.80	16.50
20	17.30	19.70	23.00	27.30	36.10	19.60	22.60	20.20	22.60	18.10	25.20	15.60
21	17.40	21.00	22.40	26.60	33.80	19.60	22.50	19.20	22.00	16.90	23.20	16.60
22	22.50	21.50	22.40	25.10	32.20	20.80	20.10	19.20	20.60	16.30	20.60	15.60
23	27.50	20.80	22.60	24.40	30.10	23.80	18.90	19.20	18.70	16.40	17.70	15.90
24	30.20	19.60	21.90	23.00	28.90	25.20	19.90	19.40	18.60	17.00	18.70	18.80
25	33.50	18.80	20.00	22.60	30.50	24.80	25.20	17.60	17.40	17.40	18.50	18.60
26	34.60	17.80	20.10	21.90	39.30	24.40	29.30	17.90	17.20	19.60	19.60	17.60
27	34.30	17.50	18.70	20.50	43.60	24.10	30.60	17.00	16.10	20.60	19.60	16.50
28	32.10	20.20	19.50	20.00	44.80	23.10	30.10	17.20	16.50	20.70	20.60	15.50
29	28.00	28.90	20.20	20.30	---	23.00	28.00	17.20	17.20	24.60	20.30	15.60
30	24.30	33.90	19.90	20.80	---	22.00	26.10	17.20	16.70	29.20	20.30	16.00
31	21.70	---	18.90	21.80	---	21.90	---	15.90	---	31.60	19.60	---
MEAN	19.93	19.95	26.88	22.07	40.53	27.10	23.61	27.26	18.04	18.66	20.72	17.05
MAX	34.60	33.90	37.20	27.80	46.80	45.00	30.60	40.60	22.60	31.60	31.50	19.30
MIN	13.90	16.80	18.70	17.70	27.10	19.60	18.90	15.90	15.90	15.50	16.60	15.50

CAL YR 1984 MEAN 26.93 MAX 50.50 MIN 13.90
WTR YR 1985 MEAN 23.39 MAX 46.80 MIN 13.90

MOBILE RIVER BASIN

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02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM, NEAR COFFEEVILLE, AL--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1969 to September 1973, August 1974 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1975 to current year.

WATER TEMPERATURES: April 1975 to current year.

REMARKS.--Miscellaneous samples of chemical data published for water years 1967 and 1969. No specific conductance data and water temperature data for Sept. 16, 17, 23 due to equipment malfunctions.

COOPERATION.--Specific conductance and temperature data furnished by the U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 340 microsiemens, Oct. 23, 1981; minimum daily, 54 microsiemens, June 7, 1983.

WATER TEMPERATURES: Maximum daily, 34.0°C, July 14, 1980; minimum daily, 5.0°C, Jan. 20, 1977, Dec. 30, 31, 1983, and Jan. 2, 1984.

EXTREMES FOR CURRENT.--

SPECIFIC CONDUCTANCE: Maximum daily, 224 microsiemens, Aug. 18; minimum daily, 103 microsiemens, Mar. 1.

WATER TEMPERATURE: Maximum daily, 33.0°C, Aug. 22-23; minimum daily, 7.0° C, Feb. 12-18.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION	COLI- FORM, PECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI PECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L CACO ₃)	HARD- NESS, NONCAR- BONATE (MG/L CACO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT 11...	0945	2500	230	7.3	23.0	15	7.8	91	K19	K9	65	15	19
FEB 14...	1100	78800	119	6.4	5.0	65	13.4	104	160	K1200	42	15	14
APR 18...	1130	21500	165	6.9	20.0	10	10.1	110	K11	K14	55	16	17
AUG 15...	1030	5600	196	7.0	30.0	7.5	8.2	110	K18	K11	63	23	17

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO ₃)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT 11...	4.2	19	38	1	2.2	50	4.8	32	16	0.10	1.3	130
FEB 14...	1.8	3.6	15	.3	1.6	28	22	14	4.0	<.10	5.5	73
APR 18...	3.1	9.5	26	.6	1.8	39	9.5	21	11	<.10	5.0	97
AUG 15...	4.9	12	28	.7	2.7	40	7.7	31	10	.20	1.9	122

DATE	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH ₄)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 11...	125	0.18	877	0.20	0.040	0.05	0.80	0.020	<.010	0.040
FEB 14...	65	.10	15500	.28	.060	.08	.60	.120	.010	.030
APR 18...	93	.13	5630	.23	.370	.48	.80	.030	<.010	.060
AUG 15...	105	.17	1840	.25	.040	.05	.30	<.010	<.010	<.010

MOBILE RIVER BASIN

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM, NEAR COFFEEVILLE, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

	DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)		
	OCT 11...	20	<1	38	0.0	<1	<1	<3	1	36		
	FEB 14...	130	<1	25	.9	10	<1	<3	8	140		
	APR 18...	40	<1	33	1.2	<1	4	<3	1	190		
	AUG 15...	40	<1	37	<.5	2	<1	<3	5	50		
	DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	ICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
	OCT 11...	8	10	36	<.1	<10	3	<1	<1	120	<6	<3
	FEB 14...	2	5	29	.1	<10	3	<1	<1	82	<6	40
	APR 18...	1	11	3	.3	<10	1	<1	<1	110	<6	5
	AUG 15...	<1	10	8	.2	<10	2	<1	<1	97	<6	27
	DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
	OCT 11...	--	--	--	--	--	--	--	--	16	108	99
	FEB 14...	--	--	--	--	--	--	--	--	26	5530	78
	APR 18...	2.2	0.7	3.0	0.8	2.6	0.7	0.03	0.09	24	1390	94
	AUG 15...	<1.8	<1.0	3.4	.5	2.7	.5	.09	.07	16	242	92

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL--Continued

SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	124	142	166	146	103	142	128	165	110	213	149
2	182	114	154	154	160	104	145	120	187	140	210	152
3	184	118	152	152	152	122	135	132	183	142	215	156
4	182	132	150	151	144	118	165	142	182	143	198	153
5	210	140	150	154	148	118	160	134	180	142	200	152
6	210	146	134	150	150	120	158	133	194	149	196	205
7	208	136	142	151	146	125	160	115	183	146	190	160
8	205	138	140	154	148	128	148	110	185	151	194	163
9	203	137	143	152	148	130	150	110	180	158	200	165
10	200	130	110	155	150	132	144	126	170	166	199	163
11	210	128	150	152	130	136	147	123	188	168	209	162
12	211	131	153	146	115	135	142	130	159	157	207	161
13	208	130	165	145	121	130	148	143	176	133	205	160
14	206	131	159	150	122	131	150	150	179	150	213	162
15	215	130	160	148	120	136	148	151	175	134	210	163
16	210	128	160	145	113	137	148	153	159	131	200	---
17	208	133	177	150	120	140	148	157	161	137	240	---
18	210	144	180	150	118	139	148	165	172	149	244	183
19	210	146	178	154	113	138	149	169	164	153	210	175
20	210	142	180	150	116	136	148	170	152	142	192	165
21	205	140	185	148	118	136	150	170	148	123	162	168
22	190	138	180	132	120	142	132	167	148	151	147	165
23	174	146	176	134	123	140	142	162	149	144	140	---
24	146	125	174	146	122	140	143	186	147	154	147	164
25	142	130	185	145	121	136	147	160	146	153	157	172
26	140	137	193	145	108	138	145	187	147	164	163	170
27	135	119	197	148	110	137	142	183	160	160	154	170
28	130	142	190	146	112	136	133	184	148	160	155	182
29	145	144	180	149	---	136	122	179	123	150	155	180
30	145	131	179	148	---	136	124	179	118	165	147	182
31	142	---	185	152	---	143	---	168	---	170	150	---
MEAN	186	134	165	149	129	132	145	151	164	148	188	167
WTR YR 1985		MEAN 155	MAX 244		MIN 103							

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
ONCE-DAILY

1	25.5	24.0	15.0	16.0	9.0	14.5	19.0	24.0	28.0	29.0	31.0	30.0
2	25.0	23.0	14.0	15.0	8.0	14.5	19.5	24.0	28.0	29.0	31.0	29.0
3	25.0	23.0	14.0	14.0	8.0	15.0	20.0	24.0	28.0	29.0	31.0	29.0
4	25.0	23.0	14.0	14.0	8.0	16.0	20.0	24.0	28.0	29.0	31.0	29.0
5	25.0	23.0	14.0	14.0	8.0	16.0	19.0	24.5	29.0	29.0	30.0	29.0
6	25.0	22.5	13.0	13.0	8.0	15.0	19.0	23.0	29.0	29.0	32.0	29.0
7	25.0	22.0	13.0	13.0	8.0	15.5	19.0	23.0	29.0	29.0	30.0	30.0
8	25.0	22.0	12.0	13.0	8.0	16.0	19.0	23.0	29.0	29.0	30.0	29.0
9	25.0	22.5	12.0	13.0	8.0	16.0	19.0	23.0	29.0	29.0	30.0	29.0
10	25.0	21.0	12.0	13.0	8.0	16.0	19.0	23.5	29.0	29.0	30.0	29.0
11	25.0	20.0	12.0	13.0	7.5	16.0	20.0	24.0	29.0	29.0	30.0	30.0
12	25.0	20.0	13.0	12.0	7.0	16.5	20.0	24.0	29.0	29.0	30.5	30.0
13	25.0	20.0	14.0	12.0	7.0	17.0	20.0	24.5	29.0	30.0	30.5	29.0
14	26.0	20.0	14.0	12.0	7.0	18.0	20.0	24.0	29.0	30.5	32.0	30.0
15	25.5	19.5	14.0	12.0	7.0	18.0	20.0	24.5	29.0	30.0	31.0	29.0
16	26.0	19.0	14.0	12.0	7.0	17.5	19.0	24.5	29.0	30.0	29.0	---
17	26.0	19.0	14.5	11.0	7.0	17.0	20.0	25.0	29.0	30.0	30.0	---
18	26.0	19.0	14.0	11.0	7.0	17.0	20.0	25.0	29.0	30.0	30.0	29.0
19	26.0	19.0	14.0	11.0	9.0	17.0	20.0	25.0	28.0	30.0	30.0	29.0
20	26.0	19.0	14.0	9.0	9.0	17.0	20.0	25.0	28.0	30.0	31.0	29.0
21	26.0	19.0	15.0	8.0	9.0	17.0	21.0	25.0	28.0	31.0	31.0	29.0
22	26.0	17.5	15.0	8.0	9.0	17.0	22.0	25.0	29.0	31.0	33.0	28.0
23	25.5	17.0	15.0	8.5	11.0	17.0	22.0	25.0	29.0	30.0	33.0	---
24	25.0	17.0	15.0	9.0	9.0	17.0	23.0	24.0	29.0	30.0	31.0	28.0
25	25.0	16.0	14.0	9.0	9.0	17.0	23.0	25.0	29.0	30.0	30.0	28.0
26	25.0	16.0	15.0	9.0	13.0	18.0	23.0	26.0	29.0	30.0	30.0	28.0
27	25.0	16.0	15.0	9.0	13.0	18.0	23.0	26.5	30.0	29.0	30.0	26.5
28	25.0	14.0	16.0	9.0	15.0	18.0	23.0	26.0	30.0	29.0	30.0	26.5
29	25.0	15.5	15.5	9.0	---	18.0	24.0	26.0	30.0	29.0	30.0	26.0
30	25.0	14.0	16.0	9.0	---	18.0	24.0	27.0	29.5	30.0	30.0	26.0
31	25.0	---	16.0	10.0	---	19.0	---	28.0	---	30.0	30.0	---
MEAN	25.5	19.5	14.0	11.5	8.5	17.0	20.5	24.5	29.0	29.5	30.5	28.5
WTR YR 1985		MEAN 21.5	MAX 33.0		MIN 7.0							

MOBILE RIVER BASIN

02469800 SATILPA CREEK NEAR COFFEEVILLE, AL

LOCATION.--Lat 31°44'39", long 88°01'21", in SE¼ sec. 13, T. 9 N., R. 1 W., Clarke County, Hydrologic Unit 03160203, near left bank on downstream side of bridge on State Highway 12, 0.2 mi upstream from unnamed tributary, 3 mi downstream from Harris Creek, and 3.8 mi east of Coffeeville.

DRAINAGE AREA.--164 mi².

PERIOD OF RECORD.--June 1956 to September 1970, October 1970 to September 1974 (flood hydrograph and low flow only), October 1974 to current year.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 80 ft, by barometer.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--25 years (water years 1957-70, 1975-85), 229 ft³/s, 18.96 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,600 ft³/s, July 8, 1956, gage height, 18.37 ft; minimum, 4.8 ft³/s, Oct. 21, 1963.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft³/s and annual maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 6	1500	*1,770	*12.77				

Minimum discharge, 9.9 ft³/s, Sept. 22, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	12	65	96	318	346	658	117	117	20	16	48	17	
2	11	58	80	326	377	1190	102	257	19	17	34	13	
3	12	61	92	279	249	591	103	152	18	20	25	19	
4	12	64	100	221	190	385	91	108	17	18	21	75	
5	12	58	948	152	479	390	87	84	16	16	19	64	
6	12	49	1070	124	1580	327	184	66	15	170	17	30	
7	12	41	355	110	1050	270	144	55	14	159	15	21	
8	11	36	217	98	446	239	102	65	13	68	14	18	
9	12	34	176	88	333	220	81	188	14	37	16	20	
10	15	34	153	82	285	207	73	164	40	28	20	24	
11	16	85	136	80	482	190	68	163	27	23	16	18	
12	16	60	122	70	501	179	66	129	41	20	17	15	
13	14	47	115	65	301	167	73	89	55	18	15	14	
14	13	42	107	66	256	159	74	75	29	17	13	77	
15	67	38	98	64	229	149	176	159	22	17	14	44	
16	154	38	91	60	209	140	166	101	20	31	24	27	
17	113	44	87	480	195	150	121	58	20	26	39	19	
18	104	44	78	382	187	140	87	43	21	33	25	15	
19	47	68	74	205	182	122	70	37	36	25	18	13	
20	32	73	71	153	178	115	59	34	75	20	15	11	
21	78	54	71	111	166	176	52	32	39	17	13	10	
22	671	41	72	96	156	234	47	33	26	15	12	9.9	
23	230	37	68	111	151	166	42	32	21	56	11	173	
24	120	35	63	112	230	179	311	30	18	67	11	422	
25	84	35	61	113	589	154	894	28	17	106	28	125	
26	63	35	56	102	1420	124	314	26	16	81	33	63	
27	51	67	52	93	804	112	201	24	15	41	22	38	
28	77	653	51	347	418	132	159	23	23	33	17	28	
29	194	222	51	238	---	129	123	22	22	27	14	22	
30	125	128	53	178	---	112	95	21	19	22	20	22	
31	85	---	59	192	---	110	---	21	---	20	23	---	
TOTAL	2475	2346	4923	5116	11989	7616	4282	2436	748	1264	629	1466.9	
MEAN	79.8	78.2	159	165	428	246	143	78.6	24.9	40.8	20.3	48.9	
MAX	671	653	1070	480	1580	1190	894	257	75	170	48	422	
MIN	11	34	51	60	151	110	42	21	13	15	11	9.9	
CFSM	.49	.48	.97	1.01	2.61	1.50	.87	.48	.15	.25	.12	.30	
IN.	.56	.53	1.12	1.16	2.72	1.73	.97	.55	.17	.29	.14	.33	
CAL YR 1984	TOTAL	65539		MEAN	179	MAX	1390	MIN	11	CFSM	1.09	IN.	14.87
WTR YR 1985	TOTAL	45290.9		MEAN	124	MAX	1580	MIN	9.9	CFSM	.76	IN.	10.27

02471001 CHICKASAW CREEK NEAR KUSHLA, AL

LOCATION.--Lat 30°48'10", long 88°08'36", in NE¼ sec. 11, T. 3 S., R. 2 W., Mobile County, Hydrologic Unit 03160204, on left bank at upstream side of highway bridge, 0.7 mi upstream from Seabury Creek, 1.4 mi south-east of Kushla, 7 mi northwest of Mobile, and at mile 12.2.

DRAINAGE AREA.--125 mi².

PERIOD OF RECORD.--October 1951 to current year. Prior to October 1968, published as "near Whistler."

REVISED RECORDS.--WSP 1434: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 3.85 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 2, 1964, water-stage recorder, Aug. 3, 1964, to Dec. 9, 1965, nonrecording gage, and Dec. 10, 1965, to September 1968, water-stage recorder at site 1.4 mi upstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--34 years, 271 ft³/s, 29.44 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,000 ft³/s, Apr. 13, 1955, gage height, 25.4 ft, from floodmarks, site and datum then in use, from rating curve extended about 10,600 ft³/s, on basis of slope-area measurement of peak flow; minimum, 18 ft³/s, Sept. 3, 4, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 7	0700	1,540	11.99	Sept. 24	1600	*4,180	*16.15

Minimum discharge, 49 ft³/s, June 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	61	124	130	117	499	566	179	237	60	70	127	105	
2	61	113	115	273	541	799	163	535	61	72	105	441	
3	61	132	115	362	445	587	151	297	56	86	98	1280	
4	62	125	171	269	323	387	144	180	54	77	100	903	
5	62	108	731	185	400	320	141	143	52	70	118	489	
6	62	97	741	149	1130	287	182	118	50	301	100	376	
7	62	89	360	132	1350	245	193	106	50	815	387	294	
8	62	85	215	122	684	229	152	99	54	527	356	305	
9	63	84	177	114	434	216	128	95	87	244	229	340	
10	65	98	158	110	354	205	122	97	87	151	147	297	
11	69	113	145	108	412	194	119	102	99	115	107	194	
12	68	108	134	104	476	185	133	91	135	96	105	154	
13	64	95	128	102	366	183	130	84	284	86	97	129	
14	64	89	123	101	294	177	128	80	152	92	95	115	
15	70	87	119	101	264	168	127	77	133	92	226	104	
16	111	87	113	103	243	169	186	73	217	79	399	97	
17	110	87	109	714	227	212	234	69	159	83	303	93	
18	91	87	108	1140	218	202	161	66	108	121	189	88	
19	86	88	105	585	215	169	123	65	90	90	142	84	
20	81	93	105	314	200	154	109	68	85	82	116	80	
21	85	88	106	228	189	711	103	68	80	85	97	76	
22	85	85	107	189	179	778	99	107	76	81	86	76	
23	86	83	110	180	173	430	97	197	85	280	78	691	
24	83	83	107	188	178	284	99	180	268	538	77	3240	
25	77	83	102	221	297	230	233	114	183	308	238	1560	
26	72	84	100	196	525	199	367	88	121	738	300	589	
27	86	112	99	168	581	185	206	75	101	509	313	409	
28	510	354	99	367	510	217	146	69	87	332	206	305	
29	628	315	99	423	---	225	120	65	79	276	154	247	
30	322	177	101	435	---	191	103	63	78	206	165	228	
31	176	---	97	619	---	181	---	61	---	151	142	---	
TOTAL	3645	3453	5229	8419	11707	9285	4578	3769	3231	6853	5402	13389	
MEAN	118	115	169	272	418	300	153	122	108	221	174	446	
MAX	628	354	741	1140	1350	799	367	535	284	815	399	3240	
MIN	61	83	97	101	173	154	97	61	50	70	77	76	
CFSM	.94	.92	1.35	2.18	3.34	2.40	1.22	.98	.86	1.77	1.39	3.57	
IN.	1.08	1.03	1.56	2.51	3.48	2.76	1.36	1.12	.96	2.04	1.61	3.98	
CAL YR 1984	TOTAL	97336		MEAN	266	MAX	3300	MIN	61	CFSM	2.13	IN.	28.97
WTR YR 1985	TOTAL	78960		MEAN	216	MAX	3240	MIN	50	CFSM	1.73	IN.	23.50

RESERVOIRS IN MOBILE RIVER BASIN

02393500 ALLATOONA RESERVOIR.--Lat 34°09'46", long 84°43'40", Bartow County, Ga., Hydrologic Unit 03150104; at forebay of dam on Etowah River, 2.8 mi upstream from Nashville, Chattanooga & St. Louis Railway bridge, 4 mi east of Cartersville, Ga., and 6 mi upstream from Pumpkinvine Creek. DRAINAGE AREA, 1,120 mi². PERIOD OF RECORD, December 1949 to current year. REVISED RECORDS, WRD GA-80-1: Drainage area. GAGE, water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Lake is formed by concrete gravity dam. Spillway (crest elevation, 835.0 ft) is equipped with nine taintor gates 40 ft wide by 25 ft high. There are four sluices 5.67 ft by 10 ft high and one sluice 4.0 ft in diameter. Storage began Dec. 27, 1949; water in lake first reached minimum pool elevation Feb. 5, 1950. Total capacity at elevation 860.0 ft, top of gates, is 670,000 acre-ft, of which 587,100 acre-ft is controlled storage above 800.0 ft, minimum pool. Lake is used for flood control and power. Records furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 693,800 acre-ft, Apr. 10, 1964, elevation, 861.19 ft; minimum, 119,600 acre-ft, Dec. 4, 1954, elevation, 809.34 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 372,300 acre-ft, Mar. 8, elevation, 840.40 ft; minimum, 191,800 acre-ft, Sept. 25, elevation 821.52.

02399499 WEISS LAKE.--Lat 34°10'19", long 85°45'14", in SE¼ sec. 12, T. 10 S., R. 8 E., Cherokee County, Hydrologic Unit 03150105, about 75 ft upstream from centerline of left end of Weiss Dam on Coosa River on U.S. Highway 411, 1.2 mi east of Leesburg, 4 mi upstream from Yellow Creek, and at mile 226.1. DRAINAGE AREA, 5,270 mi², approximately. PERIOD OF RECORD, March 1961 to current year. GAGE, water-stage recorder with remote indicating gages, referenced to a vertical staff gage. Datum of gage is National Geodetic Vertical Datum of 1929.

Reservoir is formed by a compacted earth dam with a concrete gated spillway section. Spillway is equipped with five taintor gates 40 ft wide by 38 ft high. Storage began Mar. 28, 1961. Total capacity at elevation 564 ft is 360,400 acre-ft. Reservoir is used for power development and flood control. Gage-height record and capacity table furnished by Alabama Power Co.

EXTREMES FOR PERIOD OF RECORD: Maximum daily contents, 559,100 acre-ft, Apr. 8, 1977, elevation, 570.91 ft; minimum daily contents, 127,200 acre-ft, Jan. 1, 1970, elevation, 556.31 ft.

EXTREMES FOR CURRENT YEAR: Maximum daily contents, 305,600 acre-ft, Aug. 26, elevation, 563.97 ft; minimum daily contents, 148,600 acre-ft, Dec. 28, elevation, 557.51 ft.

02401620 H. NEELY HENRY RESERVOIR.--Lat 33°47'02", long 86°03'10", in N¼ sec. 31, T. 14 S., R. 6 E., Calhoun County, Hydrologic Unit 03150106, at forebay of Henry Dam on Coosa River, near Ohatchee, and 16 mi south of Gadsden. DRAINAGE AREA, 6,596 mi² (revised). PERIOD OF RECORD, April 1966 to current year. GAGE, water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.).

Reservoir is formed by a compacted earth dam with a concrete gated spillway section. Spillway is equipped with six taintor gates 40 ft wide by 29 ft high. Storage began Feb. 23, 1966. Total capacity at elevation 508 ft is 120,850 acre-ft. Reservoir is used for power development and flood control. Gage-height record and capacity table furnished by Alabama Power Co.

EXTREMES FOR PERIOD OF RECORD: Maximum daily contents, 126,800 acre-ft, Oct. 19, 1966, elevation, 508.52 ft; minimum daily contents, 51,890 acre-ft, Apr. 2, 1966, elevation, 499.88 ft.

EXTREMES FOR CURRENT YEAR: Maximum daily contents, 122,000 acre-ft, May 19, elevation, 508.10 ft; minimum daily contents, 60,100 acre-ft, Dec. 19, elevation, 501.16 ft.

02405200 LOGAN MARTIN RESERVOIR.--Lat 33°24'33", long 86°20'17", in NW¼ sec. 33, T. 18 S., R. 3 E., St. Clair County, Hydrologic Unit 03150106, at Logan Martin Dam on Coosa River, 2 mi upstream from Kelly Creek, and 10 mi north of Childersburg, Ala. DRAINAGE AREA, 7,743 mi² (revised). PERIOD OF RECORD, July 1964 to current year. GAGE, water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

Reservoir is formed by a compacted earth dam with gated concrete spillway section. Spillway is equipped with six taintor gates 40 ft wide by 38 ft high and one stoney-type trash gate 20 ft wide by 22.5 ft high. Storage began June 21, 1964. Total capacity at elevation 465 ft (top of power pool) is 273,300 acre-ft of which 142,107 acre-ft is usable storage above elevation 452.5 ft (minimum pool). Reservoir is used for power development and flood control. Gage-height record and capacity tables furnished by Alabama Power Co.

EXTREMES FOR PERIOD OF RECORD: Maximum daily contents, 475,800 acre-ft, Apr. 6, 1977, elevation, 475.31 ft; minimum daily contents, 186,100 acre-ft, Oct. 17, 1972, elevation, 458.27 ft.

EXTREMES FOR CURRENT YEAR: Maximum daily contents, 280,100 acre-ft, July 29, elevation, 465.44 ft; minimum daily, 188,700 acre-ft, Jan. 24, elevation, 458.51 ft.

02407950 LAY LAKE.--Lat 32°57'54", long 86°31'03", in NE¼ sec. 24, T. 23 N., R. 15 E., Chilton County, Hydrologic Unit 03150107, at Lay Dam on Coosa River, 0.5 mi upstream from Page Creek, and 11 mi northeast of Clanton. DRAINAGE AREA, 9,053 mi² (revised). GAGE, water-stage recorder with remote indicating gages. Prior to May 14, 1968, staff gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.). Prior to Jan. 1, 1966, at old Coosa River datum, 37.9 ft lower.

Reservoir is formed by a concrete gravity-type dam equipped with 26 radial gates 30 ft wide by 17 ft high. The pool was filled on Jan. 4, 1968. Total capacity at elevation 396.0 ft (top of gates) is 262,774 acre-ft, of which 117,780 acre-ft is controlled storage above elevation 382.0 ft (minimum pool). Prior to May 14, 1968, reservoir was formed by a concrete gravity-type dam, completed April 1914. Dam was equipped with 26 vertical lift gates 30 ft wide by 14 ft high. Total capacity at elevation 382.0 ft was 144,994 acre-ft. Reservoir is used for power development. Gage-height record and capacity table furnished by Alabama Power Co.

RESERVOIRS IN MOBILE RIVER BASIN--Continued

02409400 MITCHELL LAKE.--Lat 32°48'30", long 86°26'30", in NE¼ sec. 15, T. 21 N., R. 16 E., Chilton County, Hydrologic Unit 03150107, at Mitchell Dam on Coosa River, 5 mi downstream from Hatchet Creek, and 11 mi south-east of Clanton, Ala. DRAINAGE AREA, 9,778 mi² (revised). GAGE, staff gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.). Prior to Jan. 1, 1966, at old Coosa River datum, 38.08 ft lower.

Reservoir is formed by concrete gravity-type dam, completed August 1923, equipped with 26 radial gates 30 ft wide and 15 ft high. Total storage at elevation 311.9 ft (top of power pool) is 172,000 acre-ft, of which 33,300 acre-ft is usable storage above elevation 305.9 ft. Reservoir is used for power development. Gage-height record and capacity table furnished by Alabama Power Co.

02410400 JORDAN LAKE.--Lat 32°37'07", long 86°15'19", in N¼ sec. 22, T. 19 N., R. 18 E., Elmore County, Hydrologic Unit 03150107, at Jordan Dam on Coosa River, 4 mi upstream from Pigeonroost Creek, and 5 mi north west of Wetumpka, Ala. DRAINAGE AREA, 10,102 mi² (revised). GAGE, water-stage recorder with remote indicating gages. Prior to February 1967, staff gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.). Prior to Jan. 1, 1966, at old Coosa River datum 38.0 ft lower.

Reservoir, completed January 1929, is formed by a concrete arch-type dam equipped with 17 taintor gates 30 ft wide by 18 ft high and 18 taintor gates 34 ft wide and 8.1 ft high. Prior to Mar. 25, 1967, the dam was equipped with 17 radial gates 30 ft wide by 18 ft high and 642 ft open-crest spillway.

Bouldin Hydro Plant (completed February 1967, failed Feb. 9, 1975).--Lat 32°34'58", long 86°17'02", in SE¼ sec. 32, T. 19 N., R. 18 E., Elmore County, also utilizes the water from Jordan Reservoir through a canal approximately 1 mi north of Jordan Dam joining the Bouldin Hydro Plant forebay with Jordan Reservoir. The discharge from Bouldin Hydro Plant flows through a 4.5 mi canal to the Coosa River at approximately 7 mi downstream from Wetumpka. There are no facilities at Bouldin Hydro Plant for releasing hydraulic flows in excess of generating capabilities of Jordan and Bouldin Hydro Plants. Total storage at elevation 252.0 ft is 236,200 acre-ft, of which 58,000 acre-ft is usable storage above elevation 242.0 ft. Reservoir is used for power development. Gage-height record and storage tables furnished by Alabama Power Co.

02417500 LAKE MARTIN.--Lat 32°40'41", long 85°54'30", in sec. 36, T. 20 N., R. 21 E., Tallapoosa County, Hydrologic Unit 03150109, at forebay of Martin Dam on Tallapoosa River, 5 mi upstream from Souganatchee Creek, and 10 mi north of Tallassee, Ala. DRAINAGE AREA, 2,984 mi² (revised). PERIOD OF RECORD, October 1927 to current year. GAGE, remote indicating gage referenced to wire weight gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.), adjustment unknown.

Lake is formed by a combination arch and gravity concrete dam with a riprap earth embankment on left or east end. Spillway is equipped with 20 modified stoney-type gates, 30 ft wide and 16 ft high. Storage began in the summer of 1926, and the powerhouse was completed in the summer of 1927. Total capacity at elevation 490.00 ft (top of gates) is 1,622,000 acre-ft, of which 1,375,000 acre-ft is controlled storage above elevation 430.00 ft (minimum pool). Lake is used for power development. Gage-height record and capacity table furnished by Alabama Power Co.

EXTREMES FOR PERIOD OF RECORD: Maximum daily contents since Oct. 1, 1940, 1,648,900 acre-ft, Apr. 14, 1979, elevation, 490.69 ft; minimum daily, 555,000 acre-ft, June 29, 1941, elevation 452.12 ft.

EXTREMES FOR CURRENT YEAR: Maximum daily contents, 1,619,200 acre-ft, July 8, elevation, 489.92 ft; minimum daily, 1,211,300 acre-ft, Jan. 30, elevation, 478.52 ft.

02451950 LEWIS SMITH RESERVOIR.--Lat 33°56'26", long 87°06'28", in W¼ sec. 6, T. 13 S., R. 5 W., Walker County, Hydrologic Unit 03160110, at forebay of Lewis Smith Dam on Sipsey Fork of Mulberry Fork of Black Warrior River, 1.2 mi downstream from Ryan Creek, 2.5 mi upstream from Mill Creek, 2.5 mi upstream from State Highway 69, 14 mi northwest of Jasper, and at mile 13.5. DRAINAGE AREA, 945 mi². PERIOD OF RECORD, October 1960 to current year. GAGE, water-stage recorder with remote indicating gages. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.), adjustment unknown.

Reservoir is formed by an earth and rock-fill dam 300 ft high and 2,200 ft long with fixed crest spillway 956 ft long. Storage began Oct. 3, 1960. Capacity at elevation 522 ft (crest of spillway) is 1,670,700 acre-ft. Storage of 394,000 acre-ft is provided between elevations of 488 ft and 510 ft for power generation. Approximately 281,000 acre-ft of storage for flood control is provided between elevations of 510 ft and 522 ft. Reservoir is used for power development and flood control. Gage-height record and capacity table furnished by the Alabama Power Co.

EXTREMES FOR PERIOD OF RECORD: Maximum daily contents, 1,649,500 acre-ft, Mar. 19, 1973, elevation, 521.17 ft; minimum daily since reservoir was filled to elevation 510.00 ft operating pool (Jan. 6, 1962), 1,008,400 acre-ft, Dec. 2, 1971, elevation, 488.84 ft.

EXTREMES FOR CURRENT YEAR: Maximum daily contents, 1,459,900 acre-ft, May 4, elevation, 513.21 ft; minimum daily, 1,104,600 acre-ft, Jan. 25, elevation, 494.87 ft.

02413950 HARRIS RESERVOIR.--Lat 33°15'37", long 85°37'00", in NW¼, Sec. 28, T. 20 S., R. 10 E., Randolph County, Hydrologic Unit 03150109, formed by Harris Dam constructed across the Tallapoosa River, 0.8 mi upstream of Crooked Creek, and 7 mi west of Wedowee. DRAINAGE AREA, 1,453 mi², approximately. PERIOD OF RECORD, April 1983 to current year.

GAGE, remote water stage recorder and indicating gages, referenced to vertical staff gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Company).

Reservoir is formed by a compacted earth dam with a concrete gated spillway section. Spillway is equipped with six radial gates 40 ft wide and 40.4 ft high. Storage began Oct. 27, 1982. Surface area at elevation 793.0 ft (top of power pool) is 10,660 acres. Total storage at elevation 793.0 ft is 425,700 acre-ft of which 207,300 acre-ft is usable storage above elevation 768.0 ft. Reservoir is used for power development and flood control. Gage height and capacity table furnished by Alabama Power Company.

EXTREMES FOR PERIOD OF RECORD: Maximum daily contents, 431,400 acre-ft, Sept. 3, 1984, elevation, 793.53 ft, Aug. 2, 1984; minimum daily contents, 325,700 acre-ft, Jan. 24, 1985, elevation, 782.55 ft.

EXTREMES FOR CURRENT YEAR: Maximum daily contents, 429,400 acre-ft, July 2, elevation, 793.34 ft; minimum daily, 325,700 acre-ft, Jan. 24, elevation 782.55 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

Date	Elevation (feet)	Contents (acre-ft)	Change in contents (acre-ft)	Elevation (feet)	Contents (acre-ft)	Change in contents (acre-ft)
02393500 ALLATOONA RESERVOIR				02399499 WEISS LAKE		
Sept. 30.....	836.69	329,700	.....	563.78	299,800	.....
Oct. 31.....	829.48	257,100	-72,600	561.34	232,900	-66,900
Nov. 30.....	831.37	274,800	+17,700	559.64	192,400	-40,500
Dec. 31.....	825.40	221,700	-53,100	557.63	150,900	-41,500
CAL YR 1984	.....	.....	-110,300	.....	.....	-84,300
Jan. 31.....	823.00	202,800	-18,900	559.43	187,800	+36,900
Feb. 28.....	831.54	276,500	+73,700	560.55	213,500	+25,700
Mar. 31.....	833.83	299,300	+22,800	561.50	236,900	+23,400
Apr. 30.....	836.40	326,500	+27,200	562.99	277,000	+40,100
May 31.....	839.65	363,400	+36,900	563.51	291,900	+14,900
June 30.....	839.98	367,300	+3,900	563.87	302,500	+10,600
July 31.....	839.81	365,200	-2,100	563.92	304,000	+1,500
Aug. 31.....	839.90	366,300	+1,100	563.39	288,400	-15,600
Sept. 30.....	837.90	343,200	-23,100	561.96	248,900	-39,500
WTR YR 1985	.....	.....	+13,500	.....	.....	-50,900
02401620 H. NEELY HENRY RESERVOIR				02405200 LOGAN MARTIN RESERVOIR		
Sept. 30.....	507.76	118,200	.....	464.81	270,400	.....
Oct. 31.....	506.48	104,600	-13,600	462.64	239,300	-31,100
Nov. 30.....	504.59	86,800	-17,800	460.76	214,900	-24,400
Dec. 31.....	504.48	85,800	-1,000	459.62	201,300	-13,600
CAL YR 1984	.....	.....	-4,900	.....	.....	-26,200
Jan. 31.....	505.35	93,700	+7,900	459.87	204,200	+2,900
Feb. 28.....	503.81	80,100	-13,600	459.87	204,200	0
Mar. 31.....	505.18	92,100	+12,000	459.71	202,300	-1,900
Apr. 30.....	506.78	107,700	+15,600	462.22	233,700	+31,400
May 31.....	507.67	117,200	+9,500	464.35	263,500	+29,800
June 30.....	508.07	121,600	+4,400	464.67	268,300	+4,800
July 31.....	507.83	119,000	-2,600	465.14	275,400	+7,100
Aug. 31.....	507.97	120,500	+1,500	464.75	269,500	-5,900
Sept. 30.....	507.92	120,000	-500	464.38	264,000	-5,500
WTR YR 1985	.....	.....	-1,800	.....	.....	-6,400
COMBINED LAY, MITCHELL, AND JORDAN LAKES				02417500 LAKE MARTIN		
Sept. 30.....	.....	640,700	.....	485.68	1,458,600	.....
Oct. 31.....	.....	662,500	+21,800	485.51	1,452,400	-6,200
Nov. 30.....	.....	655,200	-7,300	481.81	1,321,200	-131,200
Dec. 31.....	.....	660,500	+5,300	478.94	1,225,000	-96,200
CAL YR 1984	.....	.....	-8,800	.....	.....	-332,300
Jan. 31.....	.....	660,900	+400	478.62	1,214,600	-10,400
Feb. 28.....	.....	658,000	-2,900	481.47	1,309,600	+95,000
Mar. 31.....	.....	664,700	+6,700	485.00	1,433,800	+124,200
Apr. 30.....	.....	659,200	-5,500	487.29	1,518,300	+84,500
May 31.....	.....	665,300	+6,100	489.81	1,614,900	+96,600
June 30.....	.....	667,100	+1,800	489.71	1,611,000	-3,900
July 31.....	.....	661,300	-5,800	489.57	1,605,500	-5,500
Aug. 31.....	.....	658,900	-2,400	487.33	1,519,800	-85,700
Sept. 30.....	.....	665,700	+6,800	486.43	1,486,200	-33,600
WTR YR 1985	.....	.....	+25,000	.....	.....	+27,600
02452950 LEWIS SMITH RESERVOIR				02413950 HARRIS RESERVOIR		
Sept. 30.....	495.87	1,121,400	.....	786.86	364,300	.....
Oct. 31.....	498.38	1,164,900	+43,500	786.02	365,500	+1,200
Nov. 30.....	503.05	1,250,400	+85,500	784.51	342,800	-22,700
Dec. 31.....	496.54	1,132,900	-117,500	784.94	346,700	+3,900
CAL YR 1984	.....	.....	-150,800	.....	.....	-12,900
Jan. 31.....	495.50	1,115,200	-17,700	784.86	346,000	-700
Feb. 28.....	504.14	1,271,300	+156,100	784.39	341,800	-4,200
Mar. 31.....	505.47	1,297,300	+26,000	784.29	340,900	-900
Apr. 30.....	508.86	1,366,000	+68,700	791.90	414,100	+73,200
May 31.....	510.78	1,406,700	+40,700	792.40	419,400	+5,300
June 30.....	507.61	1,340,200	-66,500	793.23	428,200	+8,800
July 31.....	506.04	1,308,600	-31,600	792.81	423,700	-4,500
Aug. 31.....	504.20	1,272,400	-36,200	791.53	410,300	-13,400
Sept. 30.....	500.82	1,208,800	-63,600	787.14	366,900	-43,400
WTR YR 1985			+87,400			+2,600

PASCAGOULA RIVER BASIN

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02479431 POND CREEK NEAR DEER PARK, AL

LOCATION.--Lat 31°09'39", long 88°21'43', in SW¼SW¼ sec. 2, T. 2 N., R. 4 W., Washington County, Hydrologic Unit 03170008, near right bank on downstream side of bridge on county road 9, 1.3 mi upstream from mouth, and 5 mi southwest of Deer Park.

DRAINAGE AREA.--20.40 mi².

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

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 128 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.-- Estimated daily discharges: Aug. 5-22. Records fair except those for period of estimated record, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--9 years, 40.9 ft³/s, 27.19 in/yr.

EXTREMES FOR PERIOD OF RECORD.-- Maximum discharge, 3,780 ft³/s, Apr. 7, 1983, gage height, 21.00 ft (from high water marks); minimum, 0.18 ft³/s, June 3, 4, 5, 6, 7, 8, 9, 1985.

EXTREMES FOR CURRENT YEAR.-- Peak discharges greater than base discharge of 450 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Sept. 23	1245	*1,720	*13.01				

Minimum discharge, 0.18 ft³/s, June 3, 4, 5, 6, 7, 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.29	6.4	23	37	49	124	17	18	.19	1.3	4.7	5.9	
2	.26	34	17	48	72	211	13	66	.19	2.0	3.2	30	
3	.25	61	15	55	64	97	10	90	.18	1.9	2.2	106	
4	.25	53	55	49	45	57	8.2	42	.18	1.3	3.2	154	
5	.25	25	234	35	51	42	8.7	19	.18	2.9	4.0	80	
6	.26	12	167	23	216	34	22	11	.18	199	3.5	35	
7	.26	6.6	86	18	142	27	22	7.0	.18	89	50	20	
8	.26	4.3	49	14	72	23	14	5.3	.18	56	22	14	
9	.35	3.1	32	12	46	20	8.3	5.2	9.2	23	14	15	
10	.54	5.7	27	11	35	19	5.5	3.0	25	10	10	19	
11	.45	13	23	9.8	52	17	4.3	2.1	20	5.7	8.0	12	
12	.41	13	20	8.7	60	15	4.4	1.4	31	3.4	6.0	7.3	
13	.39	8.2	20	7.8	51	15	5.5	.99	24	2.2	5.5	5.1	
14	.38	5.4	21	7.4	34	14	9.9	.78	12	1.6	4.5	4.6	
15	.70	4.0	19	7.3	28	12	36	.61	45	4.1	10	3.5	
16	1.7	3.7	16	9.6	24	10	35	.47	52	43	50	2.8	
17	1.1	4.8	14	98	21	17	22	.38	26	82	24	2.3	
18	.96	4.7	13	119	21	16	12	.30	15	86	15	1.9	
19	1.9	6.1	11	86	19	11	6.8	.27	14	52	12	1.6	
20	3.5	5.5	10	48	19	11	4.7	.25	9.4	43	10	1.4	
21	2.5	4.2	11	29	17	62	3.6	.27	5.2	48	8.0	1.3	
22	45	3.3	12	22	15	76	2.7	.32	3.0	27	7.0	2.6	
23	48	2.7	12	21	13	49	2.3	.27	3.3	126	5.1	1040	
24	41	2.4	10	24	21	25	6.0	.27	18	99	24	502	
25	14	2.3	9.4	25	80	16	50	.27	6.3	71	116	130	
26	5.7	2.3	8.8	20	162	12	54	.27	4.6	78	107	68	
27	3.5	28	8.2	22	115	9.4	46	.22	3.3	47	43	38	
28	19	78	8.4	69	71	16	27	.20	1.7	38	21	24	
29	36	71	8.6	76	---	18	16	.19	4.8	22	14	18	
30	24	46	9.4	62	---	14	9.4	.19	3.4	13	11	32	
31	12	---	9.9	43	---	15	---	.19	---	7.4	8.5	---	
TOTAL	265.16	519.7	979.7	1116.6	1615	1104.4	486.3	276.71	337.66	1285.8	626.4	2377.3	
MEAN	8.55	17.3	31.6	36.0	57.7	35.6	16.2	8.93	11.3	41.5	20.2	79.2	
MAX	48	78	234	119	216	211	54	90	52	199	116	1040	
MIN	.25	2.3	8.2	7.3	13	9.4	2.3	.19	.18	1.3	2.2	1.3	
CFSM	.42	.85	1.55	1.76	2.83	1.75	.79	.44	.55	2.03	.99	3.88	
IN.	.48	.95	1.79	2.04	2.94	2.01	.89	.50	.62	2.34	1.14	4.34	
CAL YR 1984	TOTAL	11451.22		MEAN	31.3	MAX	554	MIN	.25	CFSM	1.53	IN.	20.88
WTR YR 1985	TOTAL	10990.73		MEAN	30.1	MAX	1040	MIN	.18	CFSM	1.48	IN.	20.04

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30°48'32", long 88°27'41", in SW¼ sec. 2, T. 3 S., R. 5 W., George County, MS, Hydrologic Unit 03170008, near left bank on downstream side of bridge on county road 612, 2.5 mi west of Alabama-Mississippi State line, 3.7 mi east of Agricola, Miss., 4.8 mi downstream of old gage at Escatawpa River near Wilmer, Ala, and 6.7 mi west of Wilmer.

DRAINAGE AREA.--562 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 50 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Water-discharge records good.

AVERAGE DISCHARGE.--12 years, 1,273 ft³/s, 30.76 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 33,700 ft³/s, Apr. 9, 1983, gage height, 22.39 ft; minimum, 100 ft³/s, June 8, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of 72.0 ft ± 1.0 ft, National Geodetic Vertical datum of 1929, as determined from historical data. Peak discharge of this flood is unknown but in all probability has not been exceeded since 1929.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Sept. 25	0600	*12,800	*18.25				

Minimum discharge, 100 ft³/s, June 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	141	515	696	366	1540	2730	560	830	129	153	487	325	
2	141	438	559	655	2170	3660	528	1460	126	168	417	350	
3	141	587	488	931	2290	3980	500	1700	122	213	323	1720	
4	141	726	556	981	1790	3360	465	1260	117	168	258	2970	
5	141	645	2070	878	1720	2570	437	938	112	181	236	2590	
6	142	493	3170	763	3790	2130	487	761	109	2700	240	1860	
7	142	384	2770	684	4160	1740	567	607	106	4820	359	1170	
8	141	341	1890	616	3360	1410	527	577	108	2870	779	805	
9	143	315	1490	555	2570	1170	447	481	159	1180	693	693	
10	161	292	1440	506	2100	987	398	421	167	700	642	637	
11	219	284	1300	463	2050	849	379	366	325	493	516	609	
12	233	292	1060	405	2220	744	367	298	451	398	471	496	
13	199	282	853	454	1790	680	365	261	537	318	408	377	
14	173	271	704	329	1410	630	367	236	378	291	486	316	
15	205	258	593	313	1180	604	409	215	281	285	543	279	
16	310	240	501	307	1030	579	684	201	364	334	1150	252	
17	352	231	438	2240	928	611	766	185	587	789	2270	232	
18	342	225	407	3030	847	593	662	171	394	1490	2030	214	
19	280	228	376	2060	782	551	559	165	279	1330	1200	200	
20	237	234	359	1440	719	525	451	160	244	948	831	187	
21	234	230	347	1130	655	1610	365	158	223	1070	574	176	
22	256	219	339	963	609	1880	314	191	203	670	436	179	
23	500	213	343	894	574	1470	283	246	181	1130	355	3170	
24	681	209	329	865	583	1170	277	222	177	1350	306	9720	
25	625	205	314	910	1100	990	642	187	249	1020	438	11900	
26	489	205	303	816	2210	874	1240	166	368	1420	1210	8540	
27	434	228	294	680	2710	800	983	153	293	1300	1150	5140	
28	738	538	289	1230	2640	883	803	146	238	1110	750	2580	
29	1250	881	285	1660	---	849	740	141	203	867	505	1630	
30	958	857	286	1600	---	711	754	136	178	585	399	1180	
31	706	---	291	1720	---	600	---	133	---	427	371	---	
TOTAL	10855	11066	25140	30344	49527	41940	16326	13172	7408	30778	20833	60497	
MEAN	350	369	811	979	1769	1353	544	425	247	993	672	2017	
MAX	1250	881	3170	3030	4160	3980	1240	1700	587	4820	2270	11900	
MIN	141	205	285	307	574	525	277	133	106	153	236	176	
CFSM	.62	.66	1.44	1.74	3.15	2.41	.97	.76	.44	1.77	1.20	3.59	
IN.	.72	.73	1.66	2.01	3.28	2.78	1.08	.87	.49	2.04	1.38	4.00	
CAL YR 1984	TOTAL	374214		MEAN	1022	MAX	7370	MIN	141	CFSM	1.82	IN.	24.77
WTR YR 1985	TOTAL	317886		MEAN	871	MAX	11900	MIN	106	CFSM	1.55	IN.	21.04

PASCAGOULA RIVER BASIN

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02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1979 to current year.

WATER TEMPERATURES: October 1979 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1979.

REMARKS.--No specific conductance for Apr. 1, 4, 5, May 1-7, 30, June 6-9, Sept. 20-30, and no water temperature data for Sept. 24-30 because of recorder malfunctions.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 134 microsiemens, June 15, 1985; minimum, 9 microsiemens, Apr. 16, Aug. 13, 14, 1984.

WATER TEMPERATURES: Maximum, 32.0°C, July 14-15, 1980, July 15-17, 23, 24, 1981; minimum, 2.5°C Jan. 22-23, 1985.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 134 microsiemens, June 15; minimum, 16 microsiemens, Dec. 5-7.

WATER TEMPERATURES: Maximum, 31.0°C, June 4-5; minimum, 2.5°C, Jan. 22-23.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION	COLI- FORM, FECAL, (PER- CENT UM-MP (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO ₃)
OCT											
04...	1445	136	26	--	19.0	--	--	--	--	--	--
16...	1440	321	32	5.7	24.0	3.4	8.2	98	300	200	6
NOV											
20...	0820	236	23	--	15.0	--	--	--	--	--	--
JAN											
14...	1335	370	34	--	8.0	--	--	--	--	--	--
FEB											
12...	1430	2210	30	4.0	8.5	6.5	10.6	91	150	100	5
MAR											
26...	1340	880	30	--	--	--	--	--	--	--	--
APR											
16...	1445	772	26	5.1	22.0	4.9	8.5	98	100	48	5
JUN											
25...	1355	264	42	--	26.0	--	--	--	--	--	--
AUG											
14...	0900	495	31	5.5	26.0	4.0	7.3	91	K1200	230	5

DATE	HARD- NESS, NONCAR- BONATE (MG/L CACO ₃)	ACIDITY (MG/L AS H)	ACIDITY (MG/L AS CACO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
OCT									
16...	4	--	--	1.1	0.77	2.6	46	0.5	0.60
FEB									
12...	5	0.2	9.9	.96	.55	1.9	44	.4	.40
APR									
16...	3	--	--	.84	.60	2.4	51	.5	.40
AUG									
14...	3	--	--	1.1	.64	2.4	46	.5	.60

DATE	ALKA- LINITY FIELD (MG/L AS CACO ₃)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT									
16...	2	7.7	2.2	5.1	<.10	7.5	17	21	0.02
FEB									
12...	0	.0	4.0	3.5	<.10	5.9	--	18	.02
APR									
16...	2	31	2.3	4.8	<.10	6.6	--	20	.03
AUG									
14...	2	12	2.1	4.6	<.10	8.0	--	21	.03

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 16...	15	0.10	0.040	0.05	0.50	<.010	<.010	<.010
FEB 12...	107	<.10	.010	.01	.60	.020	<.010	.020
APR 16...	41	<.10	.210	.27	1.5	<.010	<.010	<.010
AUG 14...	28	.14	.020	.03	.90	<.010	<.010	<.010

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 16...	40	<1	32	0.0	<1	<1	<3	1	52
FEB 12...	360	<1	33	1.0	2	<1	<3	4	220
APR 16...	90	<1	28	1.1	<1	<1	<3	1	160
AUG 14...	100	<1	35	<.5	2	2	<3	8	200

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 16...	4	7	24	<.1	<10	6	<1	<1	19	<6	9
FEB 12...	5	<4	58	<.1	<10	1	<1	<1	13	<6	22
APR 16...	1	<4	27	.1	<10	1	<1	<1	14	<6	8
AUG 14...	<1	<4	43	.1	<10	4	<1	<1	18	<6	32

DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, CHARGE, SUS- PENDEDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 16...	18	16	85
FEB 12...	34	203	76
APR 16...	21	44	84
AUG 14...	14	19	85

PASCAGOULA RIVER BASIN

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02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS--Continued

SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	58	35	46	54	28	44	68	33	54	53	23	36
2	54	37	46	51	28	40	61	32	48	51	28	40
3	59	38	49	47	27	38	62	22	41	58	31	43
4	60	29	45	56	24	37	66	19	42	66	31	50
5	68	41	52	49	28	38	68	16	38	73	30	47
6	59	33	45	48	21	35	17	16	17	70	37	55
7	57	32	44	58	21	37	18	16	17	73	31	53
8	61	30	47	59	22	41	19	17	18	76	39	58
9	58	32	41	52	24	38	21	18	20	68	36	50
10	49	33	41	49	20	35	34	21	22	70	36	51
11	53	27	41	49	22	37	65	19	45	63	29	45
12	65	25	41	54	21	36	61	23	39	64	29	46
13	67	26	46	61	20	38	58	23	40	66	37	51
14	59	25	37	51	22	37	58	23	38	56	33	44
15	53	26	37	51	20	35	54	22	37	33	30	31
16	48	19	32	54	19	35	56	23	37	37	33	35
17	43	23	33	55	21	37	53	22	37	35	30	32
18	47	20	35	54	23	38	55	22	39	36	32	34
19	49	22	34	51	22	38	57	23	40	34	33	34
20	48	20	34	55	20	37	52	29	42	35	33	34
21	51	21	33	54	23	39	42	27	35	36	34	35
22	42	18	35	62	25	39	51	23	36	37	35	36
23	43	23	34	66	24	45	54	23	39	37	35	36
24	51	17	33	60	32	45	51	21	37	37	36	36
25	58	18	40	64	27	44	54	27	42	37	36	36
26	52	21	40	54	24	40	55	21	38	38	36	37
27	56	18	40	51	21	34	53	22	37	37	35	36
28	69	20	45	56	18	40	56	20	39	35	32	33
29	66	21	46	63	29	47	48	23	37	34	30	33
30	61	23	43	81	20	50	53	29	40	34	31	33
31	64	20	48	---	---	---	54	30	40	33	31	32
MONTH	69	17	41	81	18	39	68	16	36	76	23	40
FEBRUARY			MARCH			APRIL			MAY			
1	69	32	34	76	31	53	---	---	---	---	---	---
2	78	31	54	67	32	46	36	21	28	---	---	---
3	86	32	39	75	35	47	33	21	27	---	---	---
4	34	33	34	72	30	52	---	---	---	---	---	---
5	33	32	33	72	33	51	---	---	---	---	---	---
6	35	28	29	66	41	52	32	21	26	---	---	---
7	30	29	30	70	37	52	36	21	26	---	---	---
8	30	29	30	67	33	52	31	20	24	43	24	32
9	31	29	30	57	29	43	51	21	27	54	26	35
10	31	30	31	55	27	44	33	20	26	56	23	36
11	54	31	43	66	27	46	32	20	25	44	21	32
12	32	28	30	68	27	44	31	21	23	66	26	43
13	71	28	53	64	29	47	33	20	25	58	22	39
14	73	34	54	69	23	45	34	21	27	64	24	42
15	77	31	54	63	24	48	54	20	30	50	25	39
16	80	40	63	63	24	45	34	25	20	62	30	44
17	78	29	54	72	35	49	51	25	36	59	27	40
18	77	29	56	69	41	51	37	26	27	57	22	41
19	73	40	57	68	43	49	40	25	34	47	27	36
20	76	35	52	71	38	56	49	23	32	54	21	37
21	73	31	51	76	35	53	39	23	30	63	28	39
22	69	41	52	71	34	55	38	22	29	54	21	37
23	66	33	51	78	31	54	39	21	30	42	21	32
24	65	34	47	69	41	52	36	21	30	51	20	34
25	64	40	47	80	39	56	41	18	26	52	21	31
26	72	30	54	77	41	57	55	19	32	45	25	36
27	73	38	50	64	41	52	55	19	33	55	20	36
28	78	32	52	73	30	53	57	17	37	40	20	28
29	---	---	---	65	34	52	47	18	34	52	20	30
30	---	---	---	74	39	55	57	18	40	---	---	---
31	---	---	---	36	20	28	---	---	---	35	20	26
MONTH	86	28	45	80	20	50	57	17	29	121	20	36

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS--Continued

SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	31	20	26	112	105	108	49	28	37	44	30	37
2	39	22	27	106	102	104	39	29	31	64	34	39
3	40	22	28	107	99	104	35	29	30	81	31	54
4	49	22	31	97	83	89	31	29	30	59	25	39
5	48	25	33	88	85	86	35	30	31	60	28	41
6	---	---	---	88	33	50	31	30	31	61	29	42
7	---	---	---	45	33	40	39	29	31	84	29	52
8	---	---	---	54	28	44	40	25	28	81	30	53
9	---	---	---	34	27	30	35	20	27	81	28	52
10	61	31	47	39	35	37	30	20	27	64	28	43
11	96	62	79	45	39	42	65	20	45	51	29	39
12	115	97	108	48	43	46	34	21	28	55	25	39
13	125	115	120	50	48	49	35	21	30	50	25	38
14	130	119	126	50	48	49	34	20	29	59	29	46
15	134	130	132	49	48	49	34	24	26	54	30	44
16	132	99	118	49	47	48	30	25	28	54	30	42
17	123	108	117	48	46	47	30	25	28	51	30	42
18	111	92	102	51	48	50	34	30	31	54	24	40
19	100	84	93	48	46	47	45	30	37	35	20	28
20	91	34	69	46	44	45	41	30	35	---	---	---
21	81	62	72	45	43	44	41	30	34	---	---	---
22	71	40	55	42	39	41	41	30	34	---	---	---
23	54	44	49	41	39	40	35	29	31	---	---	---
24	50	39	45	40	39	39	35	30	32	---	---	---
25	48	37	43	39	34	37	55	29	33	---	---	---
26	63	43	50	35	25	31	61	28	44	---	---	---
27	71	51	61	31	29	30	61	29	44	---	---	---
28	84	59	71	50	30	33	41	30	34	---	---	---
29	108	84	96	41	29	31	35	30	32	---	---	---
30	114	109	111	41	30	31	40	30	33	---	---	---
31	---	---	---	50	30	33	40	30	34	---	---	---
MONTH	134	20	72	112	25	50	65	20	32	84	20	42
YEAR	134	16	43									

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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

TENNESSEE RIVER BASIN

03571850 TENNESSEE RIVER AT SOUTH PITTSBURG, TN
(National stream-quality accounting network station)

LOCATION.--Lat 35°00'41", long 85°41'51", Marion County, Hydrologic Unit 06030001, on right bank, 0.5 mi downstream from Tennessee State Highway 156 (revised), 0.5 mi downstream from Battle Creek, 0.5 mi east of South Pittsburg, 4.6 mi downstream from Sequatchie River, 6.5 mi downstream from Nickajack Dam, and at mile 418.2.

DRAINAGE AREA.--22,640 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1930 to current year. Published as "at Hales Bar, near Chattanooga, Tenn." July 1930 to July 1966.

REVISED RECORDS.--WSP 853: Drainage area. WSP 973: 1942. WSP 1306 (monthly runoff). WSP 1386: 1932-34.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 581.01 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 13, 1932, at site 12.9 mi upstream at datum 7.85 ft higher. Feb. 13, 1932, to July 17, 1966, at site 11.5 mi upstream at datum 7.50 ft higher. Since Jan. 27, 1939, auxiliary water-stage recorder at site 10.6 mi downstream.

REMARKS.--Estimated daily discharges: Jan. 2-29, June 19 to July 8, July 20-30. Records good except for period of estimated record, which are fair. Flow regulated since 1936 by increasing number of reservoirs above station (see p. 207 and Water Resources Data for adjoining states).

AVERAGE DISCHARGE.--55 years, 37,950 ft³/s, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 315,000 ft³/s, Mar. 18, 1973, gage height, 34.33 ft; minimum daily, 2,900 ft³/s, Nov. 1, 15, 1953; minimum gage height, 1.21 ft, Oct. 27, 1931, site and datum used 1932-65.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 44.6 ft, March 1867, site and datum used 1932-65. Flood of Mar. 8, 1917, reached a stage of 37.4 ft, site and datum used 1932-65, discharge, 320,000 ft³/s, from rating curve extended above 225,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 107,000 ft³/s, Feb. 2; maximum gage height, 21.08 ft, Feb. 2; minimum daily discharge, 8,930 ft³/s, Sept. 29; minimum gage height 11.93 ft, Mar. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26300	29800	40000	25800	58100	41400	25400	16800	22800	18000	27200	18800
2	25700	28500	23600	35000	101000	36600	18900	15900	12600	22000	33300	26200
3	27600	19700	39300	50000	99700	26100	18300	14000	31200	25000	24200	34000
4	28500	19100	44100	45000	85000	33400	20300	13900	31100	20000	23200	31800
5	26000	29300	44800	40000	73700	31600	19300	14000	33500	22000	22300	32700
6	21200	36700	43200	50000	65000	38700	17300	18700	39100	15000	22700	28800
7	17900	39500	51000	45000	59000	35700	16400	14900	27700	14000	20000	22200
8	27500	38100	32900	45000	57100	34900	21800	13800	16000	25000	20700	28700
9	26600	33500	20000	45000	51400	21100	23400	16200	13800	28600	22500	39700
10	29000	21900	31100	55000	49400	16600	15200	17800	24200	30100	18800	40100
11	37300	20300	46400	40000	45800	24000	13800	14700	23300	30400	24600	28200
12	34700	40000	46600	30000	53400	19400	15500	15400	21300	33300	39800	29900
13	26000	40700	43300	25000	57100	32600	12700	30000	22100	23700	36400	31600
14	19300	37000	42100	40000	56800	32200	15200	31200	13600	20600	34200	14600
15	26900	28700	36500	35000	56300	27400	18800	28900	17000	28800	31600	13000
16	27600	30600	20100	35000	45000	17800	19000	21300	14900	28900	23900	29500
17	25000	26100	32400	30000	43800	15600	21000	17500	24400	29000	30500	26800
18	24800	16000	28000	25000	40500	29700	19500	15000	21900	25900	35600	28900
19	26300	29000	23700	20000	43900	23600	15300	14300	16000	29300	34900	32600
20	18400	40300	28900	25000	41200	25300	14400	16900	18000	24000	38100	34200
21	17500	42700	30200	55000	51400	23800	14400	20900	19000	20000	34200	16400
22	29200	28000	29600	45000	51600	23300	19300	17200	17000	24000	25100	13100
23	35200	27200	25000	30000	37800	18800	20700	22600	22000	30000	29400	24200
24	44500	30100	19400	30000	25700	17800	16300	20800	26000	26000	23700	22100
25	42400	29300	21300	25000	37100	22400	15700	14500	27000	35000	20200	25900
26	40100	40000	37000	15000	37200	24600	16200	13000	30000	40000	37000	27400
27	28800	36500	40800	20000	38900	25200	14700	14100	32000	30000	43500	20400
28	18200	43600	42900	25000	34100	31800	13400	23000	25000	25000	45100	17900
29	33400	51300	34500	35000	---	37300	16500	23600	12000	28000	43600	8930
30	24900	45600	26000	25300	---	22800	19600	22000	15000	35000	47200	25800
31	20700	---	27100	22700	---	15300	---	30200	---	37500	34600	---
TOTAL	857500	979100	1051800	1068800	1497000	826800	528300	583100	669500	824100	948100	774430
MEAN	27660	32640	33930	34480	53460	26670	17610	18810	22320	26580	30580	25810
MAX	44500	51300	51000	55000	101000	41400	25400	31200	39100	40000	47200	40100
MIN	17500	16000	19400	15000	25700	15300	12700	13000	12000	14000	18800	8930
CAL YR 1984	TOTAL	16367900		MEAN	44720	MAX	258000	MIN	16000			
WTR YR 1985	TOTAL	10608530		MEAN	29060	MAX	101000	MIN	8930			

TENNESSEE RIVER BASIN

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03571850 TENNESSEE RIVER AT SOUTH PITTSBURG, TN--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1975 to September 1981.

WATER TEMPERATURES: July 1975 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 211 microsiemens, Sept. 27-28, 1981; minimum, 94 microsiemens, Dec. 31, 1975.

WATER TEMPERATURES: Maximum, 31.0°C, Aug. 26-28, 30, 1975, June 15, 1978; minimum recorded, 2.0°C, Jan. 22, 1977, Feb. 7, 1978.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	BARO- METRIC PRES- SURE (MM OF HG)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION (PER- CENT)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOC- CI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)
OCT 25...	0915	48500	175	6.8	21.0	755	3.7	6.6	75	88	70	72
JAN 25...	0900	35000	170	7.9	4.5	744	3.5	11.8	93	K6	K3	69
APR 19...	0915	18000	160	7.8	17.0	753	2.1	9.8	103	K3	K2	67
JUL 17...	1330	29400	190	7.7	28.5	745	1.0	6.2	82	K1	K4	73

DATE	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 25...	15	21	4.7	7.9	19	0.4	1.4	57	17	15	8.7	<.10
JAN 25...	2	20	4.6	7.9	20	.4	1.3	67	1.6	16	9.1	<.10
APR 19...	6	20	4.1	7.0	18	.4	1.5	61	1.9	15	8.5	<.10
JUL 17...	9	21	5.0	11	24	.6	1.5	64	2.5	19	12	<.10

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 25...	4.9	96	98	0.13	12600	0.27	0.050	0.06	0.70	0.030	0.020	0.030
JAN 25...	4.8	94	100	.13	8880	.43	.040	.05	.10	.030	.020	<.010
APR 19...	4.2	94	97	.13	4570	.36	.050	.06	1.8	<.010	<.010	<.010
JUL 17...	2.8	110	110	.15	8730	.16	.050	.06	.70	<.010	<.010	<.010

TENNESSEE RIVER BASIN

03571850 TENNESSEE RIVER AT SOUTH PITTSBURG, TN--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
OCT 25...	0.09	20	<1	28	<.5	<1	1	<3	2	20	<1	<4
JAN 25...	--	30	<1	26	<.5	<1	<1	<3	2	28	1	5
APR 19...	--	10	<1	24	<.5	<1	2	<3	2	9	3	<4
JUL 17...	--	<10	<1	28	<.5	1	<1	<3	6	<3	3	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 25...	5	<.1	<10	<1	<1	<1	66	<6	8	9	1180	86
JAN 25...	19	<.1	<10	2	<1	1	65	<6	4	2	189	81
APR 19...	2	<.1	<10	2	<1	<1	59	<6	10	4	194	89
JUL 17...	5	<.1	<10	4	<1	<1	67	<6	8	5	397	86

	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, DUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
JAN 25...	<2.2	<.4	1.6	<.4	1.4	<.4	0.03	0.05

TENNESSEE RIVER BASIN

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03572110 CROW CREEK AT BASS, AL

LOCATION.--Lat 34°56'03", long 85°55'03", in SE¼NE¼NW¼ sec. 20, T. 1 S., R. 7 E., Jackson County, Hydrologic Unit 06030001, on downstream side of bridge on State Highway 117, 0.3 mi northwest of Bass, 1 mi upstream from Bennett Cove Creek, 3.7 mi south of Alabama-Tennessee State line, and 15.8 mi upstream from mouth.

DRAINAGE AREA.--131 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 610 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Jan 23-29. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--10 years, 291 ft³/s, 30.17 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,850 ft³/s, Mar. 21, 1980, gage height, 17.17 ft; minimum, 2.4 ft³/s, Sept. 12, 1983.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 23	2230	3,340	11.18	Feb. 1	1230	4,300	13.12
Nov. 28	0745	4,420	13.30	Aug. 17	1115	*5,090	*14.24

Minimum discharge, 3.0 ft³/s, Oct. 7, 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	32	427	184	3450	231	587	80	38	10	36	47
2	4.2	33	381	279	1910	213	395	166	35	10	27	39
3	3.9	36	493	256	762	187	320	142	32	9.5	21	35
4	3.8	45	338	618	531	174	270	105	30	9.5	16	31
5	3.6	126	277	448	776	201	347	88	28	13	13	29
6	3.3	84	357	334	864	190	1030	76	26	12	11	28
7	3.3	61	289	278	601	169	512	77	24	10	163	26
8	6.4	49	246	232	448	162	383	254	24	9.8	454	25
9	12	42	212	195	359	185	306	257	24	8.8	134	23
10	9.1	396	185	175	301	232	255	224	23	7.6	82	21
11	6.1	866	160	171	986	203	223	574	27	9.0	72	19
12	5.7	254	142	156	1330	195	194	370	28	7.6	40	17
13	5.3	151	129	144	677	180	173	1870	26	6.5	30	16
14	5.2	105	112	139	509	166	166	550	24	6.6	24	15
15	5.4	87	98	129	423	153	918	345	21	8.8	20	14
16	7.2	154	90	116	341	140	640	241	19	8.7	22	12
17	21	136	85	163	289	134	420	190	17	7.2	3870	11
18	28	108	79	176	262	124	326	160	30	5.8	1150	10
19	19	385	75	155	500	112	267	130	51	5.1	330	9.4
20	15	266	401	134	507	105	232	106	36	4.6	184	8.7
21	24	177	432	120	395	109	201	91	27	4.2	121	8.3
22	223	134	432	111	326	1190	174	81	23	4.5	90	7.6
23	955	109	340	110	283	677	154	73	20	7.8	66	7.7
24	1090	95	278	108	260	785	148	67	17	29	72	7.9
25	183	81	405	104	254	541	141	63	16	51	129	7.3
26	96	70	351	99	344	397	121	55	15	42	119	10
27	65	118	283	91	283	329	107	50	14	66	86	31
28	51	3270	241	97	247	282	100	48	13	44	68	25
29	46	987	210	106	---	244	93	47	11	46	117	16
30	42	504	183	99	---	213	83	44	10	222	79	13
31	36	---	162	407	---	567	---	40	---	63	58	---
TOTAL	2983.2	8961	7893	5934	18218	8790	9286	6664	729	749.6	7704	569.9
MEAN	96.2	299	255	191	651	284	310	215	24.3	24.2	249	19.0
MAX	1090	3270	493	618	3450	1190	1030	1870	51	222	3870	47
MIN	3.3	32	75	91	247	105	83	40	10	4.2	11	7.3
CFSM	.73	2.28	1.95	1.46	4.97	2.17	2.37	1.64	.19	.18	1.90	.15
IN.	.85	2.54	2.24	1.69	5.17	2.50	2.64	1.89	.21	.21	2.19	.16

CAL YR 1984	TOTAL	98963.9	MEAN	270	MAX	5000	MIN	2.7	CFSM	2.06	IN.	28.10
WTR YR 1985	TOTAL	78481.7	MEAN	215	MAX	3870	MIN	3.3	CFSM	1.64	IN.	22.29

TENNESSEE RIVER BASIN

03574500 PAINT ROCK RIVER NEAR WOODVILLE, AL

LOCATION.--Lat 34°37'27", long 86°18'23", in NW¼ sec. 10, T. 5 S., R. 3 E., Jackson County, Hydrologic Unit 06030002, on downstream side of bridge on U.S. Highway 72, 1,000 ft downstream from Southern Railway bridge, 2 mi west of Woodville, 4.1 mi upstream from Little Paint Creek, and at mile 26.6.

DRAINAGE AREA.--320 mi².

PERIOD OF RECORD.--December 1935 to current year.

GAGE.--Water-stage recorder. Datum of gage is 570.95 ft above National Geodetic Vertical Datum of 1929. Dec. 23, 1935, to Jan. 16, 1938, nonrecording gage at same site.

REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--49 years (water years 1937-85), 686 ft³/s, 29.11 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,200 ft³/s, Mar. 16, 1973, gage height, 24.40 ft; minimum, 1.3 ft³/s, Oct. 21, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 29	1700	6,520	16.73	Feb. 2	2100	*7,100	*17.01

Minimum discharge, 8.0 ft³/s, Oct. 7, 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	8.6	121	1880	374	2670	647	1980	203	93	42	402	242	
2	8.4	111	1350	488	5770	586	1160	841	85	40	268	194	
3	8.4	114	1860	490	5210	503	798	730	78	40	194	160	
4	8.4	177	1340	696	2360	448	654	430	71	38	149	137	
5	8.4	254	903	891	1790	520	606	330	66	39	116	119	
6	8.3	343	864	654	2600	630	1390	270	62	42	95	106	
7	8.1	239	879	544	2210	505	1250	240	58	45	90	98	
8	8.5	175	693	467	1330	453	790	560	59	43	1210	90	
9	11	142	590	399	969	426	633	1170	57	41	653	83	
10	9.7	153	490	359	803	405	533	1280	54	40	313	76	
11	8.4	1690	422	342	1010	407	463	1090	52	40	277	79	
12	8.5	1380	369	315	2360	387	413	900	54	41	274	74	
13	8.7	440	334	291	1990	355	374	1010	54	50	179	69	
14	8.7	295	296	280	1230	328	349	1080	54	44	134	62	
15	9.2	238	260	268	1000	302	516	602	51	42	106	57	
16	9.2	348	230	248	856	277	866	446	48	42	90	54	
17	12	484	215	781	726	262	604	366	46	76	1580	51	
18	11	346	204	774	636	244	484	316	49	66	3090	49	
19	9.4	509	193	612	721	225	423	270	49	49	3630	47	
20	13	933	527	486	1360	212	384	230	61	42	1070	45	
21	43	500	1800	389	1040	207	349	201	70	39	458	44	
22	239	357	1340	342	841	546	312	182	59	38	341	43	
23	1340	283	1210	319	717	1230	280	167	55	140	261	42	
24	2800	237	879	305	653	788	274	154	55	186	234	42	
25	1670	206	850	296	667	792	292	146	56	262	2180	40	
26	382	181	1060	272	966	566	263	134	50	215	2940	42	
27	227	220	789	244	924	467	229	118	47	660	991	45	
28	169	2910	629	264	742	434	235	114	50	1610	574	72	
29	230	5460	529	347	---	408	212	110	46	1200	526	78	
30	204	3590	454	345	---	369	190	110	43	1480	386	64	
31	152	---	402	414	---	615	---	103	---	902	303	---	
TOTAL	7641.9	22436	23841	13296	44151	14544	17306	13903	1732	7634	23114	2404	
MEAN	247	748	769	429	1577	469	577	448	57.7	246	746	80.1	
MAX	2800	5460	1880	891	5770	1230	1980	1280	93	1610	3630	242	
MIN	8.1	111	193	244	636	207	190	103	43	38	90	40	
CFSM	.77	2.34	2.40	1.34	4.93	1.47	1.80	1.40	.18	.77	2.33	.25	
IN.	.89	2.61	2.77	1.55	5.13	1.69	2.01	1.62	.20	.89	2.69	.28	
CAL YR 1984	TOTAL	241459.4		MEAN	660	MAX	10300	MIN	8.1	CFSM	2.06	IN.	28.07
WTR YR 1985	TOTAL	192002.9		MEAN	526	MAX	5770	MIN	8.1	CFSM	1.64	IN.	22.32

TENNESSEE RIVER BASIN

201

03575000 PLINT RIVER NEAR CHASE, AL

LOCATION.--Lat 34°49'22", long 86°28'59", in NW¼NW¼ sec. 36, T. 2 S., R. 1 E., Madison County, Hydrologic Unit 06030002, on left bank downstream side of bridge on Winchester Road, 400 ft downstream from Brier Fork, 1,100 ft upstream from L & N Railroad bridge, 4.3 mi northeast of Chase, and at mile 36.2.

DRAINAGE AREA.--342 mi².

PERIOD OF RECORD.--October 1929 to September 1981, October 1982 to current year. Prior to May 1930 monthly discharge only, published in WSP 1306.

REVISED RECORDS.--WSP 823: Drainage area WSP 853: 1936 (M). WSP 1306: 1934 (M). WSP 1910: Peak discharge (base).

GAGE.--Water-stage recorder. Datum of gage is 640.37 ft above National Geodetic Vertical Datum of 1929. May 1934 to January 1975, water-stage recorder 0.2 mi downstream at same datum. Prior to May 1934, nonrecording gage 1,000 ft downstream at L & N Railroad bridge at same datum.

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

AVERAGE DISCHARGE.--55 years (water years 1930-81, 1983-85), 554 ft³/s, 22.01 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 104,000 ft³/s, Mar. 16, 1973, gage height, 29.52 ft; minimum, 44 ft³/s, Sept. 20, 27, 30, 1931; minimum gage height, 0.82 ft, Sept. 3, 27, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in September 1929 reached a stage of 25.0 ft from floodmarks, discharge, 58,500 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	1515	*8,470	*11.34				

Minimum discharge, 74 ft³/s, part of each day Oct. 16, Sept. 17-23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	89	219	1020	916	4310	498	514	180	124	577	113	170	
2	88	306	888	1850	2310	475	352	409	119	374	107	154	
3	83	388	1290	878	1090	445	302	358	112	214	102	142	
4	85	292	836	1030	821	424	280	249	109	249	98	133	
5	83	286	678	797	1950	536	330	209	105	629	92	125	
6	81	256	800	629	2970	497	1050	189	103	347	90	123	
7	77	214	672	573	1670	421	504	177	103	238	303	117	
8	88	194	562	521	1090	391	371	307	101	183	514	115	
9	97	181	524	469	871	376	327	369	101	158	215	111	
10	107	1020	495	445	929	371	298	374	104	149	144	109	
11	93	1780	456	452	1850	354	280	349	125	154	122	108	
12	91	686	429	405	3560	343	266	297	165	171	109	103	
13	83	448	405	370	1480	326	256	243	143	142	102	100	
14	80	358	380	359	1150	312	256	215	118	129	94	95	
15	80	329	355	347	1010	299	409	195	109	127	93	92	
16	79	716	340	330	819	290	417	179	108	121	105	93	
17	99	501	326	468	734	283	323	170	113	116	2650	87	
18	147	388	323	501	676	270	276	159	476	108	1330	82	
19	107	1250	320	417	1080	260	248	156	347	103	435	79	
20	99	780	1000	360	1160	256	230	151	193	100	265	78	
21	110	484	1320	301	833	253	217	147	154	99	282	78	
22	551	381	998	304	688	377	203	146	143	100	219	77	
23	1370	329	778	296	612	478	194	141	158	95	173	79	
24	1050	300	631	309	604	380	233	138	145	100	463	83	
25	409	276	912	323	630	350	290	139	133	100	1260	81	
26	268	256	778	294	756	303	226	129	123	201	568	193	
27	211	357	612	272	652	284	193	123	116	174	332	255	
28	298	6980	544	326	544	285	183	135	113	201	535	133	
29	681	2560	503	375	---	281	175	142	110	207	296	107	
30	365	1060	470	364	---	266	166	131	236	195	215	104	
31	265	---	444	808	---	430	---	123	---	133	184	---	
TOTAL	7414	23575	20089	16089	36849	11114	9369	6429	4409	5994	11610	3406	
MEAN	239	786	648	519	1316	359	312	207	147	193	375	114	
MAX	1370	6980	1320	1850	4310	536	1050	409	476	629	2650	255	
MIN	77	181	320	272	544	253	166	123	101	95	90	77	
CFSM	.70	2.30	1.89	1.52	3.85	1.05	.91	.61	.43	.56	1.10	.33	
IN.	.81	2.56	2.19	1.75	4.01	1.21	1.02	.70	.48	.65	1.26	.37	
CAL YR 1984	TOTAL	227510		MEAN	622	MAX	11700	MIN	77	CFSM	1.82	IN.	24.75
WTR YR 1985	TOTAL	156347		MEAN	428	MAX	6980	MIN	77	CFSM	1.25	IN.	17.01

TENNESSEE RIVER BASIN

TENNESSEE RIVER MAIN STEM

03575500 TENNESSEE RIVER AT WHITESBURG, AL

LOCATION.--Lat 34°34'18", long 86°33'29", SW¹/₄ sec. 29, T. 5 S., R. 1 E., Madison County, Hydrologic Unit 06030003, at Whitesburg, on right bank, 2,500 ft upstream from Aldridge Creek, 3,000 ft upstream from Clement C. Clay Bridge on U.S. Highway 231, 11.0 mi south of Huntsville, 15.1 mi downstream from Guntersville Dam, and at mile 333.9.

DRAINAGE AREA.--25,610 mi².

PERIOD OF RECORD.--October 1924 to current year. Monthly discharge only for some periods, published in WSP 1306. Prior to October 1936, published as "at Decatur." Gage-height records collected in this vicinity since 1875 (fragmentary prior to April 1909) are contained in files of U.S. Army Corps of Engineers and in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 549.00 ft above National Geodetic Vertical Datum of 1929. Oct 1, 1924, to Dec. 2, 1926, nonrecording gage, and Dec. 3, 1926, to Sept. 30, 1936, water-stage recorder, at site 28.3 mi downstream at datum 14.70 ft lower. Oct. 1, 1936, to Sept. 30, 1960, water-stage recorder 830 ft downstream at same datum. Since Mar. 4, 1937, auxiliary gage is 28.3 mi downstream.

REMARKS.--No estimated daily discharges. Records good except those below 20,000 ft³/s, which are poor. Discharge below 20,000 ft³/s computed on basis of records for Guntersville Dam, adjusted for storage and inflow. Since 1936, flow regulated by increasing number of reservoirs above station.

AVERAGE DISCHARGE.--61 years, 43,361 ft³/s, 22.99 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 323,000 ft³/s, Mar. 19, 1973, gage height, 26.06 ft; minimum daily, 400 ft³/s, July 24, 1966.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 31.4 ft, in March 1867, present site and datum, from high-water profile by U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 113,000 ft³/s, gage height, 11.30 ft, Feb. 2; minimum daily, 2,380 ft³/s, June 30; minimum gage height, 1.66 ft, Jan. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21900	19500	55000	21400	53300	42800	22000	10200	17600	24200	41300	18300
2	22400	23900	53000	36400	107000	43400	19300	9200	7480	20400	33900	25100
3	23900	17800	53700	46700	99900	30600	18300	23900	29800	29100	14500	26500
4	23900	16000	51700	42200	97700	25900	17300	13600	28400	7430	12600	29200
5	21200	24400	50500	43200	101000	30000	16300	10100	26400	15500	25200	39100
6	18200	28500	51900	45700	95100	33100	12000	10600	34000	6230	24800	26000
7	15800	26700	50600	46100	77100	34900	10300	10200	13300	6120	25400	5380
8	18800	29500	35800	40200	72900	38200	17000	16500	6970	23600	28000	12800
9	20400	34400	26200	42400	65600	24000	17800	15900	9130	27800	34600	30300
10	25900	19900	36100	41500	57100	13700	18600	20200	24600	29900	15500	33500
11	29300	23500	39600	39000	48700	24500	16400	17200	30300	30700	12600	34100
12	27100	37300	41600	37300	59500	19900	14200	16400	29900	15400	21400	32200
13	21900	37500	40200	26400	70300	29000	11200	23700	5790	5340	41100	27300
14	17800	31800	38600	30100	68100	32600	8360	33800	3560	6640	34300	3890
15	21300	30800	31600	33900	58400	32100	12500	31900	4550	24700	29400	3800
16	20600	32300	21200	26200	49100	17300	15300	23200	4220	29200	22300	24200
17	22100	26500	25900	28700	45200	14500	17200	23600	22700	21100	31600	26000
18	22700	19800	27100	27900	41800	20800	18200	9080	24700	10100	27700	30800
19	23900	24400	27700	18500	44300	17700	22400	7400	5640	21600	40700	29600
20	17100	33600	23400	25600	46100	20900	8710	8600	4780	12700	49200	28800
21	15900	31700	29900	42700	47600	19500	8400	16100	8920	12700	48500	10200
22	24000	30400	30900	44800	47800	21200	19200	13000	12900	28500	39100	2780
23	44300	26600	21700	31300	46700	17900	21200	15900	11700	32900	33400	17400
24	53200	27700	19000	28500	32100	16600	12600	18800	24800	32700	5360	17200
25	45800	26600	20300	26200	38900	20900	8370	9760	28500	30600	15800	17400
26	35500	29800	38000	14700	38800	19700	9230	4050	33900	30000	38700	27800
27	40700	33200	40600	13000	34400	22000	9420	9600	35100	17900	48700	23600
28	16100	43500	41800	20700	40300	31300	9460	15200	3080	26600	48100	12000
29	27600	48100	32800	24100	---	31100	11200	13200	2820	37900	45500	5070
30	20200	56700	22900	23400	---	26600	11600	20100	2380	34300	44800	18900
31	17300	---	27600	23200	---	19600	---	28800	---	41100	37100	---
TOTAL	776800	892400	1106900	992000	1684800	792300	434050	499790	497920	692960	971160	639220
MEAN	25060	29750	35710	32000	60170	25560	14470	16120	16600	22350	31330	21310
MAX	53200	56700	55000	46700	107000	43400	22400	33800	35100	41100	49200	39100
MIN	15800	16000	19000	13000	32100	13700	8360	4050	2380	5340	5360	2780
CFSM	.98	1.16	1.39	1.25	2.35	1.00	.57	.63	.65	.87	1.22	.83
IN.	1.13	1.30	1.61	1.44	2.45	1.15	.63	.73	.72	1.01	1.41	.93
CAL YR 1984	TOTAL	16256900	MEAN	44420	MAX	242000	MIN	15400	CFSM	1.73	IN.	23.61
WTR YR 1985	TOTAL	9980300	MEAN	27340	MAX	107000	MIN	2380	CFSM	1.07	IN.	14.50

TENNESSEE RIVER BASIN

203

03575830 INDIAN CREEK NEAR MADISON, AL

LOCATION.--Lat 34°41'50", long 86°42'00", in NE¼ sec. 14, T. 4 S., R. 2 W., Madison County, Hydrologic Unit 06030003, on downstream side of bridge on State Highway 20, 0.3 mi downstream from Southern Railroad bridge, 2.8 mi east of Madison, and 5.8 mi upstream from mouth.

DRAINAGE AREA.--49.0 mi².

PERIOD OF RECORD.--October 1959 to September 1966, October 1966 to September 1972 (peak discharge only), October 1972 to September 1975 (flood hydrograph only), October 1975 to current year.

GAGE.--Water-stage recorder. Datum of gage is 601.32 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 22 to Nov. 8. Records good except those for period of estimated record, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--17 years (water years 1960-66, 1976-85), 64.9 ft³/s, 17.99 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s, Mar. 16, 1973, gage height, 12.70 ft; 1959-66, 1976-85, minimum discharge, 1.5 ft³/s, Oct. 1, 1983.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Aug. 17	0545	*1,190	*6.55				

Minimum discharge, 3.8 ft³/s, Oct. 12, July 20, 21, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	4.5	8.0	64	151	525	71	34	39	10	54	9.3	7.5	
2	4.5	12	152	136	199	69	28	92	9.3	19	8.7	6.7	
3	4.6	14	117	82	117	65	27	55	8.9	9.7	8.1	6.4	
4	4.4	12	71	86	105	63	26	39	8.8	7.8	7.2	6.2	
5	4.7	10	66	71	348	68	32	31	8.1	7.5	6.3	6.0	
6	4.8	9.0	73	65	300	61	45	26	8.0	7.0	6.3	5.9	
7	5.0	8.5	59	62	174	57	35	28	7.5	6.4	12	7.2	
8	8.4	7.7	55	57	129	55	29	41	7.3	5.9	9.6	8.9	
9	8.5	7.6	50	53	114	53	26	37	7.2	6.9	9.7	8.2	
10	17	38	48	54	110	50	25	38	6.7	23	7.5	7.9	
11	5.7	35	44	51	251	48	24	34	7.0	12	6.3	7.7	
12	4.3	20	42	46	261	47	23	28	7.2	6.2	6.0	9.2	
13	4.4	16	39	43	155	44	23	25	7.1	5.8	5.6	9.2	
14	4.2	15	36	43	139	43	28	23	6.7	5.6	5.4	8.4	
15	4.4	17	33	39	123	40	45	21	6.3	5.2	5.1	7.5	
16	4.5	20	31	43	107	38	32	19	8.4	7.9	93	6.7	
17	9.0	17	29	75	100	36	26	19	11	9.4	620	7.4	
18	5.7	17	28	59	92	33	24	19	14	7.0	102	7.1	
19	4.5	25	27	51	110	32	22	17	9.1	12	42	6.8	
20	5.1	21	83	45	107	30	21	16	7.9	9.3	29	6.5	
21	6.2	18	83	43	92	32	19	17	7.3	4.0	23	6.4	
22	8.1	16	74	42	84	56	18	15	18	78	19	6.1	
23	20	15	58	39	80	45	17	15	19	21	17	7.2	
24	33	14	58	38	81	38	26	14	8.6	34	185	7.0	
25	14	13	69	37	84	34	20	13	7.5	8.6	87	5.9	
26	11	12	62	33	91	30	18	13	7.1	43	33	11	
27	9.0	200	54	31	80	29	17	11	6.4	62	20	7.2	
28	14	646	50	43	73	29	16	13	6.2	45	15	5.8	
29	20	104	48	42	---	27	15	13	6.3	18	12	5.6	
30	14	75	46	39	---	26	14	12	23	12	10	10	
31	9.0	---	43	73	---	41	---	11	---	10	8.7	---	
TOTAL	276.5	1442.8	1792	1772	4231	1390	755	794	275.9	563.2	1428.8	219.6	
MEAN	8.92	48.1	57.8	57.2	151	44.8	25.2	25.6	9.20	18.2	46.1	7.32	
MAX	33	646	152	151	525	71	45	92	23	78	620	11	
MIN	4.2	7.6	27	31	73	26	14	11	6.2	4.0	5.1	5.6	
CFSM	.18	.98	1.18	1.17	3.08	.91	.51	.52	.19	.37	.94	.15	
IN.	.21	1.10	1.36	1.35	3.21	1.06	.57	.60	.21	.43	1.08	.17	
CAL YR 1984	TOTAL	25297.0		MEAN	69.1	MAX	1500	MIN	3.9	CFSM	1.41	IN.	19.21
WTR YR 1985	TOTAL	14940.8		MEAN	40.9	MAX	646	MIN	4.0	CFSM	.83	IN.	11.34

TENNESSEE RIVER BASIN

03584500 ELK RIVER NEAR PROSPECT, TN

LOCATION.--Lat 35°01'39", long 86°56'52", Giles County, Hydrologic Unit 06030004, on right bank 50 ft upstream from county road bridge, 1.1 mi downstream from Richland Creek, 3.2 mi east of Prospect, 5.4 mi upstream from Ford Creek, 7.9 mi upstream from Tennessee - Alabama State line, and at mile 41.5.

DRAINAGE AREA.--1,784 mi².

PERIOD OF RECORD.--July 1904 to February 1908, January 1919 to current year. Published as "near Elkmont, Ala." 1904-8, 1919-34. Record for both sites published January to March 1934.

REVISED RECORDS.--WSP 523: 1904-8, 1919-20. WSP 823: Drainage area. WSP 1436: 1920-22, 1923(M), 1924, 1927, 1929, 1931-32(M).

GAGE.--Water-stage recorder. Datum of gage is 563.29 ft above National Geodetic Vertical Datum of 1929. July 1, 1904, to Feb. 2, 1908, and Jan. 20, 1919, to Mar. 31, 1934, nonrecording gage 11.9 mi downstream at datum 13.52 ft lower.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Woods Reservoir (station 03579000) since May 1952, and Tims Ford Lake (station 03580740) since December 1970.

AVERAGE DISCHARGE.--69 years (water years 1905-7, 1920-85), 3,066 ft³/s, 23.34 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 117,000 ft³/s, Mar. 17, 1973, gage height, 40.12 ft, from rating curve extended above 63,000 ft³/s on basis of slope-area measurement at gage height 38.17 ft and contracted opening measurement at gage height 38.96 ft; minimum, 78 ft³/s, Sept. 29, 1961 (caused by highway construction upstream).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1902 reached a stage of 40.9 ft, discharge, 130,000 ft³/s, and may have been equaled by a flood in March 1897, from reports of Tennessee Valley Authority.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,100 ft³/s at 1600 hours Nov. 29, gage height, 22.18 ft; minimum, 232 ft³/s, Oct. 2, 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	297	2700	6560	3620	5920	3680	1600	952	520	1280	603	582
2	246	2370	5620	5000	6730	3550	1530	1480	560	960	452	518
3	365	3170	5280	4320	4150	2440	1320	1540	502	834	363	471
4	450	2370	5140	4900	3080	1590	1250	1230	427	858	317	418
5	451	1530	4860	4840	3350	1490	2190	1050	415	1400	288	706
6	451	1640	4850	4260	7100	1340	2450	939	442	1060	357	1210
7	456	2430	4470	4030	6860	1190	1970	1090	431	855	1100	1270
8	517	2200	4630	3550	6770	1110	1430	2840	573	601	1370	1220
9	602	2560	3500	2860	6010	1080	1200	2760	637	487	1270	647
10	603	3070	2060	2580	5580	1410	1070	2170	440	415	699	603
11	546	3530	2230	2550	10300	1420	995	2040	365	423	523	854
12	520	2390	2710	2370	16500	1310	938	1720	566	402	433	882
13	502	2100	2990	2340	11000	1200	887	1400	651	389	376	845
14	495	2490	3170	1790	7550	1100	863	1170	626	333	333	815
15	496	2400	2280	2160	6680	1040	1180	1020	762	305	303	815
16	493	3160	1220	2700	5910	972	1220	924	1490	336	553	518
17	733	3520	1080	2750	4690	927	1040	852	588	293	11300	502
18	1360	2860	1030	2420	4280	886	922	805	893	286	4830	495
19	865	11500	2310	2030	6630	836	843	766	2040	276	2340	521
20	690	11000	3690	1820	7720	798	791	722	1080	263	1580	481
21	1060	6000	5170	1730	6330	799	749	720	836	251	2530	476
22	2750	4500	5450	2950	5860	1520	707	743	744	240	1410	459
23	5800	3820	4320	2760	5340	2220	673	734	1390	264	942	477
24	8900	3180	3040	1500	5070	1910	1110	690	836	291	892	496
25	3860	2940	4070	1470	4880	1750	1380	647	643	323	1590	509
26	2250	2770	4840	1380	4820	1550	982	618	722	305	1450	1270
27	2000	4630	4800	1290	5060	1360	845	553	838	345	1130	1450
28	4130	19100	4830	1330	4380	1320	877	526	1070	657	897	871
29	6880	20700	4520	1390	---	1240	901	515	834	622	788	693
30	3920	10400	3930	1360	---	1130	834	544	1280	486	671	626
31	3200	---	2830	2010	---	1230	---	534	---	520	617	---
TOTAL	55888	147030	117480	82060	178550	45398	34747	34294	23201	16360	42307	21700
MEAN	1803	4901	3790	2647	6377	1464	1158	1106	773	528	1365	723
MAX	8900	20700	6560	5000	16500	3680	2450	2840	2040	1400	11300	1450
MIN	246	1530	1030	1290	3080	798	673	515	365	240	288	418

CAL YR 1984 TOTAL 1107037 MEAN 3025 MAX 30600 MIN 229 MEAN †3010 CFSM †1.69 IN. †22.96
WTR YR 1985 TOTAL 799015 MEAN 2189 MAX 20700 MIN 240 MEAN †2188 CFSM †1.23 IN. †16.65

† Adjusted for change in contents in Woods Reservoir and Tims Ford Lake.

03588500 SHOAL CREEK AT IRON CITY, TN

LOCATION.--Lat 35°01'27", long 87°34'44", Lawrence County, Hydrologic Unit 06030005, near center of span on downstream side of bridge on county road, 400 ft downstream from Holly Creek, 1,350 ft upstream from Louisville and Nashville Railroad bridge, 1,350 ft northeast of Iron City Post Office, and at mile 22.3.

DRAINAGE AREA.--348 mi².

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

REVISED RECORDS.--WSP 823: Drainage area. WSP 1113: 1927(M). WSP 1436: 1926(M), 1927-29, 1930(M), 1932, 1933(M).

GAGE.--Water-stage recorder. Datum of gage is 534.22 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 25, 1931, nonrecording gage at railroad bridge, 1,350 ft downstream at datum 0.85 ft lower. Feb. 25, 1931, to Sept. 30, 1933, nonrecording gage at site 825 ft downstream and Oct. 1, 1933, to Sept. 30, 1957, water-stage recorder at site 750 ft downstream at datum 0.69 ft higher.

REMARKS.--No estimated daily discharges. Records good. Prior to January 1951, diurnal fluctuation at low flow caused by powerplant near Lawrenceburg.

AVERAGE DISCHARGE.--60 years, 649 ft³/s, 25.33 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 132,000 ft³/s, Mar. 21, 1955, gage height, 27.25 ft, site and datum then in use, present site and datum, 28.4 ft from high water profile, rating curve extended above 50,000 ft³/s on basis of slope-area measurement made 1,500 ft downstream; minimum, 38 ft³/s, Aug. 31, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1902 reached a stage about 3 ft higher than that of Mar. 21, 1955, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,500 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 19	1100	6,520	10.92	Nov. 28	1030	*6,780	*11.15

Minimum discharge, 103 ft³/s, Sept. 20, 21, 22, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	140	520	1130	588	954	657	792	713	237	658	169	151	
2	137	727	985	540	1000	636	719	1160	226	397	147	145	
3	138	686	1010	507	973	599	668	1050	217	291	137	148	
4	138	576	857	578	863	580	623	859	210	260	137	147	
5	137	501	765	550	919	587	596	739	203	256	137	141	
6	136	431	787	509	1310	530	632	655	198	260	221	144	
7	146	380	697	497	1200	503	552	631	201	241	220	136	
8	695	347	639	478	1010	493	504	1450	217	214	315	132	
9	509	323	596	450	891	484	475	959	213	201	199	190	
10	264	437	555	486	896	466	452	799	201	193	167	161	
11	208	762	510	497	2240	459	439	704	208	186	149	138	
12	190	580	477	459	3600	459	426	624	298	178	145	128	
13	181	491	453	442	1820	439	411	542	233	171	139	120	
14	176	435	422	447	1360	427	406	469	205	171	130	116	
15	174	427	392	430	1140	411	486	415	198	166	129	112	
16	174	520	372	414	990	397	474	370	196	176	243	110	
17	499	450	362	527	893	393	429	343	200	168	3260	110	
18	448	608	349	534	839	377	405	329	555	153	957	109	
19	278	4550	341	519	910	366	391	309	388	148	500	107	
20	273	1880	805	507	953	361	382	292	261	144	378	105	
21	769	1180	1210	500	870	391	370	284	228	139	330	105	
22	1090	892	1170	500	804	653	357	310	220	136	259	105	
23	3460	725	1030	490	753	652	349	308	450	171	224	119	
24	2090	618	925	460	804	612	1110	284	298	168	220	170	
25	986	541	989	433	779	573	1160	264	248	184	244	135	
26	695	484	892	392	748	530	886	251	706	161	220	644	
27	538	871	813	379	723	519	746	241	308	190	193	368	
28	1120	5040	747	422	677	538	659	252	662	209	178	195	
29	1400	2130	689	403	---	507	582	273	414	242	169	160	
30	824	1410	638	407	---	486	534	247	369	198	165	153	
31	629	---	604	543	---	675	---	236	---	193	158	---	
TOTAL	18642	29522	22211	14888	30919	15760	17015	16362	8768	6623	10239	4804	
MEAN	601	984	716	480	1104	508	567	528	292	214	330	160	
MAX	3460	5040	1210	588	3600	675	1160	1450	706	658	3260	644	
MIN	136	323	341	379	677	361	349	236	196	136	129	105	
CFSM	1.73	2.83	2.06	1.38	3.17	1.46	1.63	1.52	.84	.61	.95	.46	
IN.	1.99	3.16	2.37	1.59	3.31	1.68	1.82	1.75	.94	.71	1.09	.51	
CAL YR 1984	TOTAL	238600		MEAN	652	MAX	10100	MIN	125	CFSM	1.87	IN.	25.51
WTR YR 1985	TOTAL	195753		MEAN	536	MAX	5040	MIN	105	CFSM	1.54	IN.	20.93

TENNESSEE RIVER BASIN
TENNESSEE RIVER MAIN STEM

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW¼ sec. 14, T. 3 S., R. 11 W., Lauderdale County, Hydrologic Unit 06030005, on right bank at lower end of Patton Island, 137 ft upstream from Southern Railway bridge, 700 ft upstream from O'Neal Bridge on U.S. Highway 72, 1.1 mi south of Florence Post Office, 1.7 mi upstream from Cypress Creek, 2.7 mi downstream from Wilson Dam, and at mile 256.7.

DRAINAGE AREA.--30,810 mi², approximately.

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

REVISED RECORD.--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft above National Geodetic Vertical Datum of 1929. Prior to Apr. 1, 1926, several National Weather Service staff gages at or near Southern Railway bridge 137 ft downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 mi downstream.

REMARKS.--Estimated daily discharges: Oct. 11 to Nov. 22, Jan. 3-15. Records good except for periods of estimated record and those below 25,000 ft³/s, which are fair. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station. Flow now almost completely regulated. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--91 years, 51,870 ft³/s, 22.86 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 530,000 ft³/s, Mar. 17, 1973, maximum gage height, 32.5 ft, Mar. 19, 1897; minimum daily discharge, 105 ft³/s, Sept. 7, 1969 (computed on basis of Wilson Dam records), minimum gage height, -0.30 ft, Oct. 8, 1925, caused by filling of Wilson Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1867 reached a stage of 31.1 ft, from National Weather Service records, discharge, 421,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 159,000 ft³/s, Feb. 5, maximum gage height, 15.42 ft, Feb. 5; minimum daily discharge, 7,280 ft³/s, July 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	30900	35000	83100	38700	79500	54700	25400	21000	19000	20000	41500	32100	
2	27100	32000	79800	47900	112000	60900	18300	36400	12500	18900	36100	27100	
3	27000	27000	65800	66000	111000	48400	19500	44500	31000	29500	27100	33300	
4	27500	27000	71400	60000	116000	44900	19400	26600	36000	23800	15100	31400	
5	30100	31000	78200	56000	142000	46300	22900	15400	36100	29700	21800	32600	
6	23300	37000	75900	58000	125000	46800	14800	28800	23400	15800	23100	25100	
7	20000	41000	73500	56000	108000	44600	14100	17000	26000	13600	25700	20000	
8	26600	43000	51100	56000	108000	42400	22900	32200	10100	21200	31800	17300	
9	26500	34000	43700	53000	104000	31200	20000	33000	9540	23800	38000	34700	
10	32300	27000	52800	57000	96100	21800	18800	34000	31000	24300	30200	35800	
11	37000	29000	54800	54000	78100	28500	18300	18800	27700	26700	25300	34200	
12	31000	46000	55000	48000	94000	33600	16700	26900	22500	29900	39600	33200	
13	21000	51000	58100	36000	106000	36200	12800	32400	17000	15100	35200	27100	
14	20000	46000	63000	30000	101000	43300	14300	42200	13700	19300	30900	11800	
15	25000	47000	37900	42000	97200	38900	18800	41900	14700	16700	28900	9590	
16	26000	43000	30100	32000	75200	23700	20000	30600	13800	18000	31400	26200	
17	27000	35000	41800	40800	67600	19400	18500	30600	24900	15600	57900	24500	
18	30000	25000	40800	48300	57800	27800	21500	9610	30700	7280	55100	33700	
19	30000	54000	39900	29700	63300	26800	22800	11100	21300	23200	51600	31100	
20	21000	57000	39300	33500	62300	28500	12900	11500	17300	25000	47500	32900	
21	24000	57000	37300	61400	67500	26800	11500	17400	17100	16600	52900	11700	
22	45000	50000	52100	53500	75300	26600	20500	23400	16600	25700	45200	12400	
23	76000	57300	36200	46700	71200	18800	27300	21400	15400	24900	49900	19400	
24	85000	41300	30900	36900	52400	17000	19700	22500	24000	24700	30400	15300	
25	70000	38300	30100	39100	60900	20400	13800	16700	32200	25800	20000	15100	
26	48000	44700	58100	26900	49800	18400	16200	9280	32500	44100	40300	27000	
27	60000	47300	66000	26700	56400	22900	16700	15300	31200	28700	51700	25200	
28	24000	66400	69400	33900	49700	33000	17200	20900	23600	36600	51000	18800	
29	38000	93300	51600	35800	---	33400	17000	15300	17600	49800	54000	8780	
30	37000	94100	34700	33200	---	27500	14800	25300	8240	39000	48000	20800	
31	40000	---	42000	36000	---	25800	---	32400	---	41000	43800	---	
TOTAL	1086300	1356700	1644400	1373000	2387300	1019300	547400	764390	656680	774280	1181000	728170	
MEAN	35040	45220	53050	44290	85260	32880	18250	24660	21890	24980	38100	24270	
MAX	85000	94100	83100	66000	142000	60900	27300	44500	36100	49800	57900	35800	
MIN	20000	25000	30100	26700	49700	17000	11500	9280	8240	7280	15100	8780	
CFSM	1.14	1.47	1.72	1.44	2.77	1.07	.59	.80	.71	.81	1.24	.79	
IN.	1.31	1.64	1.99	1.66	2.88	1.23	.66	.92	.79	.93	1.43	.88	
CAL YR 1984	TOTAL	22057700		MEAN	60270	MAX	313000	MIN	12200	CFSM	1.96	IN.	26.63
WTR YR 1985	TOTAL	13518920		MEAN	37040	MAX	142000	MIN	7280	CFSM	1.20	IN.	16.32

RESERVOIRS IN TENNESSEE RIVER BASIN

03574000 GUNTERSVILLE LAKE.--Lat 34°25'17", long 86°23'34", sec. 14, T. 7 S., R. 2 E., Marshall County, Hydrologic Unit 06030001, in powerhouse at Guntersville Dam on Tennessee River, 11 mi northwest of Guntersville, and at mile 349.0. DRAINAGE AREA, 24,450 mi², approximately. PERIOD OF RECORD, October 1938 to current year. GAGE, water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

Reservoir is formed by concrete dam with riprapped earth embankments. Spillway equipped with 18 two-section lift gates 40.44 ft high by 50 ft wide. Dam completed and storage began Jan. 16, 1939; water in reservoir first reached minimum navigation pool elevation Jan. 27, 1939. Total level pool capacity at elevation 595.44 ft (top of gates) is 530,400 ft³/s-day, of which 86,900 ft³/s-day is controlled flood storage above elevation 593.00 ft (minimum navigation pool). Reservoir is used for navigation, flood control, and power. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum elevation 596.29 ft, Mar. 2, 1944; minimum (after start of operation plan in April 1940), 590.65 ft, Nov. 12, 1968. Contents based on backwater profile.

EXTREMES FOR CURRENT YEAR: Maximum midnight contents during year, 531,000 ft³/s-day, Feb. 3; maximum elevation, 595.30 ft, Apr. 18; minimum midnight contents, 448,000 ft³/s, Jan. 25; minimum elevation 592.85 ft, Jan. 1.

03586000 WHEELER LAKE.--Lat 34°47'52", long 87°22'51", Swk sec. 9, T. 3 S., R. 8 W., Lawrence County, Hydrologic Unit 06030005, at Wheeler Dam on Tennessee River, 0.8 mi upstream from Big Nance Creek, 30.1 mi downstream from Decatur, 74.1 mi downstream from Guntersville Dam, and at mile 274.9. DRAINAGE AREA, 29,590 mi², approximately. PERIOD OF RECORD, September 1936 to current year. GAGE, water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

Reservoir is formed by concrete dam with 60 radial gates 15 ft high by 40 ft wide and 2 trashway gates 6 ft high by 37.5 ft wide. Storage began Oct. 3, 1936; water in reservoir first reached minimum pool elevation Dec. 10, 1936. Total level pool capacity at elevation 556.28 ft (top of gates) is 540,000 ft³/s-day of which 177,000 ft³/s-day is controlled flood storage above elevation 550.00 ft (ordinary minimum pool). Reservoir is used for navigation, flood control, and power. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum elevation 557.32 ft, Mar. 1, 1944; minimum (after start of operation plan in August 1937), 548.43 ft, Dec. 9, 1962. Contents based on backwater profile.

EXTREMES FOR CURRENT YEAR: Maximum midnight contents during year, 535,000 ft³/s-day, June 27; maximum elevation 556.28 ft, July 14, minimum midnight contents, 373,000 ft³/s, Jan. 13; minimum elevation 549.79 ft, Jan. 14.

03589000 WILSON LAKE.--Lat 34°47'46", long 87°37'27", in SEk sec. 18, T. 3 S., R. 10 W., Colbert County, Hydrologic Unit 06030005, at cooling-water intake at Wilson Dam on Tennessee River, 2.9 mi southeast of Florence, 4.1 mi upstream from Cypress Creek, 15.5 mi downstream from Wheeler Dam, and at mile 259.4. DRAINAGE AREA, 30,750 mi², approximately. PERIOD OF RECORD, April 1924 to current year. Prior to August 1926 monthend contents only, published in WSP 1306. GAGE, water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

Reservoir is formed by concrete gravity dam with fixed ogee crest. Spillway equipped with 58 Stoney gates 20.54 ft high by 38 ft wide. Storage began Apr. 14, 1924. Revised capacity table used after Dec. 31, 1970. Total capacity at elevation 507.88 ft (top of gates) is 322,800 ft³/s-day of which 26,800 ft³/s-day is controlled flood storage above elevation 504.50 ft (minimum pool). Reservoir is used for navigation, flood control, and power. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 329,800 ft³/s-day, Apr. 29, 1963; maximum elevation, 508.38 ft, May 19, 1983; minimum contents, 233,200 ft³/s-day, Apr. 6, 1927, elevation, 501.30 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents during year, 322,700 ft³/s-day, Oct. 26; elevation, 507.86 ft, Oct. 26; minimum 296,200 ft³/s-day, Mar. 7, elevation 504.53 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

Date	Elevation (feet)	Contents (cfs-day)	Change in contents (cfs-day)	Elevation (feet)	Contents (cfs-day)	Change in contents (cfs-day)	Elevation (feet)	Contents (cfs-day)	Change in contents (cfs-day)
	03574000	GUNTERSVILLE LAKE		03586000	WHEELER LAKE		03589000	WILSON LAKE	
Sept. 30.....	593.95	476,000	.....	553.06	435,000	.....	507.20	317,300	.....
Oct. 31.....	593.70	467,000	-9,000	551.76	401,000	-34,000	506.97	315,500	-1,800
Nov. 30.....	594.80	506,000	+39,000	552.45	418,000	+17,000	506.90	314,900	-600
Dec. 31.....	593.21	450,000	-56,000	551.19	388,000	-30,000	505.51	303,900	-11,000
CAL YR 1984	.....	.....	-65,000	.....	.....	-91,000	.....	.....	-2,700
Jan. 31.....	593.85	475,000	+25,000	550.99	385,000	-3,000	505.90	306,700	+2,800
Feb. 28.....	593.50	465,000	-10,000	550.85	386,000	+1,000	505.75	305,500	-1,200
Mar. 31.....	593.75	469,000	+4,000	553.29	441,000	+55,000	505.34	302,300	-3,200
Apr. 30.....	594.84	508,000	+39,000	555.85	523,000	+82,000	507.40	318,900	+16,600
May 31.....	594.65	503,000	-5,000	555.50	512,000	-11,000	507.20	317,200	-1,700
June 30.....	594.94	511,000	+8,000	555.34	505,000	-7,000	507.21	317,300	+100
July 31.....	594.40	498,000	-13,000	555.49	517,000	+12,000	507.14	316,700	-600
Aug. 31.....	594.11	485,000	-13,000	553.80	459,000	-58,000	507.18	317,100	+400
Sept. 30.....	593.76	469,000	-16,000	552.95	431,000	-28,000	506.85	314,400	-2,700
WTR YR 1985	.....	.....	-7,000	.....	.....	-4,000	.....	.....	-2,900

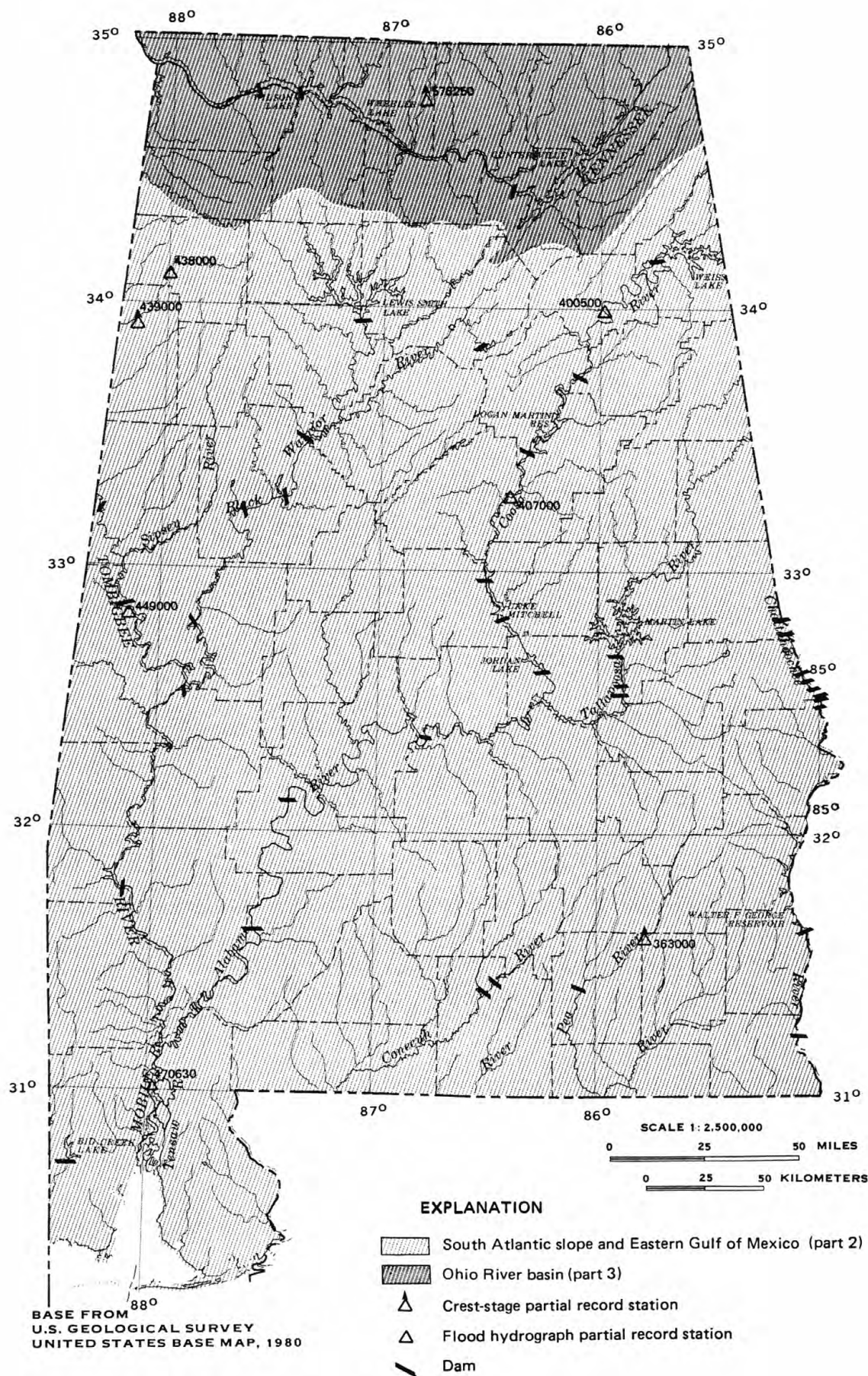


Figure 6.--Map of Alabama showing location of partial-record stations.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02407000 COOSA RIVER AT CHILDERSBURG, AL

LOCATION.--Lat 33°17'30", long 86°21'50", in NE¼ sec. 18, T. 20 S., R. 3 E., Shelby County, Hydrologic Unit 03150107, near right bank on downstream side of Central of Georgia Railway bridge, 700 ft upstream from bridge on State Highway 38, 0.5 mi downstream from Tallassee hatchee Creek, 1 mi northwest of Childersburg, and at mile 86.3.

DRAINAGE AREA.--8,392 mi².

PERIOD OF RECORD.--October 1913 to September 1978. October 1978 to current year (flood hydrograph only). Monthly discharge only for periods October 1913 to February 1914, June 1915, July to September, November 1916, published in WSP 1304.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 382.45 ft above National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.). Prior to Oct. 1, 1915, at datum 0.10 ft lower. Since Sept. 29, 1967, auxiliary water-stage recorder, 3.5 mi downstream.

REMARKS.--No estimated discharges. Records poor. Since December 1949 flow regulated by Allatoona Reservoir on Etowah River; since April 1961 by Weiss Reservoir on Coosa River, since July 1964 by Logan-Martin Reservoir. (See Reservoirs in Mobile River basin.)

AVERAGE DISCHARGE.--65 years (water years 1914-78), 13,860 ft³/s, 22.43 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150,000 ft³/s, Apr. 14, 1979; maximum gage height, 30.41 ft, Feb. 23, 1961; minimum daily discharge, 378 ft³/s, Apr. 20, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 59,000 ft³/s, Feb. 6, gage height, 18.98 ft, Feb. 5.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1985 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-02	1200	16.56	38,300	02-05	1600	18.77	56,700	02-07	0300	18.45	55,300
02-02	2400	16.34	37,000	02-05	1800	18.89	58,000	02-07	0600	18.30	51,000
				02-05	2000	18.91	56,600	02-07	1000	18.06	49,300
02-03	1200	16.25	36,800	02-05	2200	18.95	57,500	02-07	1200	17.52	44,600
02-03	1800	16.78	42,200	02-05	2400	18.97	57,600	02-07	1400	17.06	40,500
02-03	2400	16.84	42,400					02-07	1800	16.70	36,800
				02-06	0200	18.94	57,500	02-07	2400	16.63	36,000
02-04	1200	16.89	41,200	02-06	0400	18.92	58,200				
02-04	2400	16.86	40,500	02-06	0600	18.89	58,800	02-08	1200	16.65	37,300
				02-06	0800	18.83	58,500	02-08	2400	16.53	35,100
02-05	0300	16.90	41,900	02-06	1000	18.79	59,000				
02-05	0800	17.45	45,100	02-06	1200	18.76	58,200	02-09	1200	16.42	34,200
02-05	1000	17.99	49,000	02-06	1800	18.65	57,600	02-09	2400	16.32	35,100
02-05	1200	18.36	52,000	02-06	2400	18.54	56,400				

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Flood hydrograph partial-record stations--Continued

MOBILE RIVER BASIN

02438000 BUTTAHATCHEE RIVER BELOW HAMILTON, AL

LOCATION.--Lat 34°06'22", long 87°56'38", on line between secs. 14 and 15, T. 11 S., R. 14 W., Marion County, hydrologic unit 03160103, near right bank on downstream side of bridge on U.S. Highway 78, 0.5 mi downstream from Woods Creek, 2 mi south of Hamilton, and at mile 82.6.

DRAINAGE AREA.--284 mi².

PERIOD OF RECORD.--October 1950 to September 1970. October 1982 to September 1984 (crest-stage only). October 1970 to September 1972, October 1984 to September 1985 (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 360.50 ft above National Geodetic Vertical Datum of 1929. (Levels by U.S. Army Corps of Engineers.) July 7, 1953, to July 10, 1954, nonrecording gage at site 300 ft upstream at same datum.

REMARKS.--No estimated discharges. Records good.

AVERAGE DISCHARGE.--20 years (1951-70), 506 ft³/s, 24.20 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 49,500 ft³/s, Mar. 16, 1973, gage height, 35.49 ft; 1950-70, minimum discharge, 19 ft³/s, Sept. 2-5, 15, 1954, gage height, 0.78 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 7,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Oct. 22	1500	12,200	17.76	May 2	0500	*21,600	*25.10
Nov. 27	2400	8,220	13.73				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1985 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
10-20	2400	2.01	203	11-26	2400	1.95	187	05-01	0200	2.75	455
10-21	0600	3.50	799	11-27	0600	1.93	182	05-01	0600	8.45	3,940
10-21	1200	4.89	1,560	11-27	1200	2.47	345	05-01	1000	17.03	11,500
10-21	1800	3.58	839	11-27	1400	4.43	1,300	05-01	1200	19.36	14,000
10-21	2400	3.21	661	11-27	1600	7.25	3,090	05-01	1400	20.54	15,400
10-22	0600	2.89	518	11-27	1800	9.98	5,080	05-01	1600	21.37	16,400
10-22	1000	10.10	5180	11-27	2000	12.14	6,830	05-01	1800	22.01	17,200
10-22	1200	14.84	9260	11-27	2200	13.34	7,870	05-01	2000	23.01	18,600
10-22	1400	17.35	11,800	11-27	2400	13.73	8,220	05-01	2200	24.04	19,900
10-22	1500	17.76	12,200	11-28	0200	13.51	8,020	05-01	2400	24.71	21,000
10-22	1600	17.49	12,000	11-28	0600	12.32	6,880	05-02	0200	24.81	21,000
10-22	2000	12.94	7,510	11-28	1200	9.86	4,990	05-02	0500	25.10	21,600
10-22	2400	8.90	4,240	11-28	1800	7.88	3,530	05-02	0800	24.56	20,700
10-23	0600	6.02	2,250	11-28	2400	6.43	2,520	05-02	1000	24.05	19,900
10-23	1200	5.12	1,700	11-29	1200	5.00	1,630	05-02	1200	23.43	19,000
10-23	1800	4.60	1,390	11-29	2400	4.36	1,260	05-02	1600	21.00	16,000
10-23	2400	4.19	1,170	11-30	2400	3.95	1,040	05-02	2000	14.80	9,220
10-24	1200	3.70	902	12-01	2400	3.38	740	05-02	2400	9.93	5,050
10-24	2400	3.21	661	04-30	2400	2.22	262	05-03	0600	7.92	3,560
10-25	2400	2.64	410					05-03	1200	6.96	2,890
								05-03	1800	6.18	2,360
								05-03	2400	5.65	2,020
								05-04	2400	4.47	1,320
								05-05	2400	3.83	973

Flood hydrograph partial-record stations--Continued

MOBILE RIVER BASIN

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL

LOCATION.--Lat 32°49'30", long 88°09'24", in SE¼ sec. 2, T. 21 N., R. 2 W., Sumter County, Hydrologic Unit 03160106, near right bank on downstream side of bridge on State Highway 39 at Gainesville, 2 mi downstream from Noxubee River. and at mile 234.4.

DRAINAGE AREA.--8,632 m¹².

PERIOD OF RECORD.--October 1938 to September 1955, October 1955 to September 1960 (fragmentary), October 1960 to September 1978. October 1978 to September 1981, October 1982 to current year (flood hydrograph only). Gage-height records collected at same site from 1937 to December 1971 are contained in reports of National Weather Service.

REVISED RECORDS.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 63.29 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 2, 1939, nonrecording gage at present site and datum. Water-stage recorder 1.5 mi downstream from base gage used as base for low-water periods during 1963 water year. Since Oct. 15, 1939, auxiliary water-stage recorder 19.2 mi downstream from base gage at datum 10.14 ft lower. Prior to Oct. 15, 1939, auxiliary non-recording gage 700 ft upstream from site of auxiliary water-stage recorder.

REMARKS.--No estimated discharges. Records good. Gage height telemeter at station.

AVERAGE DISCHARGE.--35 years (water years 1939-55, 1961-78), 12,270 ft³/s, 19.30 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 261,000 ft³/s, Apr. 15, 1979; maximum gage height, 56.28 ft, Apr. 15, 1979; minimum daily discharge, 250 ft³/s, Sept. 21, 22, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 69,500 ft³/s, Feb. 13; maximum gage height 34.21 ft, Feb. 13.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1985 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
05-01	2400	18.53	25,400	05-04	0600	29.80	54,200	05-06	0600	32.71	58,900
05-02	0600	20.49	30,500	05-04	1200	30.21	55,000	05-06	1200	31.55	53,200
05-02	1200	22.60	37,900	05-04	1800	30.87	57,700	05-06	1800	29.84	44,800
05-02	1800	24.55	44,300	05-04	2400	31.81	61,800	05-06	2400	28.32	40,700
05-02	2400	26.00	47,300	05-05	0600	32.46	63,900	05-07	0600	26.17	33,500
05-03	0600	27.22	49,800	05-05	1200	32.94	63,800	05-07	1200	24.02	27,400
05-03	1200	28.10	51,300	05-05	1800	33.23	64,000	05-07	1800	21.45	19,700
05-03	1800	28.92	52,700	05-05	2400	33.27	63,000	05-07	2400	19.95	18,700
05-03	2400	29.22	52,300								

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, and discharge measurements may have been made for purposes of establishing the stage-discharge relation, but these are 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 1985

			Annual maximum				
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (ft)	Dis- charge (ft ³ /s)
Choctawhatchee River basin							
02363000	Pea River nr Arlton	Lat 31°35'41", long 85°46'59", in SW¼ sec. 7, T. 7 N., R. 23 E., Dale County, on left bank at downstream side of abandoned bridge, and 20 ft upstream from bridge on U.S. Highway 231, 3.5 mi west of Arlton, and at mile 86.9.	498	*1939-70, a1971-82, 1983-85	2-07-85	7.51	2,070
Mobile River basin							
02439000	Buttahatchee River near Sulligent	Lat 33°55'08", long 88°07'47", in NE¼ sec. 19, T. 13 S., R. 15 W., Lamar County, Hydrologic unit 03160103, near left bank on downstream side of bridge on State Highway 17, 1 mi upstream from Bogue Creek, 1.5 mi northwest of Sulligent, 2 mi downstream from Beaver Creek, and at mile 56.7.	472	*1939-59, 1959-60, a1971-84, 1984-85	5-02-85	16.09	24,400
02468966	Little Kinterbish Creek near Ward	Lat 32°22'03", long 88°17'54", in NW¼NW¼ sec. 16, T. 16 N., R. 3 W., Sumter County, on county road, 1.3 mi west of Ward.	19.5	1976-78, 1980-85	2-24-77 5-08-78 4-13-80 3-30-81 8-01-82 5-20-83 4-03-84 10-22-84	11.41 10.84 12.06 13.08 11.41 12.69 10.10 10.64	b685 b585 b812 b1,080 b685 b940 b469 552
Tennessee River basin							
03576250	Limestone Creek near Athens	Lat 34°45'06", long 86°49'24", in SW¼ sec. 26, T. 3 S., R. 3 W., Limestone County, Hydrologic unit 0603003, on downstream side of U.S. Highway 72 between Athens and Huntsville, and at mile 17.0.	119	*1939-70, a1971-82, 1984-85	8-17-85	8.55	4,000

* - operated as a continuous-record gaging station

a - operated as a flood-hydrograph station

b - not previously published

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1985

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Apalachicola River basin						
02339210 Wehadkee Creek	Chattahoochee River	Lat 33°12'32", long 85°19'14", in NW¼ sec. 5, T. 21 S., R. 13 E., Randolph County, at county road 1.0 mi north of Springfield, and 6.0 mi northeast of Roanoke.	11.5	1945, 1948-49, 1952-54	10-16-84	a5.2
02339215 Wehadkee Creek	Chattahoochee River	Lat 33°08'50", long 85°16'55", in W¼ sec. 34, T. 21 S., R. 13 E., Randolph County, at county road 1.0 mi southeast of Rock Mills.	37.1	1919, 1948-49, 1952-54, 1968	10-16-84	a12
02340750 Osanippa Creek	Chattahoochee River	Lat 32°47'20", long 85°11'30", in NE¼ sec. 25, T. 21 N., R. 28 E., Chambers County, at U.S. Highway 29, 1.0 mi southwest of Fairfax.	99.7	1948-49, 1951-54, 1968	10-16-84	a19
02340900 Halawakee Creek	Chattahoochee River	Lat 32°41'50", long 85°16'02", in NW¼ sec. 29, T. 20 N., R. 28 E., Lee County, at U.S. Highway 29, 7.0 mi northeast of Opelika.	36.2	1946, 1948-49, 1951-54, 1969	10-16-84	a3.0
02342150 Uchee Creek	Chattahoochee River	Lat 32°21'16", long 85°05'44", in NE¼ sec. 26, T. 16 N., R. 29 E., Russell County, at U.S. Highway 431, 6.0 mi northeast of Seale.	162	1944, 1948-49, 1951-54, 1968-69	10-17-84	a4.6
02342200 Phelps Creek	Little Uchee Creek	Lat 32°33'49", long 85°16'36", in SW¼ sec. 7, T. 18 N., R. 28 E., Lee County, at bridge on county road, 1 mi upstream from mouth, and 9.0 mi southeast of Opelika.	6.67	1966, 1968-69	10-17-84	a.13
02342400 Little Uchee Creek	Uchee Creek	Lat 32°33'40", long 85°04'50", in SE¼ sec. 13, T. 16 N., R. 29 E., Russell County, at U.S. Highway 431, 8.0 mi northeast of Seale.	127	1948-49, 1952-54, 1968-69	10-17-84	a3.9
02342890 Hatche- chubbee Creek	Chattahoochee River	Lat 32°10'57", long 85°10'03", in SE¼ sec. 14, T. 14 N., R. 28 E., Russell County, at county road, 2.0 mi west of Pittsview.	51.0	1947-48, 1968-69	10-17-84	a2.0
02342910 North Fork Cowikee Creek	Cowikee Creek	Lat 32°11'30", long 85°18'25", in SW¼ sec. 14, T. 14 N., R. 27 E., Russell County, at county road, 0.5 mi east of Rutherford and 7.0 mi southeast of Hurtsboro.	42.7	1947-48, 1969	10-17-84	0
02342915 Hurtsboro Creek	North Fork Cowikee Creek	Lat 32°10'53", long 85°19'08", in SE¼ sec. 21, T. 14 N., R. 27 E., Russell County, at county road, 1.0 mi southwest of Rutherford, and 7.0 mi southeast of Hurtsboro.	22.8	1947-48, 1969	10-17-84	0
02342920 North Fork Cowikee Creek	Cowikee Creek	Lat 32°05'24", long 85°12'34", in NE¼ sec. 27, T. 13 N., R. 28 E., Barbour County, at county road, 3.0 mi southwest of Glenville.	114	1973	10-16-84	0
02342925 Middle Fork Cowikee Creek	Cowikee Creek	Lat 32°10'16", long 85°22'42", in NE¼ sec. 25, T. 14 N., R. 26 E., Russell County, at county road, 5 mi southeast of Hurtsboro.	66.4	1947-48	10-17-84	0
02342928 Middle Fork Cowikee Creek	Cowikee Creek	Lat 32°03'15", long 85°13'40", in NE¼ sec. 4, T. 12 N., R. 28 E., Barbour County, at county road, 1.5 mi north of Hawkinsville and 4.5 mi northwest of Howe.	.....	1973	10-16-84	a2.6

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1985--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Apalachicola River basin--Continued						
02342965 Chewalla Creek	Chattahoochee River	Lat 31°56'15", long 85°10'45", in E½ sec. 13, T. 11 N., R. 28 E., Barbour County, at county road, 3.0 mi southeast of Lugo and 4.0 mi northwest of Eufaula.	15.6	1973	10-16-84	a0.09
02342995 Barbour Creek	Chattahoochee River	Lat 31°53'44", long 85°14'01", in NW¼ sec. 33, T. 11 N., R. 28 E., Barbour County, at pasture site, 0.2 mi south of Central of Georgia Railroad, and 1.3 mile north of Osco.	.....	....	10-16-84	a8.3
02343040 Cheney- hatchee Creek	Chattahoochee River	Lat 31°50'25", long 85°13'11", in NE¼ sec. 22, T. 10 N., R. 28 E., Barbour County, at county road 3.0 mi southeast of Eufaula.	28.2	1964, 1969, 1973	10-16-84	a3.3
02343275 Abbie Creek	Chattahoochee River	Lat 31°33'42", long 85°12'18", in SW¼ sec. 23, T. 7 N., R. 28 E., Henry County, at State Highway 10, 2.5 mi east of Abbeville.	48.7	1947-48, 1951, 1964, 1969	10-17-84	a4.7
02343292 Sandy Creek	Abbie Creek	Lat 31°26'13", long 85°15'36", in NW¼ sec. 5, T. 5 N., R. 28 E., Henry County, at U.S. Highway 431, 5.0 mi east of Newville.	23.6	1948, 1964	10-17-84	a23
02343700 Stevenson Creek	Omusee Creek	Lat 31°21'18", long 85°11'05", in S¼ sec. 36, T. 5 N., R. 28 E., Henry County, at State Highway 134, 1.0 mi upstream from mouth, and 9.5 mi east of Headland.	14.0	1964, 1969	10-17-84	a13
02343750 Omusee Creek	Chattahoochee River	Lat 31°17'33", long 85°07'35", in NW¼ sec. 27, T. 4 N., R. 29 E., Houston County, at State Highway 52 at Columbia.	176	1947-48, 1964, 1969	10-18-84	182
02358770 Big Creek	Marshall Creek	Lat 31°01'14", long 85°21'01", in NW¼ sec. 33, T. 1 N., R. 27 E., Houston County, at county road 2.5 mi southeast of Madrid.	97.6	1964, 1969	10-18-84	a14
Choctawhatchee River basin						
02361365 Unnamed Tributary	Harrand Creek	Lat 31°19'38", long 85°50'19", in NW¼ sec. 15, T. 4 N., R. 22 E., Coffee County, at culvert on county road, 0.1 mile from intersection of State Highway 27 and US Highway 84 By-Pass in Enterprise.	1.98	....	5-23-85 7-09-85 7-23-85 8-27-85 9-18-85	a1.6 a1.9 a1.7 a2.6 a1.6
02361370 Harrand Creek	Claybank Creek	Lat 31°20'17", long 85°44'55", in NW¼ sec. 9, T. 4 N., R. 23 E., Dale County, at bridge on Lowe Field Road on Fort Rucker Military Reser- vation, 5.4 mi east of Enterprise.	20.3	....	5-23-85 7-09-85 7-23-85 8-27-85 9-18-85	a22 a13 a7.8 34 a8.2
02361373 Cowpen Creek	Claybank Creek	Lat 31°19'02", long 85°47'06", in SW¼ sec. 18, T. 4 N., R. 23 E., Dale County, at bridge on dirt road 4.0 mi east of Enterprise.	10.4	....	5-23-85 7-09-85 7-23-85 8-27-85 9-18-85	a9.7 a5.3 a3.8 14 a3.2
02362000 Choctaw- hatchee River	Choctawhatchee Bay	Lat 31°02'28", long 85°51'08", in SW¼ sec. 21, T. 1 N., R. 22 E., Geneva County, on downstream side of State Highway 52 bridge, 1 mi northwest of Geneva, 1.4 mi upstream from Pea River.	1,346	1949, 1955, 1956, 1964, 1969	7-11-85	921

See footnotes at end of table

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1985--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Choctawhatchee River basin--Continued						
02362175 Blanket Creek	Double Creek	Lat 31°17'33", long 85°53'35", in NE¼ sec. 25, T. 4 N., R. 21 E., Coffee County, at culvert on county road, 4 mi southwest of Enterprise.	7.36	1949	5-24-85	a3.8
					7-10-85	a3.6
					7-23-85	a3.1
					8-27-85	a7.1
					9-17-85	a2.4
02362240 Little Double Bridges Creek	Double Bridges Creek	Lat 31°16'20", long 85°57'30", in SW¼ sec. 33, T. 4 N., R. 21 E., Coffee County, at bridge on county road 18, 8.4 mi southwest of Enterprise.	21.4	....	7-10-85	a12
					7-24-85	a8.0
					8-08-85	a6.6
					8-28-85	17
					9-17-85	a5.6
02362245 Little Double Bridges Creek	Double Bridges Creek	Lat 31°15'17", long 85°57'07", in SE¼ sec. 4, T. 3 N., R. 21 E., Coffee County, at bridge on county road 14, 8.2 mi southwest of Enterprise.	23.9	....	5-24-85	30
					7-24-85	a9.8
					8-28-85	21
					9-17-85	a7.2
02362340 Double Bridges Creek	Choctawhatchee River	Lat 31°12'48", long 85°57'28", in SW¼ sec. 21, T. 3 N., R. 21 E., Coffee County, at bridge on county road 59, approximately 5.0 mi southeast of Goodman and 10.2 mi southwest of Enterprise.	72.7	....	5-24-85	56
					7-10-85	a41
					7-24-85	a26
					8-28-85	70
					9-17-85	a22
02363053 Pea River	Choctawhatchee River	Lat 31°28'21", long 85°54'15", in NW¼ sec. 25, T. 6 N., R. 21 E., Coffee County, at bridge on State Highway 167, 10 mi north of Enterprise.	584	....	5-23-85	175
					7-09-85	181
					7-23-85	a54
					8-27-85	135
					9-18-85	a47
02363240 Walnut Creek	Whitewater Creek	Lat 31°43'42", long 85°55'30", in NW¼ sec. 26, T. 9 N., R. 21 E., Pike County, at bridge on county road 63, 8.6 mi south of Troy.	33.9	....	5-23-85	a20
					7-23-85	0
02363280 Whitewater Creek	Pea River	Lat 31°38'12", long 85°55'25", in SW¼ sec. 26, T. 8 N., R. 21 E., Pike County, at bridge on county road 33, 2.6 mi west of Tarentum.	105	1972	7-09-85	a50
					7-23-85	0
02364400 Cripple Creek	Pea River	Lat 31°15'13", long 85°11'58", in SE¼ sec. 1, T. 3 N., R. 18 E., Covington County, at bridge on county road 97, 5 mi southeast of Opp.	6.79	....	7-10-85	0
					7-23-85	0
02365000 Pea River	Choctawhatchee River	Lat 31°01'37", long 85°53'03", in SW¼ sec. 30, T. 1 N., R. 22 E., Geneva County, at bridge on State Highway 27, 1 mi southwest of Geneva.	1,552	1949,	7-11-85	696
				1955,		
				1964,		
				1969		
Yellow River basin						
02367480 Lightwood Knot Creek	Yellow River	Lat 31°17'48", long 86°16'59", in SE¼ sec. 19, T. 4 N., R. 18 E., Covington County, at bridge on county road 42 (Opine Road), 2.0 mi west of Opp.	74.9	1949,	7-11-85	a36
				1951,	7-24-85	a33
				1964,	8-28-85	67
					9-17-85	a24
02367600 Indian Creek	Yellow River	Lat 31°15'17", long 86°17'18", in SW¼ sec. 6, T. 3 N., R. 18 E., Covington County, at bridge on dirt road between Covington county roads 85 and 47, 2.7 mi southwest of Opp.	5.17	1947-49,	7-10-85	0
				1969,	7-23-85	0

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1985--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Mobile River basin						
02403475 Chocco- locco Creek	Coosa River	Lat 33°34'56", long 85°54'21", in NE¼ sec. 4, T. 17 S., R. 7 E., Tallapoosa County, at bridge on dirt road, 6.5 mi from Coldwater and Munford exit on State Highway 21.	251	1948, 1984	11-15-84	a81
02405200 Coosa River	Alabama River	Lat 33°24'33", long 86°20'17", in NW¼ sec. 33, T. 18 S., R. 3 E., St. Clair County, below Logan Martin Dam, 10 mi north of Childersburg.	7,743	1964-84	10-28-84 10-28-84 5-19-85 5-19-85	591 595 647 634
02406947 Tallasee- hatchee Creek	Coosa River	Lat 33°16'13", long 86°16'30", in SW¼ sec. 19, T. 20 S., R. 4 E., Talladega County, at bridge on county highway 4 mi east of Childersburg.	124	1980, 1984	10-29-84 11-15-84 4-18-85	a26 a30 132
02416035 Sugar Creek	Elkahatchee Creek	Lat 32°54'41", long 85°57'13", in NW¼ sec. 10, T. 22 N., R. 21 E., Tallapoosa County, at bridge on Alabama Highway 63 at southern city limits of Alexander City, 0.75 mi from intersection of US 280 and State Highway 63.	1.93	1949, 1980, 1984	10-25-84 11-15-84 4-18-85	a9.0 a7.6 a8.1
02418179 Souga- hatchee Creek	Uphapee Creek	Lat 32°39'37", long 85°27'06", in SW¼ sec. 4, T. 19 N., R. 26 E., Lee County, at bridge on county highway 35, 3 mi northwest of Opelika.	32.5	1978, 1980, 1984	10-25-84 11-15-84 4-22-85	a8.8 a7.3 15
02423160 Cahaba River	Alabama River	Lat 33°36'12", long 86°32'56", in NW¼ sec. 33, T. 16 S., R. 1 E., Jefferson County, at county road crossing, 0.7 mi northwest of Whites Chapel, 3.9 mi north of Leeds and at mile 174.5.	....	1972	3-04-85	85
02423398 Little Cahaba River	Cahaba River	Lat 33°31'25", long 86°34'32", in SE¼ sec. 30, T. 17 S., R. 1 E., Jefferson County, at county road, 2.3 mi southwest of Leeds.	19.4	1943-49, 1952-54, 1964, 1968-69, 1972, 1981	3-04-85	30
02423515 Patton Creek	Cahaba River	Lat 33°23'20", long 86°49'38", in NW¼ sec. 14, T. 19 S., R. 3 W., Jefferson County, at bridge on Pattons Chapel Road, 0.8 mi upstream from Paradise Lake and 1 mi southeast of Bluff Park.	10.5	1956-57, 1964, 1975, 1980, 1984	2-28-85 9-22-85	27 a0.39
02423550 Buck Creek	Cahaba River	Lat 33°17'30", long 86°50'36", in NW¼ sec. 15, T. 20 S., R. 3 W., Shelby County, on State Highway 261 at Helena, 350 ft north of Louisville and Nashville Railroad.	69.9	1984	2-28-85 9-20-85	238 a16
02423601 Shades Creek	Cahaba River	Lat 33°21'21", long 86°53'24", in NE¼ sec. 30, T. 19 S., R. 3 W., Jefferson County, at bridge on county road, 0.8 mi southwest of Parkwood.	44.1	1953, 1955-56, 1968-71, 1984	2-28-85 9-19-85	141 a3.2
02457590 Fivemile Creek	Locust Fork	Lat 33°36'22", long 86°51'16", in N¼ sec. 33, T. 16 S., R. 3 W., Jefferson County, on Coalburg Road, 1 mi north of Coalburg and 3.5 mi west of Fultondale.	50.6	1943-44, 1946, 1952-53, 1984	5-30-85 9-17-85	a27 a21

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1985--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
02460050 Village Creek	Locust Fork	Lat 33°33'58", long 87°00'08", in NW¼ sec. 18, T. 17 S., R. 4 W., Jefferson County, on Shady Grove Road, 1.6 mi north of Booker Heights, and 2.0 mi north of Mulga.	77.9	1973, 1984	5-30-85	a77
					9-17-85	a71
02461700 Valley Creek	Black Warrior River	Lat 33°23'50", long 87°03'33", in NE¼ sec. 16, T. 19 S., R. 5 W., Jefferson County, at bridge on county highway 36.	93.0	1973, 1980, 1984	9-19-85	a74
02464035 Cripple Creek	North River	Lat 33°28'25", long 87°34'06", in NE¼ sec. 22, T. 18 S., R. 10 W., Tuscaloosa County, 0.8 mi upstream from mouth and 2.1 mi east of Samantha Post Office.	16.4	1978-80, 1982-84	10-03-84	a.38
					11-01-84	a2.6
					12-07-84	20
					1-07-85	a4.8
					2-06-85	155
					3-07-85	17
					4-05-85	12
					5-08-85	17
					6-06-85	a1.2
					7-01-85	a1.6
					8-08-85	a3.3
					9-05-85	a2.9
02464100 Dry Creek	Lake Tuscaloosa (North River)	Lat 33°26'19", long 87°33'03", in E¼ sec. 35, T. 18 S., R. 10 E., Tuscaloosa County, at logging road, 0.2 mi upstream from pipeline crossing, and 4.0 mi southeast of Samantha.	.....	1982-84	10-03-84	0
					11-01-84	a.46
					12-07-84	a8.3
					1-07-85	1.6
					2-06-85	61
					3-07-85	7.8
					4-05-85	a5.0
					5-08-85	a4.3
					6-05-85	a.10
					7-02-85	a.11
					8-05-85	a.58
					9-05-85	a.87
9-30-85	a.09					
02464149 Turkey Creek	Lake Tuscaloosa (North River)	Lat 33°24'23", long 87°32'18", in SW¼ sec. 12, T. 19 S., R. 10 W., Tuscaloosa County, 0.9 mi downstream from Long Creek, 1.0 mi northwest of Patterson Chapel, and 2.7 mi upstream from mouth.	.....	1982-84	10-02-84	a1.9
					11-02-84	13
					12-04-84	10
					1-03-85	a5.8
					2-04-85	23
					3-04-85	15
					4-02-85	a8.6
					5-01-85	27
					6-04-85	a2.2
					7-02-85	a2.1
					8-02-85	a8.6
					9-03-85	a4.9
02464360 Binion Creek	Lake Tuscaloosa (North River)	Lat 33°25'24", long 87°38'33", in SW¼ sec. 1, T. 19 S., R. 11 W., Tuscaloosa County, at county road 30 ft downstream from Gin Creek, and 4.6 mi southwest of of Samantha Post Office.	57.0	1982-84	10-04-84	a22
					11-02-84	146
					12-05-84	84
					1-04-85	54
					2-05-85	469
					3-05-85	75
					4-03-85	46
					5-02-85	490
					6-05-85	a17
					7-03-85	a18
					8-05-85	a26
					9-04-85	a32

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1985--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
02464505 Tierce Creek	Lake Tuscaloosa (North River)	Lat 33°22'28", long 87°32'34", in SW¼ sec. 24, T. 19 S., R. 10 W., Tuscaloosa County, at ford on gravel road, 0.2 mi east of State Highway 69, and 10 mi northeast of Northport.	2.17	1983-84	10-03-84	a1.6
					11-02-84	a3.6
					12-05-84	a3.3
					1-03-85	a3.5
					2-05-85	16
					3-05-85	a3.3
					4-03-85	a2.5
					5-02-85	a3.9
					6-05-85	a1.1
					7-03-85	a1.1
					8-06-85	a1.5
					9-04-85	a1.5
02464660 Carroll Creek	Lake Tuscaloosa (North River)	Lat 33°17'41", long 87°34'01", in NE¼ sec. 22, T. 20 S., R. 10 W., Tuscaloosa County, at bridge on State Highway 69, 4.5 mi north of Northport.	20.9	1983-84	10-02-84	a2.4
					11-02-84	25
					12-04-84	24
					1-04-85	17
					2-04-85	36
					3-04-85	25
					4-02-85	17
					5-01-85	23
					6-04-85	a3.2
					7-02-85	a3.0
					8-02-85	a5.3
					9-03-85	a4.9
02464680 Brush Creek	Lake Tuscaloosa (North River)	Lat 33°19'20", long 87°30'00", in NW¼ sec. 8, T. 20 S., R. 9 W., Tuscaloosa County, at bridge on Turner Road, 8.0 mi northeast of Northport.	0.92	1983-84	10-05-84	a1.2
					11-01-84	a1.5
					12-06-84	2.1
					1-09-85	a1.7
					2-06-85	3.2
					3-06-85	a1.9
					4-04-85	a1.5
					5-09-85	a1.7
					6-06-85	a.88
					6-28-85	a.98
					8-06-85	1.3
					9-05-85	a.99
Tennessee River basin						
03575700 Aldridge Creek	Tennessee River	Lat 34°37'26", long 86°32'28", in NE¼ sec. 8, T. 5 S., R. 1 E., Madison County, on downstream side of bridge on abandoned county road, 2.4 mi northeast of Farley and 5.2 mi upstream from mouth.	14.1	*1960-64,	10-22-84	116
0357587728 Dallas Branch	Pinhook Creek	Lat 34°44'44", long 86°34'27", in SE¼ sec. 25, T. 3 S., R. 1 W., Madison County, on Coleman Street, two blocks upstream from Andrew Jackson Way and 6.5 blocks north of Pratt Avenue, and 2.0 mi north of Governors Drive at Huntsville.	2.79	....	10-22-84	a8.6
03575950 Huntsville Spring Branch	Indian Creek	Lat 34°41'24", long 86°35'47", in SE¼ sec. 14, T. 4 S., R. 1 W., Madison County, at bridge on Johnson Road, 2.3 mi southeast of West Station Post Office in Huntsville, and at mile 12.2.	....	1967, 1970-75	10-22-84	196
03575994 McDonald Creek	Huntsville Spring Branch	Lat 34°39'12", long 86°36'46", in NE¼ sec. 34, T. 4 S., R. 1 W., Madison County, at bridge on Martin Road, 1.2 mi upstream from mouth, and 2.6 mi west of Farley Station Post Office in Huntsville.	....	1970-73, 1975	10-22-84	73

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1985--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Tennessee River basin--Continued						
03589450 Sweet- water Creek	Tennessee River	Lat 34°48'24", long 87°39'20", in SW¼ sec. 12, T. 3 S., R. 11 W., Lauderdale County, on bridge structure on Union Avenue, 0.1 mi from East Florence Park, in Florence.	4.92	1953, 1973-74	9-03-85	83.6
					9-09-85	83.3
					9-16-85	82.6
					9-23-85	22
					9-30-85	83.5
03589452 Sweet- water Creek	Tennessee River	Lat 34°47'54", long 87°39'17", in NW¼ sec. 13, T. 3 S., R. 11 W., Lauderdale County, at railroad trestle, 0.3 mi downstream from gage on Union Avenue, and at mile 0.6, in Florence.	5.15	....	9-03-85	83.0
					9-09-85	83.3
					9-16-85	82.9
					9-23-85	45
					9-30-85	82.8

* Operated as a continuous-record station

† Operated as a crest stage station

a Base flow

MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02445327 BOXES CREEK AT COUNTY HIGHWAY 63 NEAR HOWARD, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	ALKA- LILITY FIELD (MG/L AS CaCO ₃)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)
OCT 22...	1000	61	510	7.2	19.0	7.5	67	8.2
NOV 13...	0950	.67	630	7.3	9.5	--	--	--
DEC 02...	1310	3.5	372	6.8	11.5	8.2	49	15
JAN 02...	0940	3.4	347	6.9	11.0	10.2	57	14
FEB 20...	1000	2.2	--	7.6	9.5	--	130	6.0
MAR 22...	1045	2.3	700	7.8	13.5	10.0	130	4.0
MAY 03...	1205	6.3	208	6.6	18.0	--	31	14
JUN 24...	1210	.14	700	7.0	22.0	7.4	120	25
JUL 31...	1125	.31	310	7.1	25.0	7.8	64	9.6

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02462482 TRIBUTARY TO LITTLE YELLOW C NR BOLEY SPRINGS, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	ALKA- LITY FIELD (MG/L AS CACO ₃)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)
OCT								
04...	0920	0.06	18	6.8	12.0	9.6	5	1.5
22...	0900	1.4	21	5.2	19.0	--	2	24
NOV								
13...	1150	.31	37	5.3	9.0	--	2	19
DEC								
06...	1240	2.2	22	5.0	10.0	11.3	2	39
JAN								
02...	1115	.50	40	6.4	10.5	11.4	2	1.5
FEB								
20...	1150	.26	--	5.1	10.5	--	1	15
MAR								
22...	1325	.83	19	5.1	13.0	10.1	2	32
MAY								
03...	1015	3.6	21	4.4	16.0	9.5	0	.0
JUN								
24...	1115	.31	24	5.1	22.5	8.6	2	32
JUL								
31...	1305	2.6	23	5.1	22.0	8.4	2	32

MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464035 CRIPPLE CREEK EAST OF SAMANTHA, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)
OCT													
03...	1615	0.40	1840	7.7	14.5	9.3	90	--	--	980	830	210	110
NOV													
01...	1300	2.6	590	6.9	20.0	8.9	97	--	--	--	--	--	--
DEC													
07...	1415	20	183	6.4	5.5	12.9	102	--	--	--	--	--	--
JAN													
07...	1105	4.8	423	6.8	4.5	13.0	100	95	20	180	150	37	22
FEB													
06...	1030	155	93	6.0	9.0	11.3	97	--	--	--	--	--	--
MAR													
07...	1040	17	340	6.6	11.0	11.3	102	--	--	--	--	--	--
APR													
05...	1305	12	265	7.6	17.5	9.7	102	74	39	110	85	21	13
MAY													
08...	1300	17	244	7.0	18.5	9.2	98	--	--	--	--	--	--
JUN													
06...	1130	1.2	930	7.5	25.0	7.6	90	--	--	--	--	--	--
JUL													
01...	1345	1.6	935	8.2	23.0	9.2	115	--	--	450	390	91	55
AUG													
05...	1455	3.3	780	7.4	24.5	9.1	108	--	--	--	--	--	--
SEP													
05...	1240	2.9	810	7.5	24.0	8.2	96	--	--	--	--	--	--

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY FIELD (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFIDE TOTAL (MG/L AS S)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT												
03...	48	10	0.7	4.7	150	5.8	--	940	14	<.10	9.6	1550
NOV												
01...	--	--	--	--	43	10	--	--	--	--	--	--
DEC												
07...	--	--	--	--	15	12	--	--	--	--	--	--
JAN												
07...	9.4	10	.3	1.6	33	10	<.5	160	4.0	<.10	8.2	--
FEB												
06...	--	--	--	--	7	14	--	--	--	--	--	--
MAR												
07...	--	--	--	--	21	10	--	--	--	--	--	--
APR												
05...	5.0	9	.2	1.3	21	1.0	<.5	94	2.7	<.10	8.0	--
MAY												
08...	--	--	--	--	18	3.5	--	--	--	--	--	--
JUN												
06...	--	--	--	--	74	5.1	--	--	--	--	--	--
JUL												
01...	16	7	.3	3.1	67	.8	<.5	380	6.1	<.10	7.1	--
AUG												
05...	--	--	--	--	55	4.2	--	--	--	--	--	--
SEP												
05...	--	--	--	--	65	4.0	--	--	--	--	--	--

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464035 CRIPPLE CREEK EAST OF SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
OCT 03...	1400	2.1	1.7	--	<.010	<.10	0.04	0.20	<.010	--	<.010
NOV 01...	--	--	--	--	--	--	--	--	--	--	--
DEC 07...	--	--	--	--	--	--	--	--	--	--	--
JAN 07...	260	.36	3.4	<.010	--	<.10	--	.10	<.010	--	<.010
FEB 06...	--	--	--	--	--	--	--	--	--	--	--
MAR 07...	--	--	--	--	--	--	--	--	--	--	--
APR 05...	160	.27	6.3	<.010	--	<.10	--	.50	<.010	--	<.010
MAY 08...	--	--	--	--	--	--	--	--	--	--	--
JUN 06...	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	600	.81	2.6	<.010	--	<.10	--	.30	.050	0.15	<.010
AUG 05...	--	--	--	--	--	--	--	--	--	--	--
SEP 05...	--	--	--	--	--	--	--	--	--	--	--

DATE	BORON, DIS-SOLVED (UG/L AS B)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGA- NESE, SUS-PENDED RECOVERABLE (UG/L AS MN)	MANGA- NESE, DIS-SOLVED (UG/L AS MN)	CYANIDE TOTAL (MG/L AS CN)
OCT 03...	--	200	194	6	1800	100	1700	--
JAN 07...	<20	680	440	240	1300	0	1300	<.01
APR 05...	<20	630	542	88	700	10	690	<.01
JUL 01...	<20	480	470	10	2300	300	2000	<.01

MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464100 DRY CREEK NR SAMANTHA, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO ₃)	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV												
01...	1400	0.46	38	5.6	20.5	8.6	95	--	--	--	--	--
DEC												
07...	1110	8.3	32	5.5	4.5	12.2	94	--	--	--	--	--
JAN												
07...	1520	1.6	32	5.6	5.5	12.3	97	K14	K6	9	2	1.6
FEB												
06...	1200	61	23	5.7	8.0	11.3	95	--	--	--	--	--
MAR												
07...	1340	7.8	26	5.7	11.0	11.1	100	--	--	--	--	--
APR												
05...	0945	5.0	29	6.8	18.0	8.4	80	120	55	9	2	1.6
MAY												
08...	1025	4.3	31	6.5	20.0	7.6	83	--	--	--	--	--
JUN												
05...	1155	.10	44	6.5	26.0	4.9	--	--	--	--	--	--
JUL												
02...	1445	.11	54	7.1	24.5	6.0	85	39	400	17	0	3.4
AUG												
05...	1210	.58	40	6.1	24.5	6.1	72	--	--	--	--	--
SEP												
05...	0930	.87	43	6.4	23.5	5.4	63	--	--	--	--	--
30...	1445	.09	43	6.4	20.0	6.2	67	--	--	--	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CaCO ₃)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	SULFIDE TOTAL (MG/L AS S)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
NOV											
01...	--	--	--	--	--	10	49	--	--	--	--
DEC											
07...	--	--	--	--	--	4	25	--	--	--	--
JAN											
07...	1.2	1.9	30	0.3	0.60	7	34	<.5	4.2	1.9	<.10
FEB											
06...	--	--	--	--	--	4	15	--	--	--	--
MAR											
07...	--	--	--	--	--	5	19	--	--	--	--
APR											
05...	1.2	1.7	27	.3	.70	7	2.1	<.5	5.7	1.6	<.10
MAY											
08...	--	--	--	--	--	9	5.5	--	--	--	--
JUN											
05...	--	--	--	--	--	17	12	--	--	--	--
JUL											
02...	2.1	1.8	18	.2	.70	20	3.1	<.5	2.7	1.9	<.10
AUG											
05...	--	--	--	--	--	15	23	--	--	--	--
SEP											
05...	--	--	--	--	--	16	12	--	--	--	--
30...	--	--	--	--	--	17	13	--	--	--	--

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464100 DRY CREEK NR SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
NOV 01...	--	--	--	--	--	--	--	--	--	--
DEC 07...	--	--	--	--	--	--	--	--	--	--
JAN 07...	7.3	28	23	0.04	0.12	<.010	<.10	0.30	<.010	<.010
FEB 06...	--	--	--	--	--	--	--	--	--	--
MAR 07...	--	--	--	--	--	--	--	--	--	--
APR 05...	8.1	23	25	.03	.31	<.010	<.10	.60	.020	<.010
MAY 08...	--	--	--	--	--	--	--	--	--	--
JUN 05...	--	--	--	--	--	--	--	--	--	--
JUL 02...	7.2	40	33	.05	.01	<.010	<.10	.50	.020	<.010
AUG 05...	--	--	--	--	--	--	--	--	--	--
SEP 05...	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--

DATE	BORON, DIS- SOLVED (UG/L AS B)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	CYANIDE TOTAL (MG/L AS CN)
JAN 07...	<20	1000	650	350	70	6	64	<.01
APR 05...	<20	780	650	130	70	15	55	<.01
JUL 02...	<20	1600	1200	420	440	80	360	<.01

MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464149 TURKEY CREEK NEAR PATTERSON CHAPEL, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
OCT											
02...	1125	1.9	67	6.1	12.0	10.7	100	--	--	24	15
NOV											
02...	1330	13	84	6.4	18.0	9.2	97	--	--	--	--
DEC											
04...	1030	10	118	6.2	7.0	12.1	99	--	--	--	--
JAN											
03...	1130	5.8	60	6.0	7.5	12.0	100	150	170	15	7
FEB											
04...	1115	23	53	5.7	5.0	11.7	91	--	--	--	--
MAR											
04...	1200	15	46	6.0	13.0	10.5	97	--	--	--	--
APR											
02...	0945	8.6	75	6.8	14.5	10.8	--	68	59	28	12
MAY											
01...	1100	27	122	6.7	19.0	9.1	98	--	--	--	--
JUN											
04...	1030	2.2	83	7.0	24.0	8.2	--	--	--	--	--
JUL											
02...	1150	2.1	76	6.9	23.0	8.8	101	69	420	28	14
AUG											
02...	1030	8.6	101	6.7	23.0	8.3	95	--	--	--	--
SEP											
03...	1035	4.9	69	6.9	23.5	8.2	95	--	--	--	--

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFIDE TOTAL (MG/L AS S)
OCT									
02...	4.8	3.0	1.7	13	0.2	0.90	9	14	--
NOV									
02...	--	--	--	--	--	--	5	3.9	--
DEC									
04...	--	--	--	--	--	--	7	8.6	--
JAN									
03...	3.1	1.8	1.8	19	.2	.90	8	15	<.5
FEB									
04...	--	--	--	--	--	--	2	7.7	--
MAR									
04...	--	--	--	--	--	--	5	9.7	--
APR									
02...	5.3	3.5	1.9	13	.2	.90	16	4.9	<.5
MAY									
01...	--	--	--	--	--	--	8	3.1	--
JUN									
04...	--	--	--	--	--	--	14	2.7	--
JUL									
02...	5.3	3.5	2.0	13	.2	.80	14	3.4	<.5
AUG									
02...	--	--	--	--	--	--	10	3.9	--
SEP									
03...	--	--	--	--	--	--	12	2.9	--

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464149 TURKEY CREEK NEAR PATTERSON CHAPEL, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 02...	16	0.00	<.10	6.7	43	39	0.06	0.22	--
JAN 03...	8.8	2.6	<.10	8.2	39	32	.05	.61	<.010
APR 02...	19	1.7	<.10	7.1	56	49	.08	1.3	<.010
JUL 02...	19	1.9	<.10	6.6	55	48	.07	.31	<.010

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
OCT 02...	<.010	0.70	0.68	0.50	1.2	<.010	<.010
JAN 03...	--	<.10	--	.40	--	<.010	<.010
APR 02...	--	<.10	--	.20	--	<.010	<.010
JUL 02...	--	<.10	--	.30	--	.020	<.010

DATE	BORON, DIS- SOLVED (UG/L AS B)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	CYANIDE TOTAL (MG/L AS CN)
OCT 02...	--	330	200	130	50	12	38	--
JAN 03...	<20	2600	2520	76	220	30	190	<.01
APR 02...	<20	500	410	89	210	30	180	<.01
JUL 02...	<20	1000	820	180	190	100	94	.01

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464155 LAKE TUSCALOOSA AT HILLTOP ESTATES LANDING NR NORTHPORT, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED SATURATION (%)	COLIFORM, FECA, 0.7 UM-MP (COLS./100 ML)	STREPTOCOCCI, FECA, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)
OCT 05...	1415	87	6.0	23.0	7.6	87	--	--	25	9	4.4	3.3
JAN 08...	0945	79	6.2	10.5	9.7	87	--	K3	24	14	4.2	3.3
FEB 08...	1230	55	6.4	7.0	11.4	93	K180	370	16	10	2.9	2.2
APR 04...	0920	84	6.8	18.0	9.0	95	--	K6	26	16	4.9	3.3
MAY 09...	0920	55	6.5	21.0	7.1	79	--	--	17	9	3.3	2.2
JUN 27...	1245	89	6.4	31.0	7.6	101	K5	K1	27	14	5.1	3.5

DATE	SODIUM, DIS-SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFIDE TOTAL (MG/L AS S)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)
OCT 05...	3.9	25	0.4	1.1	16	31	--	17	3.7	<.10	6.2
JAN 08...	4.1	26	.4	1.1	10	12	<.5	21	3.8	<.10	6.2
FEB 08...	2.1	21	.2	.90	6	4.6	--	15	2.1	<.10	6.3
APR 04...	3.6	23	.3	.90	10	3.1	<.5	--	--	<.10	6.2
MAY 09...	2.2	20	.2	1.3	8	4.9	<.5	18	2.3	<.10	6.9
JUN 27...	4.6	26	.4	1.1	13	10	--	22	3.8	<.10	6.1

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
OCT 05...	--	52	0.07	<.010	<.10	1.2	--	<.010	<.010
JAN 08...	54	50	.07	<.010	<.10	.50	--	<.010	<.010
FEB 08...	38	35	.05	<.010	.10	.30	0.40	.020	.020
APR 04...	57	--	.08	<.010	<.10	.40	--	<.010	<.010
MAY 09...	42	41	.06	<.010	.10	.40	.50	.050	.020
JUN 27...	67	55	.09	<.010	<.10	.30	--	<.010	<.010

DATE	ARSENIC, DIS-SOLVED (UG/L AS AS)	BORON, DIS-SOLVED (UG/L AS B)	CADMIUM, DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 05...	--	<20	--	--	2200	800	1400	--
JAN 08...	--	<20	--	--	480	300	180	--
FEB 08...	--	<20	--	--	1400	1325	75	--
APR 04...	--	<20	--	--	700	560	140	--
MAY 09...	--	<20	--	--	1500	1390	110	--
JUN 27...	1	<20	<1	1	570	500	73	7

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464155 LAKE TUSCALOOSA AT HILLTOP ESTATES LANDING NR NORTHPORT, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	MANGA-NESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGA-NESE, SUSPENDED RECOVERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)				
OCT 05...	900	--	910	--	--	--	--	--				
JAN 08...	160	10	150	--	--	--	--	--				
FEB 08...	180	30	150	--	--	--	--	--				
APR 04...	140	--	150	--	--	--	--	--				
MAY 09...	170	88	82	--	--	--	--	--				
JUN 27...	650	40	610	<.1	<.1	<.1	<.1	<.1				
DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	ARSENIC DIS-SOLVED (UG/L AS AS)	PCN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	PCB, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DDT, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MATERIAL (UG/KG)
JAN 08...	--	<.01	--	--	--	--	--	--	--	--	--	--
APR 04...	--	<.01	--	--	--	--	--	--	--	--	--	--
MAY 09...	--	<.01	--	--	--	--	--	--	--	--	--	--
JUN 27...	3.2	<.01	1	<1.0	<.1	<.1	<1.0	8.7	26	10	<.1	<.1
DATE	ENDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOT-TOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE, TOTAL IN BOT-TOM MATERIAL (UG/KG)	LINDANE, TOTAL IN BOT-TOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL IN BOT-TOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOT-TOM MATERIAL (UG/KG)	2,4-D, TOTAL IN BOT-TOM MATERIAL (UG/KG)	2,4-DP, TOTAL IN BOT-TOM MATERIAL (UG/KG)	2,4,5-T, TOTAL IN BOT-TOM MATERIAL (UG/KG)	MIREX, TOTAL IN BOT-TOM MATERIAL (UG/KG)	SILVEX, TOTAL IN BOT-TOM MATERIAL (UG/KG)	PER-THANE, TOTAL IN BOT-TOM MATERIAL (UG/KG)
JAN 08...	--	--	--	--	--	--	--	--	--	--	--	--
APR 04...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 09...	--	--	--	--	--	--	--	--	--	--	--	--
JUN 27...	<.1	<.1	<.1	<.1	<.1	<10	<.10	<.1	<.10	<.1	<.1	<1.00

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION	CHEMICAL OXYGEN DEMAND (COD)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCGI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
OCT 04...	1015	22	34	5.7	12.5	10.1	94	--	--	--	10	3
NOV 02...	1010	146	58	6.1	18.0	9.3	98	--	--	--	--	--
DEC 05...	1400	84	46	5.4	7.0	11.2	92	--	--	--	--	--
JAN 04...	1130	55	50	5.8	5.0	12.0	94	--	490	670	20	5
FEB 05...	1050	469	44	5.6	6.0	11.5	92	--	K4400	K2300	12	9
MAR 05...	1135	75	45	5.2	14.0	9.7	93	--	--	--	--	--
APR 03...	0915	46	36	6.8	13.0	10.3	97	--	130	51	12	0
MAY 02...	1100	484	42	6.2	19.5	6.8	74	--	--	--	14	9
JUN 05...	0950	17	50	6.6	24.0	7.1	84	--	--	--	--	--
JUL 03...	0945	18	45	6.8	22.0	8.0	91	13	64	120	15	5
AUG 05...	1025	26	60	6.3	23.0	7.5	86	--	--	--	--	--
SEP 04...	1035	32	44	6.7	23.0	7.5	86	--	--	--	--	--

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFIDE TOTAL (MG/L AS S)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 04...	2.3	1.1	1.3	20	0.2	0.90	7	27	--	3.7
NOV 02...	--	--	--	--	--	--	8	12	--	--
DEC 05...	--	--	--	--	--	--	5	39	--	--
JAN 04...	3.8	2.6	1.5	13	.1	.70	8	25	<.5	15
FEB 05...	2.4	1.4	1.3	17	.2	1.3	3	15	--	9.4
MAR 05...	--	--	--	--	--	--	5	61	--	--
APR 03...	2.5	1.4	1.5	20	.2	.90	11	3.4	<.5	5.1
MAY 02...	2.8	1.6	1.2	15	.1	1.2	5	6.1	<.5	9.4
JUN 05...	--	--	--	--	--	--	1	.5	--	--
JUL 03...	3.3	1.7	1.7	19	.2	.80	10	3.1	<.5	6.8
AUG 05...	--	--	--	--	--	--	19	18	--	--
SEP 04...	--	--	--	--	--	--	12	4.6	--	--

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 04...	2.1	<.10	8.9	27	25	0.04	1.6	--	--
NOV 02...	--	--	--	--	--	--	--	--	--
DEC 05...	--	--	--	--	--	--	--	--	--
JAN 04...	1.8	<.10	6.9	45	42	.06	6.7	--	<.010
FEB 05...	2.1	<.10	4.4	22	25	.03	--	0.17	.030
MAR 05...	--	--	--	--	--	--	--	--	--
APR 03...	2.4	<.10	7.2	24	29	.03	3.0	--	<.010
MAY 02...	2.1	<.10	5.8	25	28	.03	33	.19	.010
JUN 05...	--	--	--	--	--	--	--	--	--
JUL 03...	2.3	<.10	9.0	29	32	.04	1.4	--	<.010
AUG 05...	--	--	--	--	--	--	--	--	--
SEP 04...	--	--	--	--	--	--	--	--	--

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
OCT 04...	<.010	<.10	0.05	0.30	--	<.010	<.010
NOV 02...	--	--	--	--	--	--	--
DEC 05...	--	--	--	--	--	--	--
JAN 04...	--	.10	--	.60	0.70	.020	<.010
FEB 05...	--	.20	--	.70	.90	.090	.060
MAR 05...	--	--	--	--	--	--	--
APR 03...	--	<.10	--	.30	--	.010	<.010
MAY 02...	--	.20	--	.60	.80	.060	.020
JUN 05...	--	--	--	--	--	--	--
JUL 03...	--	.10	--	.40	.50	.010	<.010
AUG 05...	--	--	--	--	--	--	--
SEP 04...	--	--	--	--	--	--	--

MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 04...	--	--	--	--	--	--	1400	1350	51
JAN 04...	--	<20	--	--	--	--	340	200	140
FEB 05...	--	<20	--	--	--	--	3300	3130	170
APR 03...	--	<20	--	--	--	--	1700	1610	94
MAY 02...	--	40	--	--	--	--	2500	2230	270
JUL 03...	<1	<20	<1	3	1	2	1300	920	380

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)
OCT 04...	--	110	39	71	--	--	--	--	--
JAN 04...	--	140	40	100	--	--	--	--	--
FEB 05...	--	410	150	260	--	--	--	--	--
APR 03...	--	250	10	240	--	--	--	--	--
MAY 02...	--	450	70	380	--	--	--	--	--
JUL 03...	4	220	60	160	<.1	<.1	<1	<1	<1

DATE	CYANIDE TOTAL (MG/L AS CN)	ARSENIC DIS- SOLVED (UG/L AS AS)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JAN 04...	<.01	--	--	--	--	--	--	--	--	--	--	--
APR 03...	<.01	--	--	--	--	--	--	--	--	--	--	--
MAY 02...	<.01	--	--	--	--	--	--	--	--	--	--	--
JUL 03...	<.01	<1	<1.0	<1	<.1	<1.0	0.6	0.9	0.5	<.1	<.1	<.1

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)
JAN 04...	--	--	--	--	--	--	--	--	--	--	--
APR 03...	--	--	--	--	--	--	--	--	--	--	--
MAY 02...	--	--	--	--	--	--	--	--	--	--	--
JUL 03...	<.1	<.1	<.1	<.1	<10	<.10	<.1	<.10	<.1	<.1	<1.00

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464400 LAKE TUSCALOOSA AT TIERCE PATTON ROAD NR NORTHPORT, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LITY FIELD (MG/L AS CACO3)
JUN 27...	1100	78	6.3	31.0	7.7	103	K16	K5	10

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFIDE TOTAL (MG/L AS S)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CYANIDE TOTAL (MG/L AS CN)
JUN 27...	9.7	<.5	<.010	<.10	0.20	0.010	<.010	<.01

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464500 NORTH RIVER NEAR TUSCALOOSA, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LITY FIELD (MG/L AS CACO3)
JUN 27...	1000	62	6.4	30.0	7.6	99	K8	K1	7

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFIDE TOTAL (MG/L AS S)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CYANIDE TOTAL (MG/L AS CN)
JUN 27...	5.4	<.5	<.010	<.10	0.40	<.010	<.010	<.01

02464505 TIERCE CREEK NEAR NORTHPORT, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	GOLI- FORM, FECAL, 0.7 UM-MP (COLS./ 100 ML)	STREP- TOCOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO ₃)	HARD- NESS, NONCAR- BONATE (MG/L CaCO ₃)
OCT 03...	1040	1.6	6	5.0	10.5	11.0	98	--	--	2	0
NOV 02...	1210	3.6	18	5.9	17.5	9.6	100	--	--	--	--
DEC 05...	1000	3.3	18	4.5	9.0	11.4	98	--	--	--	--
JAN 03...	1520	3.5	17	4.7	8.5	11.4	97	120	240	4	3
FEB 05...	1435	16	22	5.2	8.5	11.2	95	--	--	--	--
MAR 05...	1505	3.3	16	5.6	14.5	9.7	94	--	--	--	--
APR 03...	1245	2.5	16	6.8	17.5	9.6	100	65	60	4	0
MAY 02...	1505	3.9	18	6.5	18.5	9.4	--	--	--	--	--
JUN 05...	1445	1.1	14	6.4	24.5	8.1	--	--	--	--	--
JUL 03...	1315	1.1	15	6.4	21.5	8.7	99	64	K1600	3	0
AUG 06...	1010	1.5	16	6.2	21.5	9.5	96	--	--	--	--
SEP 04...	1355	1.5	14	6.3	23.0	8.4	97	--	--	--	--

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFIDE TOTAL (MG/L AS S)
OCT									
03...	0.46	0.29	1.0	44	0.3	0.30	2	39	--
NOV									
02...	--	--	--	--	--	--	2	4.9	--
DEC									
05...	--	--	--	--	--	--	0	.0	--
JAN									
03...	.69	.45	1.3	40	.3	.50	1	39	<.5
FEB									
05...	--	--	--	--	--	--	2	24	--
MAR									
05...	--	--	--	--	--	--	2	9.7	--
APR									
03...	.69	.56	1.1	35	.2	.40	4	1.2	<.5
MAY									
02...	--	--	--	--	--	--	5	3.1	--
JUN									
05...	--	--	--	--	--	--	4	3.1	--
JUL									
03...	.60	.41	1.2	43	.3	.20	5	3.9	<.5
AUG									
06...	--	--	--	--	--	--	4	4.9	--
SEP									
04...	--	--	--	--	--	--	4	3.9	--

MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464505 TIERCE CREEK NEAR NORTHPORT, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	PLUO- RIDE, DIS- SOLVED (MG/L AS P)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 03...	0.5	1.7	<.10	6.7	4	12	0.00	--	--
JAN 03...	1.7	2.1	<.10	6.5	18	14	.02	0.17	<.010
APR 03...	1.3	1.7	<.10	6.7	11	15	.02	.07	<.010
JUL 03...	1.3	2.2	<.10	7.1	15	16	.02	.04	<.010

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
OCT 03...	<.010	<.10	0.05	0.20	--	<.010	0.010
JAN 03...	--	<.10	--	1.2	--	<.010	<.010
APR 03...	--	<.10	--	.60	--	<.010	<.010
JUL 03...	--	.10	--	.40	0.50	.030	<.010

DATE	BORON, DIS- SOLVED (UG/L AS B)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	CYANIDE TOTAL (MG/L AS CN)
OCT 03...	--	250	210	38	30	14	16	--
JAN 03...	<20	530	400	130	30	12	18	<.01
APR 03...	<20	440	340	100	30	--	32	<.01
JUL 03...	<20	410	320	88	30	5	25	<.01

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464660 CARROLL CREEK AT ST HWY 69 NR NORTHPORT, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	CHEMICAL OXYGEN DEMAND (COD)	COLI- FORM, FECAL, 0.7 UM-MP (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO ₃)	HARD- NESS, NONCAR- BONATE (MG/L CaCO ₃)
OCT 02...	1515	2.4	24	6.1	13.0	10.6	100	--	--	--	5	0
NOV 02...	1435	25	26	5.8	18.0	9.4	99	--	--	--	--	--
DEC 04...	1345	24	25	4.6	8.5	11.2	94	--	--	--	--	--
JAN 04...	1615	17	26	5.4	7.0	11.7	96	--	220	180	6	2
FEB 04...	1135	36	26	4.7	2.0	13.2	95	--	41	98	5	4
MAR 04...	1530	25	22	5.6	14.0	10.0	96	--	--	--	--	--
APR 02...	1400	17	24	6.5	15.5	9.9	99	--	150	41	6	0
MAY 01...	1440	23	29	6.4	19.5	8.0	87	--	--	--	8	1
JUN 04...	1345	3.2	27	6.6	23.5	8.2	95	--	--	--	--	--
JUL 02...	0845	3.0	28	6.8	20.5	8.7	96	23	75	2400	7	0
AUG 02...	1425	5.3	24	6.3	24.5	8.1	95	--	--	--	--	--
SEP 03...	1425	4.9	24	6.4	23.5	8.0	93	--	--	--	--	--

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFIDE TOTAL (MG/L AS S)
OCT									
02...	1.1	0.65	1.9	40	0.4	0.70	5	7.7	--
NOV									
02...	--	--	--	--	--	--	5	15	--
DEC									
04...	--	--	--	--	--	--	0	.0	--
JAN									
04...	1.2	.70	1.8	37	.3	.70	4	31	<.5
FEB									
04...	1.0	.61	1.4	34	.3	.80	1	39	--
MAR									
04...	--	--	--	--	--	--	3	15	--
APR									
02...	1.3	.73	1.5	31	.3	.80	7	4.3	<.5
MAY									
01...	1.7	.91	1.7	28	.3	1.1	7	5.4	<.5
JUN									
04...	--	--	--	--	--	--	7	3.4	--
JUL									
02...	1.4	.81	2.0	36	.3	.80	7	2.1	<.5
AUG									
02...	--	--	--	--	--	--	5	4.9	--
SEP									
03...	--	--	--	--	--	--	6	4.6	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464660 CARROLL CREEK AT ST HWY 69 NR NORTHPORT, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 02...	0.4	2.7	<.10	7.9	14	18	0.02	0.09	--	<.010	0.20
JAN 04...	1.5	2.8	<.10	8.1	22	19	.03	1.0	<.010	--	.20
FEB 04...	5.3	2.7	<.10	6.7	16	19	.02	1.6	<.010	--	.10
APR 02...	3.6	3.0	<.10	6.9	19	23	.03	.87	<.010	--	<.10
MAY 01...	4.0	2.9	<.10	7.1	16	24	.02	.99	<.010	--	<.10
JUL 02...	3.0	3.1	<.10	7.3	--	23	.03	.19	<.010	--	.30
DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	ARSENIC DIS- SOLVED (UG/L AS AS)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)
OCT 02...	0.19	0.30	0.50	<.010	<.010	--	--	--	--	--	720
JAN 04...	--	.70	.90	.010	<.010	--	<20	--	--	--	4100
FEB 04...	--	.30	.40	.030	.020	--	<20	--	--	--	510
APR 02...	--	.70	--	.010	<.010	--	<20	--	--	--	2100
MAY 01...	--	.50	--	<.010	<.010	--	20	--	--	--	2500
JUL 02...	--	.70	1.0	.030	<.010	1	<20	<1	<1	<1	1600
DATE	IRON, SUS- PENDE RECov- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECov- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECov- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECov- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECov- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)
OCT 02...	690	28	--	40	15	25	--	--	--	--	--
JAN 04...	3900	200	--	110	31	79	--	--	--	--	--
FEB 04...	340	170	--	200	30	170	--	--	--	--	--
APR 02...	1320	780	--	220	60	160	--	--	--	--	--
MAY 01...	1970	530	--	370	130	240	--	--	--	--	--
JUL 02...	1300	260	4	500	410	87	<.1	<.1	<1	<1	<1

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464660 CARROLL CREEK AT ST HWY 69 NR NORTHPORT, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	CYANIDE TOTAL (MG/L AS CN)	CYANIDE DIS- SOLVED (MG/L AS CN)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
JAN 04...	<.01	--	--	--	--	--	--	--	--	--	--	
APR 02...	<.01	--	--	--	--	--	--	--	--	--	--	
MAY 01...	<.01	--	--	--	--	--	--	--	--	--	--	
JUL 02...	<.01	<.01	<1.0	<1	<.1	<1.0	1.1	2.2	0.9	<.1	<.1	
DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)
JAN 04...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 01...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 02...	<.1	<.1	<.1	<.1	<.1	<10	<.10	<.1	<.10	<.1	<.1	<1.00

MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464680 BRUSH CREEK NEAR NORTHPORT, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO ₃)	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
OCT												
05...	1200	1.2	12	5.2	15.0	9.7	95	--	--	2	0	0.38
NOV												
01...	1530	1.5	12	5.8	19.0	9.1	98	--	--	--	--	--
DEC												
06...	0930	2.1	14	4.5	9.0	11.2	97	--	--	--	--	--
JAN												
09...	1045	1.7	13	5.1	7.0	12.2	100	69	29	2	1	.40
FEB												
06...	1425	3.2	19	5.5	8.0	11.5	97	--	--	--	--	--
MAR												
06...	0925	1.9	14	4.4	9.0	11.4	98	--	--	--	--	--
APR												
04...	1340	1.5	13	6.4	18.0	9.3	98	120	130	3	0	.65
MAY												
09...	1500	1.7	13	6.4	16.5	9.4	96	--	--	--	--	--
JUN												
06...	1415	.88	12	6.4	22.5	8.4	95	--	--	--	--	--
28...	1400	.98	14	6.3	21.0	8.6	96	53	590	3	0	.49
AUG												
06...	1300	1.3	12	6.2	21.0	8.7	97	--	--	--	--	--
SEP												
05...	1530	.99	13	6.2	22.5	8.3	94	--	--	--	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CaCO ₃)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	SULFIDE TOTAL (MG/L AS S)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT											
05...	0.27	1.2	52	0.4	0.30	3	37	--	0.7	1.7	<.10
NOV											
01...	--	--	--	--	--	2	6.1	--	--	--	--
DEC											
06...	--	--	--	--	--	0	.0	--	--	--	--
JAN											
09...	.25	1.2	52	.4	.30	1	15	<.5	1.3	1.5	<.10
FEB											
06...	--	--	--	--	--	2	12	--	--	--	--
MAR											
06...	--	--	--	--	--	0	.0	--	--	--	--
APR											
04...	.39	1.1	38	.3	.50	3	2.3	<.5	1.1	1.6	<.10
MAY											
09...	--	--	--	--	--	3	2.3	--	--	--	--
JUN											
06...	--	--	--	--	--	3	2.3	--	--	--	--
28...	.34	1.1	44	.3	.30	3	2.9	<.5	.8	1.7	.20
AUG											
06...	--	--	--	--	--	3	3.7	--	--	--	--
SEP											
05...	--	--	--	--	--	4	4.9	--	--	--	--

MOBILE RIVER BASIN
ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464680 BRUSH CREEK NEAR NORTHPORT, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
OCT 05...	6.5	--	13	0.02	0.04	<.010	<.10	<.10	<.010	0.040
JAN 09...	6.6	--	12	.02	.06	.010	<.10	.50	<.010	<.010
APR 04...	6.7	8	14	.01	.03	<.010	<.10	.60	<.010	<.010
JUN 06...	--	--	--	--	--	--	--	--	--	--
28...	6.6	--	13	.02	.04	<.010	<.10	.40	<.010	<.010

DATE	BORON, DIS- SOLVED (UG/L AS B)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	CYANIDE TOTAL (MG/L AS CN)
OCT 05...	<20	250	180	68	30	10	20	--
JAN 09...	<20	240	160	82	30	0	32	<.01
APR 04...	<20	370	250	120	30	6	24	<.01
JUN 28...	<20	220	100	120	10	0	20	<.01

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

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SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	TEMPER- ATURE (DEG C)
APALACHICOLA RIVER BASIN									
02342500 UCHEE CREEK NEAR FORT MITCHELL, AL (LAT 32 19 00 LONG 085 00 54)									
OCT					MAR				
12...	1120	20	45	21.0	27...	1020	244	54	--
NOV					MAY				
16...	1045	26	70	21.0	08...	1440	235	42	22.0
JAN					JUN				
15...	1310	90	55	7.0	13...	0940	25	56	25.0
FEB					JUL				
15...	0930	334	58	12.0	25...	1320	65	46	28.0
02342933 SOUTH FORK COWIKEE CREEK NEAR BATESVILLE, AL (LAT 32 01 03 LONG 085 17 45)									
OCT					MAR				
12...	1430	1.8	73	20.0	27...	1010	34	89	14.5
NOV					MAY				
16...	1415	4.9	60	20.0	08...	1215	19	104	24.0
JAN					JUN				
15...	1555	14	91	7.5	12...	1455	14	78	26.0
FEB					JUL				
14...	1330	54	88	9.0	25...	1105	7.5	106	27.5
02343300 ABBIE CREEK NEAR HALEBURG, AL (LAT 31 28 24 LONG 085 09 45)									
OCT					MAR				
04...	0900	46	50	17.0	27...	0750	123	46	14.0
17...	0900	71	--	--	MAY				
NOV					08...	0915	51	42	21.0
16...	0950	68	--	17.0	JUN				
JAN					12...	0950	122	54	23.5
10...	0905	97	38	15.5	JUL				
FEB					24...	1350	46	59	27.0
14...	1100	222	44	10.0					
CHOCTAWHATCHEE RIVER BASIN									
02361000 CHOCTAWHATCHEE RIVER NEAR NEWTON, AL (LAT 31 20 30 LONG 085 36 43)									
OCT					MAY				
04...	1150	110	83	18.0	07...	1505	225	59	24.0
NOV					JUN				
16...	1300	206	73	17.5	11...	1530	129	86	28.0
JAN					JUL				
10...	1115	381	49	14.0	25...	1305	271	70	26.5
MAR									
26...	1435	756	51	15.5					
02362240 LITTLE DOUBLE BRIDGES CREEK NEAR ENTERPRISE, AL (LAT 31 16 20 LONG 085 57 30)									
AUG					SEP				
28...	0825	17	35	23.0	17...	1525	5.6	44	21.0
02364570 PANTHER CREEK NEAR HACODA, AL (LAT 31 07 15 LONG 086 11 13)									
OCT					MAY				
03...	1250	1.1	52	13.0	07...	1105	6.7	40	21.0
NOV					JUN				
15...	1220	8.2	45	17.0	11...	1110	4.9	41	23.5
FEB					JUL				
13...	1200	76	48	8.5	24...	0845	4.2	53	24.0
MAR									
26...	1040	29	46	16.0					
ESCAMBIA RIVER BASIN									
02371200 INDIAN CREEK NEAR TROY, AL (LAT 31 48 50 LONG 086 07 15)									
OCT					MAR				
01...	1100	.55	52	19.0	25...	0925	6.7	31	13.5
NOV					MAY				
13...	1020	1.5	48	16.0	06...	0935	4.0	39	17.0
JAN					JUN				
07...	0920	3.7	37	13.5	10...	0955	1.2	53	22.5
FEB					JUL				
11...	0940	20	32	9.0	23...	0930	.42	83	23.5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	TEMPER- ATURE (DEG C)
ESCAMBIA RIVER BASIN--Continued									
02371500 CONECUH RIVER AT BRANTLEY, AL (LAT 31 34 24 LONG 086 15 06)									
OCT					MAR				
01...	1215	34	67	17.0	25...	1105	501	52	17.5
NOV					MAY				
13...	1220	62	64	16.0	06...	1125	266	52	21.0
JAN					JUN				
07...	1110	506	50	13.5	10...	1200	45	138	27.0
FEB					JUL				
11...	1225	2350	50	8.5	23...	1050	44	148	27.0
02372250 PATSALIGA CREEK NEAR BRANTLEY, AL (LAT 31 35 46 LONG 086 24 20)									
OCT					MAR				
01...	1405	40	113	17.0	25...	1300	895	67	17.0
NOV					MAY				
13...	1415	79	90	16.0	06...	1400	324	55	22.0
JAN					JUN				
07...	1330	464	64	13.5	10...	1340	41	149	22.0
FEB					JUL				
12...	0825	1350	63	10.0	23...	1250	48	140	28.0
02373000 SEPULGA RIVER NEAR MCKENZIE, AL (LAT 31 27 47 LONG 086 47 16)									
OCT					MAR				
02...	1015	28	73	19.0	25...	1045	627	38	--
NOV					JUN				
14...	0830	107	60	16.5	27...	0910	48	81	26.0
JAN					JUL				
08...	0950	290	40	14.5	29...	1205	243	47	--
FEB									
12...	1205	1360	50	--					
02374500 MURDER CREEK NEAR EVERGREEN, AL (LAT 31 25 06 LONG 086 59 12)									
OCT					JAN				
02...	1220	92	34	19.0	08...	1320	178	44	14.5
NOV					MAR				
14...	1120	147	30	16.0	25...	1315	244	40	--
MOBILE RIVER BASIN									
02401370 BIG CANOE CREEK NEAR SPRINGVILLE, AL (LAT 33 48 49 LONG 086 22 54)									
JAN					MAY				
24...	1440	29	179	7.5	13...	1520	75	135	22.0
MAR									
04...	1240	82	132	14.5					
02401460 GULF CREEK NEAR ASHVILLE, AL (LAT 33 54 08 LONG 086 14 51)									
JAN					APR				
31...	1155	48	91	8.0	03...	1330	19	112	17.0
MAR					MAY				
04...	1540	27	110	16.0	14...	0950	21	112	20.0
02410000 PATERSON CREEK NEAR CENTRAL, AL (LAT 32 40 54 LONG 086 07 40)									
OCT					APR				
04...	0920	1.1	40	16.0	04...	1125	4.4	50	--
NOV					MAY				
16...	1155	2.0	39	12.5	07...	1405	3.2	48	19.0
JAN					JUN				
16...	0915	2.9	53	3.0	19...	1055	2.1	47	21.5
FEB					JUL				
20...	0855	5.8	50	12.0	24...	1530	.96	40	25.0
MAR									
26...	1625	5.2	48	16.5					

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	TEMPER- ATURE (DEG C)
MOBILE RIVER BASIN--Continued									
02412000 TALLAPOOSA RIVER NEAR HEFLIN, AL (LAT 33 37 22 LONG 085 31 20)									
OCT					MAR				
12...	0755	156	34	18.0	26...	0720	608	41	10.0
NOV					MAY				
30...	0800	436	34	8.5	03...	1110	3000	35	--
JAN					JUN				
15...	0935	356	35	5.0	18...	0950	438	37	22.0
FEB					JUL				
21...	0900	579	44	8.5	23...	1520	319	43	23.0
02413300 LITTLE TALLAPOOSA RIVER NEAR NEWELL, AL (LAT 33 26 14 LONG 085 23 57)									
OCT					MAR				
11...	1050	147	61	19.0	25...	1415	614	54	13.5
NOV					MAY				
29...	1035	586	57	9.5	02...	1325	2650	50	17.0
JAN					JUN				
14...	1520	351	60	4.0	17...	1440	234	54	25.0
FEB					JUL				
20...	1330	488	51	11.0	23...	1240	201	55	24.0
02414500 TALLAPOOSA RIVER AT WADLEY, AL (LAT 33 07 00 LONG 085 33 39)									
OCT					MAR				
11...	1400	150	30	22.0	25...	1100	12400	45	11.0
NOV					MAY				
29...	1320	6210	46	9.0	06...	1455	7200	40	17.0
JAN					JUN				
14...	1220	7290	40	7.0	17...	1120	196	38	21.0
FEB					JUL				
21...	1215	6270	45	8.5	25...	1010	314	40	22.0
02419000 UPHAPEE CREEK NEAR TUSKEGEE, AL (LAT 32 28 36 LONG 085 41 42)									
OCT					MAR				
12...	0810	19	--	20.0	27...	1335	227	83	16.5
NOV					MAY				
15...	1425	31	80	21.0	02...	1350	210	--	23.0
JAN					JUN				
16...	1130	62	110	6.0	13...	1230	28	132	26.0
FEB					JUL				
15...	1240	258	73	9.0	25...	1315	440	100	23.0
02421000 CATOMA CREEK NEAR MONTGOMERY, AL (LAT 32 18 26 LONG 086 17 58)									
OCT					MAR				
11...	1040	1.7	290	18.0	28...	1005	70	188	16.0
NOV					MAY				
28...	1340	31	198	13.0	09...	1040	34	140	22.0
JAN					JUN				
14...	1320	24	220	14.0	27...	1300	2.8	255	29.0
FEB									
22...	1315	63	--	11.5					
02422500 MULBERRY CREEK AT JONES, AL (LAT 32 34 58 LONG 086 54 13)									
OCT					FEB				
01...	0950	76	29	15.0	11...	0925	399	26	8.5
NOV					MAR				
13...	0930	191	25	9.5	25...	0930	260	37	14.5
JAN					JUL				
09...	0825	179	20	5.5	24...	0905	136	26	24.0
02423380 CAHABA RIVER NEAR MOUNTAIN BROOK, AL (LAT 33 28 54 LONG 086 42 46)									
JUN					SEP				
13...	1025	82	190	--	04...	1530	40	180	26.0
JUL									
25...	1035	23	213	25.0					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	TEMPER- ATURE (DEG C)
MOBILE RIVER BASIN--Continued									
02424000 CAHABA RIVER AT CENTREVILLE, AL (LAT 32 56 42 LONG 087 08 21)									
OCT 04...	1020	268	278	16.0	APR 23...	1240	840	200	230
DEC 18...	1400	823	230	16.0	JUN 07...	1000	302	285	27.0
JAN 29...	1525	645	235	7.0	JUL 18...	1145	294	292	27.0
MAR 12...	1100	1030	230	17.0	AUG 29...	1115	495	285	26.0
02424940 OAKMULGEE CREEK NEAR AUGUSTIN, AL (LAT 32 32 01 LONG 087 05 24)									
OCT 01...	1355	23	20	18.0	MAR 25...	1335	256	29	16.0
NOV 13...	1230	246	21	11.0	MAY 06...	1055	129	28	19.5
JAN 09...	1050	199	23	6.0	JUN 12...	1055	80	23	23.5
FEB 11...	1125	498	18	8.0	JUL 24...	1205	49	22	25.0
02425000 CAHABA RIVER NEAR MARION JUNCTION, AL (LAT 32 26 38 LONG 087 10 49)									
OCT 02...	0955	437	191	18.0	MAY 07...	1205	1480	173	22.0
NOV 14...	0830	1180	218	10.0	JUN 12...	1405	1150	152	26.0
JAN 09...	1235	1900	186	6.0	JUL 25...	0845	1080	198	24.5
FEB 12...	0935	4520	101	7.0					
02425200 BIG SWAMP CREEK NEAR ORRVILLE, AL (LAT 32 13 17 LONG 087 09 48)									
NOV 06...	1220	3.5	92	16.0	MAY 02...	1150	17	88	23.0
DEC 11...	1140	11	114	10.0	JUN 04...	1005	1.6	132	26.0
JAN 22...	1040	6.4	105	.5	JUL 02...	1050	1.7	106	24.5
FEB 12...	1250	59	66	7.0	SEP 03...	1235	1.5	102	26.5
MAR 19...	1110	13	66	12.0					
02427700 TURKEY CREEK AT KIMBROUGH, AL (LAT 32 01 15 LONG 087 33 30)									
NOV 08...	0855	9.6	95	12.0	MAY 03...	1440	106	100	21.0
DEC 11...	1500	46	104	10.5	JUN 05...	1755	5.1	130	31.0
JAN 23...	1610	47	150	1.5	JUL 03...	1350	6.1	120	27.0
FEB 15...	1250	85	97	6.5	SEP 05...	1115	18	96	26.0
MAR 20...	1425	45	120	14.0					
02442500 LUXAPALLILA CREEK AT MILLPORT, AL (LAT 33 34 01 LONG 088 05 00)									
OCT 01...	1305	81	31	16.0	APR 24...	1115	1700	35	19.0
NOV 19...	1135	404	33	13.0	JUN 05...	0945	111	33	24.0
DEC 19...	1135	243	32	14.0	JUL 16...	0945	97	32	24.0
JAN 30...	1020	294	31	6.0	AUG 27...	1000	217	30	24.0
MAR 13...	1130	245	30	14.0					

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SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUC- TANCE (US/CM)	TEMPER- ATURE (DEG C)
MOBILE RIVER BASIN--Continued									
02449245 BRUSH CREEK NEAR EUTAW, AL (LAT 32 49 51 LONG 087 58 56)									
OCT 03...	1020	0.11	540	13.0	APR 25...	1410	55	62	23.0
NOV 14...	1425	2.7	95	10.0	JUN 06...	1230	1.6	168	28.0
DEC 20...	1250	12	97	14.0	JUL 17...	0930	1.6	182	28.0
FEB 01...	1210	945	65	6.0	AUG 28...	1045	3.1	172	27.0
MAR 14...	1225	29	63	17.0					
02462000 VALLEY CREEK NEAR OAK GROVE, AL (LAT 33 26 50 LONG 087 07 20)									
OCT 12...	1230	74	550	21.0	APR 09...	1215	122	473	16.0
NOV 26...	1130	85	575	11.0	MAY 16...	1035	107	515	22.0
JAN 10...	1015	92	560	9.0	JUN 25...	1150	101	540	27.5
FEB 20...	1140	228	420	11.5	AUG 08...	1145	407	450	24.5
02465493 ELLIOTTS CREEK AT MOUNDVILLE, AL (LAT 32 59 50 LONG 087 37 20)									
OCT 03...	1335	18	20	13.0	APR 23...	0920	29	23	20.0
NOV 13...	1405	25	20	10.0	JUN 07...	1230	14	28	26.0
DEC 18...	0935	31	21	15.0	JUL 18...	0855	19	24	25.0
JAN 29...	1050	29	20	4.0	AUG 29...	1340	23	23	24.0
MAR 12...	1330	33	20	18.0					
02467500 SUCARNOOCHEE RIVER AT LIVINGSTON, AL (LAT 32 34 25 LONG 088 11 36)									
OCT 03...	0820	127	52	15.0	MAR 27...	0915	458	99	15.0
NOV 14...	1300	214	73	11.5	MAY 06...	1345	412	68	22.5
JAN 10...	0955	308	54	6.5	JUN 13...	0950	258	71	21.5
FEB 13...	0925	2840	48	6.5	JUL 25...	1215	204	54	28.0
02468500 CHICKASAW BOGUE NEAR LINDEN, AL (LAT 32 19 45 LONG 087 47 27)									
OCT 02...	1335	2.5	226	21.0	MAR 26...	1420	82	181	19.0
NOV 15...	0845	20	201	12.0	MAY 07...	0910	22	315	25.5
JAN 10...	0815	57	192	7.0	JUN 13...	0910	5.9	180	26.0
FEB 12...	1625	531	194	6.0	JUL 26...	0845	89	98	26.5
02469800 SATILPA CREEK NEAR COPPEEVILLE, AL (LAT 31 44 39 LONG 088 01 21)									
NOV 07...	1210	41	130	13.5	MAY 03...	0740	160	68	21.5
DEC 11...	1055	134	95	11.5	JUN 05...	0825	16	160	26.0
JAN 23...	1405	107	112	2.0	JUL 03...	0745	20	148	23.5
FEB 14...	1550	238	82	7.0	SEP 05...	0825	73	91	25.0
MAR 20...	0725	115	66	11.5					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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MOBILE RIVER BASIN--Continued									
02471001 CHICKASAW CREEK NEAR KUSHLA, AL (LAT 30 48 10 LONG 088 08 36)									
OCT					MAR				
04...	1030	61	26	16.0	26...	1120	197	28	--
NOV					MAY				
19...	1110	89	24	16.5	02...	1330	501	26	21.5
JAN					JUN				
15...	0745	101	22	6.5	25...	1005	191	29	25.0
FEB					JUL				
14...	0840	286	26	8.0	30...	1245	201	36	--
PASCAGOULA RIVER BASIN									
02479431 POND CREEK NEAR DEER PARK, AL (LAT 31 09 39 LONG 088 21 43)									
OCT					MAR				
04...	1225	.26	20	16.5	26...	0940	12	25	--
NOV					MAY				
19...	1315	6.2	19	17.5	02...	1055	54	31	22.0
JAN					JUN				
14...	1100	7.3	21	7.0	26...	0925	5.4	23	25.0
FEB					JUL				
13...	1530	48	22	7.0	30...	1040	14	22	27.0
TENNESSEE RIVER BASIN									
03572110 CROW CREEK AT BASS, AL (LAT 34 56 03 LONG 085 55 03)									
OCT					MAY				
01...	1430	4.7	292	17.5	15...	1400	334	247	22.0
01...	1450	4.7	292	17.5					
MAR									
06...	0820	192	220	9.5					
03574500 PAINT ROCK RIVER NEAR WOODVILLE, AL (LAT 34 37 27 LONG 086 18 23)									
MAY					JUN				
28...	1225	115	268	23.0	25...	1435	55	270	24.5

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DATE	TIME	TRANS- PARENCY, SECCHI DISK (METERS)	SAMPLE DEPTH (FEET)	SPEC- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAN- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN DIS- SOLVED (MG/L)	COLI- FORM FECAL, 0.7 UM-MF (COLS./ 100 ML)
MOBILE RIVER BASIN								
02441498 TOMBIGBEE RIVER IN COLUMBUS BENDWAY AT COLUMBUS, MS								
AUG 01...	1105	0.60	SURFACE	133	7.7	30.0	9.4	52
			5	134	7.6	28.5	9.0	
			8	139	7.5	28.5	8.0	
332636088281600 TOMBIGBEE RIVER IN COLUMBUS CUT AT SEDIMENTATION RANGE 24A								
AUG 01...	1030	.67	SURFACE	133	7.1	29.5	8.2	95
			5	133	7.2	28.5	7.4	
			10	134	7.1	28.5	7.2	
			14	134	7.0	28.5	7.1	
02443610 TOMBIGBEE RIVER BELOW COLUMBUS AT CAMP PRATT, MS								
AUG 01...	1440	.96	SURFACE	117	8.5	32.5	10.4	150
			5	119	8.8	30.0	12.8	
			6	118	8.4	29.0	11.9	
			8	118	8.2	28.5	9.9	
			9	119	8.2	28.5	9.2	
			10	118	8.4	28.0	7.2	
			11	119	8.4	28.0	6.8	
			12	120	8.0	27.5	4.9	
			13	121	7.8	27.5	3.0	
			14	125	7.6	27.5	1.5	
			15	126	7.8	27.5	1.3	
332220088205200 TOMBIGBEE RIVER IN HARISTON CUT AT SEDIMENTATION RANGE 11A								
AUG 01...	1400	.49	SURFACE	121	8.1	32.0	10.6	--
			5	115	8.3	28.5	10.3	
			6	--	--	28.5	9.6	
			8	--	--	28.5	8.0	
			10	116	7.9	28.5	7.4	
			15	115	7.7	28.5	7.1	
			18	114	7.5	28.5	7.4	
331518088173900 TOMBIGBEE RIVER AT COAL FIRE CREEK BENDWAY								
AUG 02...	0915	.78	SURFACE	122	6.6	29.5	7.5	K5
			5	124	6.8	29.5	7.6	
			8	126	6.5	29.0	7.2	
			9	123	6.6	28.5	5.4	
			10	122	6.6	28.5	6.8	
			13	127	6.6	28.0	4.8	
			15	127	6.5	28.5	4.8	
			16	118	6.6	28.0	4.6	
331511088180800 TOMBIGBEE RIVER IN COAL FIRE CREEK CUT AT GSI GRAIN ELEVATOR								
AUG 02...	0945	.65	SURFACE	147	6.5	29.0	7.1	--
			5	148	6.7	29.0	6.9	
			10	148	6.7	29.0	6.7	
			15	149	6.8	29.0	6.5	
			20	149	6.8	29.0	6.4	
			24	149	6.8	29.0	6.5	
331353088162700 TOMBIGBEE RIVER AT PICKENSVILLE BENDWAY								
AUG 02...	1030	.73	SURFACE	135	6.7	29.5	7.2	K5
			5	134	6.9	29.5	6.7	
			10	137	6.9	29.5	6.5	
			15	138	6.8	29.0	5.6	
			17	139	6.7	28.5	5.2	
			20	138	6.7	28.5	4.4	
			25	139	6.7	28.5	4.2	
			30	138	6.6	28.5	3.9	
			35	138	6.6	28.5	3.9	
			39	139	6.6	28.5	3.4	

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MOBILE RIVER BASIN--Continued								
331408088174300 TOMBIGBEE RIVER IN PICKENSVILLE CUT AT MILE 308.9								
AUG 02...	1005	0.72	SURFACE	140	6.7	29.0	7.2	K5
			5	143	6.8	29.0	7.0	
			10	145	6.9	29.0	6.8	
			15	145	6.9	29.0	6.8	
			17	145	6.9	29.0	6.6	
02444158 TOMBIGBEE RIVER ABOVE ALICEVILLE LOCK AND DAM NEAR PICKENSVILLE								
AUG 02...	1100	.72	SURFACE	134	7.4	30.0	8.5	K43
			5	138	7.4	29.5	7.5	
			10	138	7.4	29.5	6.6	
			15	136	7.0	29.5	6.3	
			20	139	7.0	29.0	5.8	
			25	139	6.8	29.0	5.4	
			30	140	6.8	29.0	5.5	
02444161 TOMBIGBEE RIVER BELOW ALICEVILLE LOCK AND DAM NR PICKENSVILLE								
AUG 02...	1240	.47	SURFACE	136	6.6	29.5	8.8	K13
			5	137	6.7	29.5	8.7	
			10	137	6.8	29.5	8.7	
			14	137	6.9	29.5	8.7	
02444210 TOMBIGBEE RIVER IN BIG CREEK BENDWAY NR PICKENSVILLE								
AUG 02...	1430	.38	SURFACE	87	6.6	32.0	7.9	100
			2	88	6.8	32.0	7.8	
3331056088171600 TOMBIGBEE RIVER IN BIG CREEK CUT AT SEDIMENTATION RANGE 15A								
AUG 02...	1505	.66	SURFACE	136	6.5	30.0	9.6	--
			5	137	6.6	30.0	9.5	
			10	137	6.7	29.5	8.8	
			14	137	6.8	29.5	8.8	
330925088164900 TOMBIGBEE RIVER IN OWL CREEK BENDWAY								
AUG 05...	1150	.54	SURFACE	148	6.8	29.0	9.2	K20
			5	149	7.2	29.0	9.0	
			7	149	7.0	28.5	8.0	
			10	149	7.0	28.5	7.3	
			15	151	7.0	28.5	6.4	
			17	158	6.8	28.5	5.1	
			20	160	6.9	28.0	3.1	
330910088163500 TOMBIGBEE RIVER IN OWL CREEK CUT								
AUG 05...	1220	.53	SURFACE	149	6.7	28.5	7.3	--
			5	150	6.8	28.5	7.4	
			10	150	6.8	28.5	7.0	
			14	150	6.9	28.5	6.9	
330818088171600 TOMBIGBEE RIVER AT SEDIMENTATION RANGE 13A NEAR MEMPHIS								
AUG 05...	1240	.69	SURFACE	149	7.4	29.5	8.8	K16
			5	149	7.5	29.0	8.2	
			10	149	7.4	28.5	7.6	
			15	150	7.2	28.5	7.6	
			18	150	7.1	28.5	7.6	
330417088114100 TOMBIGBEE RIVER IN LUBBUB CREEK BENDWAY								
AUG 06...	0915	.55	SURFACE	131	7.4	29.5	7.6	K33
			5	130	7.2	29.5	7.7	
			7	128	7.3	28.5	7.0	
			10	108	7.2	28.5	5.4	

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DATE	TIME	TRANS- PARENCY, SECCHI DISK (METERS)	SAMPLE DEPTH (FEET)	SPEC- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAN- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN DIS- SOLVED (MG/L)	COLI- FORM FECAL, 0.7 UM-MF (COLS./ 100 ML)
MOBILE RIVER BASIN--Continued								
330410088120600 TOMBIGBEE RIVER IN LUBBUB CREEK CUT AT MILE 290.4								
AUG 06...	0950	0.53	SURFACE	135	7.1	29.5	8.0	--
			5	135	7.4	29.5	8.1	
			10	135	7.4	29.5	7.6	
			13	135	7.8	29.5	7.5	
330302088131200 TOMBIGBEE RIVER IN COCHRANE BENDWAY								
AUG 06...	1025	.51	SURFACE	128	7.0	29.0	8.1	K10
			5	128	7.2	29.5	7.9	
			10	127	7.3	29.5	7.7	
			15	128	7.6	29.5	7.4	
			20	130	7.6	29.5	7.3	
			25	135	7.7	29.5	6.8	
330235088131200 TOMBIGBEE RIVER AT MILE 287.4 IN COCHRANE CUT								
AUG 06...	1230	.55	SURFACE	138	6.9	28.5	7.6	--
			5	138	6.7	28.5	7.4	
			10	138	7.2	28.5	7.1	
			15	138	7.2	28.5	6.9	
			16	138	7.2	28.5	6.7	
330144088135900 TOMBIGBEE RIVER IN WINDHAM LANDING BENDWAY								
AUG 06...	1315	.56	SURFACE	140	7.7	29.0	8.1	K2
			5	140	7.6	29.0	7.5	
			10	140	7.6	29.0	7.0	
			15	139	7.5	28.5	6.4	
			20	140	7.4	28.5	6.2	
			25	139	7.4	28.5	6.2	
			30	139	7.4	28.5	6.0	
			35	140	7.4	28.5	6.0	
			40	141	7.3	28.5	5.7	
			45	141	7.3	28.5	5.7	
330133088134000 TOMBIGBEE RIVER AT MILE 286.2 IN WINDHAM CUT								
AUG 06...	1400	.67	SURFACE	136	7.8	29.0	8.3	--
			5	137	7.6	29.0	8.0	
			10	137	7.5	29.0	7.2	
			15	136	7.4	28.5	6.9	
			18	136	7.4	28.5	6.7	
02447010 TOMBIGBEE RIVER IN COOKS BENDWAY								
AUG 06...	1625	.66	SURFACE	123	7.8	29.0	9.4	K5
			5	120	7.4	29.0	8.1	
			10	120	7.2	28.5	7.5	
			15	118	7.0	28.0	6.4	
325714088091500 TOMBIGBEE RIVER AT MILE 277.9 IN COOKS BEND CUT								
AUG 06...	1550	.67	SURFACE	120	7.9	29.0	9.6	--
			5	122	7.5	29.0	8.5	
			10	121	7.1	28.5	7.2	
			15	120	7.0	28.0	6.6	
			18	120	6.9	28.0	6.4	
325544088115800 TOMBIGBEE RIVER IN WARSAW CUT AT MILE 274.8								
AUG 07...	0915	0.72	SURFACE	120	7.2	28.5	6.7	--
			5	120	7.2	28.5	6.6	
			10	120	7.2	28.0	6.5	
			15	120	7.2	28.0	6.5	

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MOBILE RIVER BASIN--Continued								
325609088114900 TOMBIGBEE RIVER AT WARSAW BENDWAY AT MOUTH OF FENACHE CREEK								
AUG 07...	0945	.67	SURFACE	120	7.0	28.5	6.6	K93
			5	119	7.0	28.5	6.5	
			10	119	7.1	28.5	6.5	
			15	118	7.1	28.0	6.5	
			20	118	7.2	28.0	6.5	
			25	118	7.2	28.0	6.4	
			30	118	7.2	28.0	6.4	
			35	118	7.2	28.0	6.4	
			40	118	7.2	28.0	6.4	
			45	118	7.2	28.0	6.4	
			47	116	7.1	28.0	6.4	
02447020 TOMBIGBEE RIVER ABOVE GAINESVILLE AT SEDIMENTTTION RANGE 1A								
AUG 07...	1130	.85	SURFACE	130	7.0	29.0	6.6	K6
			5	130	7.0	28.5	6.2	
			10	128	7.1	28.5	6.0	
			15	128	7.1	28.5	6.0	
			20	129	7.1	28.5	6.0	
			25	128	7.2	28.5	6.0	
			30	127	7.2	28.5	6.0	
			35	127	7.2	28.5	6.0	
			40	126	7.2	28.5	6.0	
			45	127	7.2	28.5	5.9	
324509088062500 TOMBIGBEE RIVER AT SEDIMENTATION RANGE 5C-C NEAR BOLIGEE								
AUG 09...	1400	.67	SURFACE	148	8.3	31.5	9.5	K3
			5	136	8.4	29.0	9.5	
			10	136	7.8	29.0	8.2	
			15	134	7.7	29.0	8.0	
			20	134	7.7	29.0	7.8	
			24	136	7.6	29.0	7.6	
323718087524600 TOMBIGBEE RIVER IN RATTLESNAKE BENDWAY AT MOUTH OF CONNICO CREEK								
AUG 08...	1400	.66	SURFACE	167	8.2	30.0	8.5	K10
			5	163	8.1	29.0	7.8	
			10	160	7.8	28.5	6.2	
			15	160	7.8	28.5	6.0	
			20	158	7.8	28.5	5.8	
			25	158	7.8	28.5	5.7	
			28	157	7.8	28.5	5.2	
323649087542100 TOMBIGBEE RIVER IN RATTLESNAKE BEND CUT AT MILE 224.0								
AUG 08...	1315	.66	SURFACE	157	7.8	30.0	8.1	--
			5	156	7.8	29.0	7.2	
			10	155	7.8	28.5	6.2	
			15	155	7.8	28.5	6.1	
			20	155	7.9	28.5	6.0	
02466998 TOMBIGBEE RIVER ABOVE DEMOPOLIS LOCK AND DAM AT RIVER MILE 214.0								
AUG 08...	1500	.72	SURFACE	235	7.2	30.0	8.8	25
			5	232	7.2	29.0	8.2	
			10	215	7.2	29.0	8.0	
			15	205	7.2	29.0	7.9	
			20	205	7.3	29.0	7.8	
			25	210	7.3	29.0	7.8	
			30	200	7.4	29.0	7.7	
			35	195	7.3	29.0	7.6	
			40	190	7.3	28.5	7.4	
			45	195	7.3	28.5	7.3	
			50	185	7.3	28.5	7.3	
			55	180	7.3	28.5	7.3	
			58	180	7.3	28.5	7.3	



Figure 7.--Map of Alabama showing location of observation wells.

GROUND-WATER LEVELS

BALDWIN COUNTY

301651087385601. Local number, Bal-2.

LOCATION.--Lat 30°16'51", long 87°38'56", Hydrologic Unit 03160205, in NW¼ sec. 11, T. 9 S., R. 4 E., on State Highway 180, and 3 mi east of Gulf Shores.

OWNER.--Alabama Gulf Utilities.

AQUIFER.--Undifferentiated Sand of Miocene Age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in., depth 130 ft.

DATUM.--Elevation of land-surface datum is 9.0 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.57 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--March to September 1985.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.75 ft below land-surface datum, Sept. 2, 3; lowest recorded, 8.19 ft below land-surface datum, July 4, 1985.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5						---	6.50	6.78	7.84	8.13	6.51	5.28
10						---	7.09	6.90	7.92	7.80	5.88	5.65
15						7.02	6.85	7.16	7.28	7.88	5.93	5.81
20						6.78	7.16	7.27	7.44	7.39	6.00	6.01
25						6.30	6.98	7.35	7.46	6.75	6.11	6.15
EOM						6.25	7.35	7.52	7.88	6.85	5.37	6.15
MAX						---	7.35	7.52	7.92	8.19	6.90	6.34

BUTLER COUNTY

314355086440501. Local number, But-3.

LOCATION.--Lat 31°43'55", long 86°44'05", Hydrologic Unit 03140303, in SW¼ sec. 23, T. 9 N., R. 13 E., at junction county roads 25 and 28, and 9 mi southwest of Greenville.

Owner: U.S. Geological Survey.

AQUIFER.--Nanafalia Formation of Paleocene age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 213 ft, screened 203 to 213 ft.

DATUM.--Elevation of land-surface datum is 370 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.54 ft above land-surface datum. Auxilliary measuring point: Recorder shelter floor 2.96 ft above land-surface datum.

REMARKS.--None.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 69.75 ft below land-surface datum May 14, 1976; lowest recorded, 76.36 ft below land-surface datum, Nov. 17-19, 1983.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 73.77 ft below land-surface datum, Apr. 15, 16; lowest recorded, 75.19 ft below land-surface datum, Sept. 22, 23.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	74.47	74.36	74.20	74.20	74.01	73.92	73.86	73.97	74.33	74.63	74.74	74.83
10	74.46	74.38	74.23	74.21	73.99	73.92	73.89	73.92	74.41	74.61	74.70	74.83
15	74.48	74.45	74.28	74.23	74.00	73.91	73.85	73.99	74.42	74.65	74.80	74.87
20	74.51	74.48	74.28	74.19	74.03	73.91	73.87	74.06	74.46	74.66	74.83	75.17
25	74.56	74.47	74.32	74.18	73.91	73.88	73.87	---	74.53	74.74	74.83	74.93
EOM	74.47	74.35	74.31	74.09	73.92	73.86	73.95	---	74.59	74.66	74.83	74.99
MAX	74.57	74.50	74.41	74.29	74.09	73.94	73.95	---	---	74.74	74.83	75.19

GROUND-WATER LEVELS

255

CHOCTAW COUNTY

315553088273001. Local number, Cho-1.

LOCATION.--Lat 31°55'53", long 88°27'30", Hydrologic Unit 03160201, in SW¼ sec. 11, T. 11 N., R. 5 W., at dirt road 0.05 mi north of junction with county road 14 in Melvin, 9.0 mi northeast of Gilbertown, and 17.7 mi southwest of Butler.

Owner: Ernest Land.

AQUIFER.--Nanafalia Formation of Paleocene age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 1,780 ft, screened 1,760 to 1,780 ft.

DATUM.--Elevation of land-surface datum is 350 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--None.

REVISED RECORDS.--WDR AL-82-1: 1981.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 98.24 ft below land-surface datum, Feb. 11, 1985; lowest recorded, 109.79 ft below land-surface datum, Sept. 14, 1985.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 108.70 ft below land-surface datum, Feb. 11; lowest recorded, 109.79 ft below land-surface datum, Sept. 14.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	109.45	109.13	109.11	109.18	108.94	109.21	109.07	109.10	109.25	109.32	109.46	109.60
10	109.37	109.07	109.10	109.15	109.02	109.20	109.22	109.11	109.28	109.33	109.47	109.60
15	109.19	109.22	109.20	109.17	109.01	109.25	109.00	109.21	109.26	109.47	109.52	109.77
20	109.20	109.31	109.14	109.30	109.06	109.23	109.16	109.18	109.28	109.49	109.52	109.71
25	109.18	109.18	109.28	109.19	108.99	109.23	108.99	109.15	109.28	109.45	109.49	109.54
EOM	109.17	109.09	109.15	108.91	109.02	109.14	109.00	109.19	109.33	109.45	109.49	109.60
MAX	109.51	109.36	109.30	109.30	109.16	109.31	109.28	109.21	109.33	109.51	109.65	109.79

COLBERT COUNTY

344622087375201. Local number, Col-1.

LOCATION.--Lat 34°46'22", long 87°37'52", Hydrologic Unit 06030005, in NW¼ sec. 30, T. 3 S., R. 10 W., at Diamond Alkali Co. plant, 0.2 mi east of State Highway 133, and 2.7 mi northeast of Muscle Shoals.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Port Payne Chert of Early Mississippian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in, depth 265 ft, casing depth unknown, open hole below casing.

DATUM.--Elevation of land-surface datum is 527.8 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--February 1953 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.70 ft below land-surface datum, Mar. 16, 1973; lowest recorded, 40.30 ft below land-surface datum, Nov. 3, 1961.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 6.47 ft below land-surface datum, Feb. 11; lowest recorded, 16.11 ft below land-surface datum, Oct. 4, 5, 6.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.11	10.54	8.82	10.71	9.52	9.80	11.48	9.02	13.32	12.27	14.82	12.40
10	15.12	11.13	9.52	11.03	8.63	10.30	11.77	9.66	13.91	12.84	15.00	12.98
15	15.44	10.84	10.23	11.31	7.61	10.84	12.10	10.50	14.44	13.79	14.95	13.66
20	15.21	8.64	10.51	10.74	8.09	11.23	12.33	11.33	14.12	14.33	9.89	14.18
25	10.03	9.50	9.92	10.98	8.80	10.98	10.57	12.09	14.25	14.55	10.75	14.38
EOM	10.21	8.39	10.32	10.84	9.16	11.23	11.11	12.72	14.62	14.05	11.48	14.32
MAX	16.11	11.13	10.59	11.33	9.78	11.24	12.72	12.72	14.62	14.84	15.17	14.44

GROUND-WATER LEVELS

DALE COUNTY

312239085344901. Local number, Dle-1.

LOCATION.--Lat 31°22'39", long 85°34'49", Hydrologic Unit 03150201, in SW¼ sec. 30, T. 5 N., R. 25 E., at Hunt Airfield (U.S. Army), 0.6 mi west of U.S. Highway 231, and 6.5 mi southeast of Ozark.

Owner: U.S. Army.

AQUIFER.--Clayton Formation of Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 453 ft, screened 433 to 453 ft.

DATUM.--Elevation of land-surface datum is 245 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.70 ft above land-surface datum.

REMARKS.--None.

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

EXTREMES OF PERIOD OF RECORD.--Highest water level recorded, 89.54 ft below land-surface datum, Mar. 17, 18, 1981; lowest recorded, 100.05 ft below land-surface datum, Nov. 21, 1984.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 97.21 ft below land-surface datum, Apr. 15; lowest recorded, 100.05 ft below land-surface datum, Nov. 21.

LOWEST WATER LEVEL FOR THE DAY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	99.46	99.87	99.69	99.33	98.76		97.47	97.63	98.36		---	99.07
10	99.58	99.89	99.66	99.24	98.58		97.55	97.60	98.65		99.82	99.09
15	99.56	99.98	99.69	99.16	98.54		97.31	97.69	98.77		99.86	99.27
20	99.76	99.98	99.57	99.18	---		97.40	97.85	---		99.00	99.29
25	99.88	99.88	99.64	99.04	---		97.34	97.87	---		99.06	99.31
EOM	99.90	99.72	99.48	98.79	---		97.48	98.10	---		98.96	99.44
MAX	99.90	99.98	99.85	99.39	---		---	98.10	---		---	99.47

GREENE COUNTY

325005087532001. Local number, Gre-3.

LOCATION.--Lat 32°50'05", long 87°53'20", Hydrologic Unit 03160113, in SE¼ sec. 33, T. 22 N., R. 2 E., at Greene County warehouse on Roberts Street, Eutaw.

Owner: City of Eutaw.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 407 ft, screened 395 to 407 ft.

DATUM.--Elevation of land-surface datum is 172.14 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.43 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby municipal wells.

PERIOD OF RECORD.--August 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 35.94 ft below land-surface datum, Apr. 2, 1953; lowest recorded, 48.44 ft below land-surface datum, Aug. 29, 1985.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 45.15 ft below land-surface datum, Mar. 4; lowest recorded, 48.44 ft below land-surface datum, Aug. 29.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	46.97	46.01	45.49	45.59	45.69	45.35	45.47	45.61	47.84	47.15	48.10	48.11
10	46.32	46.16	46.20	45.44	45.70	45.47	45.69	45.59	48.02	47.09	47.59	47.77
15	46.16	46.30	46.08	45.39	45.99	45.55	45.66	45.67	47.17	47.17	48.11	47.88
20	46.51	46.16	45.65	45.42	45.66	45.59	45.52	45.92	46.88	47.34	47.66	47.81
25	45.97	45.88	45.62	46.23	45.47	45.36	45.57	46.12	46.76	47.37	48.08	47.57
EOM	45.88	45.83	45.57	46.07	45.32	45.98	45.47	46.75	47.23	47.39	48.20	47.57
MAX	47.19	46.30	46.30	46.28	45.99	46.11	45.86	46.75	48.27	47.52	48.44	48.25

GROUND-WATER LEVELS

257

GREENE COUNTY

325213088092301. Local number, 0-2 (USCE 135A).

LOCATION.--Lat 32°52'13", long 88°09'23", Hydrologic Unit 03160106, in SW¼ sec. 24, T. 22 N., R. 2 W., at dirt road, 0.6 mi north of Tombigbee River, and 3.2 mi north of Gainesville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of alluvial deposits of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in, depth 38 ft, screened 28 to 38 ft.

DATUM.--Elevation of land-surface datum is 112.8 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Missing record from May 21 to September 30 due to recorder malfunction.

PERIOD OF RECORD.--September 1972 to April 1975 (periodic only), June 1975 to September 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.59 ft above land-surface datum, Dec. 11, 1983; lowest recorded, 9.98 ft below land-surface datum, Nov. 30, 1972.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 2.08 ft below land-surface datum, Feb. 25; lowest recorded, 7.33 ft below land-surface datum, Oct. 6-8.

WATER LEVEL, IN FEET ABOVE (-) OR BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.29	5.54	3.28	3.89	2.68	2.85	3.11	3.13				
10	7.14	5.68	3.56	3.92	2.79	2.94	3.17	2.61				
15	7.20	5.77	3.73	4.01	2.79	3.08	2.97	3.17				
20	7.00	5.53	3.82	3.84	2.89	3.16	3.08	3.47				
25	5.95	5.52	3.94	3.90	2.30	3.17	2.97	---				
EOM	6.09	4.85	3.92	3.51	2.59	3.14	3.27	---				
MAX	7.33	6.14	4.76	4.01	2.95	3.20	3.27	---				

HALE COUNTY

324205087352801. Local number, Hal-1.

LOCATION.--Lat 32°42'05", long 87°35'28", Hydrologic Unit 03160113, in SE¼ sec. 17, T. 20 N., R. 5 E., at old city waterworks lot, and about 200 ft east of State Highway 69, Greensboro.

Owner: City of Greensboro.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 278 ft, screened 258 to 278 ft.

DATUM.--Elevation of land-surface datum is 257 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.40 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--November 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 40.12 ft below land-surface datum, Apr. 12, 1962; lowest recorded, 62.87 ft below land-surface datum, Sept. 30, 1985.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 60.32 ft below land-surface datum, Mar. 30 and others; lowest recorded, 62.87 ft below land-surface datum, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	61.76	61.73	61.31	60.75	60.69	60.43	60.32	---	---	61.26	61.95	62.36
10	61.81	61.67	61.20	60.72	60.63	60.40	60.33	---	---	61.40	62.03	62.44
15	61.85	61.61	61.08	60.72	60.57	60.37	60.33	---	60.82	61.55	62.07	62.55
20	61.88	61.54	60.99	60.71	60.54	60.36	60.32	---	60.92	61.70	62.10	62.60
25	61.86	61.49	60.89	60.72	60.51	60.34	60.33	---	61.03	61.78	62.25	62.71
EOM	61.81	61.41	60.82	60.72	60.48	60.32	60.34	---	61.15	61.89	62.33	62.87
MAX	61.88	61.80	61.39	60.81	60.71	60.47	60.34	---	---	61.89	62.33	62.87

GROUND-WATER LEVELS

HOUSTON COUNTY

310132085024001. Local number, Hou-1

LOCATION.--Lat 31°01'32", long 85°02'40", Hydrologic Unit 03130012, in SWkNWk sec. 28, T. 1 N., R. 30 E., 0.15 mi west of County Road 89, 0.8 mi north-northwest of Chattahoochee State Park, and 24.7 mi southeast of Dothan.

AQUIFER.--Ocala Limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 118 ft, cased to 72 ft, open hole below.

DATUM.--Elevation of land surface datum is 130 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.80 ft above land surface datum.

REMARKS.--Water level may be affected by pumping of nearby wells.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 15.68 ft below land surface datum, Apr. 12, 13, 14, 1984; lowest recorded, 27.78 ft below land surface datum, Dec. 28, 29, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 21.72 ft below land surface datum, Oct. 1; lowest recorded, 27.11 ft below land surface datum, Aug. 25, 26, 27, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.98	23.25	24.18	24.99	25.60	25.84	26.11	---	26.44	26.75	26.96	27.02
10	22.22	23.41	24.33	25.09	25.54	25.89	25.99	---	26.51	26.76	27.01	27.03
15	22.43	23.60	24.47	25.22	25.63	25.93	26.00	26.23	26.56	26.80	27.03	27.03
20	22.64	23.77	24.59	25.33	25.70	25.98	---	26.27	26.60	26.85	27.06	27.06
25	22.87	23.90	24.72	25.42	25.76	26.02	---	26.31	26.64	26.90	27.11	27.08
EOM	23.08	24.04	24.88	25.53	25.80	26.06	---	26.37	26.69	26.94	27.04	27.11
MAX	23.08	24.04	24.88	25.53	25.80	26.06	---	---	26.69	26.94	27.11	27.11

JEFFERSON COUNTY

332605086523001. Local number, Jef-1.

LOCATION.--Lat 33°26'05", long 86°52'30", Hydrologic Unit 03150202, in SWk sec. 29, T. 18 S., R. 3 W., at County Road 42, 1.0 mi west of Oxmoor, and 2.9 mi southeast of Midfield.

Owner: Woodward Iron Company.

AQUIFER.--Bangor Limestone of Late Mississippian age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 140 ft, cased to 68 ft open hole below.

DATUM.--Elevation of land-surface datum is 641.94 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.80 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--June 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.75 ft below land-surface datum, Apr. 14, 1980; lowest recorded, 83.04 ft below land-surface datum, Dec. 27, 28, 1954.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 13.50 ft below land-surface datum, Mar. 1-2; lowest recorded, 25.42 ft below land-surface datum, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.15	23.96	20.11	20.05	---	13.85	15.74	18.56	22.21	23.73	20.68	22.90
10	24.44	24.20	18.94	19.80	15.29	14.14	16.61	18.80	22.72	23.97	20.48	23.52
15	24.61	24.63	19.29	19.99	14.71	15.10	17.01	19.41	23.11	24.40	21.02	24.15
20	24.74	24.81	19.73	20.29	14.90	16.14	17.50	20.14	23.06	24.81	20.81	24.57
25	24.18	24.79	20.13	20.60	14.92	15.08	18.05	20.81	23.45	25.03	21.42	24.96
EOM	24.54	21.96	20.37	17.52	13.73	15.21	18.83	21.59	23.47	20.71	22.13	25.42
MAX	24.74	24.84	21.75	20.66	---	16.14	18.83	21.59	23.64	25.10	22.13	25.42

GROUND-WATER LEVELS

259

LIMESTONE COUNTY

344819086581601. Local number, Lim-4.

LOCATION.--Lat 34°48'19", long 86°58'16", Hydrologic Unit 06030002, in SE¼ sec. 5, T. 3 S., R. 4 W., at City Hall on Bryan Street, Athens.

Owner: City of Athens.

AQUIFER.--Fort Payne Chert of Early Mississippian age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 143 ft, cased to 52 ft, open hole below.

DATUM.--Elevation of land-surface datum is 711 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 0.50 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--January 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 10.01 ft below land-surface datum, Mar. 21, 1980;

lowest recorded, 43.09 ft below land-surface datum, Nov. 1, 1968.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 11.58 ft below land-surface datum, Feb. 11, 12;

lowest recorded, 19.21 ft below land-surface datum, Oct. 19.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.03	14.96	13.29	13.11	12.74	13.98	---	14.36	17.74	16.92	16.98	16.36
10	18.74	15.27	13.99	13.57	12.41	14.32	16.17	14.74	18.08	17.49	16.54	16.78
15	19.00	14.73	14.11	14.25	12.48	---	16.26	15.80	17.62	17.78	17.01	16.80
20	18.73	14.51	14.41	14.79	13.40	---	16.10	16.18	16.44	17.95	14.96	17.41
25	15.63	14.70	13.49	14.87	13.47	---	15.67	16.16	16.81	18.12	15.33	17.53
EOM	15.38	12.60	13.57	14.69	13.73	---	16.19	17.43	16.31	16.73	15.71	17.11
MAX	19.21	15.39	14.42	14.98	14.10	---	---	17.43	18.08	18.15	17.01	17.79

MADISON COUNTY

344127086350401. Local number, Mad-2.

LOCATION.--Lat 34°41'27", long 86°35'04", Hydrologic Unit 06030002, in NW¼ sec. 13, T. 4 S., R. 1 W., at northeast end of northeast-southwest runway at Old Huntsville airport and 3.0 mi southeast of Huntsville.

Owner: City of Huntsville.

AQUIFER.--Fort Payne Chert of Early Mississippian age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 168 ft, cased to 56 ft, open hole below.

DATUM.--Elevation of land-surface datum is 613 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--June 1953 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 19.13 ft below land-surface datum, Jan. 31, 1962;

lowest recorded, 44.30 ft below land-surface datum, Sept. 13, 1962.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 27.50 ft below land-surface datum, Feb. 7; lowest recorded, 37.25 ft below land-surface datum, July 24.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	36.89		29.18		---	31.16	34.26		---	36.79	35.25	33.11
10	---		30.92		28.37	31.87	---		36.24	36.95	35.21	33.85
15	---		32.27		28.70	32.42	---		36.46	36.98	34.80	34.33
20	---		33.15		29.60	32.95	---		36.48	37.14	33.37	34.57
25	---		32.63		30.26	33.71	---		36.61	37.22	32.88	34.70
EOM	---		---		30.69	34.01	---		36.81	35.22	31.83	34.76
MAX	---		---		---	34.01	---		---	37.25	35.31	34.76

GROUND-WATER LEVELS

MARENGO COUNTY

323055087504101. Local number, Mag-1.

LOCATION.--Lat 32°30'55", long 87°50'41", Hydrologic Unit 03160201, in SW¼ sec. 24, T. 18 N., R. 2 E., at J. C. Webb Compress Co., Demopolis.

Owner: J. C. Webb Compress Co.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 900 ft, slotted 860 to 900 ft.

DATUM.--Elevation of land-surface datum is 110 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.2 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of nearby wells.

PERIOD OF RECORD.--August 1953 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.15 ft below land-surface datum, Feb. 26, 1954; lowest recorded, 26.85 ft below land-surface datum, Sept. 12, 1979.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 13.55 ft below land-surface datum, Apr. 16; lowest recorded, 23.32 ft below land-surface datum, Aug. 28.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.36	16.87	14.11	14.90	17.09	14.97	14.00	13.80	16.53	18.42	19.60	23.83
10	17.77	16.73	14.64	15.63	16.66	14.87	13.90	13.70	17.42	18.57	21.13	23.83
15	17.64	15.83	14.67	15.76	16.19	14.46	13.67	14.13	17.60	19.10	22.48	23.83
20	17.24	14.96	15.11	16.10	16.33	14.29	14.45	14.41	18.46	19.29	22.48	23.83
25	16.82	14.49	15.10	16.91	15.28	14.07	14.32	14.50	18.40	19.26	23.28	23.83
EOM	16.98	13.80	14.80	16.54	14.96	14.03	14.15	15.17	18.96	18.96	23.83	23.83
MAX	19.04	16.99	15.26	17.23	17.10	14.97	14.53	15.17	18.96	19.51	23.83	23.83

MARION COUNTY

335803087551301. Local number, Mar-1.

LOCATION.--Lat 33°58'03", long 87°55'13", Hydrologic Unit 03160103, in SE¼ sec. 32, T. 12 S., R. 13 W., at 15th Street, and 0.35 mi west of U.S. Highway 78, Guin.

Owner: M. M. Burleson.

AQUIFER.--Sandstone of Pottsville Formation of Early and Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 520 ft, cased to 80 ft, open hole below.

DATUM.--Elevation of land-surface datum is 452 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.00 ft above datum.

REMARKS.--None.

PERIOD OF RECORD.--March 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 3.6 ft below land-surface datum, Mar. 31, 1972; lowest recorded, 11.76 ft below land-surface datum, Nov. 10, 1954.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 5.83 ft below land-surface datum, May 3; lowest recorded, 7.07 ft below land-surface datum, Oct. 7.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.03	6.83	6.61	6.63	6.27	6.34	6.22	6.10	6.36	6.38	6.52	6.64
10	7.03	6.76	6.53	6.57	6.26	6.25	6.38	6.01	6.38	6.32	6.57	6.70
15	6.89	6.89	6.69	6.64	6.18	6.28	6.17	6.12	6.34	6.37	6.67	6.88
20	6.94	6.99	6.58	6.76	6.23	6.27	6.39	6.16	6.34	6.48	6.59	6.85
25	6.84	6.82	6.79	6.63	6.17	6.36	6.26	6.17	6.35	6.49	6.53	6.74
EOM	6.86	6.52	6.62	6.38	6.21	6.28	6.35	6.24	6.42	6.49	6.52	6.83
MAX	7.07	7.02	6.80	6.76	6.49	6.39	6.46	6.27	77.77	6.53	6.68	6.92

GROUND-WATER LEVELS

261

MARSHALL COUNTY

341837086294301. Local number, Mal-4.

LOCATION.--Lat 34°18'37", long 86°29'43", Hydrologic Unit 03160109, in SE¼ sec. 26, T. 8 S., R. 1 E., at U.S. Highway 231, and 0.6 mi south of Arab.

Owner: City of Arab.

AQUIFER.--Sandstone of Pottsville Formation of Early and Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 362 ft, cased to 100 ft, open hole below.

DATUM.--Elevation of land-surface datum is 1,080 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, at land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--January 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 49.50 ft below land-surface datum, May 3, 1984; lowest recorded, 78.72 ft below land-surface datum, Dec. 6, 1978.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 50.27 ft below land-surface datum, Feb. 11; lowest recorded, 54.92 ft below land-surface datum, Oct. 17, 18.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	54.51	52.35	51.58	50.94	50.73	51.70	51.91	52.29	53.28	53.09	52.14	52.25
10	54.77	52.18	51.18	50.92	50.69	50.99	52.00	52.16	53.54	52.92	52.11	52.37
15	54.71	52.12	51.58	51.39	50.66	51.07	51.84	52.04	53.31	53.06	52.28	52.75
20	54.61	52.16	51.19	51.68	51.27	51.58	52.10	52.18	53.46	53.11	52.11	52.99
25	53.45	51.88	51.55	51.95	51.44	52.03	52.11	52.60	53.60	53.14	52.03	53.14
EOM	52.73	51.66	51.77	51.07	51.55	51.78	52.22	52.91	53.61	52.36	52.02	53.35
MAX	54.92	52.71	51.97	52.06	51.55	52.10	52.22	52.91	53.61	53.57	52.28	53.37

MONTGOMERY COUNTY

322040086232501. Local number, Mtg-4.

LOCATION.--Lat 32°20'40", long 86°23'25", Hydrologic Unit 03150201, in SW¼ sec. 20, T. 16 N., R. 17 E., at County Road 54, 1.0 mi southwest of intersection with U.S. Highway 31, and 6.0 mi southwest of Montgomery.

Owner: City of Montgomery.

AQUIFER.--Sand of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 446 ft, screened 408 to 413 ft, 424 to 429 ft, 441 to 446 ft.

DATUM.--Elevation of land-surface datum is 152.8 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of nearby wells. Wells were pumped Mar. 11-14. Missing record from June 11 to Sept. 30 was due to recorder malfunction.

PERIOD OF RECORD.--March 1953 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 39.5 ft below land-surface datum, Apr. 28, 1982; lowest recorded, 135.1 ft below land-surface datum, Oct. 2, 3, 1955.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 43.99 ft below land-surface datum, Mar. 18; lowest recorded, 76.82 ft below land-surface datum, Oct. 1.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	66.05	73.06	61.30	52.78	60.50	46.09	50.58	60.58	72.15			
10	63.74	69.21	59.20	53.31	60.12	46.47	52.19	60.26	73.85			
15	64.65	65.80	58.04	53.00	58.71	46.38	51.59	58.12	---			
20	68.12	64.70	55.32	53.41	57.25	46.32	51.72	60.31	---			
25	69.83	63.96	53.79	61.39	51.76	46.66	53.92	60.33	---			
EOM	71.48	64.46	52.28	61.32	48.15	49.03	59.28	63.69	---			
MAX	76.82	73.53	64.71	61.39	61.24	---	59.28	63.69	---			

GROUND-WATER LEVELS

MONTGOMERY COUNTY

322455086140501. Local number, Mtg-5.

LOCATION.--Lat 32°24'55", long 86°14'05", Hydrologic Unit 03150201, in NW¼ sec. 35, T. 17 N., R. 18 E., at Gunter Air Force Base, on U.S. Highway 231, and 4.7 mi northeast of Montgomery.

Owner: U.S. Air Force.

AQUIFER.--Sand of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 232 ft, screened 215 to 232 ft.

DATUM.--Elevation of land-surface datum is 220.8 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.80 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--January 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 82.78 ft below land-surface datum, Mar. 29, 1972; lowest recorded, 116.97 ft below land-surface datum, Sept. 16, 24, 1963.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 88.98 ft below land-surface datum, Oct. 1; lowest recorded, 92.23 ft below land-surface datum, Aug. 13.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	89.06	89.68	90.03	90.14	90.10	90.04	90.73	91.28	91.15	91.83	92.16	91.95
10	89.09	89.77	90.03	90.14	90.07	90.05	90.97	91.22	91.11	91.96	92.19	91.87
15	89.10	89.92	90.10	90.16	90.06	90.09	90.99	91.19	91.11	92.12	92.21	91.92
20	89.32	90.01	90.11	90.18	90.11	90.21	91.09	91.18	91.20	92.21	92.17	91.84
25	89.45	90.05	90.18	90.11	90.10	90.38	91.13	91.15	91.38	92.14	92.12	91.66
EOM	89.59	90.03	90.19	90.08	90.04	90.58	91.23	91.13	91.60	92.09	91.96	91.65
MAX	89.59	90.06	90.20	90.20	90.12	90.58	91.23	91.28	91.60	92.21	92.23	91.96

PICKENS COUNTY

330116088113101. Local number AA-48 (GW12A).

LOCATION.--Lat 33°01'16", long 88°11'31", Hydrologic Unit 03160106, in NW¼ sec. 34, T. 24 N., R. 2 W., at west side of County Road 13, 5.25 mi southwest of State Highway 14, 0.30 mi north of Tombigbee River, and 8.20 mi south-southwest of Aliceville.

Owner: Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 91 ft, screened 71 to 91 ft.

DATUM.--Elevation of land-surface datum is 135.6 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--September 1974 to January 11, 1978 (periodic only), March 1978 to September 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 12.39 ft below land-surface datum, Dec. 9-10, 1983; lowest recorded, 23.26 ft below land-surface datum, Oct. 3, 1977.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 14.74 ft below land-surface datum, May 5; lowest recorded, 16.11 ft below land-surface datum, Sept. 22-23.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.25	15.67	15.41	15.56	15.35	15.28	15.32	14.82	15.39	15.52	15.63	15.91
10	15.26	15.68	15.46	15.56	15.21	15.30	15.36	15.19	15.50	15.57	15.66	15.96
15	15.27	15.64	15.51	15.57	14.98	15.34	15.27	15.29	15.51	15.59	15.73	16.05
20	15.28	15.61	15.53	15.56	15.31	15.37	15.30	15.38	15.47	15.64	15.70	16.10
25	15.50	15.62	15.57	15.58	15.22	15.33	15.24	15.31	15.52	15.55	15.82	16.03
EOM	15.69	15.41	15.56	15.50	15.14	15.32	15.31	15.33	15.53	15.56	15.83	16.09
MAX	15.76	15.70	15.57	15.60	15.38	15.37	15.37	15.38	15.53	15.66	15.84	16.11

GROUND-WATER LEVELS

263

PICKENS COUNTY

330242088110501. Local number, AA-57 (USCE GW 12E)

LOCATION.--Lat 33°02'42", long 88°11'05", Hydrologic Unit 03160106, in SE¼ sec. 22, T. 24 N., R. 2 W., at west side of dirt road, 0.40 mi northwest of County Road 13, 3.90 mi southwest of State Highway 14, 0.90 mi east of Tombigbee River, and 5.80 mi south-southwest of Aliceville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand and gravel of alluvial deposits of quaternary age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in, depth 14 ft, screened 9 to 14 ft.

DATUM.--Elevation of land-surface datum is 115 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Water level affected by stage of Tombigbee River. Float for water-level recorder may reach maximum extent of travel at floor of recorder housing during periods of high river stage. The highest water level that can be recorded is 1.77 to 1.78 ft above land-surface datum.

PERIOD OF RECORD.--June 1980 to September 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.77 ft (or greater) above land-surface datum many days in some years; lowest water level recorded, 1.44 ft below land-surface datum, Oct. 5, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 1.76 ft (or greater) above land-surface datum, Feb. 12-13, May 4-6 (see remarks); lowest water level recorded, 0.09 ft below land-surface datum, Oct. 7.

WATER LEVEL, IN FEET ABOVE (-) OR BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	.06	-0.19	-0.49	-0.51	-0.52	-1.19	-0.93	-1.56	-0.41	-0.65	-0.57	-0.23
10	-0.03	-0.15	-0.54	-0.48	-0.70	-1.17	-0.93	-1.03	-0.42	-0.48	-0.46	-0.10
15	.07	-0.15	-0.56	-0.41	-0.91	-1.13	-1.02	-0.93	-0.62	-0.35	-0.37	.07
20	-0.06	-0.22	-0.59	-0.40	-0.97	-1.03	-0.93	-0.86	-0.62	-0.39	-0.43	.18
25	-0.18	-0.20	-0.56	-0.36	-1.13	-1.06	-0.97	-0.83	-0.48	-0.63	-0.42	-0.04
EOM	-0.14	-0.28	-0.53	-0.39	-1.08	-0.96	-0.99	-0.56	-0.41	-0.62	-0.31	.07
MAX	.09	-0.14	-0.30	-0.36	-0.46	-0.96	-0.93	-0.56	-0.32	-0.35	-0.31	.23

PICKENS COUNTY

331107088180301. Local number, P-25 (USCE GW 21A).

LOCATION.--Lat 33°11'07", long 88°18'03", Hydrologic Unit 03160106, in SW¼ sec. 34, T. 21 S., R. 17 W., at west side of dirt road, 1.8 mi east of Sardis Church in Mississippi, 0.7 mi west of Big Creek cutoff (Tombigbee River), and 3.5 mi southwest of Pickensville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 137 ft, screened 117 to 137 ft.

DATUM.--Elevation of land-surface datum is 139.8 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.70 ft above land-surface datum.

REMARKS.--Extreme fluctuation Aug. 21-25 due to pumping; record deleted.

PERIOD OF RECORD.--June 1975 to September 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.53 ft below land-surface datum, May 24, 1983; lowest recorded, 6.08 ft below land-surface datum, Oct. 30, 31, Nov. 3, 1978.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 3.57 ft below land-surface datum, Feb. 25; lowest recorded, 4.79 ft below land-surface datum, Sept. 24.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.65	4.31	4.06	4.05	3.82	3.67	3.81	3.78	4.19	4.11	4.28	4.43
10	4.65	4.33	4.03	4.05	3.76	3.71	3.87	3.76	4.25	4.18	4.35	4.49
15	4.65	4.31	4.05	4.09	3.66	3.76	3.81	3.84	3.97	4.26	4.42	4.57
20	4.60	4.28	4.05	4.04	3.68	3.80	3.86	3.92	3.87	4.33	4.32	4.62
25	4.36	4.28	4.09	4.04	3.61	3.79	3.78	3.99	3.98	4.20	---	4.60
EOM	4.36	4.10	4.09	3.91	3.62	3.80	3.83	4.09	4.07	4.24	4.39	4.64
MAX	4.67	4.36	4.09	4.09	3.85	3.81	3.90	4.09	4.25	4.36	---	4.79

GROUND-WATER LEVELS

PICKENS COUNTY

331107088180302. Local number, P-26 (USCE GW 21B).

LOCATION.--Lat 33°11'07", long 88°18'03", Hydrologic Unit 03160106, in SW¼ sec. 34, T. 21 S., R. 17 W., at west side of dirt road, 1.8 mi east of Sardis Church in Mississippi, 0.7 mi west of Big Creek cutoff (Tombigbee River), and 3.5 mi southwest of Pickensville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand of alluvial deposits of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in, depth 14 ft, screened 9 to 14 ft.

DATUM.--Elevation of land-surface datum is 139.8 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--June 1975 to September 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.09 ft above land-surface datum, Mar. 31, 1976; lowest recorded, 13.51 ft below land-surface datum, Dec. 29-31, 1978 and Jan. 3-5, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 0.62 ft below land-surface datum, May 2; lowest recorded, 9.12 ft below land-surface datum, Nov. 13.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.82	9.08	8.43	7.78	4.92	1.87	2.87	1.72	5.26	4.75	6.47	7.22
10	8.90	9.04	8.27	7.70	3.18	2.18	3.24	1.59	5.67	5.23	6.69	7.34
15	8.97	9.09	8.17	7.65	2.34	2.67	2.91	2.56	4.20	5.81	6.91	7.51
20	9.03	9.07	8.05	7.52	2.71	2.91	2.63	3.28	2.95	6.20	6.93	7.64
25	9.07	9.01	8.04	7.33	1.62	3.08	1.49	3.84	3.63	6.28	7.05	7.72
EOM	9.08	8.64	7.88	6.58	1.25	2.88	1.96	4.56	4.27	6.30	7.08	7.84
MAX	9.08	9.12	8.64	7.86	6.21	3.16	3.38	4.56	5.67	6.36	7.12	7.84

PICKENS COUNTY

331351088175001. Local number P-19 (USCE 122A).

LOCATION.--Lat 33°13'51", long 88°17'50", Hydrologic Unit 03160106, in SE¼ sec. 15, T. 21 N., R. 17 W., at south side of dirt road, 0.17 mi west of Pickensville cutoff (Tombigbee River), and 1.8 mi west of Pickensville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 135 ft, screened 125 to 135 ft.

DATUM.--Elevation of land-surface datum is 140 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.40 ft above land-surface datum.

REMARKS.--Float reaches highest point of travel at float stop installed during water year 1983, 1.23 ft above land-surface datum. Missing record Nov. 29 to Feb. 6 was due to recorder malfunction.

PERIOD OF RECORD.--October 1972 to May 1977 (periodic only), March 1978 to September 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.38 ft above land-surface datum, Apr. 14, 1983; lowest recorded, 4.14 ft below land-surface datum, Nov. 14, 15, 16, 1978.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 0.85 ft above land-surface datum Feb. 11 (see remarks); lowest recorded, 0.08 ft above land-surface datum, Oct. 6-8.

WATER LEVEL, IN FEET ABOVE (-) OR BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-0.09	-0.37			---	-0.72	-0.66	-0.76	-0.45	-0.54	-0.45	-0.36
10	-0.10	-0.36			-0.72	-0.70	-0.61	-0.78	-0.41	-0.48	-0.39	-0.32
15	-0.11	-0.35			-0.77	-0.67	-0.66	-0.68	-0.70	-0.41	-0.33	-0.24
20	-0.17	-0.36			-0.72	-0.64	-0.63	-0.63	-0.76	-0.38	-0.45	-0.22
25	-0.36	-0.38			-0.77	-0.65	-0.76	-0.60	-0.68	-0.48	-0.42	-0.25
EOM	-0.33	---			-0.77	-0.67	-0.73	-0.53	-0.59	-0.49	-0.42	-0.23
MAX	-0.08	---			---	-0.63	-0.59	-0.53	-0.41	-0.37	-0.22	-0.21

GROUND-WATER LEVELS

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PICKENS COUNTY

331351088175002. Local number, P-20 (USCE 122B)

LOCATION.--Lat 33°13'51", Long 88°17'50", Hydrologic Unit 03160106, in SE¼ sec. 15, T. 21 S., R. 17 W., at south side of dirt road, 0.17 mi west of Pickensville Cutoff (Tombigbee River), and 1.80 mi west of Pickensville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand and gravel of alluvial deposits of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in, depth 30 ft, screened 25 to 30 ft.

DATUM.--Elevation of land-surface datum is 139.81 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.2 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--October 1972 to November 1973 (periodic only), April 1974 to August 1976, December 1979 to September 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.97 ft above land-surface datum Dec. 8, 1983; lowest recorded, 12.12 ft below land-surface datum, Nov. 30, 1972.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 1.28 ft below land-surface datum, Feb. 11; lowest recorded, 8.82 ft below land-surface datum, Oct. 7-8.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.80	7.61	5.11	4.98	2.33	2.76	3.60	3.15	6.69	6.05	7.20	7.54
10	8.65	7.54	4.96	5.10	2.50	2.96	3.81	3.00	6.96	6.56	7.42	7.73
15	8.76	7.45	5.24	5.19	2.41	3.23	3.55	3.98	4.15	6.99	7.69	7.92
20	8.51	7.30	5.35	4.58	2.72	3.43	3.89	4.70	3.23	7.24	7.30	8.09
25	8.02	7.18	5.47	4.77	2.13	3.27	2.61	5.30	4.71	7.12	7.35	8.02
EOM	7.85	5.64	5.45	3.37	2.40	3.47	3.21	6.06	5.50	6.95	7.32	8.13
MAX	8.82	7.83	5.68	5.37	2.91	3.48	4.28	6.06	6.97	7.33	7.69	8.15

SUMTER COUNTY

325212088121601. Local number, F-9 (131A).

LOCATION.--Lat 32°52'12", long 88°12'16", Hydrologic Unit 03160106, in SW¼ sec. 21, T. 22 N., R. 2 W., at east side County Road 85, 0.10 mi southwest of Springhill Church, 1.35 mi east of Tombigbee River, and 4.2 mi northwest of Gainesville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 390 ft, slotted 370 to 390 ft.

DATUM.--Elevation of land-surface datum is 140.6 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.60 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--October 1972 to January 1978 (periodic only), March 1978 to September 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 12.37 ft below land-surface datum, Apr. 2, 1973; lowest recorded, 16.83 ft below land-surface datum, Sept. 19-22, 1985.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 15.43 ft below land-surface datum, Feb. 25; lowest recorded, 16.83 ft below land-surface datum, Sept. 19-22.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.53	16.02	15.74	15.92	15.69	15.54	15.66	15.82	16.02	16.02	16.26	16.44
10	16.53	15.99	15.75	15.89	15.67	15.56	15.72	15.70	16.04	16.10	16.30	16.57
15	16.48	16.03	15.79	15.91	15.60	15.61	15.73	15.81	15.94	16.17	16.33	16.75
20	16.43	15.99	15.82	15.95	15.59	15.65	15.88	15.84	15.88	16.22	16.31	16.83
25	16.15	15.97	15.89	15.91	15.49	15.68	15.76	15.87	15.93	16.21	16.35	16.74
EOM	16.10	15.85	15.88	15.74	15.52	15.67	15.80	15.92	15.97	16.17	16.38	16.74
MAX	16.54	16.10	15.90	15.95	15.78	15.71	15.88	15.92	16.05	16.24	16.38	16.83

GROUND-WATER LEVELS

SUMTER COUNTY

325215088111301. Local number, F-10 (USCE 132A).

LOCATION.--Lat 32°52'15", long 88°11'13", Hydrologic Unit 03160106, in SW¼ sec. 22, T. 22 N., R. 2 W., at north side of dirt road, 1.0 mi east of Springhill Church, 0.35 mi east of Tombigbee River, and 3.7 mi northwest of Gainesville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 370 ft, slotted 350 to 370 ft.

DATUM.--Elevation of land-surface datum is 162.82 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Extreme fluctuation Aug. 20-27 due to pumping; record deleted.

PERIOD OF RECORD.--October 1972 to March 1973 (periodic only), March 1973 to September 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 34.18 ft below land-surface datum, Mar. 27, 1973; lowest, 39.94 ft below land-surface datum, Sept. 19, 20, 22, 1985.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 38.95 ft below land-surface datum, Feb. 11; lowest recorded, 39.94 ft below land-surface datum, Sept. 19, 20, 22.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.76	39.45	39.24	39.32	39.09	39.11	39.10	39.14	39.43	39.45	39.59	39.81
10	39.77	39.44	39.24	39.31	39.11	39.10	39.17	39.07	39.46	39.48	39.64	39.85
15	39.72	39.48	39.29	39.32	39.08	39.14	39.10	39.17	39.38	39.54	39.68	39.92
20	39.69	39.48	39.27	39.36	39.13	39.15	39.16	39.23	39.29	39.55	39.66	39.94
25	39.48	39.43	39.33	39.33	39.02	39.15	39.11	39.26	39.36	39.57	---	39.85
EOM	39.50	39.33	39.30	39.19	39.06	39.11	39.16	39.34	39.41	39.54	39.75	39.89
MAX	39.79	39.51	39.35	39.36	39.18	39.17	39.18	39.34	39.46	39.57	---	39.94

TUSCALOOSA COUNTY

331045087342501. Local number, Tus-4.

LOCATION.--Lat 33°10'45", long 87°34'25", Hydrologic Unit 03160113, in NW¼ sec. 34, T. 21 S., R. 10 W., at dirt road, 0.2 mi southeast of City Water Works Filter Plant South, and 1.0 mi southwest of Greensboro Avenue, Tuscaloosa.

Owner: City of Tuscaloosa.

AQUIFER.--Sand of Coker Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 73 ft, screened 67 to 73 ft.

DATUM.--Elevation of land-surface datum is 150 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to December 1984 the elevation of land-surface datum was 160 ft. Measuring point: Top of casing, 5.00 ft above land-surface datum. Prior to December 1984 measuring point was the top of the casing, 1.60 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of nearby wells.

PERIOD OF RECORD.--August 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.61 ft below land-surface datum, Mar. 1, 1985; lowest recorded, 35.9 ft below land-surface datum, Dec. 5, 1969.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 7.61 ft below land-surface datum, Mar. 1; lowest recorded, 20.80 ft below land-surface datum, Oct. 7.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.80		---	8.59	8.17	7.87	8.01	7.90	8.34	8.50	8.66	8.85
10	20.76		8.16	8.64	8.03	7.86	8.09	7.84	8.44	8.49	8.75	8.89
15	---		8.35	8.70	7.96	7.98	7.98	7.92	8.33	8.54	8.83	9.00
20	---		8.37	8.82	8.07	8.03	8.03	8.04	8.36	8.64	8.64	9.03
25	---		8.58	8.84	7.89	8.08	8.00	8.13	8.40	8.65	8.73	9.01
EOM	---		8.51	8.67	7.74	8.01	8.03	8.22	8.50	8.56	8.78	9.06
MAX	---		---	8.85	8.47	8.11	8.13	8.22	8.50	8.65	8.83	9.13

GROUND-WATER LEVELS

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NOXUBEE COUNTY, MISSISSIPPI

331426088192202. Local number, E-26 (USCE 121B).

LOCATION.--Lat 33°14'26", long 88°19'22", Hydrologic Unit 03160106, in SE¼ sec. 14, T. 16 N., R. 19 E., at south side dirt road, 1.8 mi northwest of Pickensville cutoff (Tombigbee River), and 3.4 mi west of Pickensville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand of alluvial deposits of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in, depth 30 ft, screened 20 to 30 ft.

DATUM.--Elevation of land-surface datum is 146.64 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.20 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--Sept. 1972 to May 25, 1977 (periodic only), July 1977 to September 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.52 ft below land-surface datum, Apr. 13, 1979; lowest recorded, 11.02 ft below land-surface datum, Nov. 30, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 5.95 ft below land-surface datum, Mar. 4; lowest recorded, 10.92 ft below land-surface datum, Nov. 13-16.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.56	10.86	9.84	8.89	7.69	5.97	6.51	6.01	7.30	7.27	7.87	8.30
10	10.67	10.89	9.53	8.84	6.99	6.02	6.60	6.18	7.52	7.43	7.96	8.40
15	10.76	10.92	9.28	8.81	6.43	6.18	6.65	6.41	7.13	7.61	8.10	8.54
20	10.84	10.88	9.11	8.76	6.29	6.29	6.69	6.60	7.00	7.75	8.11	8.70
25	10.76	10.84	9.02	8.67	6.31	6.39	6.50	6.80	6.84	7.77	8.16	8.84
EOM	10.87	10.35	8.95	8.54	6.15	6.45	6.19	7.06	7.10	7.81	8.22	8.98
MAX	10.87	10.92	10.21	8.93	8.39	6.45	6.73	7.06	7.52	7.86	8.22	8.98

MISCELLANEOUS WATER-LEVEL MEASUREMENTS OF WELLS

OCTOBER 1984 TO SEPTEMBER 1985

Station Number	Local Identifier	Latitude	Longitude	Aquifer	Depth of well (feet)	Altitude of Land Surface (feet)	Water Level Above (-) or Below Land Surface (feet)	Date of Measurement
GREENE COUNTY								
324930088063501	W3	32 49 30	88 06 35	Eutaw	227	110.1	-8.32 -8.54 -8.90 -8.50	11-14-84 2-04-85 5-21-85 8-19-85
324930088063502	W4	32 49 30	88 06 35	Alluvium	32	109.6	10.98 8.75 4.94 8.33	11-14-84 2-04-85 5-21-85 8-19-85
325150088092901	01	32 51 50	88 09 29	Alluvium	28	117	8.80 7.50 7.99 9.44	11-14-84 2-04-85 5-21-85 8-20-85
325240088082001	P13	32 52 40	88 08 20	Alluvium	27	113	1.21 -1.69 -0.75 2.44	11-14-84 2-04-85 5-21-85 8-19-85
325426088092301	GW2	32 54 26	88 09 23	Alluvium	38	120.2	5.0 3.79 7.05	2-04-85 5-21-85 8-19-85
325454088092901	GW3	32 54 54	88 09 29	Alluvium	31	117.2	4.1 4.79 6.85	2-04-85 5-21-85 8-19-85
325831088090201	GW6	32 58 31	88 09 02	Alluvium	22.7	126.4	4.9 4.99 7.94	2-04-85 5-21-85 8-20-85
325833088095101	GW5	32 58 33	88 09 51	Alluvium	17.4	124.5	1.7 3.62 4.6	2-04-85 5-21-85 8-20-85
325957088095201	GW9	32 59 57	88 09 52	Alluvium	20.2	123.1	6.9 5.79 7.43	2-04-85 5-21-85 8-20-85
330011088101701	GW11	33 00 11	88 10 17	Alluvium	21.9	118.8	8.3 9.53 9.57	2-04-85 5-21-85 8-20-85
330125088104601	GW13	33 01 25	88 10 46	Alluvium	19.3	132.3	6.7 5.91 8.42	2-04-85 5-21-85 8-22-85
PICKENS COUNTY								
330007088114001	GW10	33 00 07	88 11 40	Alluvium	25.3	125.1	13.05 11.7 13.03	2-05-85 8-21-85 8-20-85
330116088113102	AA49	33 01 16	88 11 31	Eutaw	18	135.8	10.31 10.50 9.14 10.03	11-14-84 2-04-85 5-21-85 8-22-85
330158088140401	GW14	33 01 58	88 14 04	Alluvium	22.8	125.3	11.5 10.46 11.7	2-05-85 5-20-85 8-20-85
330212088143801	GW15	33 02 12	88 14 38	Alluvium	18.7	124.3	2.05 3.03 4.97	2-05-85 5-20-85 8-20-85
330240088105901	AA55	33 02 40	88 10 59	Eutaw	125	140	21.90 21.00 20.30 21.07	11-13-84 2-04-85 5-21-85 8-22-85
330240088105902	AA56	33 02 40	88 10 59	Alluvium	19	140	11.90 11.05 9.60 11.30	11-13-84 2-04-85 5-21-85 8-22-85

MISCELLANEOUS WATER-LEVEL MEASUREMENTS OF WELLS--Continued

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OCTOBER 1984 TO SEPTEMBER 1985

Station Number	Local Identifier	Latitude	Longitude	Aquifer	Depth of well (feet)	Altitude of Land Surface (feet)	Water Level Above (-) or Below Land Surface (feet)	Date of Measurement
PICKENS COUNTY--Continued								
330420088131101	GW16	33 04 20	88 13 11	Alluvium	38.4	131.0	11.2 10.28 12.06	2-05-85 5-20-85 8-20-85
330506088125301	GW17	33 05 06	88 12 53	Alluvium	47.5	129.5	7.45 8.0 9.2	2-05-85 5-20-85 8-20-85
330511088132801	GW18	33 05 11	88 13 28	Alluvium	36	132.9	8.7 8.05 9.71	2-05-85 5-20-85 8-20-85
330648088172101	GW20	33 06 48	88 17 21	Alluvium	24.0	169.3	13.1 12.67 14.1	2-06-85 5-20-85 8-21-85
330811088144901	GW19	33 08 11	88 14 49	Alluvium	41.0	134.1	3.7 3.79 6.05	2-04-85 5-20-85 8-22-85
330812088174101	GW21	33 08 12	88 17 41	Alluvium	10.5	143.1	1.6 4.35 7.15	2-06-85 5-20-85 8-21-85
330817088160701	GW23B	33 08 17	88 16 07	Alluvium	28.1	136.2	10.2 7.63 9.71	2-04-85 5-20-85 8-22-85
330920088160101	GW24	33 09 20	88 16 01	Alluvium	30	142.3	13.2 11.83 13.11	2-04-85 5-20-85 8-22-85
331346088155801	P23	33 13 46	88 15 58	Eutaw	230	222	77.21 77.50 76.88 77.21	11-13-84 2-04-85 5-20-85 8-21-85
331346088155802	P24	33 13 46	88 15 58	Eutaw	180	222	80.50 80.60 79.64 80.11	11-13-84 2-04-85 5-20-85 8-21-85
331350088161901	P21	33 13 50	88 16 19	Eutaw	195	155	12.35 12.50 12.23 12.37	11-13-84 2-04-85 5-20-85 8-21-85
331350088161902	P22	33 13 50	88 16 19	Eutaw	66	160	23.67 23.75 23.69 23.78	11-13-84 2-04-85 5-20-85 8-21-85
SUMTER COUNTY								
325139008102801	F11	32 51 39	88 10 28	Alluvium	21	11.1	5.50 1.05 2.26 5.52	11-14-84 2-05-85 5-21-85 8-20-85
325636088115101	GW4	32 56 36	88 11 51	Alluvium	23.4	122.3	7.25 5.25 7.78	2-05-85 5-21-85 8-20-85
325813088105601	GW7	32 58 13	88 10 56	Alluvium	32.4	122.0	5.65 4.8 6.58	2-05-85 5-21-85 8-20-85
NOXUBEE, MS								
331426088192201	E25	33 14 26	88 19 22	Eutaw	28	140	5.35 4.65 4.74 5.07	11-13-84 2-06-85 5-20-85 8-21-85
331600088195001	GW28	33 16 00	88 19 50	Alluvium	24.5	142.8	1.2 4.77 6.97	2-06-85 5-20-85 8-21-85
331633088190701	GW29	33 16 33	88 19 07	Alluvium	35.1	146.2	7.8 8.37 10.44	2-06-85 5-20-85 8-21-85

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

STATION NUMBER	LOCAL IDENTIFIER	AQUIFER	DEPTH OF WELL (FEET)	DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	HARDNESS (MG/L AS CaCO3)
PICKENS COUNTY										
325150088092901	O 1	Alluvium	28	8/20/85	0830	42	6.8	20.0	30	15
330242088110501	AA 57	Alluvium	14	8/22/85	0930	172	7.9	19.5	100	13
331107088180301	P 25	Eutaw	137	8/21/85	1030	400	9.0	20.0	400	8
331107088180302	P 26	Alluvium	14	8/21/85	0915	72	6.0	22.5	150	19
331351088175001	P 19	Eutaw	135	8/21/85	1515	290	8.4	18.5	55	5
331351088175002	P 20	Alluvium	30	8/21/85	1600	86	5.6	18.5	5	21

SUMTER COUNTY										
325215088111301	P 10	Eutaw	370	8/20/85	1245	2300	8.2	20.0	10	27

HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM AD-SORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SOLIDS, SILICA, DIS-SOLVED (MG/L AS SiO2)
--	---------------------------------	------------------------------------	---------------------------------	----------------	--------------------------	-----------------------------------	--------------------------------	---	----------------------------------	-----------------------------------	----------------------------------	---

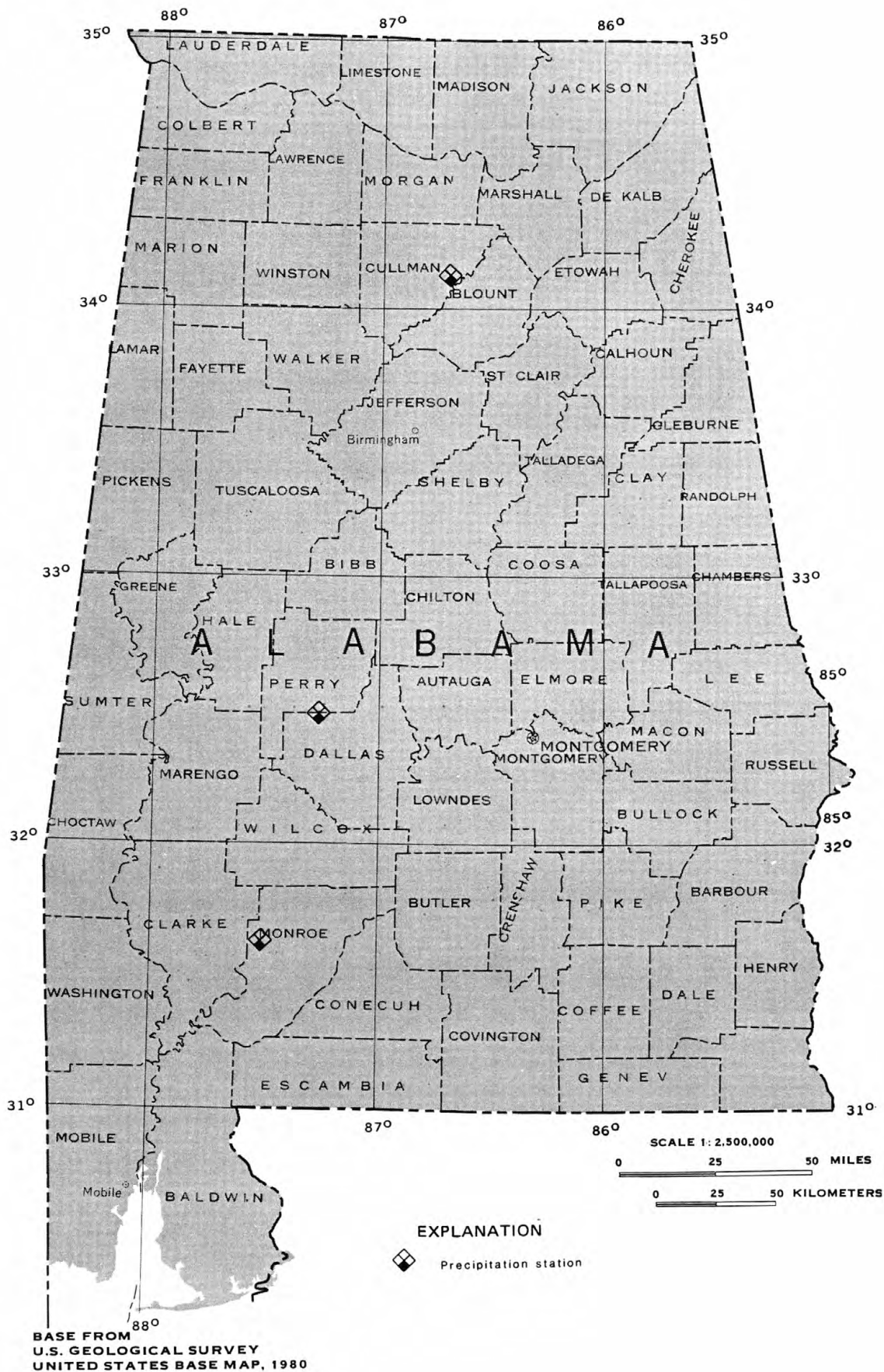
PICKENS COUNTY												
2	5.5	0.34	1.4	16	0.2	0.70	13	4.0	5.4	1.2	<.10	7.8
0	4.2	.66	33	83	42	1.5	81	2.0	5.5	2.4	.30	13
0	2.5	.50	88	94	4	3.3	290	.5	14	5.9	.30	4.4
0	6.8	.47	4.0	31	14	.50	23	45	4.1	2.7	<.10	17
0	1.5	.32	64	95	.4	1.9	150	1.1	.4	3.4	.40	11
11	6.8	.95	5.6	35	13	1.1	10	49	2.6	17	.40	13

SUMTER COUNTY												
0	7.3	2.2	490	97	42	4.3	370	4.5	<.2	530	3.0	11

RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)
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PICKENS COUNTY										
31	30	0.04	<.10	--	1900	1800	62	90	80	11
108	110	.15	<.10	--	3700	3700	37	100	60	42
288	293	.39	<.10	--	350000	350000	40	8000	8000	7
52	52	.07	<.10	23	5000	2600	2400	140	10	130
172	166	.23	<.10	--	20000	20000	49	410	400	11
54	54	.07	<.10	--	8200	6300	1900	100	10	86

SUMTER COUNTY										
1370	--	1.9	<.10	--	550	530	20	<10	--	<10



PRECIPITATION-QUALITY DATA

CULLMAN COUNTY

341032086340601 PRECIPITATION STATION NEAR HOLLY POND, AL

LOCATION.--Lat 34°10'32", long 86°34'06", Hydrologic Unit 03160109, NE¼SE¼SE¼ sec. 7, T. 10 S., R. 1 E., in Cullman County.

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

INSTRUMENTATION.--Recording precipitation gage and automatic sample collector.

REMARKS.--Daily samples are collected at 0700 a.m.

WATER-QUALITY DATA, OCTOBER 1984 TO SEPTEMBER 1985

BEGINNING- ENDING DATE 1/	PRECIPI- TATION (INCHES)	SPE- CIFIC CON- DUCT- ANCE FIELD (UMHOS)	PH FIELD (UNITS)	ACIDITY (MG/L AS H)	ALKA- LILITY LAB (MG/L AS CACO3)	CALCIUM, DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
OCT									
07-08...	0.18	80	3.59	--	<1	0.35	0.14	1.3	--
08-09...	.35	28	3.92	0.3	<1	.16	.05	.21	0.03
09-10...	3.12	8	4.70	.2	1	.06	.01	.03	.02
15-16...	.08	16	5.30	--	--	--	--	.18	--
16-17...	.75	5	4.92	.1	2	.03	.01	.08	.03
19-20...	1.37	16	4.32	.2	<1	.05	.02	.09	<.01
21-22...	.63	6	4.96	.4	2	.10	.03	.19	.03
22-23...	2.72	6	4.45	.2	2	.07	.03	.13	.01
23-24...	.97	8	4.55	.2	1	.08	.02	.13	.03
27-28...	.51	6	4.60	.3	1	.13	.02	.04	.02
28-29...	.10	12	4.58	--	1	--	--	.07	--
NOV									
01-02...	.91	10	4.30	.2	1	.08	.01	.05	.02
03-04...	.18	24	4.10	--	1	1.3	.13	--	--
04-05...	.14	32	4.34	--	1	.35	.03	--	--
10-11...	.41	14	4.30	.2	1	.18	.05	.46	.03
15-16...	.61	19	4.32	.2	1	.33	.05	.21	.07
18-19...	.66	262/	4.78	--	2	.33	.08	3.7	.05
27-28...	2.56	10	4.78	.1	2	.05	.01	.06	<.01
NOV 30-DEC 01	.17	21	4.19	--	<1	.45	.02	.10	.06
DEC									
02-03...	.92	11	4.28	.1	1	.04	.01	.05	.01
04-05...	.28	12	4.41	--	1	.40	.02	.01	.01
05-06...	.24	3	4.18	--	2	.30	.02	--	--
07-08...	.05	28	4.08	--	--	--	--	--	--
21-22...	.52	18	4.22	.2	1	.15	.05	.35	.05
23-24...	.09	64	3.70	.3	--	--	--	.27	.13
24-25...	.23	47	3.90	.3	--	.17	.07	.50	--
30-31...	.01	--	--	--	--	--	--	--	--
DEC 31-JAN 01	.005	--	--	--	--	--	--	--	--
JAN									
01-02...	.39	8	4.50	.1	2	.13	.06	.38	.03
02-03...	.12	9	4.22	--	--	.26	.03	.03	.22
03-04...	.19	10	4.53	--	--	.36	.05	.29	2.10
09-10...	.08	32	3.82	.3	--	.30	.06	.36	.20
10-11...	.09	29	4.10	.3	--	.36	.04	.15	.07
16-17...	.53	19	4.00	.2	--	.19	.01	.02	.02
27-28...	.17	21	4.10	.3	--	.15	.03	.11	.09
29-30...	.06	35	3.80	.3	--	.55	.04	.10	.10
30-31...	.91	21	4.00	.3	<1	.07	.02	.12	.02
JAN 31-FEB 01	1.60	20	4.10	.2	<1	.06	.01	.08	.01
FEB									
01-02...	.03	62	3.67	--	--	--	--	--	--
04-05...	.97	8	4.35	.2	1	.30	.05	.38	.13
05-06...	.39	12	4.40	.2	1	.15	.01	<.01	.03
10-11...	.19	26	4.10	.3	<1	.18	.06	.45	.05
11-12...	.72	9	4.45	.1	1	.05	.01	<.01	.01
18-19...	.01	--	--	--	--	--	--	--	--
19-20...	.22	29	3.90	.1	--	.40	.04	.19	.09
23-24...	.16	8	4.72	.1	--	.37	.04	.07	.23
24-25...	.13	8	4.80	--	--	.25	.05	.25	.03
25-26...	.49	5	4.80	.1	--	.08	.01	.01	.04

PRECIPITATION-QUALITY DATA

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CULLMAN COUNTY

341032086340601 PRECIPITATION STATION NEAR HOLLY POND, AL--Continued

WATER-QUALITY DATA, OCTOBER 1984 TO SEPTEMBER 1985

BEGINNING- ENDING DATE	SULFATE, DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE, DIS- SOLVED (MG/L AS BR)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT							
07-08...	--	--	--	--	--	0.920	0.034
08-09...	2.7	0.47	<.01	0.06	0.28	.409	.006
09-10...	.60	.18	<.01	<.01	.12	.151	.004
15-16...	1.7	.97	.13	<.01	.15	.616	.088
16-17...	.49	.12	<.01	<.01	.09	.245	<.001
19-20...	1.8	.18	<.01	<.01	.15	.337	<.001
21-22...	.59	.42	<.01	<.01	.10	.307	<.001
22-23...	.69	.27	<.01	<.01	.05	.183	<.001
23-24...	.98	.25	<.01	<.01	.10	.231	<.020
27-28...	.83	.16	<.01	<.01	.10	.257	<.001
28-29...	2.3	.53	.03	<.01	.28	.608	.057
NOV							
01-02...	1.3	.00	.00	.00	.10	.074	<.001
03-04...	1.8	.20	.00	.10	.30	.276	<.001
04-05...	5.0	1.0	.00	.00	.40	1.100	<.001
10-11...	1.6	.70	.00	.00	.20	.180	<.001
15-16...	2.0	.38	.07	<.01	.26	.219	<.001
18-19...	.78	6.1	.10	<.01	.09	.110	<.001
27-28...	.44	.12	<.01	.05	.04	.091	<.001
NOV 30-DEC 01	1.8	.40	.10	.10	.10	.238	<.001
DEC							
02-03...	1.1	.10	.00	.00	.00	.166	<.001
04-05...	1.0	.10	.00	.00	.10	.145	.009
05-06...	1.6	.89	.05	<.01	.19	.222	<.001
07-08...	--	--	--	--	--	--	--
21-22...	1.9	.56	.01	<.01	.23	.288	<.001
23-24...	5.9	.69	.03	<.01	.70	.839	<.001
24-25...	4.3	.75	.04	<.01	.55	.713	<.001
30-31...	--	--	--	--	--	--	--
DEC 31-JAN 01	--	--	--	--	--	--	--
JAN							
01-02...	.64	.70	<.01	<.01	.07	.159	<.001
02-03...	1.60	.23	.02	<.01	.09	.399	--
03-04...	2.30	2.40	.04	<.01	.14	.168	--
09-10...	2.80	.37	.12	.02	.36	.207	--
10-11...	2.30	.12	.03	.04	.24	.270	--
16-17...	1.60	.03	.18	.03	.24	.132	<.001
27-28...	1.90	.26	.01	.05	.29	.306	.011
29-30...	2.40	2.00	.30	.02	.48	.471	--
30-31...	2.10	.36	.09	<.01	.17	.285	.037
JAN 31-FEB 01	1.90	.18	.05	.01	.12	.210	.024
FEB							
01-02...	--	--	--	--	--	--	--
04-05...	1.30	.45	<.01	<.01	.13	.125	.001
05-06...	.98	.09	.09	.04	.10	.106	<.001
10-11...	2.10	.89	.20	<.01	.31	.205	--
11-12...	.83	.01	<.01	.01	.11	--	.003
18-19...	--	--	--	--	--	--	--
19-20...	3.10	.31	<.01	.02	<.01	.731	.003
23-24...	1.90	.20	.62	<.01	<.01	.451	.017
24-25...	1.20	1.10	.09	<.01	.13	.268	.006
25-26...	.97	.02	.70	<.01	.06	.216	.048

PRECIPITATION-QUALITY DATA

CULLMAN COUNTY

341032086340601 PRECIPITATION STATION NEAR HOLLY POND, AL--Continued
WATER-QUALITY DATA, OCTOBER 1984 TO SEPTEMBER 1985

BEGINNING- ENDING DATE 1/	PRECIPI- TATION (INCHES)	SPE- CIFIC CON- DUCT- ANCE FIELD (UMHOS)	PH FIELD (UNITS)	ACIDITY (MG/L AS H)	ALKA- LITY LAB (MG/L AS CACO3)	CALCIUM, DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
MAR									
01-02...	0.12	13	4.58	--	--	0.17	0.01	0.05	3.10
04-05...	.33	27	4.14	0.2	--	.22	.05	.27	.04
11-12...	.01	36	4.41	--	--	--	--	--	--
14-15...	.002	--	--	--	--	--	--	--	--
20-21...	.08	19	4.36	--	--	--	--	.28	.18
21-22...	1.28	16	4.19	.2	<1	.12	.03	.12	.02
22-23...	.10	41	3.93	--	--	--	--	.04	.33
23-24...	.20	14	4.41	.1	--	.33	.03	.05	.33
27-28...	.06	15	4.68	--	--	.36	.08	.34	.08
30-31...	.42	8	4.74	.2	--	.14	.01	.01	.01
MAR 31-APR 01..	.37	2	5.01	.2	2	.19	.06	.22	.04
APR									
05-06...	.75	9	4.56	.2	1	.16	.04	.14	.02
06-07...	.10	8	5.05	.1	--	.43	.05	.05	.02
12-13...	.05	37	4.25	--	--	--	--	--	--
14-15...	1.21	8	4.35	.2	1	.04	.01	.04	.01
15-16...	.04	16	4.47	--	--	--	--	--	--
23-24...	.64	21	4.14	--	<1	.15	.05	.25	.02
24-25...	.08	16	4.43	--	--	.11	.04	.06	.27
27-28...	1.47	24	4.14	.2	1	.19	.05	.25	.06
APR 30-MAY 01..	.35	25	4.03	.2	<1	.20	.02	.14	.05
MAY									
01-02...	.65	29	3.97	--	<1	.17	.04	.25	.03
02-03...	.67	7	5.38	.3	3	.05	.01	.01	.01
07-08...	2.46	14	4.20	.3	1	.23	.02	.06	.01
08-09...	.56	54	3.64	.2	--	.22	.02	.08	.05
09-10...	.30	19	4.23	.1	--	.12	.01	.06	.03
10-11...	.32	32	3.94	.2	--	.26	.03	.12	.09
22-23...	.05	11	4.58	.3	9	.20	.04	--	2.5
28-29...	.72	18	4.07	.2	1	.20	.03	.06	2.0
JUN									
07-08...	.47	21	4.10	.2	1	.23	.04	.17	2.6
10-11...	.25	55	3.69	.3	<1	--	--	--	--
11-12...	.85	13	4.29	.1	1	.10	.02	.02	.01
17-18...	1.50	20	4.13	.2	<1	.28	.03	.11	.02
18-19...	.08	10	4.50	--	--	--	--	.03	.04
26-27...	.05	75	3.75	--	--	--	--	--	--
28-29...	.49	102	3.53	.4	<1	.33	.02	.03	<.01
JUN 30-JUL 01.	.43	92	3.60	.4	<1	.25	.05	.01	<.01
JUL									
01-02...	.15	68	3.70	.3	--	--	--	.04	.33
03-04...	.05	35	3.90	--	--	--	--	--	--
04-05...	.22	10	4.40	.2	2	.08	.01	.01	.07
05-06...	.56	25	5.30	--	1	--	--	.03	.03
15-16...	.05	35	3.98	--	--	--	--	.17	.24
16-17...	.20	35	3.88	--	--	.40	.03	.08	.16
22-23...	1.33	94	3.56	.4	<1	.15	.05	.02	.04
23-24...	.06	76	3.61	--	--	--	--	--	--
24-25...	.92	18	4.11	.2	<1	.04	.01	.01	.02
25-26...	2.38	18	4.11	.2	<1	.11	.02	.06	.03
26-27...	2.90	16	4.17	.1	1	.05	.01	.05	.02
27-28...	3.01	10	4.29	--	--	--	--	--	--
28-29...	.60	47	3.77	.2	<1	.24	.02	.09	.10
AUG									
01-02...	.10	45	4.13	--	<1	.55	.06	.19	--
02-03...	.16	87	3.62	--	<1	.47	.02	--	.06
07-08...	.11	36	3.94	--	--	.44	.06	.14	.28
15-16...	.35	9	4.43	.1	1	.14	.02	.05	.04
16-17...	.59	9	4.35	--	1	.10	.01	.08	.05
24-25...	.52	44	3.81	.2	<1	.11	.01	.05	.02
25-26...	1.04	30	3.90	.1	<1	.09	.03	.04	.06
SEP									
02-03...	.19	11	4.71	.1	5	.46	.07	.21	.06
07-08...	.42	28	4.04	.1	<1	.19	.02	.05	.22
23-24...	.88	8	4.48	.2	1	.05	.01	<.01	.10
SEP 30-OCT 01.	1.19	8	4.42	<.1	1	.09	.02	.05	.03

1/ Beginning is date bucket placed in the collector; ending is date bucket and sample were removed.

2/ Laboratory determination.

PRECIPITATION-QUALITY DATA

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CULLMAN COUNTY

341032086340601 PRECIPITATION STATION NEAR HOLLY POND, AL--Continued
WATER-QUALITY DATA, OCTOBER 1984 TO SEPTEMBER 1985

BEGINNING- ENDING DATE1/	SULFATE, DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE, DIS- SOLVED (MG/L AS BR)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
MAR							
01-02...	2.40	1.90	0.06	<.01	0.06	0.624	0.001
04-05...	3.30	.38	<.06	<.01	.28	.632	.001
11-12...	--	--	--	--	--	--	--
14-15...	--	--	--	--	--	--	--
20-21...	1.80	.74	.02	<.01	.43	.445	--
21-22...	1.80	.34	<.01	<.01	.01	.112	<.001
22-23...	4.60	.55	.08	<.01	.60	.606	.011
23-24...	1.90	.19	.04	<.01	.23	.322	.006
27-28...	.60	.19	.02	.02	.05	.381	.004
30-31...	.17	.08	<.01	<.01	.03	.074	.007
MAR 31-APR 01..	.73	.50	<.01	<.01	.06	.015	.013
APR							
05-06...	.92	.30	.02	<.01	.10	.178	<.001
06-07...	.77	.15	.03	<.01	.14	--	--
12-13...	--	--	--	--	--	--	--
14-15...	.90	.14	.04	<.01	.10	.265	.022
15-16...	--	--	--	--	--	--	--
23-24...	2.2	.44	.04	<.01	<.01	.470	<.001
24-25...	1.6	.48	.05	<.01	<.01	.291	--
27-28...	2.7	.47	.02	<.01	<.01	.566	<.001
APR 30-MAY 01..	2.5	.47	.16	<.01	.18	.295	.010
MAY							
01-02...	3.4	.48	.11	<.01	.36	.501	.005
02-03...	.79	.09	.14	<.01	.15	.672	.003
07-08...	1.3	.20	.20	<.01	.16	.323	<.001
08-09...	5.4	.29	.04	<.01	.87	.360	<.001
09-10...	1.8	.26	.02	<.01	.22	.383	<.001
10-11...	3.0	.27	.03	<.01	.83	.555	.001
22-23...	1.0	.88	.05	<.01	.23	.032	.010
28-29...	1.2	.34	.04	<.01	.24	.206	.009
JUN							
07-08...	1.1	.90	.22	<.01	.27	.136	.012
10-11...	5.5	4.1	1.6	<.01	.49	.412	.074
11-12...	1.1	.18	<.01	<.01	.18	.216	.003
17-18...	1.8	.20	.01	<.01	.20	.183	.004
18-19...	.73	.14	.04	<.01	.19	.374	--
26-27...	--	--	--	--	--	--	--
28-29...	10	.40	<.1	<.01	.78	.483	.013
JUN 30-JUL 01.	11	.15	.06	<.01	.49	.495	--
JUL							
01-02...	--	--	--	--	--	.728	--
03-04...	--	--	--	--	--	--	--
04-05...	.39	.13	<.01	<.01	.06	.195	<.001
05-06...	--	--	--	--	--	.242	--
15-16...	2.6	.71	.08	<.01	.59	.012	--
16-17...	3.1	.19	.04	<.01	.47	--	--
22-23...	7.6	.17	.18	<.01	.63	.523	.003
23-24...	--	--	--	--	--	--	--
24-25...	1.4	.08	.10	<.01	.16	.168	.005
25-26...	1.3	.24	.29	<.01	.20	.218	<.001
26-27...	1.2	.17	.14	<.01	.11	.176	.002
27-28...	--	--	--	--	--	--	--
28-29...	5.5	.40	.12	<.01	.24	.427	.028
AUG							
01-02...	2.3	3.0	.47	<.01	.26	.651	--
02-03...	8.3	.32	.18	<.01	.56	.872	--
07-08...	2.6	.74	.12	<.01	.46	.328	.038
15-16...	.65	.39	.17	<.01	.15	.115	.008
16-17...	.66	.17	.22	<.01	.03	.130	.006
24-25...	4.8	.25	.14	<.01	.35	.271	.010
25-26...	3.4	6.2	.38	<.01	.25	.215	.013
SEP							
02-03...	1.0	.62	.09	<.01	.13	.187	--
07-08...	3.3	.17	.05	<.01	.24	.636	.004
23-24...	.94	.02	.02	<.01	.08	.210	.001
SEP 30-OCT 01.	.76	.16	.04	<.01	.11	.166	.003

PRECIPITATION-QUALITY DATA

DALLAS COUNTY

322710087140401 PRECIPITATION STATION NEAR MARION JUNCTION, AL

LOCATION.--Lat 32°27'10", long 87°14'04", Hydrologic Unit 03150203, NE¼, SE¼, SW¼ sec 11, T. 17 N., R. 8 E., in Dallas County.

PERIOD OF RECORD.--August 1983 to current year.

REMARKS.--Weekly samples are collected on Tuesday at 0600 a.m.

WATER-QUALITY DATA, OCTOBER 1984 TO SEPTEMBER 1985

BEGINNING- ENDING DATE 1/	PRECIPI- TATION IN INCHES	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM)	PH (STAND- ARD UNITS)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, DIS- SOLVED (MG/L AS NH4)	PHOS- PHORUS DIS- SOLVED (MG/L AS PO4)
OCT												
02-09...	0.400	18.2	4.42	0.19	0.068	0.275	0.044	1.25	0.43	1.070	0.120	<.000
09-16...	.600	10.7	4.46	.08	.046	.211	.025	1.07	.33	.350	.140	<.000
16-23...	2.350	13.4	4.57	.32	.082	.426	.067	.98	.79	.440	.000	.000
23-30...	.580	20.9	5.71	.09	.060	.392	.057	1.85	.63	.850	.090	<.000
OCT 30-NOV 06	.300	49.5	3.79	.33	.095	.358	.059	3.95	.55	2.560	.480	<.000
NOV												
06-13...	1.050	22.5	5.20	.19	.095	.495	.093	1.62	.82	.810	.110	.000
13-20...	.200	27.4	4.27	.67	.092	1.190	.093	2.33	1.99	2.070	.290	.000
20-27...	.000	2.3L	5.86	.09	.031	.116	.063	.35	.15	<.020	<.020	.000
NOV 27-DEC 04	2.450	11.8	4.55	.05	.040	.330	.020	.68	.59	<.410	.100	<.000
DEC												
04-11...	1.400	11.0	4.70	.05	.010	.027	.009	.89	.05	.460	.040	<.000
18-26...	.070	55.7	4.22	1.21	.514	2.900	.300	5.68	4.56	3.740	.630	<.000
DEC 26-JAN 02	.400	28.0	4.42	.17	.249	1.840	.096	2.01	3.29	.840	.090	<.000
JAN												
02-08...	.400	37.8	4.14	.23	.060	.152	.069	2.19	.17	.820	.130	<.000
08-15...	.200	24.0	4.32	.29	.082	.344	.105	1.45	.46	1.140	.070	<.000
15-22...	1.000	15.5	4.41	.15	.025	.134	.038	1.06	.22	.590	.080	<.000
22-29...	.350	13.9	4.40	.18	.040	.174	.110	1.02	.23	.610	<.020	<.000
JAN 29-FEB 05	2.050	23.0	4.26	.11	.056	.363	.045	1.91	.62	.690	.210	.000
FEB												
05-12...	1.050	15.0	4.41	.66	.056	.406	.050	1.91	.73	.040	<.020	<.000
12-19...	.000	2.1L	5.69	.11	.009	.076	.007	.32	.11	<.020	<.020	<.000
19-26...	2.490	8.2	4.76	.03	.032	.231	.016	.69	.39	.260	.110	<.000
FEB 26-MAR 05	.670	31.2	4.26	.16	.094	.514	.062	3.03	.83	1.412	.510	<.000
MAR												
05-12...	.000	4.8L	5.90	.25	.033	.210	.084	.60	.20	.410	.070	.000
12-19...	.020	53.6L	4.29	.74	.363	.420	.124	6.94	.83	3.950	1.310	.000
19-26...	.710	30.6	4.13	.49	.123	.623	.177	3.03	.95	2.580	.630	.000
MAR 26-APR 02	.140	39.6	3.86	.55	.281	1.930	.253	3.73	3.27	1.680	.420	.000
APR												
02-09...	1.030	10.2	4.20	.30	.051	.300	.039	.98	.49	.640	.020	<.000
09-16...	1.400	16.3	4.08	.13	.037	.179	.034	1.41	.30	.890	.190	<.000
16-23...	.000	3.6L	5.27	.09	.018	.098	.048	.15	.15	.260	.020	<.000
19-16...	1.400	16.3	4.08	.13	.037	.179	.034	1.41	.30	.890	.190	<.000
23-30...	1.900	6.8	4.63	.07	.021	.124	.018	.76	.26	.640	.100	<.000
APR 30-MAY 07	.240	32.1	4.24	.39	.101	.568	.080	3.76	.91	2.880	.710	<.000
MAY												
07-14...	1.390	28.1	4.08	.12	.028	.098	.039	3.13	.25	1.630	.420	<.000
14-21...	.000	2.4L	5.91	.12	.010	.065	.045	<.03	.11	.050	<.020	.000
21-28...	.200	38.7	4.23	.24	.054	.206	.116	4.11	.38	1.610	.520	.000
MAY 28-JUN 04	.000	1.7L	5.46	.03	.009	.049	.023	<.03	.07	<.030	<.020	.000
JUN												
04-11...	.070	75.8	3.63	.54	.111	.412	.119	6.99	.86	6.270	1.420	<.000
11-18...	.800	6.8	4.49	.05	.025	.122	.014	.53	.22	.550	.020	<.000
18-25...	1.550	12.5	4.35	.08	.030	.147	.021	1.02	.28	.990	.100	<.000
JUN 25-JUL 02	.450	53.8	4.05	.44	.048	.071	.055	5.97	.19	2.860	.380	<.000

1/ Beginning is date bucket placed in the collector; ending is date bucket and sample were removed.

L Laboratory value.

PRECIPITATION-QUALITY DATA

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DALLAS COUNTY

322710087140401 PRECIPITATION STATION NEAR MARION JUNCTION, AL--Continued

WATER-QUALITY DATA, OCTOBER 1984 TO SEPTEMBER 1985

BEGINNING- ENDING DATE 1/ 2/	PRECIPITATION IN INCHES	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, DIS- SOLVED (MG/L AS NH4)	PHOS- PHORUS DIS- SOLVED (MG/L AS PO4)
JUL												
02-09...	2.300	3.4	5.48	0.04	0.009	0.025	0.011	0.23	0.05	0.120	<.020	<.000
09-16...	.040	49.5	3.12	.92	.219	.251	.150	5.79	.53	3.790	.480	<.003
16-23...	1.200	48.5	4.02	.05	.014	.062	.093	4.52	.18	1.390	.330	<.003
23-30...	1.250	17.3	4.46	.14	.043	.146	.017	1.45	.26	1.110	.030	<.003
JUL 30-AUG 06	.800	19.2	4.52	.29	.032	.091	.032	2.11	.17	1.120	<.020	<.003
AUG												
06-13...	.250	38.5	4.03	.19	.058	.061	.049	3.91	.18	1.770	.490	<.003
13-19...	.350	19.5	4.43	.14	.073	.442	.054	1.59	.81	1.110	<.020	<.003
19-27...	2.500	17.5	4.48	1.14	.047	.091	.088	1.99	.19	.810	.160	<.003
AUG 27-SEP 03	.300	22.1	5.09	.35	.175	1.040	.076	2.21	1.86	1.250	.110	<.003
SEP												
03-10...	.300	2.0	5.57	.03	.010	.020	.006	.04	.04	<.020	<.020	<.003
17-24...	1.400	2.5	5.21	.01	.005	.019	<.003	.08	<.03	.070	<.020	.010
SEP 24-OCT 01	.850	7.3	4.82	.07	.019	.071	.012	.68	.20	.380	<.020	<.003

PRECIPITATION-QUALITY DATA

MONROE COUNTY

311625087390701 PRECIPITATION STATION NEAR URIAH, AL

LOCATION.--Lat 31°16'25", long 87°39'07", Hydrologic Unit 03150204, NW¼NE¼NE¼ sec. 34, T. 4 N., R. 4 E., in Monroe County.

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

INSTRUMENTATION.--Recording precipitation gage and automatic sample collector.

REMARKS.--Daily samples are collected at 0700 a.m.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

BEGINNING- ENDING DATE 1/	PRECIPI- TATION (INCHES)	SPE- CIFIC CON- DUCT- ANCE FIELD (UMHOS)	PH FIELD (UNITS)	ACIDITY (MG/L AS H)	ALKA- LITY LAB (MG/L AS CACO3)	CALCIUM, DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
OCT									
08-09...	0.06	40	3.58	--	--	--	--	--	--
09-10...	.75	23	3.81	0.2	<1	0.13	0.07	0.37	0.08
14-15...	.10	17	4.04	--	--	--	--	--	--
15-16...	.75	16	4.04	.2	1	.09	.05	.42	.02
19-20...	.25	28	3.75	.3	<1	.15	.06	.33	.07
21-22...	.75	13	4.15	.2	2	.08	.08	.60	.02
27-28...	.40	11	3.82	.3	1	.18	.05	.20	.19
NOV									
02-03...	.20	38	3.25	--	--	--	--	--	--
10-11...	.15	21	4.03	.2	2	.85	.20	.78	.13
16-17...	.05	38	3.85	--	--	--	--	--	--
18-19...	.18	45	3.86	--	--	--	--	--	--
27-28...	1.3	19	4.51	.2	1	.08	.11	1.0	.03
DEC									
04-05...	3.0	8	4.41	.2	1	.07	<.01	.01	.01
05-06...	.05	11	4.80	--	--	--	--	--	--
DEC 31-JAN 1	.65	6	4.43	.1	2	.11	.05	.42	--
JAN									
01-02...	.41	13	3.66	.1	2	.15	.06	.48	<.01
02-03...	.22	23	3.56	.3	--	.06	.01	.28	.02
03-04...	.06	41	3.30	--	--	--	--	--	--
16-17...	1.80	10	3.69	.2	1	.05	.04	.15	.05
19-20...	.02	12	3.70	--	--	--	--	--	--
27-28...	1.10	8	4.38	.2	--	.07	.02	.13	.07
29-30...	.16	36	3.22	--	--	--	--	--	.02
30-31...	.42	38	3.46	.3	<1	.16	.05	.36	.02
FEB									
01-02...	.95	17	3.94	.2	1	.09	.04	.22	.18
04-05...	.36	32	3.70	.3	<1	.26	.04	.36	.29
05-06...	2.10	10	4.23	--	--	--	--	--	--
10-11...	.47	16	4.01	.2	1	.18	.10	.88	.22
19-20...	.01	68	4.16	--	--	--	--	--	--
24-25...	1.11	8	4.39	.1	2	.08	.04	.24	.01
25-26...	.85	14	4.17	.1	1	.20	.09	.40	.04
26-27...	.16	31	3.69	.1	--	.20	.03	.16	.04
27-28...	.03	8	4.05	--	--	--	--	--	--
FEB 28-MAR 01	.71	8	4.27	.1	1	.06	.01	.02	<.01
MAR									
01-02...	.97	7	4.36	.1	2	.11	.02	<.01	.01
04-05...	.12	55	3.45	.2	--	.60	.28	1.80	.12
16-17...	.17	27	3.58	.2	<1	.17	.03	.11	.06
20-21...	1.12	4	4.42	.1	2	.03	.02	.14	.02
27-28...	.04	24	3.85	--	--	--	--	--	--
30-31...	.10	25	3.99	--	--	.28	.19	1.50	.13
APR									
02-03...	.05	42	3.30	--	--	--	--	--	--
05-06...	.50	18	4.17	.2	1	.33	.13	.95	.08
14-15...	.45	40	3.64	.3	<1	.24	.02	1.6	.18
15-16...	.65	30	3.67	.3	<1	.35	.04	.07	.05
24-25...	.50	22	4.04	.2	<1	.20	.07	.32	.03

PRECIPITATION-QUALITY DATA

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MONROE COUNTY

311625087390701 PRECIPITATION STATION NEAR URIAH, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

BEGINNING- ENDING DATE	SULFATE, DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE, DIS- SOLVED (MG/L AS BR)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT							
08-09...	--	--	--	--	--	--	--
09-10...	1.5	0.91	<.01	<.01	0.18	0.102	<.001
14-15...	--	--	--	--	--	--	--
15-16...	1.2	.94	<.01	<.01	.08	.143	<.001
19-20...	3.0	.71	<.01	<.01	.27	.409	.031
21-22...	.90	1.2	<.01	<.01	.09	.178	<.001
27-28...	1.1	1.3	<.01	<.01	.18	.127	<.001
NOV							
02-03...	--	--	--	--	--	--	--
10-11...	2.3	1.2	.00	.00	.20	.282	.019
16-17...	--	--	--	--	--	--	--
18-19...	--	--	--	--	--	--	--
27-28...	1.1	2.1	<.01	.05	.09	.044	<.001
DEC							
04-05...	.60	.00	.00	.00	.00	.082	<.001
05-06...	--	--	--	--	--	--	--
DEC 31-JAN 01	.81	.79	<.01	<.01	.09	.074	<.001
JAN							
01-02...	.30	.87	.01	.01	.02	.042	<.001
02-03...	1.90	.58	.03	<.01	.15	.147	<.001
03-04...	--	--	--	--	--	--	--
16-17...	.97	1.80	.31	<.01	.09	.077	<.001
19-20...	--	--	--	--	--	--	--
27-28...	.87	.26	<.01	<.01	.05	.067	<.001
29-30...	--	--	--	--	--	--	--
30-31...	3.20	.56	.04	.01	.12	.179	.007
FEB							
01-02...	1.70	.30	.02	<.01	.20	.176	.030
04-05...	2.80	.77	.02	<.01	.18	.175	<.001
05-06...	--	--	--	--	--	--	--
10-11...	1.20	1.90	.03	<.01	.13	.054	.003
19-20...	--	--	--	--	--	--	--
24-25...	.55	.58	.01	<.01	.07	.075	.008
25-26...	1.20	.87	--	<.01	.13	.087	.003
26-27...	2.60	.32	<.01	<.01	.28	.094	.027
27-28...	--	--	--	--	--	--	--
FEB 28-MAR 01	.55	.02	<.01	<.01	.04	.008	<.001
MAR							
01-02...	.52	<.01	<.01	<.01	.02	.041	.008
04-05...	7.90	2.70	--	<.01	.37	.530	<.001
16-17...	3.10	.29	<.01	<.01	.31	.182	<.001
20-21...	.32	.36	.08	.01	.09	.034	<.001
27-28...	--	--	--	--	--	--	--
30-31...	2.00	.22	.03	<.01	.19	.329	.018
APR							
02-03...	--	--	--	--	--	--	--
05-06...	2.6	1.7	<.1	<.01	<.10	.214	.016
14-15...	4.2	1.9	.09	<.01	.31	.591	.007
15-16...	2.6	.43	.05	<.01	.90	.762	.036
24-25...	1.9	.79	.02	<.01	<.01	.262	<.001

PRECIPITATION-QUALITY DATA

MONROE COUNTY

311625087390701 PRECIPITATION STATION NEAR URIAH, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

BEGINNING- ENDING DATE 1/ 2/	PRECIPI- TATION (INCHES)	SPE- CIFIC CON- DUCT- ANCE FIELD (UMHOS)	PH FIELD (UNITS)	ACIDITY (MG/L AS H)	ALKA- LITY LAB (MG/L AS CACO3)	CALCIUM, DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
MAY									
01-02...	0.06	47	3.73	--	--	--	--	--	--
02-03...	.02	50	3.85	--	--	--	--	--	--
08-09...	1.95	24	3.84	0.2	<1	0.14	0.02	0.08	0.06
09-10...	.05	35	3.77	--	--	--	--	--	--
10-11...	.05	43	3.38	--	--	--	--	--	--
11-12...	.06	34	3.40	--	--	--	--	--	--
21-22...	.15	24	4.11	.7	<1	.13	.03	.14	.06
22-23...	.15	41	3.90	.2	<1	.19	.07	--	--
JUN									
09-10...	.35	57	3.46	.3	<1	.25	.04	.65	.89
10-11...	.15	9	4.27	.2	2	.08	.05	.31	.17
11-12...	1.28	8	3.49	--	--	--	--	--	--
12-13...	.15	21	3.86	.2	1	.26	.03	.36	.21
15-16...	.18	22	3.63	.1	1	.22	.14	1.1	.07
18-19...	.50	24	4.19	.4	2	.26	.06	1.4	2.7
25-26...	.01	28	3.68	--	--	--	--	--	--
JUL									
01-02...	1.75	46	3.53	.3	<1	.14	.01	.03	.01
03-04...	.17	39	3.82	.3	<1	.34	.05	.22	.11
05-06...	1.36	13	4.27	.2	1	.03	.02	.13	.02
06-07...	.09	21	4.37	.2	<1	--	--	.31	.08
07-08...	.03	12	4.25	--	--	--	--	--	--
08-09...	.03	24	4.35	--	--	--	--	--	--
15-16...	.05	85	3.94	--	--	--	--	--	--
16-17...	.25	38	3.69	.2	<1	.18	.03	.72	3.2
18-19...	.10	--	3.80	--	<1	.05	.02	.03	.04
22-23...	.50	60	3.50	.3	<1	.05	.02	.04	.05
24-25...	1.05	21	3.88	.2	<1	.05	.01	.02	.03
25-26...	3.15	18	3.94	.2	<1	.10	.02	.10	.03
26-27...	1.20	41	3.68	.2	<1	.23	.08	.41	.05
AUG									
07-08...	.80	17	3.81	.2	<1	.04	.01	.04	.12
11-12...	.15	33	3.56	3.6	<1	.12	.01	.04	.06
13-14...	.05	38	4.02	--	--	--	--	--	--
14-15...	.05	29	3.94	--	--	--	--	--	--
15-16...	.45	20	3.65	.2	1	.23	.07	.37	.06
16-17...	.13	24	3.51	.2	<1	.20	.13	.97	.10
23-24...	.05	98	2.98	--	--	--	--	--	--
24-25...	1.65	15	3.81	.1	<1	.03	.01	.05	.10
25-26...	.33	41	3.43	.5	<1	.16	.02	.11	.08
26-27...	.05	34	3.46	--	--	--	--	--	--
SEP									
01-02...	.15	7	4.20	<.1	2	.11	.04	.26	.05
02-03...	1.00	20	3.58	.2	<1	.09	.10	.73	.05
05-06...	.05	22	3.54	--	--	--	--	--	--
08-09...	.05	24	3.60	--	--	--	--	--	--
13-14...	.15	19	3.20	--	--	--	--	--	--
22-23...	.38	20	3.79	--	<1	.13	.05	.36	.06
23-24...	5.75	6	4.39	.2	1	.02	.01	.06	.07
SEP 30-OCT 01.	.25	22	3.65	--	--	--	--	--	--

1/ Beginning is date bucket placed in the collector; ending is date bucket and sample were removed.

PRECIPITATION-QUALITY DATA

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MONROE COUNTY

311625087390701 PRECIPITATION STATION NEAR URIAH, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

BEGINNING- ENDING DATE	SULFATE, DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE, DIS- SOLVED (MG/L AS BR)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
MAY							
01-02...	--	--	--	--	--	--	--
02-03...	--	--	--	--	--	--	--
08-09...	2.1	1.5	0.14	<.01	0.18	0.283	0.007
09-10...	--	--	--	--	--	--	--
10-11...	--	--	--	--	--	--	--
11-12...	--	--	--	--	--	--	--
21-22...	1.5	.44	.03	<.01	.32	.124	.007
22-23...	3.3	1.6	.18	<.01	.42	.270	.019
JUN							
09-10...	4.3	1.6	.31	<.01	.61	.339	.013
10-11...	.41	.41	.06	<.01	.14	.112	.007
11-12...	--	--	--	--	--	--	--
12-13...	1.5	.67	.02	<.01	.28	.141	.004
15-16...	1.5	6.6	.01	<.01	.11	.079	.007
18-19...	1.7	3.9	<.01	<.01	.20	<.001	.015
25-26...	--	--	--	--	--	--	--
JUL							
01-02...	3.3	.28	.05	<.01	.42	.027	.024
03-04...	3.1	.51	.07	<.01	.32	.508	--
05-06...	.99	.66	.01	<.01	.11	.037	.026
06-07...	--	--	--	--	--	.034	--
07-08...	--	--	--	--	--	--	--
08-09...	--	--	--	--	--	--	--
15-16...	--	--	--	--	--	--	--
16-17...	2.7	6.8	.04	<.01	.40	.071	.007
18-19...	3.0	.21	.13	<.01	.44	.475	--
22-23...	5.3	.16	.06	<.01	.46	.392	<.001
24-25...	1.6	.14	.02	<.01	.15	.089	<.001
25-26...	1.6	.25	.01	<.01	.19	.177	<.001
26-27...	3.9	.83	.09	<.01	.42	.415	<.001
AUG							
07-08...	1.3	.24	<.01	.01	.15	.044	.012
11-12...	2.5	.20	.11	<.01	.35	.190	.011
13-14...	--	--	--	--	--	--	--
14-15...	--	--	--	--	--	--	--
15-16...	1.6	.91	.03	<.01	.10	<.001	.006
16-17...	1.5	2.0	.02	<.01	.25	.083	.033
23-24...	--	--	--	--	--	--	--
24-25...	1.1	.28	.06	<.01	.12	.034	.008
25-26...	3.1	.35	.10	<.01	.39	.166	.017
26-27...	--	--	--	--	--	--	--
SEP							
01-02...	.37	.87	.14	<.01	.05	.050	.009
02-03...	1.9	2.0	<.01	<.01	.10	.071	.006
05-06...	--	--	--	--	--	--	--
08-09...	--	--	--	--	--	--	--
13-14...	--	--	--	--	--	--	--
22-23...	1.7	.68	.02	<.01	.12	.085	.001
23-24...	.44	.26	<.01	<.01	.03	.048	.001
SEP 30-OCT 01.	--	--	--	--	--	--	--

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3	square meters (m ²)
	4.047×10^{-1}	square hectometers (hm ²)
	4.047×10^{-3}	square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
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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