



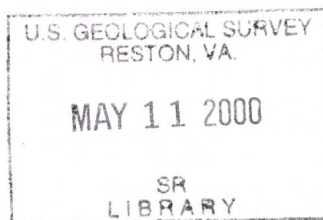
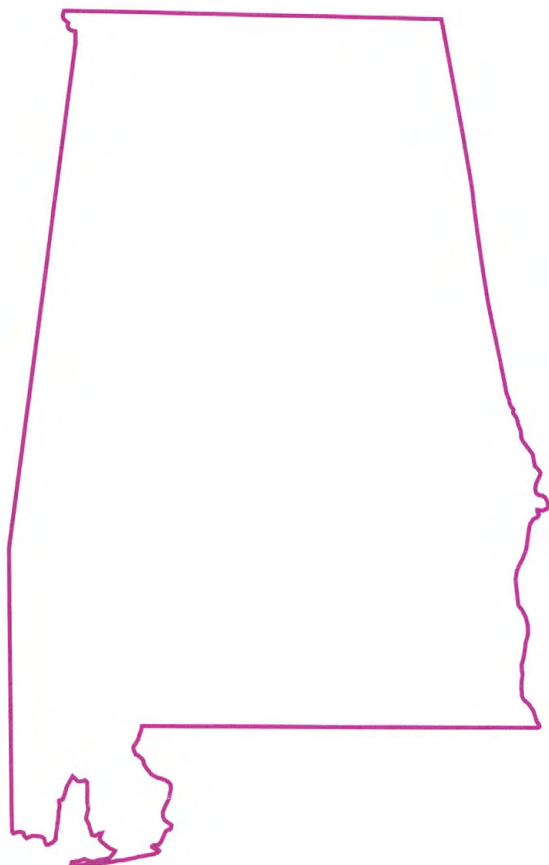
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(200)
Ga3
Alabama
1999

Water Resources Data Alabama Water Year 1999

Water-Data Report AL-99-1



U.S. Department of the Interior
U.S. Geological Survey



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

CALENDAR FOR WATER YEAR 1999

1998

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3	1	2	4	4	5	6	7			1	2	3	4	5
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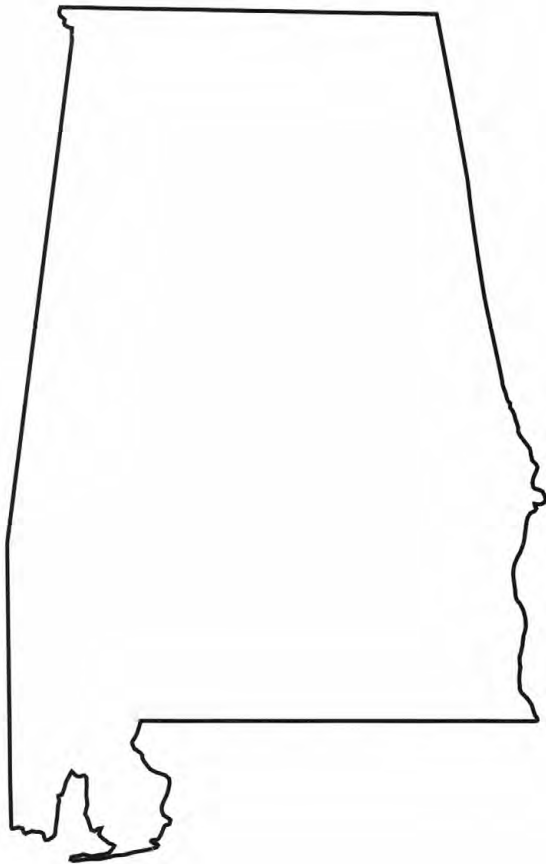
1999

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17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27
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31																				
APRIL							MAY							JUNE						
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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S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3	1	2	3	4	5	6	7				1	2	3	4
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Water Resources Data Alabama Water Year 1999

By J.L. Pearman, V.E. Stricklin, and W.L. Psinakis

Water-Data Report AL-99-1



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



U.S. DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

U.S. GEOLOGICAL SURVEY

Charles G. Groat, Director

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U.S. Geological Survey

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Montgomery, Alabama 36116

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 network in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Alabama are contained in one volume.

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

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This report was prepared in cooperation with the State of Alabama and with other agencies under the general supervision of Jess D. Weaver, District Chief, and Wanda C. Meeks, Regional Hydrologist, Southeastern Region.

REPORT DOCUMENTATION PAGE			Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.				
1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE April 2000		3. REPORT TYPE AND DATES COVERED Annual--October 1, 1998 to September 30, 1999
4. TITLE AND SUBTITLE Water Resources Data - Alabama - Water Year 1999			5. FUNDING NUMBERS	
6. AUTHOR(S) J.L. Pearman, V.E. Stricklin, and W.L. Psinakis				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) U.S. Geological Survey, Water Resources Division 2350 Fairlane Dr., Suite 120 Montgomery, Alabama 36116			8. PERFORMING ORGANIZATION REPORT NUMBER USGS-WDR-AL-99-1	
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Geological Survey, Water Resources Division 2350 Fairlane Dr., Suite 120 Montgomery, Alabama 36116			10. SPONSORING / MONITORING AGENCY REPORT NUMBER USGS-WDR-AL-99-1	
11. SUPPLEMENTARY NOTES Prepared in cooperation with Federal, State, and local agencies.				
12a. DISTRIBUTION / AVAILABILITY STATEMENT No restriction on distribution. This report may be purchased from National Technical Information Service, Springfield, Virginia 22161			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) Water resources data for the 1999 water year for Alabama consist of records of stage, discharge, and water quality of streams; stages 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 125 streamflow-gaging stations, for 41 partial-record or miscellaneous streamflow stations; (2) stage and content records for 14 lakes and reservoirs and stage or elevation at 36 stations; (3) water-quality records for 25 streamflow-gaging stations, 2 lake stations, for 33 ungaged streamsites, and for 1 precipitation station; (4) water temperature and specific conductance at 14 surface-water stations; (5) dissolved oxygen at 9 stations; (6) sediment data at 38 stations; (7) chemical analyses of bed material at 25 stations; (8) water-level records at 3 recording observation wells; and (9) water-quality records for 56 ground-water stations. Also included are lists of active and discontinued continuous-record surface-water discharge stations, continuous-record surface-water stage stations, continuous-record surface-water-quality stations, and partial-record and miscellaneous surface-water-quality stations. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating Federal, State, and local agencies in Alabama.				
14. SUBJECT TERMS *Alabama, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses.			15. NUMBER OF PAGES 604	
17. SECURITY CLASSIFICATION OF REPORT Unclassified			16. PRICE CODE	
18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified		19. SECURITY CLASSIFICATION OF ABSTRACT		20. LIMITATION OF ABSTRACT

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Dallas County, near Marion Junction		542

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow in Alabama was below normal during the 1999 water year. Of the 20 sites listed in table 1, only one site (Sipsey River near Elrod) had a mean discharge for 1999 that exceeded its long-term annual mean. Three stations had mean discharges within 3 percent of their long-term annual mean. Of the remaining 16 stations, 7 stations had mean discharges of less than 75 percent of their long-term annual mean and one of these stations (Uchee Creek near Ft. Mitchell) had less than half (49 percent) of its long-term annual mean discharge.

Long-term monthly mean discharges were exceeded at 15 stations in June and July, and at 11 stations in January. Fifteen or more stations had monthly mean discharges below their long-term monthly means during the months of November, December, February, March, April, August, and September. All 20 sites had monthly mean discharges below their long-term monthly means during March, April, and September. The monthly mean discharges in October at stations in the southern and southwestern parts of the State exceeded their long-term monthly mean discharges for that month due partly to Hurricane Georges, which struck the coastal area in late September 1998.

Notable streamflow trends occurred at Tallapoosa River near Heflin, where mean discharges were below the long-term monthly means for 15 of the last 17 months; Coosa River at Jordan Dam, where mean discharges were below long-term monthly means for 13 consecutive months prior to June 1999; and Uchee Creek near Fort Mitchell, where mean discharges were below long-term monthly means for 16 of the last 18 months, including the last 11 months of water year 1999, and monthly mean discharges were less than half the long-term means in 8 of the 11 months.

The table below lists the stations in table 1 and the percentage of their long-term monthly mean discharges that occurred each month during the year. For example, the mean discharge for February 1999 at station Uchee Creek near Ft. Mitchell was 69 percent of long-term February mean discharge at that station.

1999 monthly mean discharges expressed as a percentage of the long-term monthly mean

Station number and name	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
02342500 Uchee Creek	193	38	31	47	69	49	23	36	83	54	37	24
02361000 Choctawhatchee River	352	89	65	72	47	50	26	111	134	113	51	32
02371500 Conecuh River	523	62	30	58	52	78	34	104	151	276	52	28
02374500 Murder Creek	171	76	59	63	52	71	46	67	95	108	54	48
02378500 Fish River	148	150	110	95	65	85	61	69	107	71	85	60
02401000 Big Wills Creek	50	37	57	97	99	64	51	114	184	261	103	60
02405500 Kelly Creek	12	13	50	109	79	88	64	53	369	339	45	14
02411000 Coosa River	50	53	62	90	85	60	34	73	117	166	65	61
02412000 Tallapoosa River	50	54	48	65	67	61	39	50	83	124	27	14
02422500 Mulberry Creek	90	66	49	107	57	58	28	24	102	124	49	56
02424000 Cahaba River	73	69	64	109	72	80	51	54	216	152	46	44
02438000 Buttahatchee River	58	42	75	172	64	92	70	100	74	77	34	40
02446500 Sipsey River	61	50	79	195	120	87	55	67	111	149	40	35
02450250 Sipsey Fork	10	7	65	223	61	91	68	82	134	115	32	11
02456500 Locust Fork	15	13	51	113	87	75	52	68	293	177	45	20
02465000 Black Warrior River	26	13	55	142	107	83	58	69	154	115	72	66
02467000 Tombigbee River	67	42	93	149	125	95	57	68	123	142	47	44
02471001 Chickasaw Creek	352	128	71	82	46	83	38	31	107	71	34	34
03574500 Paint Rock River	15	6	48	155	71	82	43	162	103	172	41	8
03586500 Big Nance Creek	13	5	97	221	61	90	58	120	131	74	10	4

Of the stations in table 1, instantaneous peak discharges with recurrence intervals of less than 2 years occurred at 14 stations, less than 5 years at 4 stations, and less than 10 years at 2 stations. This was indicative of the State as a whole as there were few flood events during the year. There was a below average number of peaks above base discharge for the year. The most significant flood events of the 1999 water year occurred on June 28 in an area from west-central Alabama to the Huntsville area.

Baseflows of streams were less than normal throughout the State as 8 of the 17 unregulated sites in table 1 had minimum 7-day average interval. Five stations had minimum 7-day average discharges equal to a 5-year recurrence interval and 4 had recurrence intervals of 10 years or greater.

Chemical quality of surface water in Alabama generally is suitable for most uses. Dissolved-solids concentrations in water in streams in 1999 were typically less than 200 mg/L except for streams in west-central Alabama where concentrations occasionally exceeded 500 mg/L. The pH of water in most streams was near 7.0 and dissolved-oxygen concentrations were seldom less than 5.0 mg/L. Trace constituent concentrations generally were low and similar to concentrations observed in previous years. Suspended-sediment concentrations were low except during periods of high streamflow.

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 125 streamflow-gaging stations, for 41 partial-record or miscellaneous streamflow stations; (2) stage and content records for 14 lakes and reservoirs and stage at 36 stations; (3) water-quality records for 25 streamflow-gaging stations, 2 lake stations, for 33 ungaged streamsites, and for 1 precipitation station; (4) water temperature and specific conductance at 14 surface-water stations; (5) dissolved oxygen at 9 stations; (6) sediment data at 38 stations; (7) chemical analyses of bed material at 25 stations; (8) water-level records for 3 recording observation wells; and (9) water-quality records for 56 ground-water stations.

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 U.S. Geological Survey, Branch of Information Services, Federal Center, Box 25286, Denver, CO 80225.

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-99-1*." 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 (334) 213-2332.

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 water-resources data 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 and Federal, State, and local agencies who provided assistance in the form of funds and/or services are:

Alabama Department of Conservation
Alabama Department of Economic and Community Affairs
Alabama Department of Environmental Management
Alabama Department of Transportation
Alabama Emergency Management
Alabama Power Company
Baldwin County Emergency Management Agency
Calhoun County Commission
City of Birmingham, Waterworks Board
City of Brewton
City of Century, Florida
City of Hoover
City of Huntsville
City of Mobile, Waterworks and Sewer Board
City of Montgomery, Waterworks Board
City of Roanoke

City of Springville
City of Thomasville
City of Tuscaloosa
Coffee County Commission
Dallas County Commission
Jefferson County Commission
Sumter County Commission
Tennessee Valley Authority
Town of Berry
Town of Blountsville
Town of Courtland
Town of Garden City
Town of Goodwater
Town of Parrish
Town of Thorsby
U.S. Army Corps of Engineers, Mobile District

TABLE 1.--MEAN, MAXIMUM, AND MINIMUM STREAMFLOW AND RECURRENCE INTERVALS AT SELECTED STATIONS

Station name	Station number	Length of record (years)	Mean		Maximum		Minimum 7-day average (ft ³ /s)	Recurrence interval (years)
			Yearly mean (ft ³ /s)	Percent of long-term average	Peak discharge (ft ³ /s)	Recurrence interval (years)		
Uchee Creek near Fort Mitchell	02342500	53	216	49	3,620	<2	17	<2
Choctawhatchee River near Newton	02361000	69	732	76	9,560	<5	111	<5
Conecuh River at Brantley	02371500	62	581	87	6,980	<2	51	<2
Murder Creek at Evergreen	02374500	62	201	70	2,550	<2	69	<5
Fish River near Silver Hill	02378500	29	107	90	665	<2	59	<2
Big Wills Creek near Reece City	02401000	40	278	90	3,580	<2	54	<2
Kelly Creek near Vincent	02405500	31	304	91	5,830	<2	5.7	<2
Coosa River at Jordan Dam near Wetumpka	02411000	75	11,800	72	84,900	<2	regulated	
Tallapoosa River near Heflin	02412000	47	398	58	4,400	<2	26	>10
Mulberry Creek at Jones	02422500	57	193	62	6,370	<5	48	<10
Cahaba River at Centreville	02424000	72	1,307	81	24,400	<2	213	<2
Buttahatchee River below Hamilton	02438000	29	470	88	15,300	<2	36	<5
Sipsey River near Elrod	02446500	56	817	101	14,000	<5	52	<2
Sipsey Fork near Grayson	02450250	33	163	97	13,500	<10	2.3	<5
Locust Fork at Sayre	02456500	61	1,194	82	17,800	<2	45	<2
Black Warrior River at Northport	02465000	79	5,680	86	67,900	<2	regulated	
Tombigbee River at Demopolis L&D near Coatopa	02467000	71	23,300	97	179,000	<5	regulated	
Chickasaw Creek near Kushla	02471001	48	223	79	2,920	<2	48	<5
Paint Rock River near Woodville	03574500	63	583	85	11,100	<2	6.1	<10
Big Nance Creek at Courtland	03586500	52	280	99	11,200	<10	1.2	<10

SPECIAL NETWORKS AND PROGRAMS

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

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to accomplish the following objectives: (1) Provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites. (2) Provide the mechanism to evaluate the effectiveness of the significant reduction in SO₂ emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred. (3) Provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO₂ and NO_x scheduled to begin in 2000.

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

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

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

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

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

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

http://wwwrvares.er.usgs.gov/nawqa/nawqa_home.html

EXPLANATION OF RECORDS

The surface-water and ground-water records published in this report are for the 1999 water year that began on October 1, 1998, and ended September 30, 1999. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and contents data for lakes and reservoirs, water-quality data for surface and ground water, ground-water-level data, and precipitation-quality data. The locations of the stations and wells where the data were collected are shown in figures 4-21. 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 in this report, whether streamsite, well, or other site, 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 system 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 surface-water stations and the "latitude-longitude" system is used for wells and other off-stream sites.

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 mainstream station are listed before that station. A station on a tributary that enters between two mainstream 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 the "List of Stations" in the front of this report. Each indentation represents one rank. This downstream order and system of indentation show in 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 a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 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 downstream-order number "371500", which can be from six to 12 digits. Most of the station-identification numbers in this report are eight digits; however, up to 14 digit numbers are permissible. 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 and other off-stream sites, such as rain gages, 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 or other sites within a 1-second grid as shown in figure 1. This site-identification number, once assigned, is a pure number, and has no location 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.

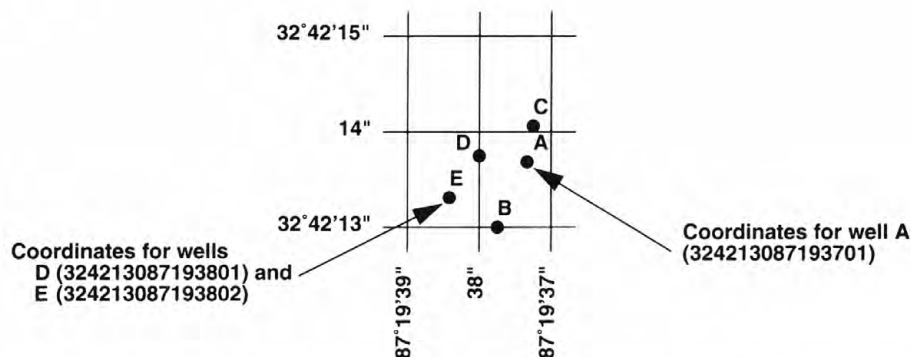


Figure 1.--System for numbering wells and other off-stream sites (latitude and longitude).

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of stage or discharge are those obtained using a continuous or specified time-interval stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Occasionally, other parameters such as tainter gate openings and stream velocity will also be needed to compute discharges. Stations for which daily mean discharges or gage heights are published are referred to as "daily stations". These methods are described in standard textbooks, Water-Supply Paper 2175, and the U.S. Geological Survey *Techniques of Water-Resources Investigations* (TWRI's), Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

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 peak discharge at selected sites or of measurements from specific studies, such as low-flow seepage studies, may be considered as partial records and these are presented under the appropriate heading.

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, as weather records, are used to compute daily discharges.

Continuous records of stage are obtained with devices that record stage values at selected time intervals or with analog recorders that trace continuous graphs of stage. 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 of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow-over-dams 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 is also used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations the stage-discharge relations are 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 relations are affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

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. 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 from the recorded range in stage, previous and following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. 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."

Computation of records of lake or reservoir contents requires a stage-contents relation which can be obtained from surveys, curves, or tables defining this relationship. The application of stage to the stage-contents curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-contents relation changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relation.

Data Presentation

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

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

Station Manuscript

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

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 mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October, 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available at the time of determination of drainage area varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps and funds 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 does not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

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

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a remarks 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.

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

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

For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented in a table in this report. 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.

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 obtain the record from published data reports may wish to contact the District office to determine if the published records were revised after the station was discontinued. Data obtained from computer files for discontinued stations will be current since these files are updated with appropriate revisions at the time revisions are made.

Manuscript information for lake or reservoir stations differs slightly from that for stream and stage stations. A paragraph describing the dam, beginning storage date, if known, and pertinent contents and elevation information is included in the description. Normally there is no "REMARKS" section. "EXTREMES" sections are presented only for those reservoirs where daily or more frequent pool elevations are available.

Headings for AVERAGE DISCHARGE, EXTREMES FOR PERIOD OF RECORD, AND EXTREMES FOR CURRENT YEAR have been deleted and the information contained in these paragraphs is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate. No changes have been made to the data presentations of lake contents. Secondary instantaneous peak discharges above a selected base discharge are listed in a table entitled "*Peak Discharges and Peak Discharges above Base Discharge for Water Year ----*."

Data Table of Daily Mean Values

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

Statistics of Monthly Mean Data

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

Summary Statistics

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

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

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

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

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

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

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

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

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

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

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that the secondary instantaneous peak discharges above a selected base discharge are printed in this report in a table entitled "*Peak Discharges and Peak Discharges above Base Discharge for Water Year ----.*"

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

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

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

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

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

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

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

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

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

The daily table of gage-height stations gives mean gage-height for each day or a gage reading for a designated time. In the monthly summary, the line headed "MEAN" gives the average gage height during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily gage heights, respectively, for the month.

Data for reservoirs are presented following the continuous-station data for the basin in which they are located. Monthend elevations, contents, and monthly and yearly change in contents are presented in tabular form following the reservoir station description.

Data collected at partial-record stations follow the information for continuous-record sites. If collected, 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 data contained in the partial-record station tables are often supplemented by information gathered at miscellaneous sites which are neither continuous record nor partial-record stations. This information is presented in tables similar to those for the partial-record stations and the table headings explain the data which are shown.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," and/or 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, measurement 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 the nearest whole numbers between 10 and 1,000 ft³/s; and to 3 significant figures for values 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, and 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

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 discharge or gage height, not published by the U.S. Geological Survey, are collected in Alabama at several sites by 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, indexes the water data available from more than 400 organizations, and serves as a focal point to help those in need of water data to determine what information is available. Information and assistance on how to use this system can be obtained from the District office.

Records of Surface-Water Quality

Records of surface-water quality are usually 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, quarterly or semiannually. 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 station is a site 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.

On-Site Measurements and Sample Collection

A primary concern of the water-quality data acquisition efforts of the U.S. Geological Survey is how well the data collected represent on-site water-quality conditions. Measurements of unstable variables such as water temperature, pH, and dissolved oxygen are made on site when samples are taken to assure that the reported readings accurately represent the water-quality at the time of sampling. Standard Geological Survey procedures for the collection, treatment, and, if necessary, shipment of samples prior to laboratory analysis are also followed to assure that the constituents for which these samples are analyzed have changed minimally from their on-site values. Procedures for on-site measurements and for collecting, testing, and shipping samples are detailed in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1 and A4. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards.

One sample can adequately define 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 (NASQAN) program are obtained from at least several verticals. Whether samples collected at other sites 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.

Water Temperature

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

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.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples are usually 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 section. Although data collected periodically may represent conditions only at the time of sampling, data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of a 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. Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

Laboratory Measurements

Samples for indicator bacteria are analyzed locally. Samples for the National Stream Quality Accounting Network, the Hydrologic Bench-Mark Network (see definitions), and several long-term trend stations are analyzed in the Geological Survey laboratory in Arvada, Co. or Ocala, Fla. All sediment and bottom material samples are analyzed by the sediment laboratories located in various U.S. Geological Survey District Offices. Methods used to analyze sediment samples and to compute sediment records are described in TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards. In March 1989, the National Water-Quality Laboratory discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L have a median positive bias of 2 mg/L above the true value for the period between 1982 and 1989.

Data Presentation

Water-quality records collected at a surface-water daily-record station are published immediately following that record, regardless of the sampling frequency. Station number and name are the same for both records. If no daily surface-water record is available, continuing water-quality record is published with its own station number and name in the regular downstream-order sequence, while data for partial-record stations and miscellaneous sites appear in separate tables following tables of discharge at partial-record stations and miscellaneous sites. Here each partial-record station and miscellaneous site is published with its own station number and name in the regular downstream-order sequence and without descriptive statements.

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 constituents measured daily. Tables of chemical, physical, biological, and radiochemical data obtained at a frequency less than daily are presented first. In tables where both field and laboratory measurements of the same parameter are published (pH, specific conductance, and alkalinity in this report), the laboratory determinations represent the quality of the sample at the time of analysis. Laboratory values for parameters measured in the field generally will be comparable to the field values for these parameters. Differences between the field and laboratory values represent a summation of (1) actual changes in the sample between the time of collection and the time of analysis, (2) errors in precision associated with instrument operation, and (3) errors in accuracy inherent in the instruments themselves. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

If the location is identical to that of the discharge-gaging station, the LOCATION and the DRAINAGE AREA statements are not repeated in the descriptive headings. The following information, as appropriate, is provided with each continuing 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 constituents measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the constituents individually.

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor, temperature recorder, 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.

EXTREMES.--Maximums and minimums are given only for constituents measured daily or more frequently. None are given for constituents 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 water year.

REVISIONS.--If errors in 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, NWIS, 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.

Remark Codes

The remark codes that may appear with the water-quality data in this report are given at the beginning of the surface-water station records section of this report.

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, U.S. Environmental Protection Agency, and National Aeronautics and Space Administration, and various county and city agencies have collected records of water quality at many sites during the current water year.

Records of Ground-Water Levels

Water-level data from National and State networks 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 State's most important aquifers. Locations of the observation wells in this report are shown in figure 20. Measurements of water levels collected at numerous miscellaneous wells in several counties are published in this report.

Data Collection and Computation

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 ensure that measurements at each well are consistently accurate and reliable.

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 the local well number, an alphanumeric number, based on the Federal system of subdivision of public lands, by range and township lines, into rectangular areas of approximately 36 square miles. Each township is divided into 36 sections numbered from 1 in the northeast corner to 36 in the southeast corner. Similarly, each township is assigned a letter from A in the northeast township (of the top tier) through U in the southwest township (fig. 1). The wells within each township are numbered consecutively, as are sections in a township; for example, in township A they are designated A-1, A-2, A-3, and in township B, B-1, B-2, B-3.

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. Well 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 three parts, the station description, graphs of the water levels for the period of record and current water year, and a summary of water levels for the current water year consisting of the "MEAN", the average water level in feet for each month; the "LOW" and "HIGH", the lowest and highest daily mean water levels, respectively, for each month; and the annual water year mean water level and the highest and lowest water levels of the water year and their dates of occurrence are shown on the line below the monthly summary.

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) 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.

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

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

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 daily mean 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 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. A hydrograph for a selected period of record follows each water-level table.

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

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.

Records of Precipitation Quality

The precipitation-quality data presented in this report represent analyses of time-composite samples, most often for a collection period of one week. This is in contrast to most of the published surface-water-quality data which represent samples taken at specific times. Location of station for which records of precipitation appear is shown in figure 21.

On-Site Measurements and Sample Collection

Precipitation samples are collected with wet/dry collectors or bulk samplers. The wet/dry collector is the preferred precipitation sampler and consists of a bucket which is open only during periods of wet (rainfall, snow, etc.) precipitation. During dry periods the sample bucket is covered, thus excluding dry-fall precipitation from the sample. Bulk samplers are less desirable because they collect both wet- and dry-fall precipitation. However, they are useful as backups during times when the wet/dry samplers fail to properly function. Bulk samplers consist of a catchment area, such as a funnel, where the sample is collected and then fed through a delivery tube to the sample receptacle. The tubing is looped in order to minimize sample evaporation. If necessary, wet/dry samplers can also be used as makeshift bulk samplers by leaving them in the open position for the collection period.

Accurate measurements of precipitation quantity also are made at each station. One of two types of recording gages is normally used. National Trends Network (NTN) stations are equipped with weighing- bucket rain gages, which graphically record rainfall as well as count rainfall events. The other commonly-used recording gage consists of a rainfall catchment pipe and a float-driven digital recorder which periodically records the water-level in the pipe.

Time-composite wet- and bulk-precipitation samples are collected and brought back to the laboratory and weighed. Rainfall quantity is estimated from the sample weight. A temperature-density correction can be applied if desired but normally this correction results in a very small change in the estimated quantity of rainfall. An estimation of the sampler efficiency is made by computing the ratio of rainfall amount collected in the sample bucket to that measured by the recording rain gage. This collector efficiency ratio is an important indicator of possible collector malfunction. For example, a ratio substantially less than one indicates that the wet/dry collector was not opening properly and thus, excluding rainfall.

After weighing the sample, a small portion is removed for measurement of pH, specific conductance, and, in some instances, titratable acidity. The pH and specific conductance are both determined electrometrically according to methods described in the National Atmospheric Deposition Program "*NADP Instruction Manual: Site Operation*". The remainder of the sample is then used for laboratory chemical analyses. This portion of the sample is shipped to the laboratory raw and untreated. In the case of NTN operation, the original bucket is resealed and mailed to the Illinois State Water Survey Central Analytical Laboratory (CAL) for analysis. In all other instances, sample portions are preserved, treated, and analyzed according to specific project requirements.

Data Presentation

Records of precipitation quality are published following the "Records of ground-water" section of this report. As with records of daily water discharge and surface-water quality, precipitation-quality records consist of two parts, a station header and a data table. The station header contains the descriptive information pertinent to the establishment, location, and operation of the site. Records are presented alphabetically by county and, within each county, by latitude, longitude, and sequence number. As with ground-water wells, the primary site identifier used for precipitation-quality stations in this report is the 15-digit composite of these three numbers. The following text presents a clarification of the subheadings which follow the station identification number and station name.

LOCATION.--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 precipitation-quality records for the station. Periods of record are presented separately for each type of sample collected at the site (in this report, either wet precipitation, bulk precipitation, or both).

INSTRUMENTATION.--In this section, an abbreviated-style listing of the data-recording and sample-collection equipment permanently housed at the site is presented.

REMARKS.--This section is reserved for comments pertaining to unusual or extraordinary circumstances or to qualifying information which must be used to accurately interpret the data presented for the site. More general comments which may pertain to several or all of the sites are presented in the "EXPLANATION OF RECORDS" section in the introductory part of the report.

ACCESS TO WATSTORE DATA

The U.S. Geological Survey provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the world wide web (WWW). These data may be accessed at <http://water.usgs.gov>.

Some water-quality and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on magnetic tape or 3¹/₂ inch floppy disk. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division District Offices. (See address on the back of the title page.)

DEFINITION OF TERMS

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

Acid neutralizing capacity (ANC) is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalent point.

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

Adenosine triphosphate (ATP) is an organic, high-energy phosphate-bond containing compound used by living cells as an energy source for biochemical reactions. Its central role in living cells makes it an excellent indicator of the presence of living material in water. A measure of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter of the original water sample.

Algae are mostly aquatic unicellular, colonial, or multicellular plants which contain chlorophyll and other pigments.

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample.

Alkalinity is a measure of the proton-accepting capacity of a solution. This property is also referred to as its "acid-neutralizing capacity", and is equal to the sum concentration of all proton acceptors in the solution or the total strong base concentration. Total alkalinity is operationally defined as the alkalinity neutralized by titration with a strong acid to the carbonic acid equivalence point.

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

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

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, and often clumped into colonies. Some bacteria cause disease, while 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 group of bacteria 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 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all 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 also found in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C $\pm$ 1.0°C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Enterococcus bacteria are commonly found in the feces of humans and other warm-blooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of enterococci in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria which produce pink to red colonies with black or reddish-brown precipitate after incubation at 41°C or mE agar and subsequent transfer to EIA medium. Enterococci include *Streptococcus faecalis*, *Streptococcus faecium*, *Streptococcus avium*, and their variants.

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

Benthic invertebrates are invertebrate animals inhabiting the bottoms of lakes, streams, and other water bodies. They are useful as indicators of water quality.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by 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 mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2).

Dry mass refers to the mass of residue present after drying in an oven at 105°C for zooplankton and periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between dry mass and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

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

Cfs-day ($\text{ft}^3/\text{s}/\text{d}$) is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 2,447 cubic meters, 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 in most plant tissue. Chlorophyll a and b are the two most common pigments in plants.

Collector efficiency is a measure of the quantity of wet precipitation (usually rain) collected by a precipitation collector relative to that which actually fell from the atmosphere. Operationally, this measure is taken as the ratio of rain volume in the precipitation collector to rain volume measured by a recording rain gage.

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.

Continuing-record station is a specified site which meets one or all conditions listed:

1. When chemical samples are collected daily or monthly for 10 or more months during the water year.
2. When water temperature records include observations taken one or more times daily.
3. When sediment discharge records include periods for which sediment loads are computed and are considered to be representative of the runoff for the water year.

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

Control structure is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

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

Cubic feet per second per square mile [$(\text{ft}^3/\text{s})/\text{mi}^2$ or CFSM] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

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

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

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

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

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

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

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

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

Extractable organic halides (EOX) are organic compounds which contain halogen atoms such as chlorine. These organic compounds are semi-volatile and extractable by ethyl acetate from air-dried stream bottom sediments. The ethyl acetate extract is combusted, and the concentration is determined by microcoulometric determination of the halides formed. The concentration is reported as micrograms of chlorine per gram of the dry weight of the stream bottom sediments.

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

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent concentration of calcium carbonate (CaCO_3).

High tide is the maximum height reached by each rising tide.

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

Land-surface datum (lsd) is a reference plane that is approximately at land surface at a well from which depth or height to water surface is measured.

Low tide is the minimum height reached by each falling tide.

Mean high tide is the average of all high tides over a specified period.

Mean low tide is the average of all low tides over a specified period.

Mean water level is the average of all tides over a specified period.

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

Membrane filter is a thin microporous material of specific pore size used to filter bacteria, algae, and other very small particles from water.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Methylene blue active substances (MBAS) are apparent detergents. The determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

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

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

MicroSiemens per centimeter ($\mu\text{S}/\text{cm}$, US/CM) is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.

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 solution. 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.

Most probable number (MPN) is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory examination; it is not an actual enumeration. It is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

Multiple-plate samples are artificial substrates of known surface area used for obtaining benthic-invertebrate samples. They consist of a series of spaced, hardboard plates on an eyebolt.

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

Organism is any living entity.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per unit area habitat, usually square meter (m^2), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

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

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Parameter Code is a 5-digit number used in the U.S. Geological Survey computerized data system, WATSTORE, to uniquely identify a specific variable. The codes used in WATSTORE are mostly the same as those used in the U.S. Environment Protection Agency data system, STORET. The Environmental Protection Agency assigns and approves all requests for new codes.

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

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

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

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

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

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.

Periphyton is the assemblage of microorganisms attached to and living upon submerged solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms.

Pesticides are chemical compounds used to control undesirable plants and animals. 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 (dps). A picocurie yields 2.22 disintegrations per minute (dpm).

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

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

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce gal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample.

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

Polychlorinated biphenyls (PCB's) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic and chemosynthetic activity of producer organisms (chiefly, green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated by the plants (carbon method).

Milligrams of carbon per area or volume per unit time [$\text{mg C}/(\text{m}^2 \cdot \text{time})$] for periphyton and macrophytes and $\text{mg C}/(\text{m}^3 \cdot \text{time})$ for phytoplankton are units for expressing primary productivity. They define the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light and dark bottle method, and is preferred for use in unenriched waters. Unit time may be either hour or day, depending on the incubation period.

Milligrams of oxygen per area or volume per unit time [$\text{mg O}_2/(\text{m}^2 \cdot \text{time})$] for periphyton and macrophytes and $\text{mg O}_2/(\text{m}^3 \cdot \text{time})$ for phytoplankton are the units for expressing primary productivity. They define production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light-and dark-bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either hour or day, depending on the incubation period.

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

Return period is the average time interval between occurrences of a hydrological event of a given or greater magnitude, usually expressed in years. May also be called recurrence interval.

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

Sea level refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along the bed and close to it. In this report bed load is considered to consist of particles in transit within 0.25 ft of the streambed.

Bed load discharge (tons per day) is the quantity of bed load measured by dry weight that moves past a section as bed load in a given time.

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).

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

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 calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft³/s) x 0.0027.

Suspended-sediment load is a general term that refers to material in suspension. It is not synonymous with either discharge or concentration.

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

Total-sediment load or total load is a term which refers to the total sediment (bed load plus suspended-sediment load) that is in transport. It is not synonymous with total-sediment discharge.

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within 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 a solvent (such as water).

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

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

Substrate is the physical surface upon which an organism lives.

Natural substrate refers to any naturally occurring emerged or submerged solid surface, such as a rock or tree, upon which an organism lives.

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

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

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is associated with the material retained on 0.45- micrometer filter.

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 μm 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 concentration 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 μm 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 determination of (1) dissolved and (2) total concentration of the constituent.

Synoptic studies are short-term investigations of specific water-quality conditions during selected seasonal or hydrologic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminant sources.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata*, is the following:

Kingdom.....Animalia
Phylum.....Arthropoda
Class.....Insecta
Order.....Ephemeroptera
Family.....Ephemeridae
Genus.....Hexagenia
Species.....Hexagenia limbata

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.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

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

Tons per day (T/DAY) is the quantity of 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" indicates that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total discharge is the total quantity of any individual constituent, as measured by dry mass or volume, that passes through a stream cross-section per unit of time. This term needs to be qualified, such as "total sediment discharge," and so on.

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.

Volatile Organic Compounds (VOCs) are organic compounds that can be isolated from the water phase of a sample by purging the water sample with inert gas, such as helium, and subsequently analyzed by gas chromatography. Many VOCs are man-made chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They are often components of fuels, solvents, hydraulic fluids, paint thinners, and dry cleaning agents commonly used in urban settings. VOC contamination of drinking-water supplies is a human health concern because many are toxic and are known or suspected human carcinogens (U.S. Environmental Protection Agency, 1996).

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, 1999, is called the "1999 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).

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found, thoroughly mixed, in a reservoir containing all the water passing a given location during the water year.

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

TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS OF THE U.S. GEOLOGICAL SURVEY

The U.S.G.S. 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.G.S., Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be made in the form of a 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 mention the "U.S. Geological Survey Techniques of Water-Resources Investigations."

Book 1. Collection of Water Data by Direct Measurement**Section D. Water Quality**

- 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, chap. 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, chap. D2. 1976. 24 pages.

Book 2. Collection of Environmental Data**Section D. Surface Geophysical Methods**

- 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, chap. D1. 1974. 116 pages.
- 2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F.P. Haeni: USGS-TWRI book 2, chap. D2. 1988. 86 pages.

Section E. Subsurface Geophysical Methods

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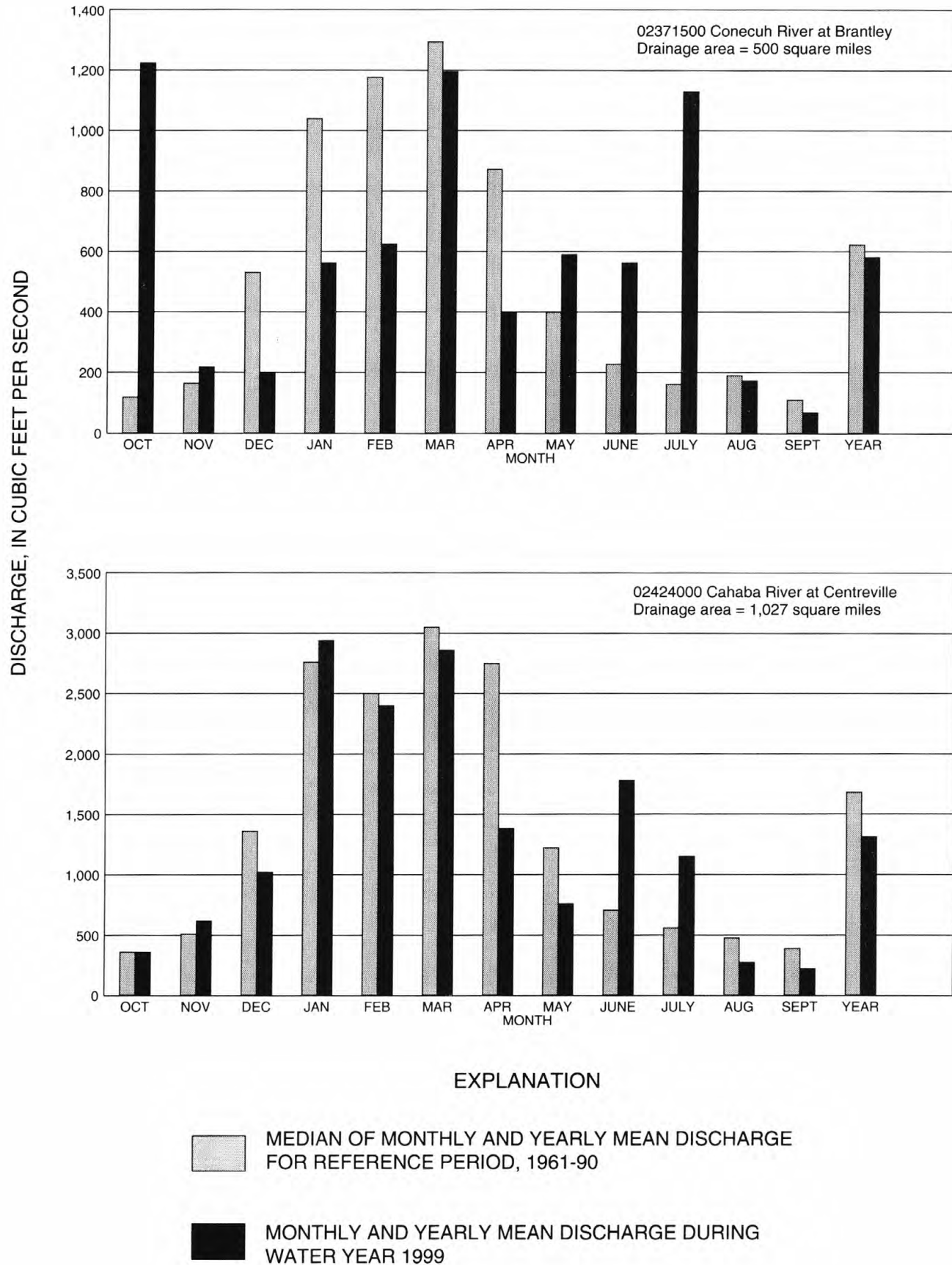


Figure 2.--Comparison of discharge for water year 1999 to the base period 1961-90 at two long-term representative gaging stations.

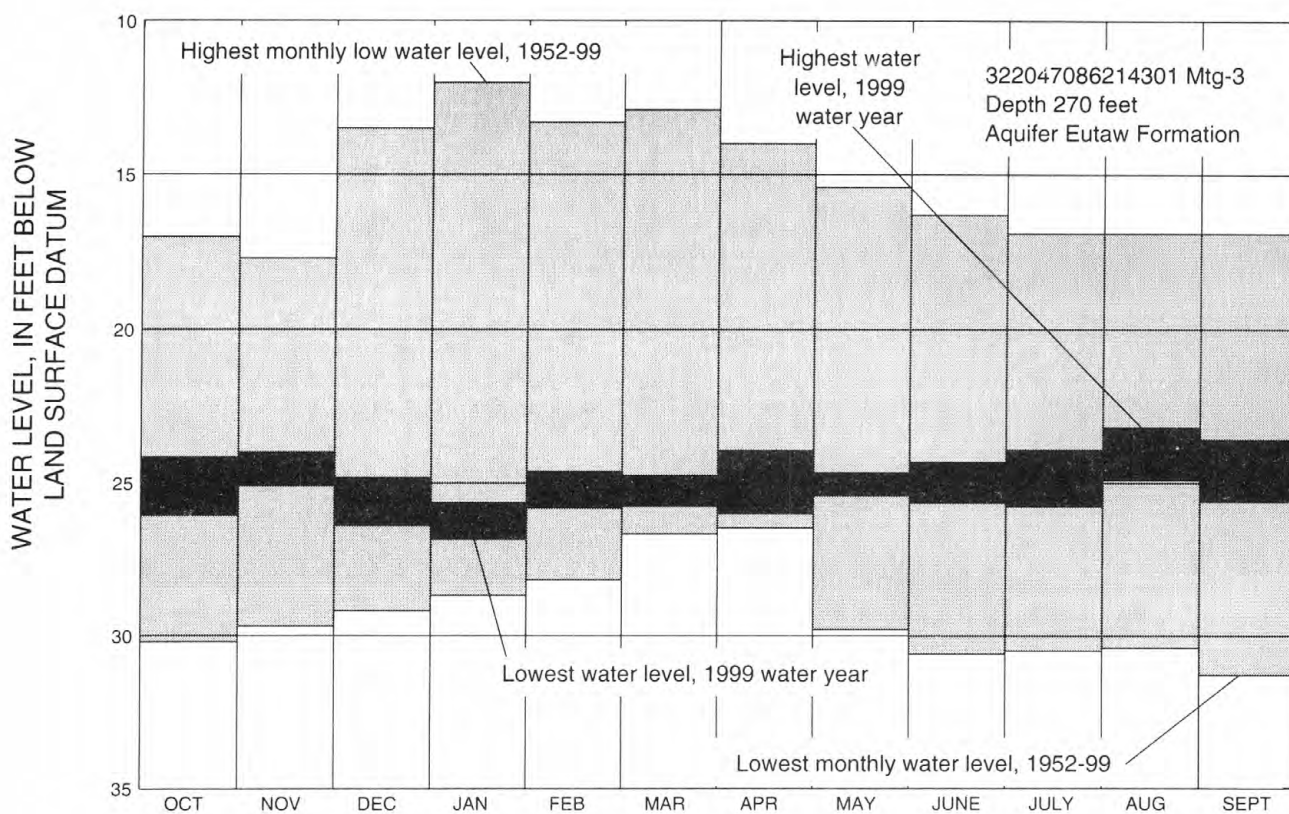


Figure 3.--Comparison of monthly low water levels for water year 1999 to the highest and lowest monthly low water levels for the period of record for an observation well.

TABLE 2.--SITES IN ALABAMA BY BASIN AND FIGURE NUMBER

(NOTE: Type: Q, continuous streamflow; G, gage height or elevation; FH, flood hydrograph; S, sediment; QW, water quality sample site; QWC, continuous water quality data; L, lake; C, crest stage)

Station name	County	Station number	Lat/Long	Type (see note)	Fig.
APALACHICOLA RIVER BASIN					
West Point Lake near West Point, GA	Troup Co., Ga.	02339400	32°55'05"/85°11'17"	L	4
Chattahoochee River at West Point, GA	Troup Co., Ga.	02339500	32°53'10"/85°10'56"	Q, G	4
Chattahoochee River at Columbus, GA	Muscogee Ga.-Russell	02341500	32°27'45"/84°59'52"	Q, G	4
Uchee Creek near Fort Mitchell	Russell	02342500	32°19'00"/85°00'54"	Q	4
South Fork Cowkiee Creek near Batesville	Barbour	02342933	32°01'03"/85°17'45"	Q	4
Chattahoochee River at Coast Guard Dock at Eufaula	Barbour	0234296910	31°54'29"/85°08'42"	G	4
Walter F. George Lake near Fort Gaines, GA	Clay Co., Ga.	02343240	31°37'27"/85°04'03"	L	4
Chattahoochee River near Columbia	Early Co., Ga.-Houston	02343801	31°15'33"/85°06'37"	Q	4
CHOCTAWHATCHEE RIVER BASIN					
Choctawhatchee River near Newton	Dale	02361000	31°20'34"/85°36'38"	Q, G	4
Little Double Bridges Creek near Enterprise	Coffee	02362240	31°16'20"/85°57'30"	Q	4
Pea River near Arifton	Dale	02363000	31°35'41"/85°46'59"	Q	4
Pea River tributary near Roeton	Coffee	02363005	31°35'45"/85°48'36"	C	4
Pea River at Elba	Coffee	02364000	31°24'48"/86°03'47"	G	4
BLACKWATER RIVER BASIN					
Blackwater River near Bradley	Escambia	02369800	31°01'39"/86°42'36"	Q	4
ESCAMBIA					
Conecuh River at Brantley	Crenshaw	02371500	31°32'24"/86°15'06"	Q	5
Patsaliga Creek near Brantley	Crenshaw	02372250	31°34'46"/86°24'20"	Q	5
Conecuh River below Point A Dam near River Falls	Covington	02372422	31°21'40"/86°31'11"	Q, G	5
Sepulga River near McKenzie	Conecuh	02373000	31°27'13"/86°47'13"	Q	5
Conecuh River at Highway 41 near Brewton	Escambia	02374250	31°04'01"/87°03'42"	Q, G	5
Murder Creek near Evergreen	Conecuh	02374500	31°25'06"/86°59'12"	Q	5
Murder Creek at Highway 41 at Brewton	Escambia	02374700	31°06'03"/87°04'08"	Q, G	5
Burnt Corn Creek near Brewton	Escambia	02374745	31°07'47"/87°05'14"	Q	5
Escambia River near Century, FL	Santa Rosa Co, Fla.	02375500	30°57'54"/87°14'03"	Q	5
PERDIDO RIVER BASIN					
Perdido River at Barrineau Park, FL	Baldwin	02376500	30°41'25"/87°26'25"	Q, QW	5
Styx River near Elsanor	Baldwin	02377570	30°36'20"/87°32'50"	Q	5
FISH RIVER BASIN					
Magnolia River at US 98 near Foley	Baldwin	02378300	30°24'23"/87°44'13"	Q	5
Fish River near Silver Hill	Baldwin	02378500	30°32'43"/87°47'55"	Q	5
MOBILE RIVER BASIN					
Chattooga River above Gaylesville	Cherokee	02398300	34°17'25"/85°30'33"	Q, QW	6
West Fork Little River, DeSoto Park near Fort Payne	DeKalb	02398950	34°29'30"/85°37'00"	Q	6
Little River near Blue Pond	Cherokee	02399200	34°17'20"/85°40'50"	Q	6
Weiss Lake near Leesburg	Cherokee	02399499	34°10'19"/85°45'14"	L	6
Coosa River at Leesburg	Cherokee	02399500	34°10'36"/85°45'15"	G	6
Terrapin Creek at Ellisville	Cherokee	02400100	34°03'54"/85°36'51"	Q	6
Coosa River at Gadsden Steamplant near Gadsden	Etowah	02400496	34°00'50"/85°58'13"	G	6
Coosa River at Gadsden	Etowah	02400500	34°00'37"/85°59'52"	G	6
Big Wills Creek near Reece City	Etowah	02401000	34°05'53"/86°02'17"	Q	6
Big Canoe Creek at Ashville	St. Clair	02401390	33°50'23"/86°15'46"	Q	6
H. Neely Henry Reservoir near Gadsden	Calhoun	02401620	33°47'02"/86°03'10"	L	6
Choccolocco Creek at Oxford	Calhoun	02403395	33°36'01"/85°49'40"	Q	6
Choccolocco Creek at Jackson Shoals near Lincoln	Talladega	02404400	33°32'54"/86°05'49"	Q	6
Logan Martin Reservoir near Childersburg	St. Clair	02405200	33°24'33"/86°20'17"	L	6
Kelly Creek near Vincent	Shelby	02405500	33°26'51"/86°23'13"	Q	6
Talladega Creek at Alpine	Talladega	02406500	33°21'34"/86°14'03"	Q	6
Coosa River at Childersburg	Shelby	02407000	33°17'30"/86°21'50"	G	6
Coosa River at Gaston Steamplant near Wilsonville	Shelby	02407526	33°14'28"/86°27'30"	G	6

Station name	County	Station number	Lat/Long	Type (see note)	Fig.
Lay Lake near Clanton	Chilton	02407950	32°57'54"/86°31'03"	L	6
Hatchet Creek below Rockford	Coosa	02408540	32°55'00"/86°16'13"	Q	6
Mitchell Lake near Clanton	Chilton	02409400	32°48'30"/86°26'30"	L	6
Jordan Lake near Wetumpka	Elmore	02410400	32°37'07"/86°15'19"	L	6
Coosa River at Jordan Dam near Wetumpka	Elmore	02411000	32°36'50"/86°15'18"	Q	6
Coosa River at Wetumpka	Elmore	02411600	32°32'13"/86°12'32"	G	6
Tallapoosa River near Heflin	Cleburne	02412000	33°37'22"/85°30'48"	Q	7
Little Tallapoosa River near Newell	Randolph	02413300	33°26'14"/85°23'57"	Q	7
Harris Reservoir near Wedowee	Randolph	02413950	33°15'37"/85°37'00"	L	7
Tallapoosa River at Wadley	Randolph	02414500	33°07'00"/85°33'39"	Q, G	7
High Pine Creek near Roanoke	Randolph	02414525	33°09'31"/85°24'06"	Q	7
Tallapoosa River near New Site	Tallapoosa	02414715	32°58'38"/85°44'23"	Q	7
Hillabee Creek near Hackneyville	Tallapoosa	02415000	33°04'00"/85°52'45"	Q	7
Norrell Branch near Dadeville	Tallapoosa	02416481	32°46'20"/85°46'13"	C	7
Lake Martin near Tallassee	Tallapoosa	02417500	32°40'41"/85°54'30"	L	7
Sougahatchee Creek above Reeltown	Tallapoosa	02418264	32°36'50"/85°43'25"	QW	7
Tallapoosa River below Tallassee	Tallapoosa	02418500	32°33'15"/85°53'21"	Q	7
Uphabee Creek near Tuskegee	Macon	02419000	32°28'36"/85°41'42"	Q	7
Tallapoosa River at Milstead	Elmore	02419500	32°26'58"/85°53'33"	G	7
Tallapoosa River near Montgomery	Montgomery	02419890	32°26'23"/86°11'44"	Q, G	7
Three Mile Branch at North Blvd. at Montgomery	Montgomery	02419977	32°25'20"/86°15'18"	Q, QW	8
Alabama River at Montgomery	Montgomery	02419988	32°23'31"/86°19'04"	G	8
Alabama River near Montgomery	Montgomery	02420000	32°24'41"/86°24'30"	FH, S	8
Catoma Creek near Montgomery	Montgomery	02421000	32°18'26"/86°17'58"	Q	8
Pintlalla Creek tributary near Sellers	Montgomery	02421105	32°04'38"/86°21'18"	C	8
Pintlalla Creek near Pintlalla	Montgomery	02421115	32°09'10"/86°21'13"	Q, QW	8
Mulberry Creek at Jones	Dallas	02422500	32°34'58"/86°54'13"	Q	8
Alabama River at Selma	Dallas	02423000	32°24'20"/87°01'07"	G	8
Cahaba River at Trussville	Jefferson	02423130	33°37'20"/86°35'58"	Q, QWC	9
Big Black Creek near Leeds	Jefferson	02423190	33°35'45"/86°31'54"	Q	9
Cahaba River near Mountain Brook	Jefferson	02423380	33°28'54"/86°42'46"	Q, QW, QWC	9
Little Cahaba River below Leeds	Jefferson	02423397	33°32'56"/86°33'45"	Q, QWC	9
Little Cahaba River near Leeds	Jefferson	02423398	33°31'27"/86°34'32"	Q, QWC	9
Little Cahaba River near Jefferson Park	Jefferson	02423400	33°29'59"/86°36'51"	Q, QW, QWC	9
Little Cahaba River below Dam near Cahaba Heights	Shelby	02423410	33°27'36"/86°40'13"	Q, QW	9
Cahaba River near Cahaba Heights	Shelby	02423425	33°24'56"/86°44'23"	Q	9
Cahaba River near Hoover	Jefferson	02423496	33°22'09"/86°47'03"	Q, QWC	9
Cahaba River near Acton	Jefferson	02423500	33°21'48"/86°48'47"	Q	9
Cahaba Valley Creek at Pelham	Shelby	0242354750	33°18'48"/86°48'23"	Q, QW	9
Cahaba River near Helena	Shelby	02423555	33°17'04"/86°52'58"	Q	9
Shades Creek at Samford University at Homewood	Jefferson	02423581	33°27'40"/86°47'36"	QW	9
Shades Creek near Greenwood	Jefferson	02423630	33°19'34"/86°56'59"	Q	9
Cahaba River at Centreville	Bibb	02424000	32°56'42"/87°08'21"	Q, G, QW	9
Cahaba River near Suttle	Perry	02424590	32°31'45"/87°11'56"	Q, S	9
Cahaba River near Marion Junction	Dallas	02425000	32°26'38"/87°10'49"	Q, S	9
Pine Barren Creek near Snow Hill	Wilcox	02427250	31°59'46"/87°04'06"	Q	8
Alabama River at Claiborne L&D near Monroeville	Monroe	02428400	31°36'54"/87°33'02"	Q	8
Alabama River below Claiborne L&D near Monroeville	Monroe	02428401	31°36'48"/87°33'10"	G	8
Alabama River at Claiborne	Monroe	02429500	31°32'48"/87°30'45"	S, QW	8
Buttahatchee River below Hamilton	Marion	02438000	34°06'22"/87°59'22"	Q	10
Luxapallila Creek at Millport	Lamar	02442500	33°34'30"/88°05'00"	FH	10
Kincaide Creek trib near Ethelsville	Pickens	02443730	33°24'14"/88°10'54"	C	10
Tombigbee River at Bevill L&D near Pickensville	Pickens	02444160	33°12'38"/88°17'19"	Q	10
Bogue Chitto Creek near Memphis	Pickens	02444490	33°05'32"/88°17'58"	Q, QW	10
Tombigbee River near Cochrane	Pickens	02444500	33°04'52"/88°14'16"	G	10

Station name	County	Station number	Lat/Long	Type (see note)	Fig.
Sipsey River near Elrod	Tuscaloosa	02446500	33°15'25"/87°46'35"	Q	10
Tombigbee River at Heflin L&D near Gainesville	Greene	02447025	32°50'53"/88°09'22"	Q	10
Noxubee River near Geiger	Sumter	02448500	32°55'57"/88°17'52"	Q	10
Bodka Creek near Geiger	Sumter	02448900	32°48'25"/88°18'43"	Q	10
Duck River near Berlin	Cullman	02449840	34°10'19"/86°41'42"	G	11
Blue Springs Creek near Blountsville	Blount	02449882	34°04'47"/86°36'28"	Q	11
Mulberry Fork near Garden City	Blount	02450000	33°59'42"/86°44'56"	Q	11
Mulberry Fork near Arkadelphia	Blount	02450180	33°52'00"/86°55'20"	Q	11
Sipsey Fork near Grayson	Winston	02450250	34°17'07"/87°23'56"	Q	11
Clear Creek at New Hope Church near Poplar Spring	Winston	02450825	34°04'52"/87°25'22"	Q	11
Lewis Smith Reservoir near Jasper	Walker	02451950	33°56'26"/87°06'28"	L	11
Blackwater Creek near Manchester	Walker	02453000	33°54'30"/87°15'25"	Q	11
Mulberry Fork at Cordova	Walker	02453500	33°45'27"/87°10'13"	G	11
Lost Creek above Parrish	Walker	02454055	33°44'30"/87°19'37"	Q, QW	11
Locust Fork below Snead	Blount	02454500	34°08'04"/86°23'12"	QW	12
Graves Creek below Blountsville	Blount	02454995	34°02'42"/86°34'19"	Q	12
Locust Fork near Cleveland	Blount	02455000	34°01'28"/86°34'27"	Q	12
Blackburn Fork near Holly Springs	Blount	02455185	33°51'38"/86°26'45"	Q, QW	12
Turkey Creek at Sewage Plant near Pinson	Jefferson	02455980	33°42'40"/86°41'46"	Q, QWC	12
Crooked Creek near Morris	Jefferson	02456305	33°42'28"/86°51'35"	Q, QW	12
Locust Fork at Sayre	Jefferson	02456500	33°42'35"/86°59'00"	Q	12
Fivemile Creek at Lawson Road near Tarrant City	Jefferson	02456980	33°36'27"/86°44'35"	Q	12
Barton Branch near Tarrant City	Jefferson	02456998	33°36'38"/86°33'33"	Q	12
Fivemile Creek at Ketona	Jefferson	02457000	33°36'05"/86°45'20"	Q	12
Fivemile Creek near Republic	Jefferson	02457595	33°35'49"/86°52'05"	Q, QWC	12
Fivemile Creek below Prudes Creek near Graysville	Jefferson	02457670	33°38'32"/86°57'15"	Q, QWC	12
Village Creek at 86th Street N at Roebuck	Jefferson	02458148	33°34'37"/86°43'08"	Q	12
Village Creek at Apalachee Street in Ensley, Birmingham	Jefferson	02458200	33°32'45"/86°47'09"	Q	12
Village Creek at 24th Street at Birmingham	Jefferson	02458300	33°32'33"/86°49'03"	Q	12
Village Creek at Ave. W at Ensley	Jefferson	02458450	33°31'03"/86°52'45"	Q, QWC	12
Village Creek near Pratt City	Jefferson	02458502	33°31'59"/86°53'59"	Q	12
Village Creek near Docena	Jefferson	02458600	33°32'53"/86°55'33"	Q, QWC	12
Valley Creek near Bessemer	Jefferson	02461500	33°25'09"/86°58'58"	Q	13
Halls Creek near Bessemer	Jefferson	02461630	33°23'58"/86°59'01"	Q	13
Valley Creek below Bessemer	Jefferson	02461640	33°24'00"/86°59'32"	Q, QW	13
Valley Creek near Oak Grove	Jefferson	02462000	33°26'50"/87°07'20"	Q	13
Black Warrior River at Bankhead L&D near Bessemer	Jefferson	02462500	33°27'30"/87°21'15"	Q	13
Black Warrior River bl Bankhead L&D near Bessemer	Jefferson	02462501	33°27'25"/87°21'18"	G, QW	13
Black Warrior River at Holt L&D near Holt	Tuscaloosa	02462951	33°15'11"/87°26'57"	Q	13
Black Warrior River below Holt L&D near Holt	Tuscaloosa	02462952	33°15'10"/87°27'05"	G	13
Hurricane Creek near Holt	Tuscaloosa	02463500	33°13'45"/87°26'55"	QW	13
North River near Samantha	Tuscaloosa	02464000	33°28'45"/87°35'50"	Q, QW, QWC	13
Turkey Creek near Tuscaloosa	Tuscaloosa	02464146	33°24'48"/87°30'38"	Q, QW, QWC	13
Binion Creek below Gin Creek near Samantha	Tuscaloosa	02464360	33°25'29"/87°38'33"	Q, QW, QWC	13
Lake Tuscaloosa near Tuscaloosa	Tuscaloosa	02464800	33°16'02"/87°30'22"	G, QW	13
Black Warrior River at Oliver L&D near Northport	Tuscaloosa	02465000	33°12'33"/87°35'24"	Q	13
Black Warrior River below Oliver L&D at Tuscaloosa	Tuscaloosa	02465005	33°12'28"/87°35'36"	G	13
Cribbs Mill Creek at Greensboro Ave. at Tuscaloosa	Tuscaloosa	02465288	33°10'34"/87°32'52"	QW	13
Elliotts Creek at Moundville	Hale	02465493	32°59'50"/87°37'20"	Q	13
Black Warrior River at Selden L&D near Eutaw	Hale	02466030	32°46'40"/87°50'26"	Q	13
Black Warrior River below Selden Lock near Sawyerville	Hale	02466040	32°46'10"/87°49'40"	G	13
Tombigbee River at Demopolis L&D near Coatopa	Marengo	02467000	32°31'15"/87°52'39"	Q	14
Tombigbee River below Demopolis L&D near Coatopa	Marengo	02467001	32°31'15"/87°52'48"	G	14
Sucarnoochee River at Livingston	Sumter	02467500	32°34'25"/88°11'36"	Q	14
Tombigbee River near Nanafalia	Choctaw-Marengo	02469525	32°07'48"/88°02'28"	G, S	14

Station name	County	Station number	Lat/Long	Type (see note)	Fig.
Tombigbee River at Coffeerville L&D near Coffeerville	Choctaw	02469761	31°45'30"/88°07'45"	Q	14
Tombigbee River below Coffeerville L&D near Coffeerville	Choctaw	02469762	31°45'30"/88°07'35"	G, QW	14
Harris Creek near Campbell	Clarke	02469795	31°53'53"/88°00'44"	C	14
Satilpa Creek near Coffeerville	Clarke	02469800	31°44'39"/88°01'21"	Q, QW	14
Bassett Creek at U.S. Highway 43 near Thomasville	Clarke	02470072	31°51'50"/87°44'50"	Q	14
Mobile River at Bucks	Mobile	02470630	31°00'10"/88°01'40"	C	15
Chickasaw Creek near Kushla	Mobile	02471001	30°48'10"/88°08'36"	Q, QW	15
Eightmile Creek at Mobile	Mobile	0247100550	30°44'05"/88°09'39"	Q, QW	15
Fowl River at Half Mile Road near Laurendine	Mobile	02471078	30°30'02"/88°10'53"	Q	15
PASCAGOULA RIVER BASIN					
Pond Creek near Deer Park	Washington	02479431	31°09'39"/88°21'43"	Q	16
Escatawpa River near Agricola, MS	George Co., MS	02479560	30°48'12"/88°27'31"	Q	16
Big Creek at County Road 63 near Wilmer	Mobile	02479945	30°41'21"/88°20'22"	Q, QW	16
Crooked Creek near Fairview	Mobile	02479980	30°46'48"/88°19'08"	Q, QW	16
Hamilton Creek at Snow Road near Semmes	Mobile	02480002	30°43'33"/88°16'35"	Q, QW	16
TENNESSEE RIVER BASIN					
Scarham Creek near McVile	Marshall	03573182	34°17'54"/86°07'00"	Q, QW	17
Guntersville Lake near Guntersville	Marshall	03574000	34°25'17"/86°23'34"	L	17
Paint Rock River near Woodville	Jackson	03574500	34°37'27"/86°18'23"	Q	18
Little Paint Creek near Woodville	Jackson	03574550	34°36'17"/86°16'35"	QW	18
Hester Creek near Plevna	Madison	0357479650	34°57'39"/86°27'49"	Q, QW	18
Flint River at Brownsboro	Madison	03575100	34°44'57"/86°26'48"	Q, QW	18
Big Cove Creek at Dug Hill Road near Huntsville	Madison	0357526200	34°42'17"/86°30'44"	FH	18
Tennessee River at Whitesburg	Madison	03575500	34°34'18"/86°33'29"	G	18
Aldridge Creek at Toney Drive at Huntsville	Madison	0357568650	34°41'53"/86°33'02"	FH	18
Martin Hollow near Huntsville	Madison	0357568820	34°41'07"/86°32'43"	C	18
Aldridge Creek at Sherwood Drive near Huntsville	Madison	0357568980	34°39'51"/86°33'15"	FH	18
Aldridge Creek near Farley	Madison	03575700	34°37'26"/86°32'28"	FH	18
Indian Creek near Madison	Madison	03575830	34°41'50"/86°42'00"	Q, QW	18
Fagan Creek at Adams Street at Huntsville	Madison	0357586650	34°43'21"/86°34'30"	FH	18
W Fork Pinhook Creek at Blue Springs at Huntsville	Madison	0357587090	34°47'18"/86°35'55"	FH	18
E Fork Pinhook Creek, Winchester Road at Huntsville	Madison	0357587140	34°47'34"/86°35'21"	FH	18
Pinhook Creek at Mastin Lake Road at Huntsville	Madison	0357587400	34°46'17"/86°35'32"	FH	18
Dallas Branch at Huntsville	Madison	0357587728	34°44'44"/86°34'27"	FH	18
Pinhook Creek at Huntsville	Madison	03575890	34°43'39"/86°35'36"	FH	18
Brogan Branch at Oakwood Ave. at Huntsville	Madison	0357591500	34°44'58"/86°37'31"	FH	18
Brogan Branch at Huntsville	Madison	03575933	34°43'24"/86°36'06"	FH	18
Huntsville Spring Branch near Huntsville	Madison	03575950	34°41'24"/86°35'47"	FH	18
McDonald Creek near Huntsville	Madison	03575980	34°41'33"/86°37'39"	FH	18
Limestone Creek near Athens	Limestone	03576250	34°45'06"/86°49'24"	Q	18
Flint Creek near Falkville	Morgan	03576500	34°23'23"/86°56'01"	Q	18
Tennessee River at Decatur	Morgan	03577150	34°26'47"/86°58'26"	G	18
Wheeler Lake near Decatur	Lawrence	03586000	34°47'52"/87°22'51"	L	19
Big Nance Creek at Courtland	Lawrence	03586500	34°40'12"/87°19'02"	Q	19
Wilson Lake near Florence	Colbert	03589000	34°47'46"/87°37'27"	L	19
Tennessee River at Florence	Lauderdale	03589500	34°47'13"/87°40'12"	G	19
Sinking Creek near Woodland	Lauderdale	03590638	34°47'22"/87°50'31"	QW	19
Tennessee River at Smithsonia	Lauderdale	03590680	34°47'20"/87°53'10"	G	19
Bear Creek at Red Bay	Franklin	03592000	34°26'38"/88°06'56"	QW	19

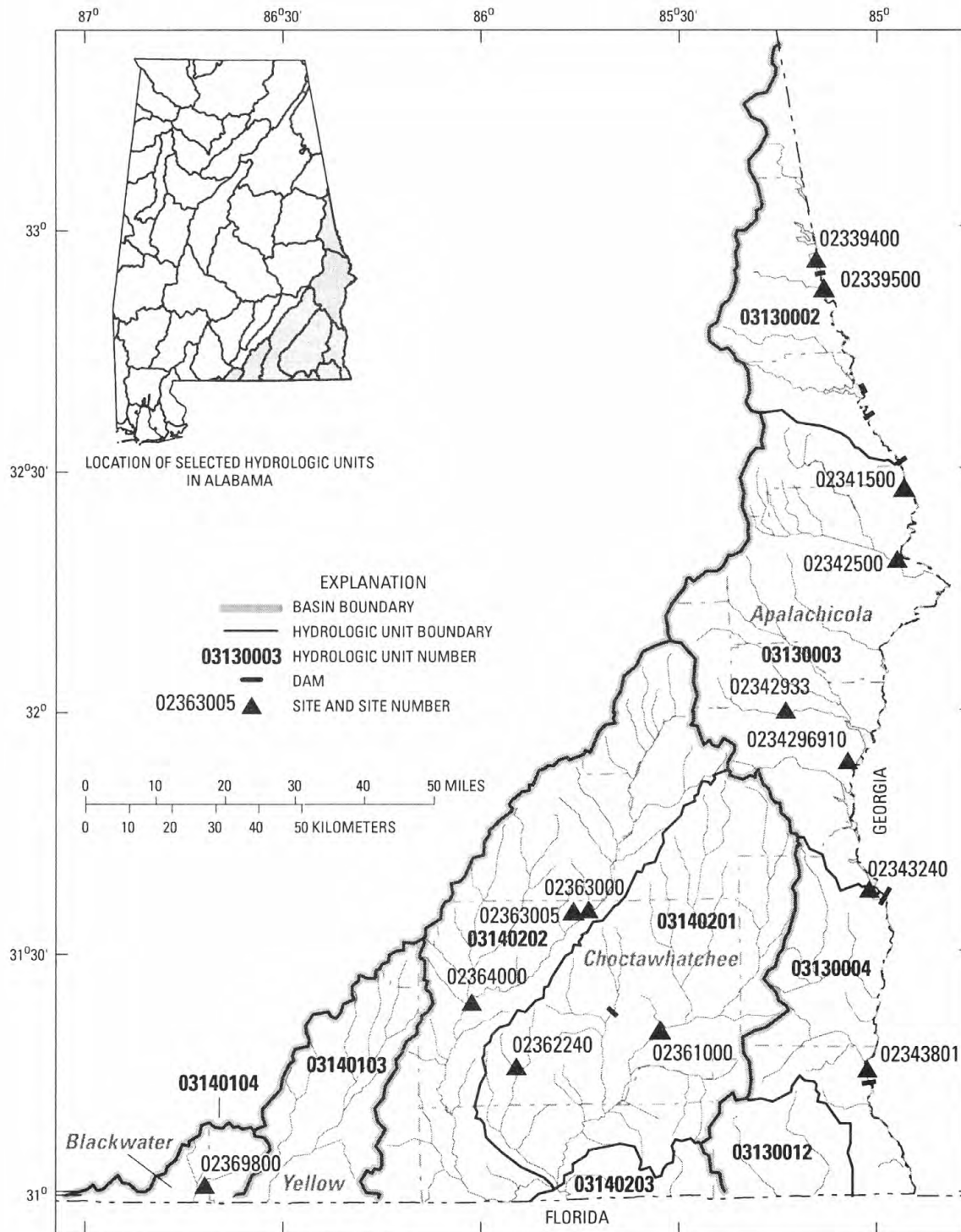


Figure 4. Location of surface-water stations in Apalachicola, Choctawhatchee, Yellow, and Blackwater River basins.

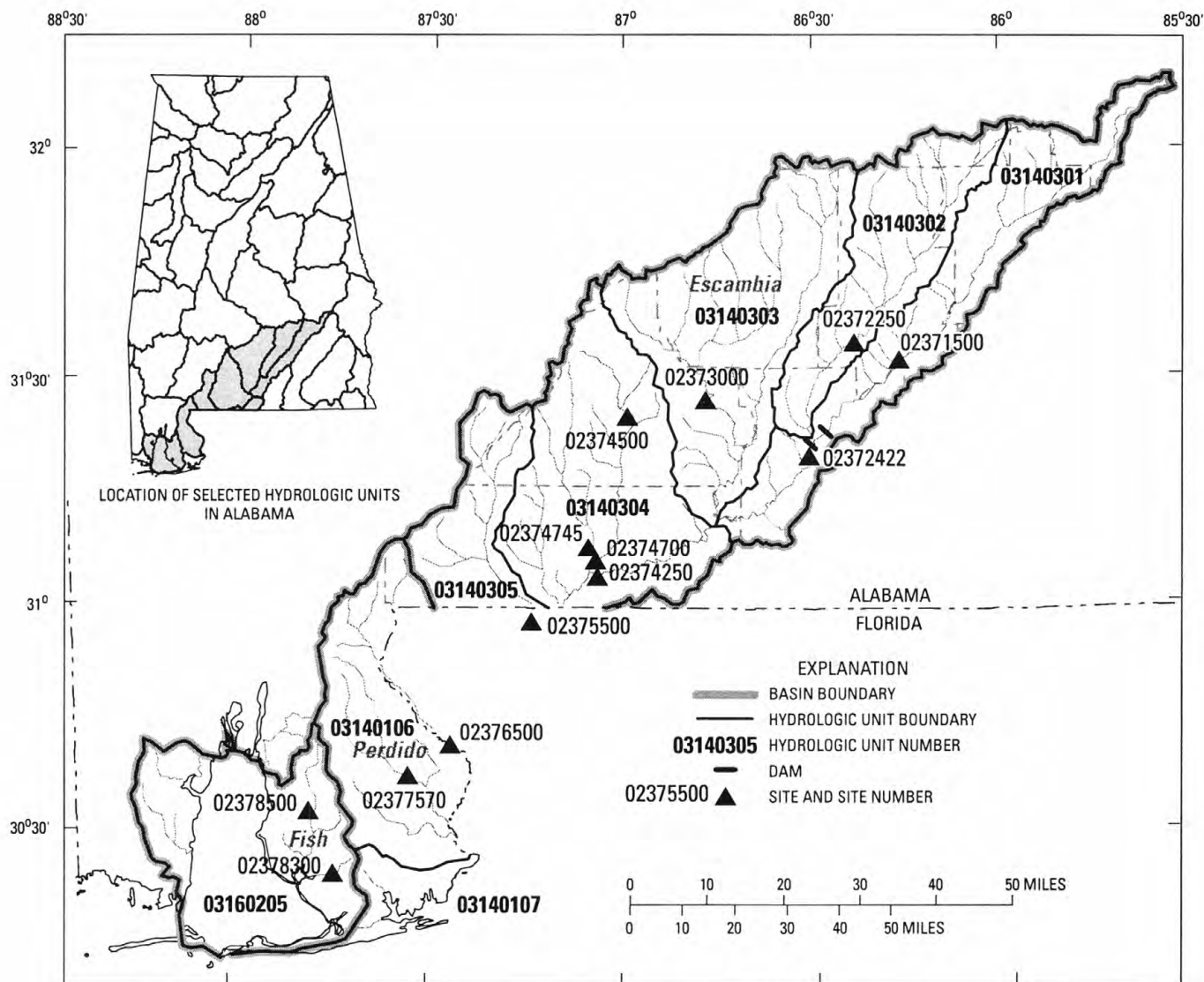


Figure 5. Location of surface-water stations in Escambia, Perdido, and Fish River basins.

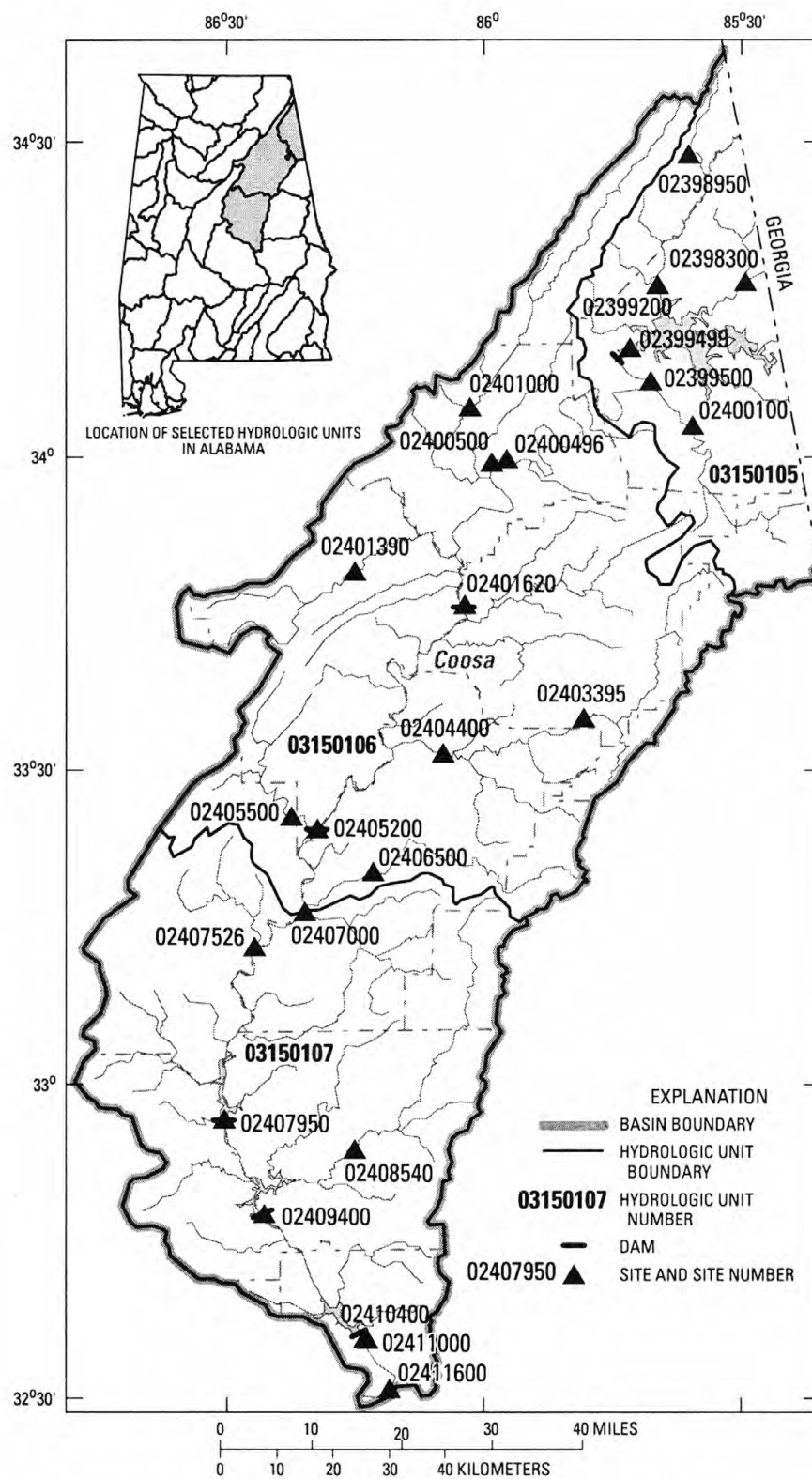


Figure 6. Location of surface-water stations in Coosa River basin.

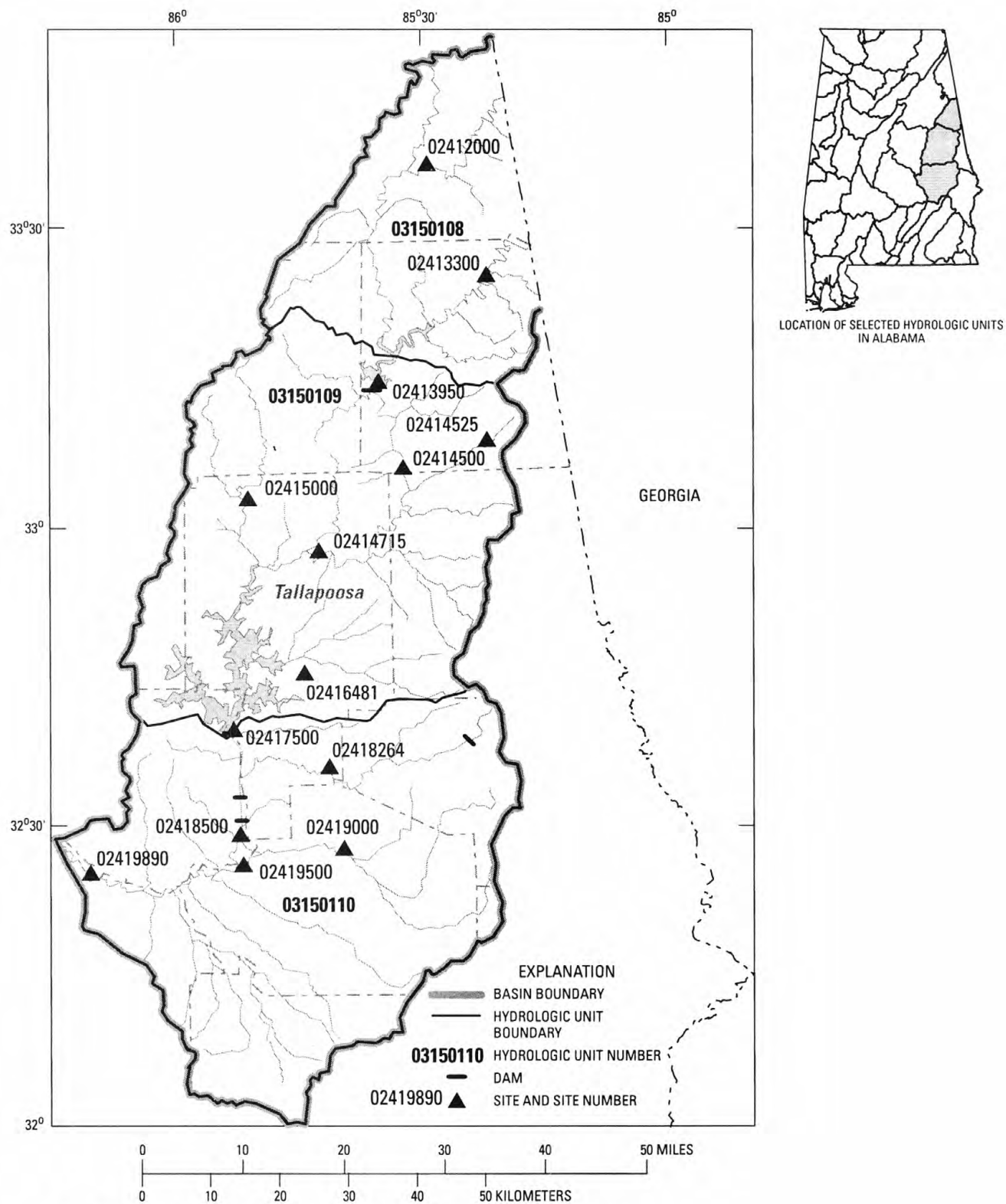


Figure 7. Location of surface-water stations in Tallapoosa River basins.

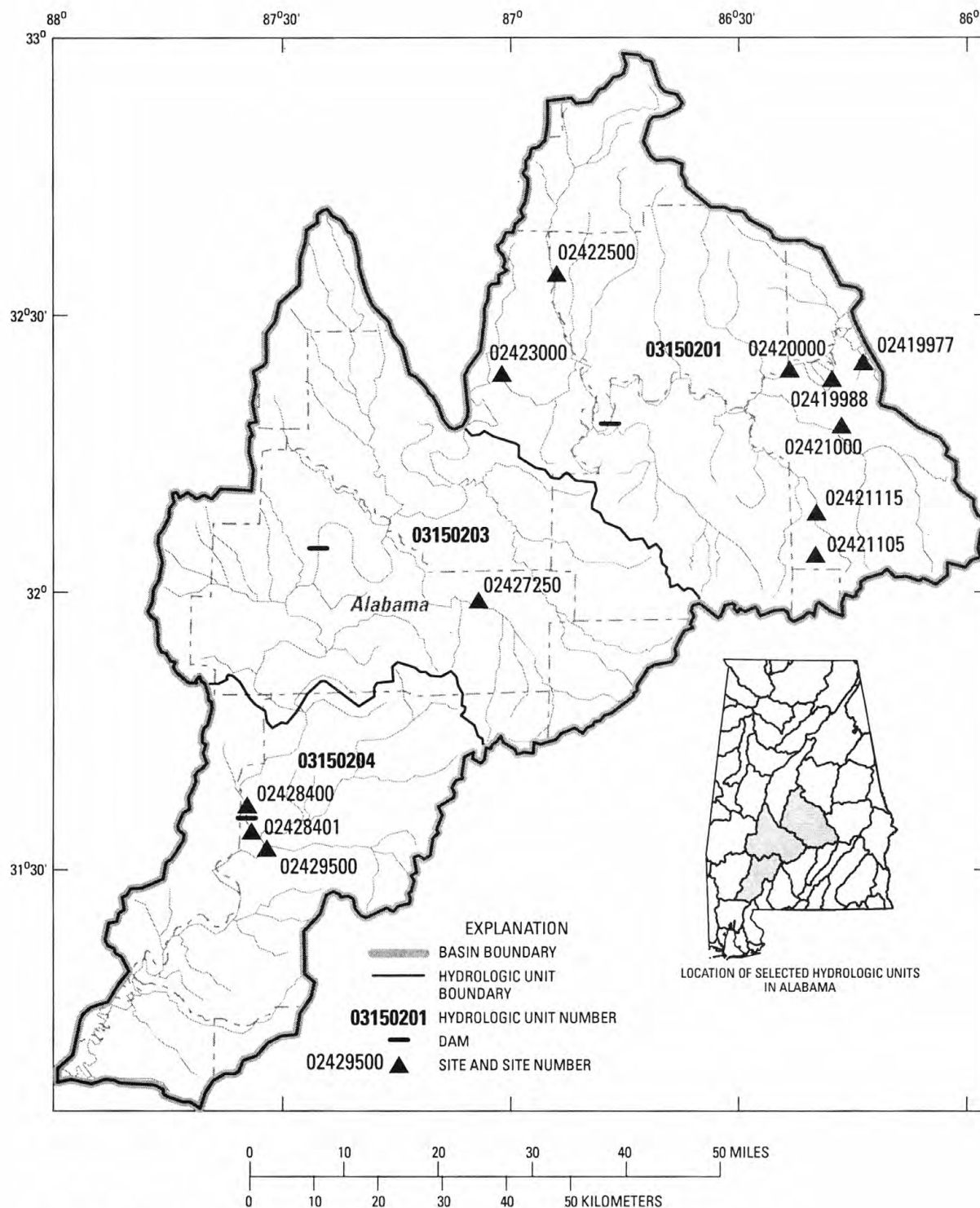


Figure 8. Location of surface-water stations in Alabama River basin.

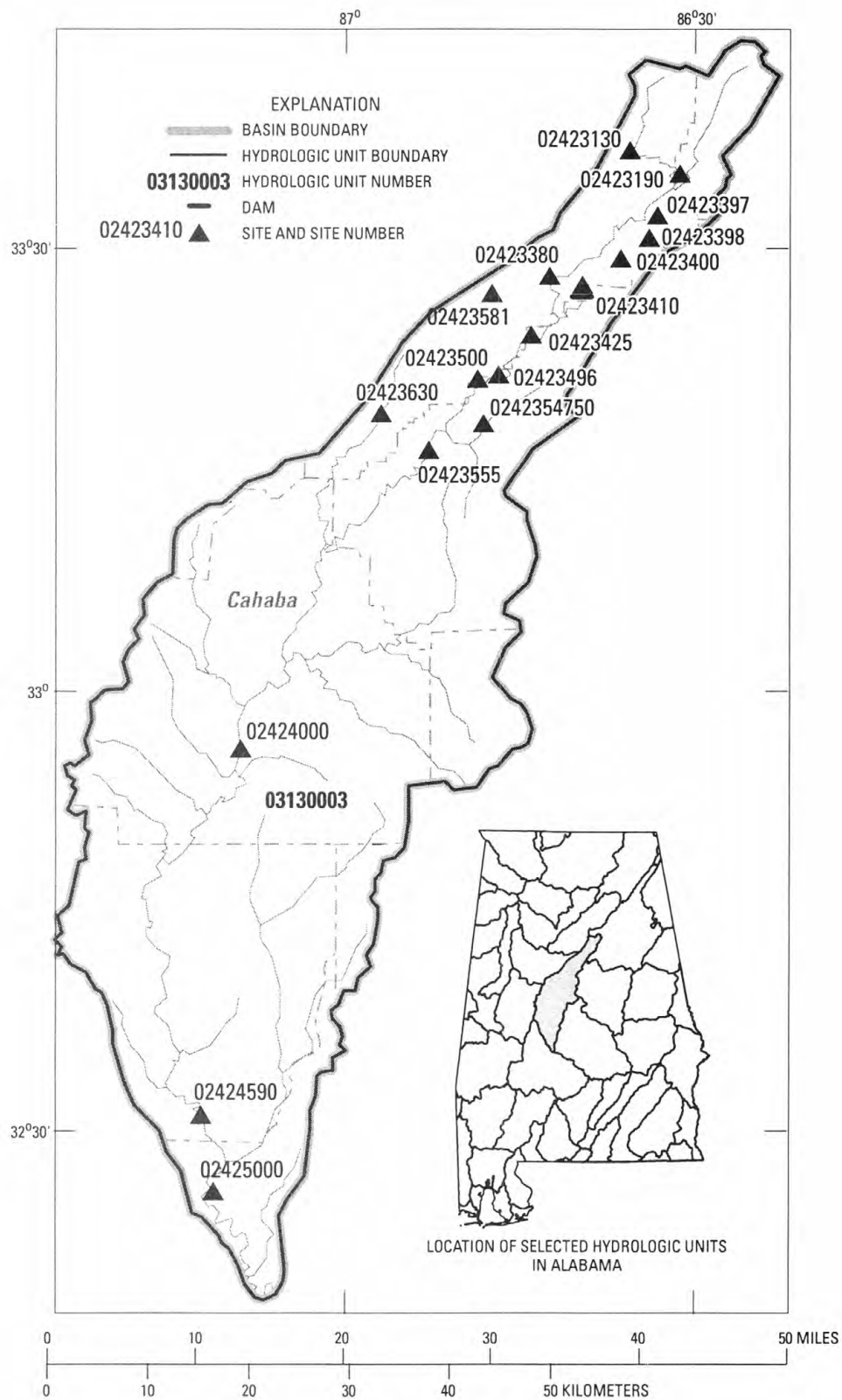


Figure 9. Location of surface-water stations in Cahaba River basin.

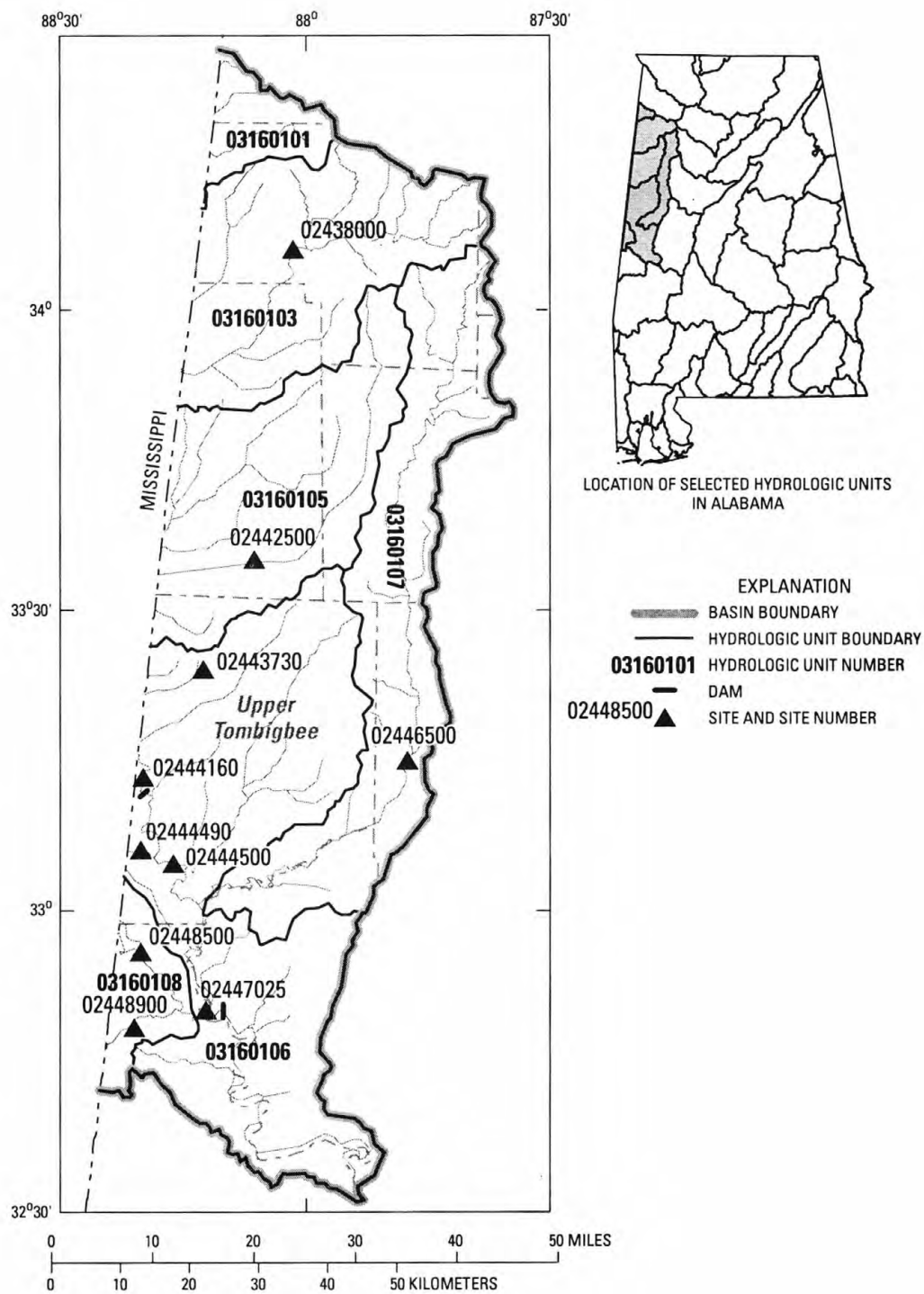


Figure 10. Location of surface-water stations in Upper Tombigbee River basin.

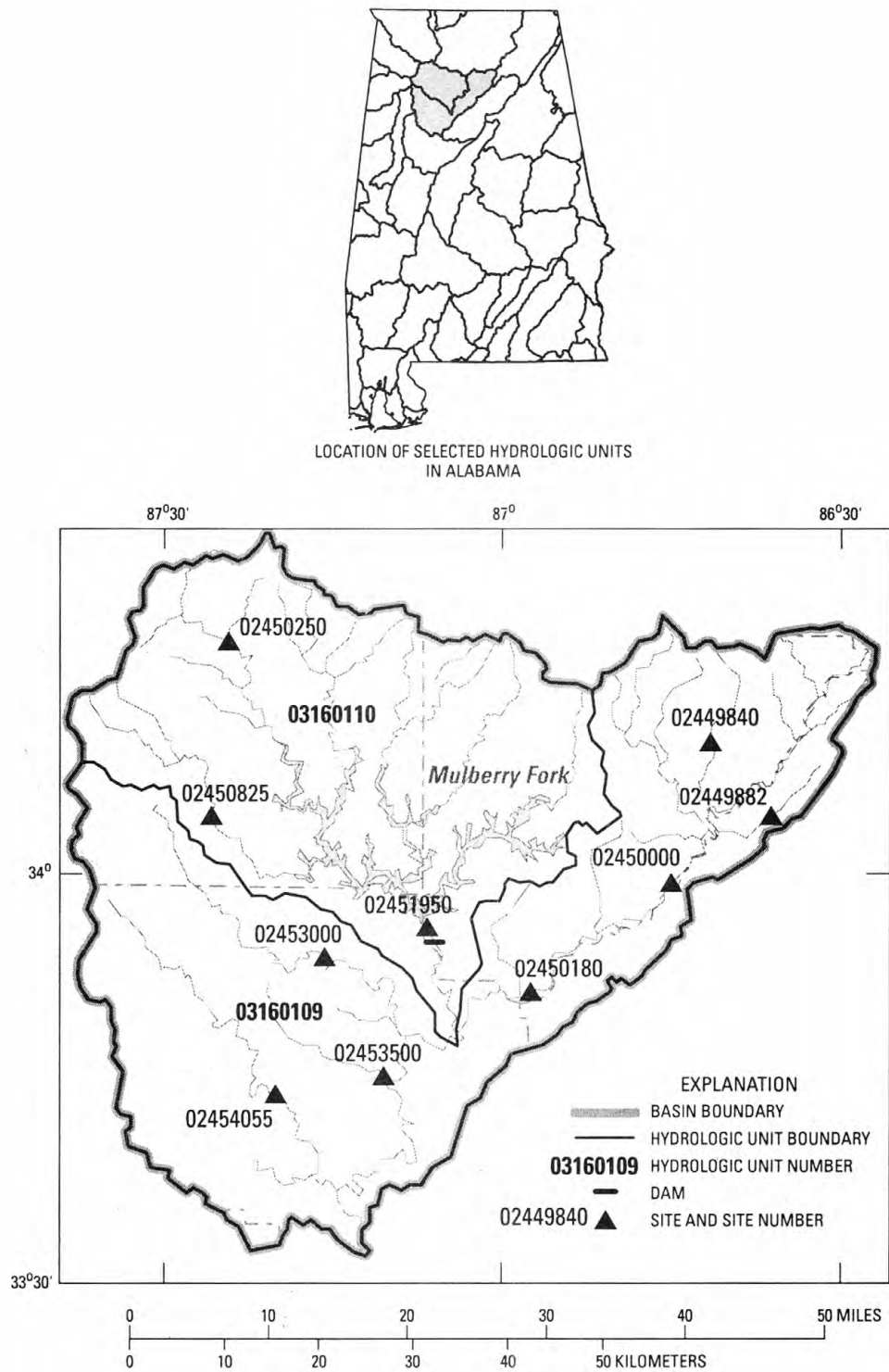


Figure 11. Location of surface-water stations in Mulberry Fork River basin.

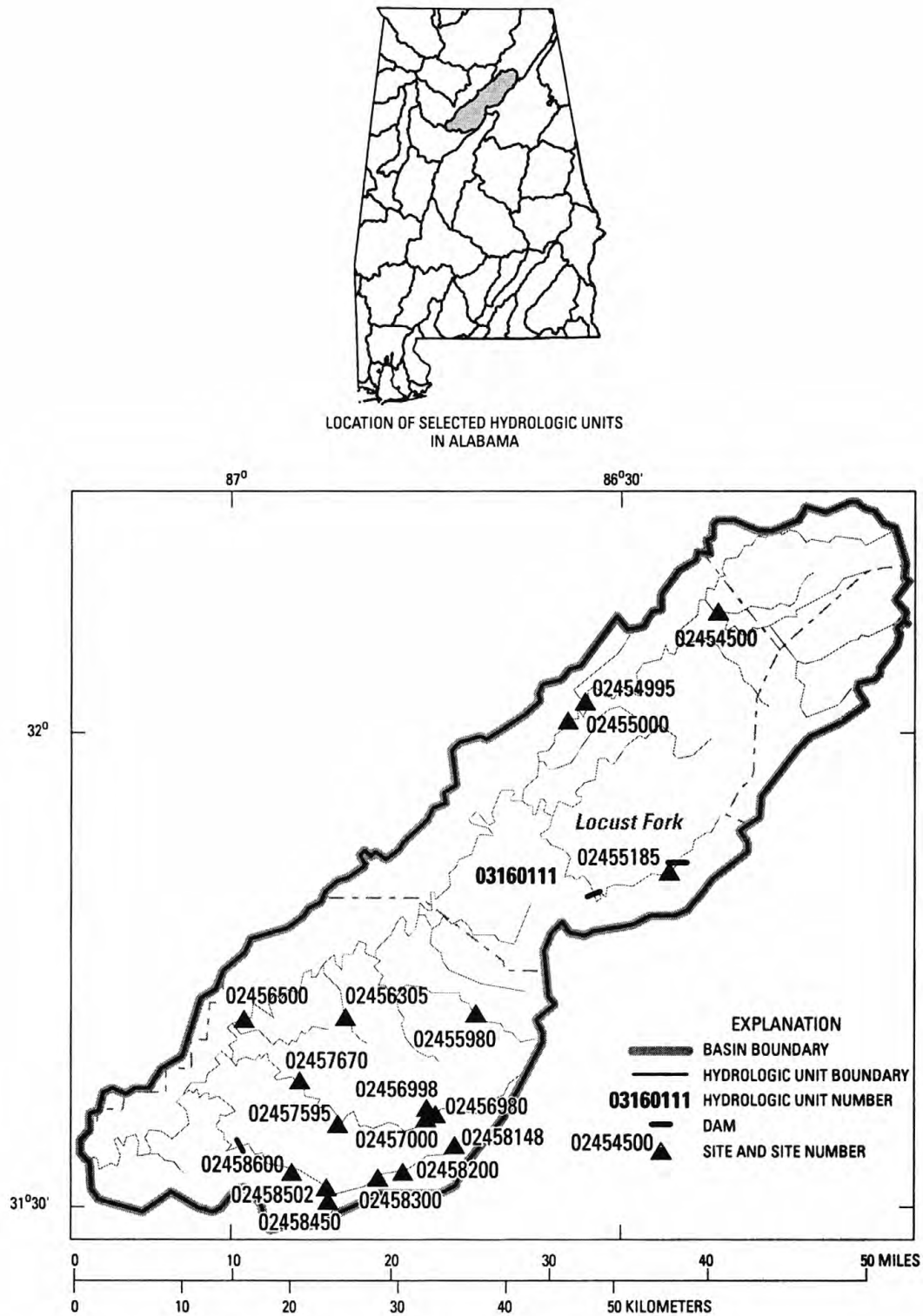


Figure 12. Location of surface-water stations in Locust Fork River basin.

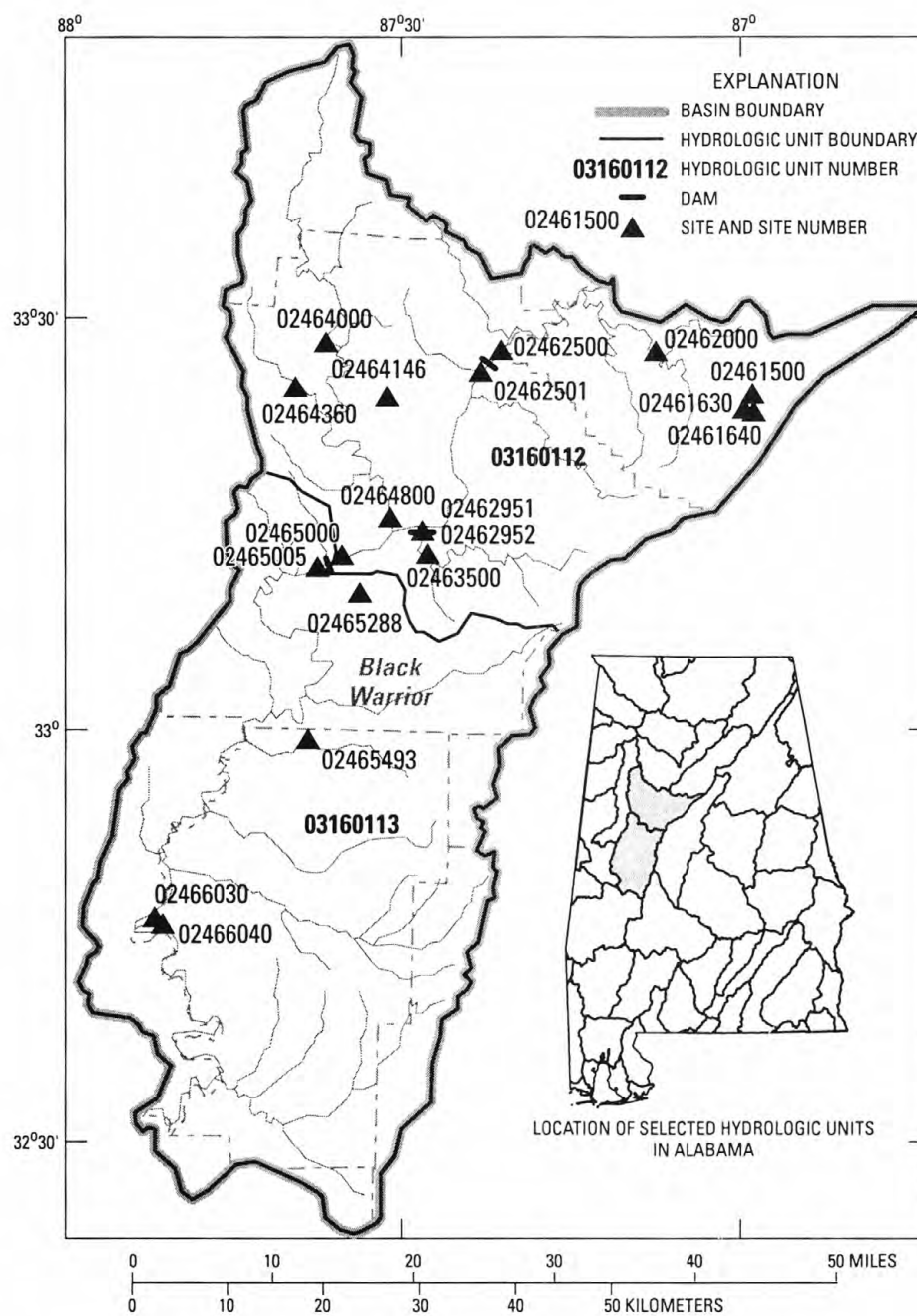


Figure 13. Location of surface-water stations in Black Warrior River basin.

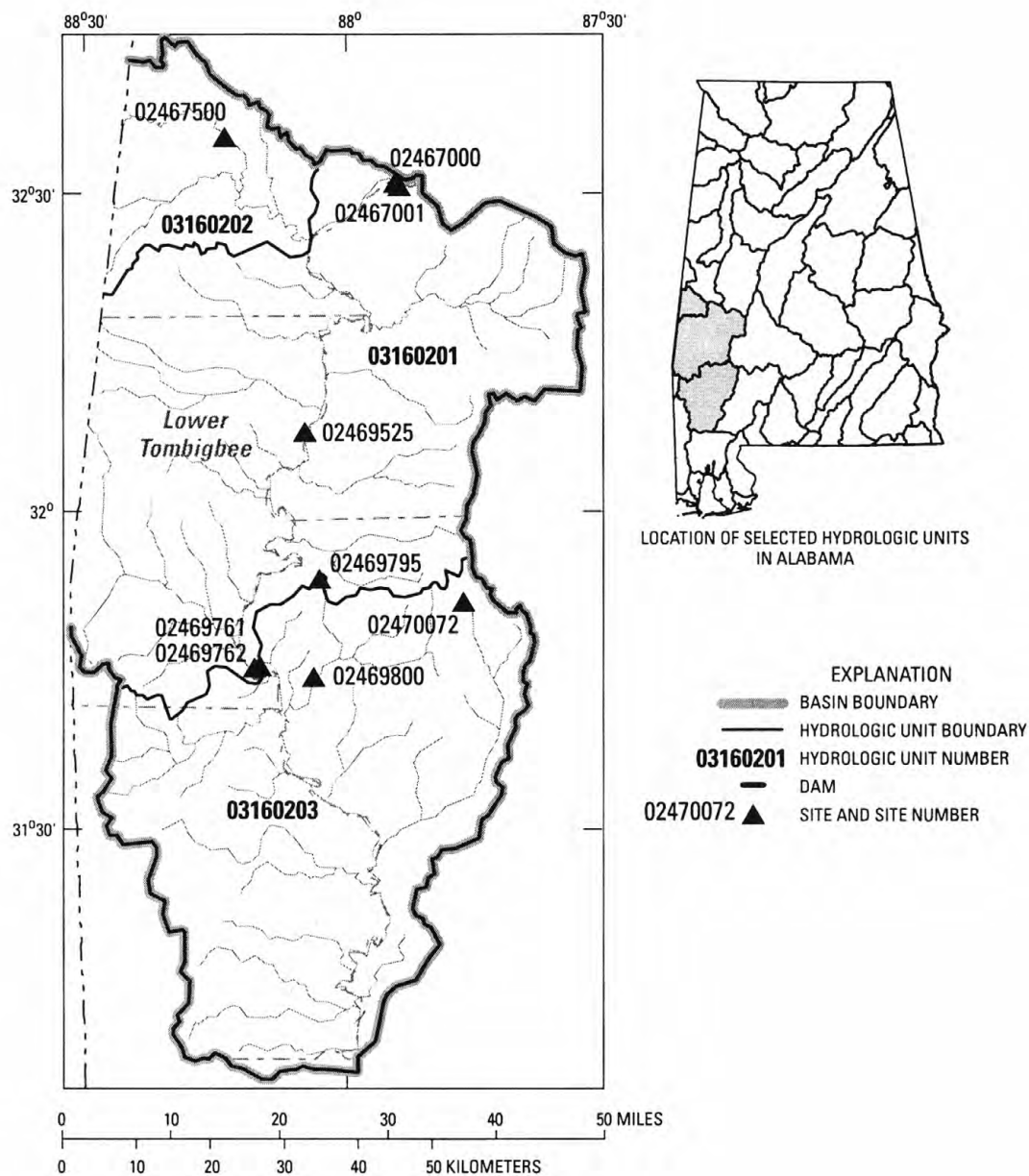


Figure 14. Location of surface-water stations in Lower Tombigbee River basins.

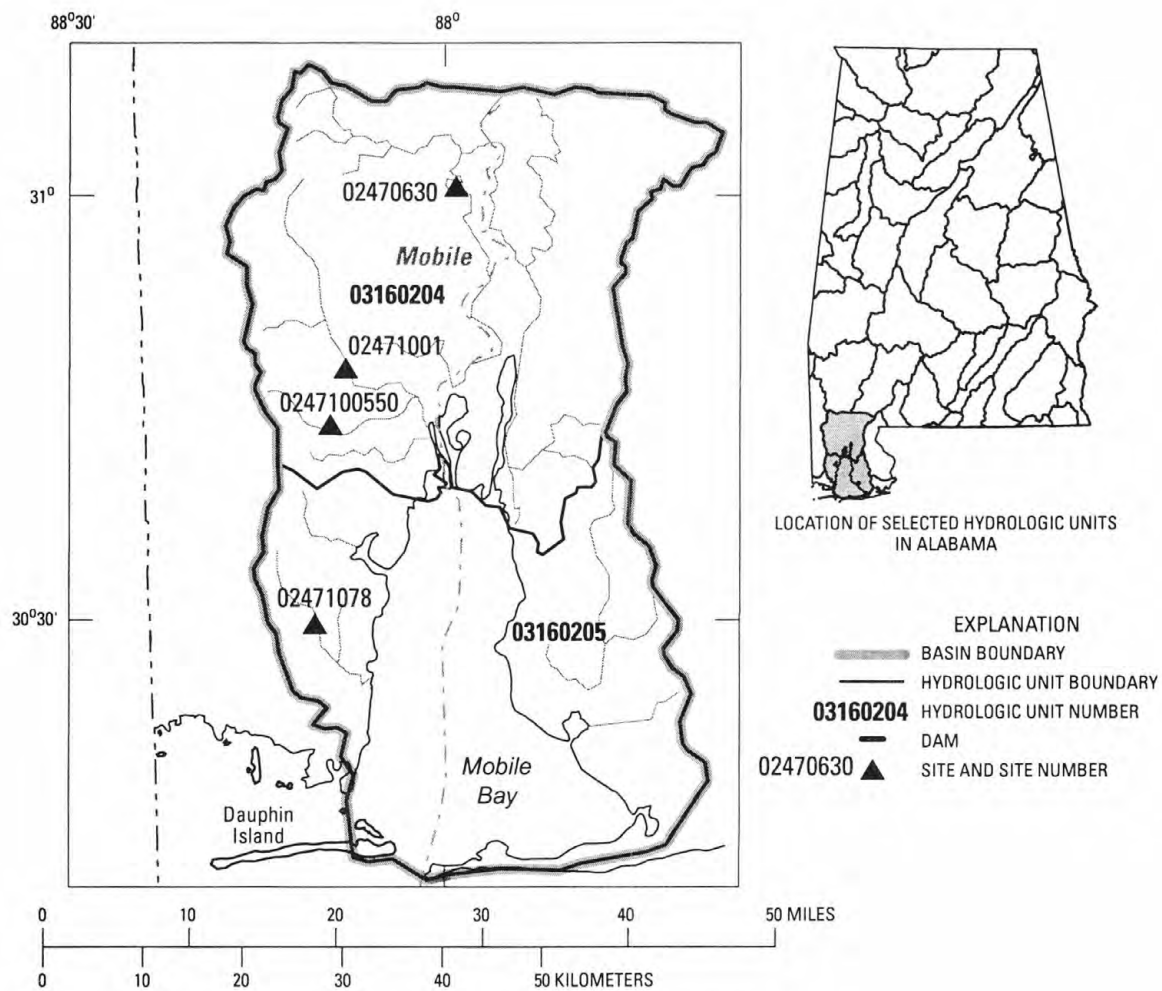


Figure 15. Location of surface-water stations in Mobile River basin.

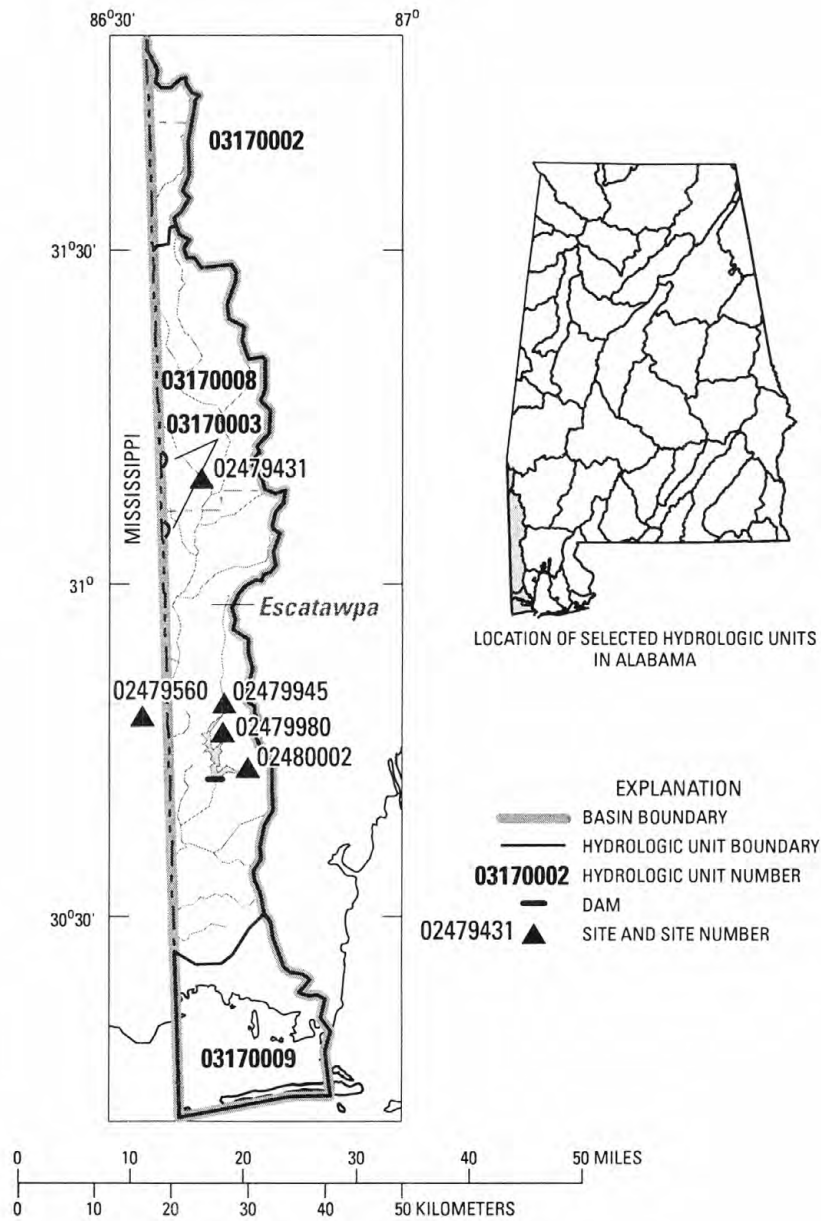
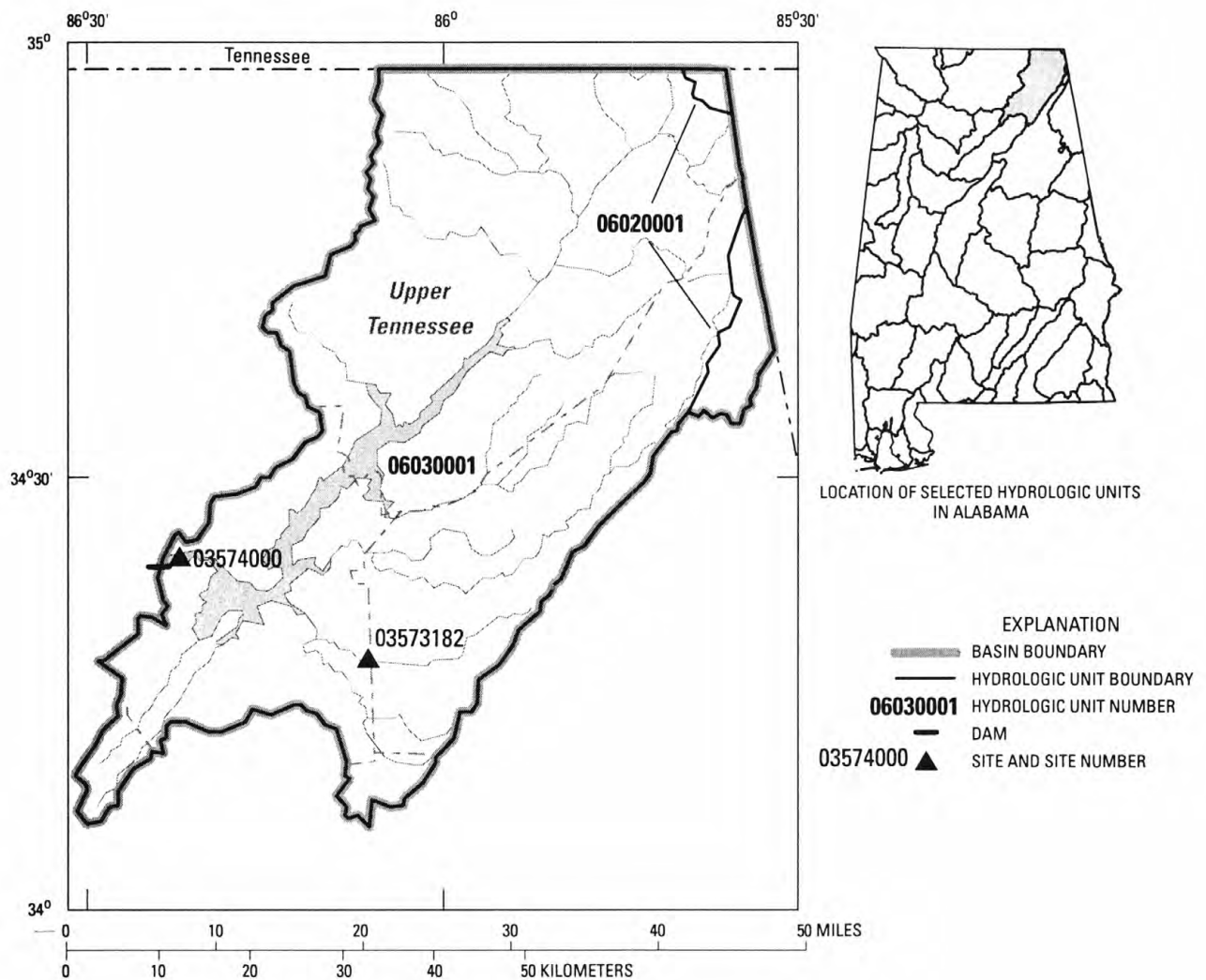


Figure 16. Location of surface-water stations in Escatawpa River basins.



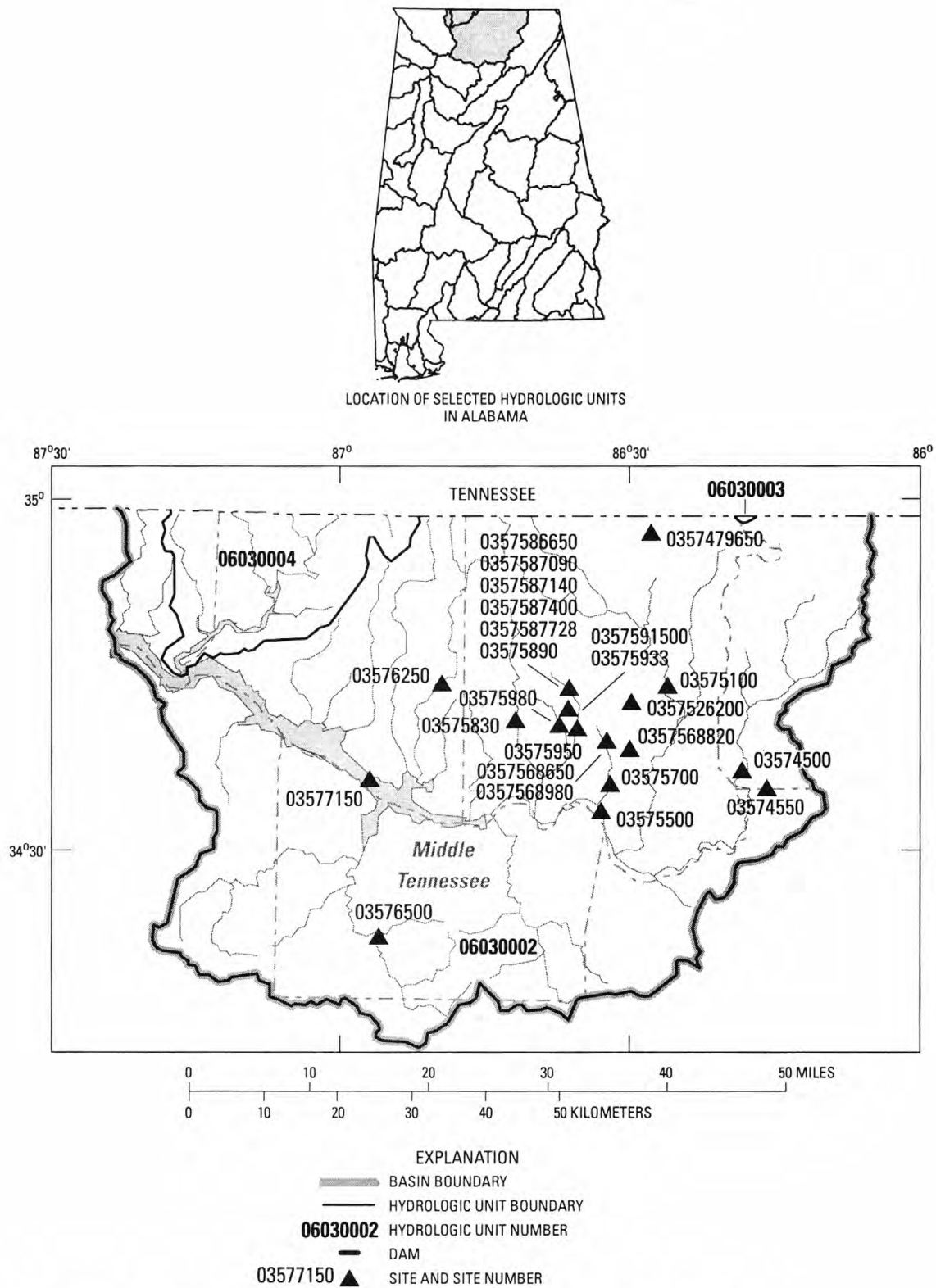


Figure 18. Location of surface-water stations in Middle Tennessee River basin.

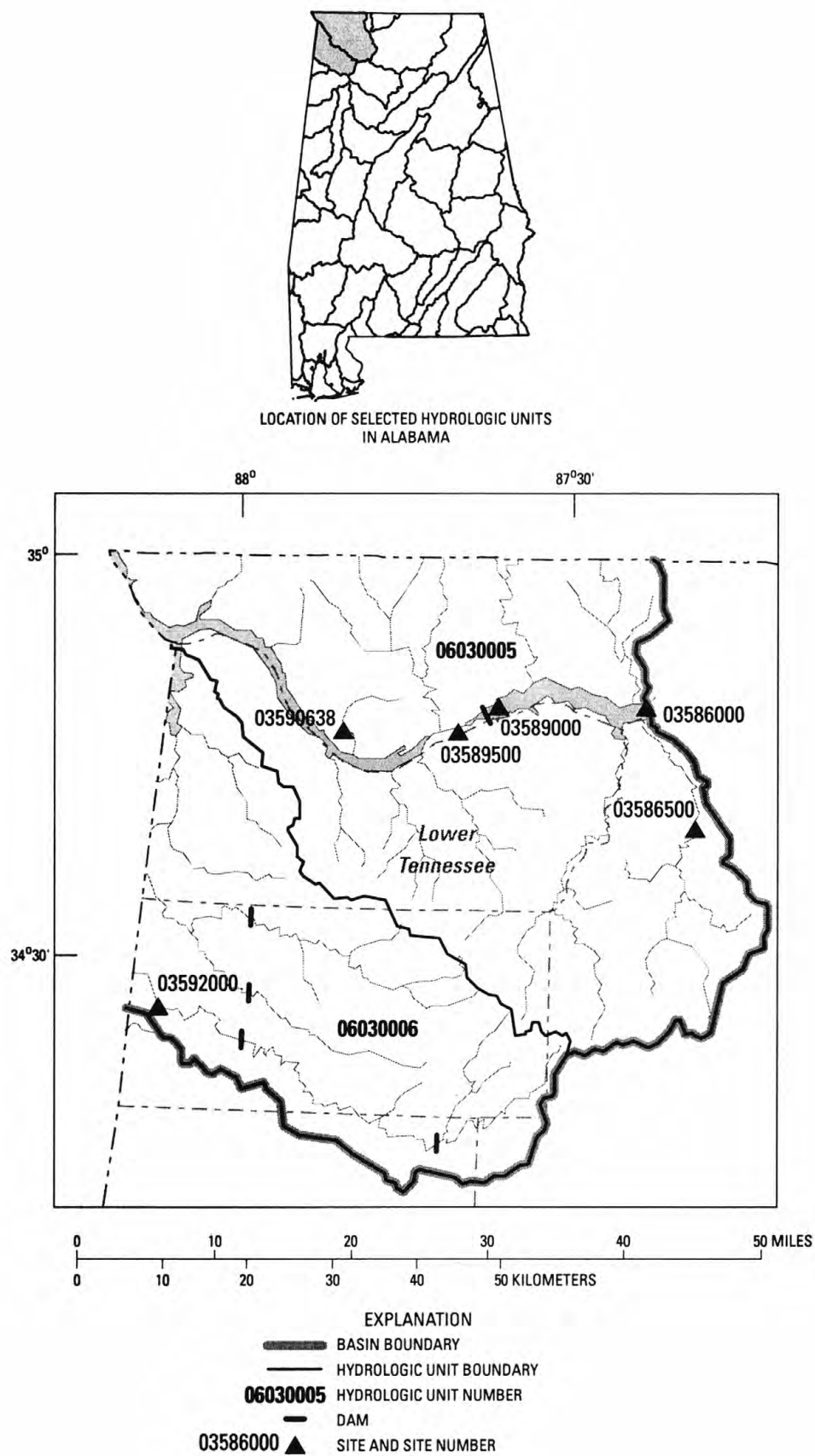


Figure 19. Location of surface-water stations in Lower Tennessee River basin.

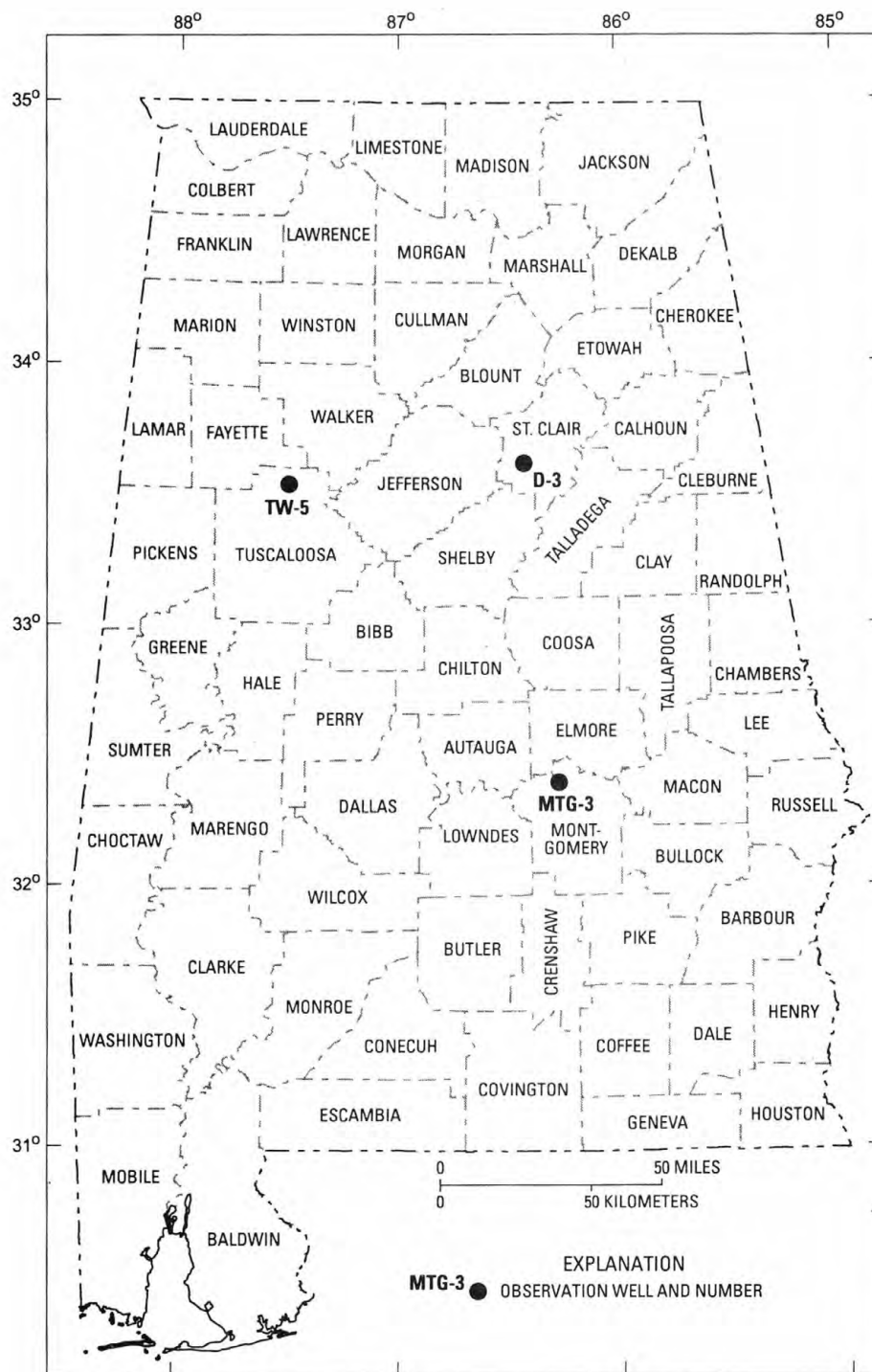


Figure 20. Location of observation wells.

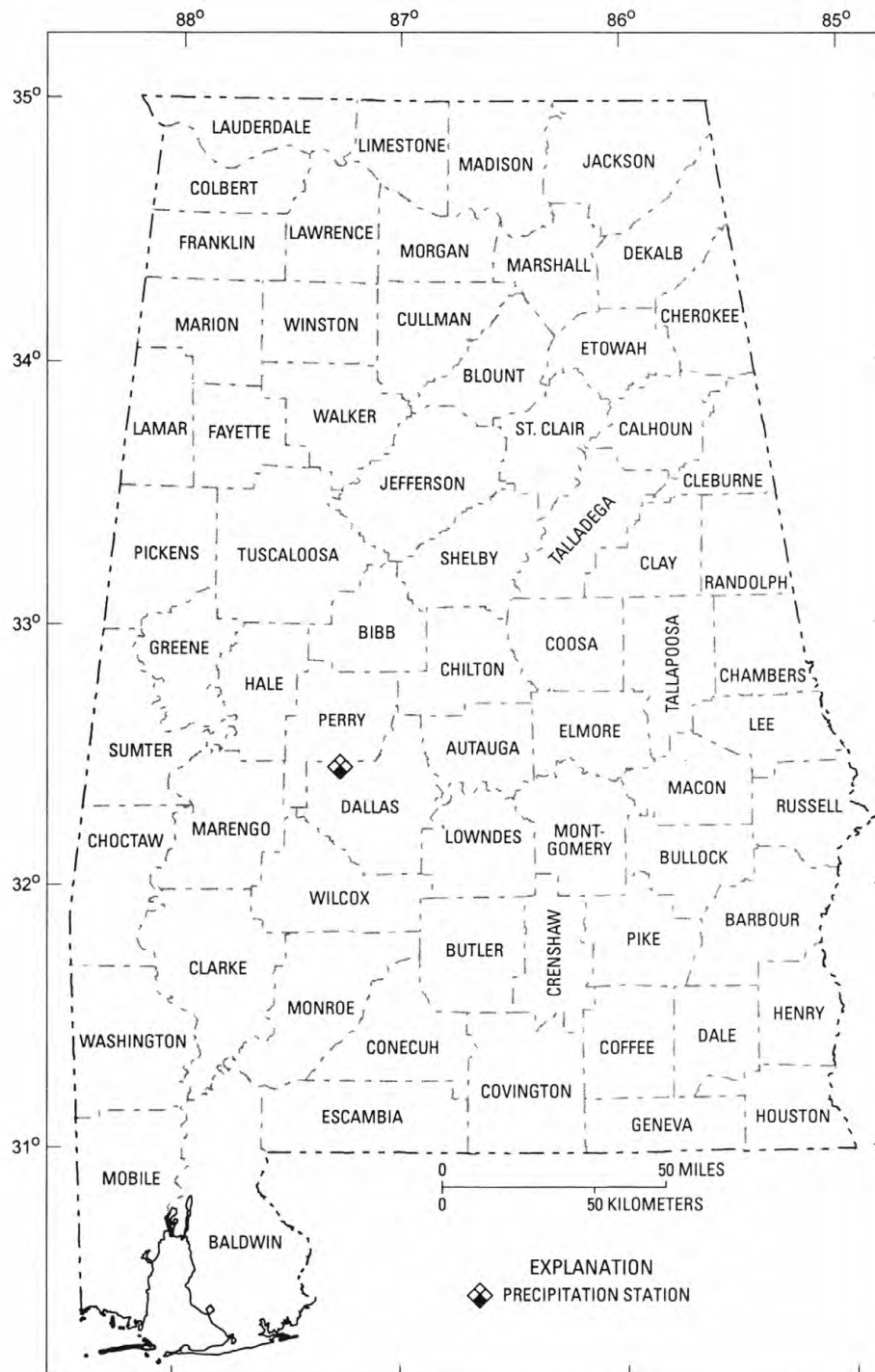


Figure 21. Location of water-quality precipitation station.

HYDROLOGIC-DATA STATION RECORDS

SURFACE-WATER RECORDS

Remark Codes

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

<u>PRINTED OUTPUT</u>	<u>REMARK</u>
E	Estimated value.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
K	Results based on colony count outside the acceptance range (non-ideal colony count).
L	Value determined by central laboratory.
R	Revised.
V	Analyte was detected in both the environmental sample and the associated blanks.

Dissolved Trace-Element Concentrations

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

Change in National Trends Network Procedures

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

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA

LOCATION.--Lat 32°53'10", long 85°10'56", Troup County, Ga., 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.

PERIOD OF RECORD.--August 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 sea level. 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.--Records good. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974.

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 floodmarks, by National Weather Service, discharge, 92,800 ft³/s.

NOTE: DATA FOR 1999 WATER YEAR WILL BE PUBLISHED IN GEORGIA DATA REPORT WDR GA-99-1

APALACHICOLA RIVER BASIN

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 left bank at downstream side 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). WDR GA-90-1: 1967(M), 1969(M), 1971-72(M). See also period of record.

GAGE.--Water-stage recorder. Datum of gage is 183.14 ft above sea level. 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.--Records fair, except those less than 2,500 ft³/s and those for the periods of estimated daily discharges, which are poor. Flow regulated by Lake Sidney Lanier since January 1956, West Point Lake since October 1974, and by Lake Harding since 1929.

Records of chemical analyses for the period February 1968 to May 1972 are published in reports of the U.S. Geological Survey.

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, datum in use prior to 1975.

NOTE: DATA FOR 1999 WATER YEAR WILL BE PUBLISHED IN GEORGIA DATA REPORT WDR GA-99-1

APALACHICOLA RIVER BASIN

02342500 UCHEE CREEK NEAR FORT MITCHELL, AL

LOCATION.--Lat 32°19'00", long 85°00'54", in NE¹/₄SW¹/₄ sec. 3, T. 15 N., R. 30 E., Russell County, Hydrologic Unit 03130003, at 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 sea level. Prior to Sept. 1, 1953, at site 1,000 ft upstream at same datum, and Sept. 1, 1953 to Aug. 15, 1965, at present site at same datum, and Aug. 15, 1965 to Nov. 15, 1990 at site 120 ft upstream 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1720	62	95	138	3400	284	463	143	81	363	47	31
2	752	62	93	146	2670	246	456	119	74	269	44	29
3	328	64	94	344	1320	243	335	97	67	212	45	28
4	219	65	96	346	1020	256	277	85	63	170	43	27
5	170	64	96	222	986	238	258	90	61	148	40	25
6	143	62	101	184	727	256	242	132	60	136	38	24
7	163	63	108	170	570	356	232	238	59	132	37	24
8	807	63	155	163	486	297	217	267	57	124	35	24
9	1140	66	182	178	425	287	204	217	54	117	35	23
10	636	71	158	220	382	361	196	179	52	108	64	28
11	274	148	144	198	356	293	183	152	55	107	90	23
12	203	218	134	171	327	260	163	134	65	144	58	21
13	172	154	179	156	300	242	144	126	70	141	57	20
14	152	110	187	151	278	2380	132	141	68	138	50	19
15	136	106	169	162	262	2790	161	163	67	135	41	17
16	119	127	145	173	254	1130	222	146	81	118	37	17
17	107	137	130	162	252	708	197	128	120	330	42	16
18	100	138	117	153	402	550	149	112	98	263	37	16
19	97	115	111	150	452	454	128	106	86	193	33	16
20	94	107	111	144	335	393	115	100	69	144	37	21
21	90	102	115	138	282	364	108	96	60	117	48	24
22	83	96	118	136	258	360	103	88	54	101	39	20
23	75	100	128	598	241	303	96	83	52	89	40	17
24	70	114	174	1220	235	277	90	88	84	81	134	19
25	68	117	256	719	232	354	84	81	89	87	152	17
26	68	114	251	336	227	771	82	74	93	70	82	19
27	68	105	216	271	224	540	92	74	195	63	58	35
28	68	99	188	247	256	364	111	70	560	57	50	26
29	65	102	170	232	---	305	160	66	1060	53	43	27
30	63	98	156	259	---	279	149	64	639	52	38	26
31	63	---	149	1650	---	289	---	86	---	50	34	---
TOTAL	8313	3049	4526	9537	17159	16230	5549	3745	4293	4312	1628	679
MEAN	268	102	146	308	613	524	185	121	143	139	52.5	22.6
MAX	1720	218	256	1650	3400	2790	463	267	1060	363	152	35
MIN	63	62	93	136	224	238	82	64	52	50	33	16
CFSM	.83	.32	.45	.96	1.90	1.63	.57	.38	.44	.43	.16	.07
IN.	.96	.35	.52	1.10	1.98	1.88	.64	.43	.50	.50	.19	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1999, BY WATER YEAR (WY)

MEAN	139	266	468	652	886	1059	795	334	173	257	142	94.7
MAX	1028	2493	1708	1544	2049	2287	3376	1568	982	2303	835	319
(WY)	1965	1949	1954	1978	1949	1971	1964	1953	1989	1994	1948	1948
MIN	10.1	22.5	72.0	101	241	251	153	43.9	23.2	10.2	11.7	9.59
(WY)	1955	1982	1955	1981	1968	1955	1967	1986	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1947 - 1999
ANNUAL TOTAL	197481	79020	
ANNUAL MEAN	541	216	437
HIGHEST ANNUAL MEAN			906
LOWEST ANNUAL MEAN			152
HIGHEST DAILY MEAN	16100	3400	27400
LOWEST DAILY MEAN	16	16	5.6
ANNUAL SEVEN-DAY MINIMUM	17	17	6.1
INSTANTANEOUS PEAK FLOW		3620	55100
INSTANTANEOUS PEAK STAGE		6.67	26.45
ANNUAL RUNOFF (CFSM)	1.68	.67	1.36
ANNUAL RUNOFF (INCHES)	22.81	9.13	18.43
10 PERCENT EXCEEDS	1260	364	960
50 PERCENT EXCEEDS	127	128	192
90 PERCENT EXCEEDS	29	37	30

APALACHICOLA RIVER BASIN

02342933 SOUTH FORK COWIKEE CREEK NEAR BATESVILLE, AL

LOCATION.--Lat 32°01'03", long 85°17'45", in SE¹/₄SE¹/₄ 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 sea level, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 10-15, 23-30, Nov. 2, 3, Sept. 3-19. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	264	e9.8	13	18	588	86	115	49	25	132	10	6.8
2	101	e9.4	13	46	241	61	88	45	24	73	7.9	6.1
3	81	12	13	127	141	104	74	42	23	70	6.5	e5.2
4	90	12	12	58	304	93	66	39	21	47	5.3	e4.2
5	57	11	12	40	161	64	64	36	19	38	4.6	e3.5
6	45	11	12	34	105	130	58	209	18	31	3.9	e3.0
7	81	11	15	31	93	139	53	347	17	42	3.1	e2.6
8	78	12	74	30	86	80	50	106	14	32	2.7	e2.3
9	53	12	56	55	77	111	49	69	11	28	2.4	e2.0
10	e33	13	36	74	114	119	48	65	9.2	25	4.8	e3.9
11	e25	24	27	45	96	76	46	58	9.6	24	7.1	e2.0
12	e21	25	28	37	71	69	43	48	47	39	4.5	e1.7
13	e23	22	43	34	58	108	40	43	37	108	3.4	e1.5
14	e35	20	44	32	52	4260	38	51	25	57	2.6	e1.4
15	e61	27	31	34	50	546	947	50	23	42	2.1	e1.3
16	20	35	26	32	51	226	258	44	238	34	1.8	e1.2
17	17	27	24	29	55	148	105	40	293	39	1.6	e1.2
18	18	20	22	28	131	128	90	37	83	50	1.4	e1.1
19	17	16	22	27	95	117	75	34	58	34	1.2	e1.8
20	18	18	22	25	71	105	57	32	46	29	1.1	2.8
21	17	19	21	25	60	102	48	29	38	25	.98	2.2
22	20	16	21	24	52	95	42	27	31	21	1.2	1.8
23	e18	26	19	711	48	87	38	25	26	20	9.8	1.4
24	e16	40	21	330	66	85	34	24	47	17	92	1.3
25	e14	33	26	120	61	89	30	22	35	36	33	1.3
26	e13	25	30	86	53	100	30	20	43	36	25	1.5
27	e14	20	27	71	49	81	31	22	160	28	22	2.5
28	e13	18	25	62	104	74	72	27	404	26	19	3.3
29	e11	16	23	56	---	70	80	34	149	22	14	2.6
30	e10	14	21	71	---	68	60	29	257	18	10	2.1
31	11	---	19	407	---	76	---	26	---	14	8.2	---
TOTAL	1295	574.2	798	2799	3133	7697	2829	1729	2230.8	1237	313.18	75.6
MEAN	41.8	19.1	25.7	90.3	112	248	94.3	55.8	74.4	39.9	10.1	2.52
MAX	264	40	74	711	588	4260	947	347	404	132	92	6.8
MIN	10	9.4	12	18	48	61	30	20	9.2	14	.98	1.1
CFSM	.37	.17	.23	.81	1.00	2.22	.84	.50	.66	.36	.09	.02
IN.	.43	.19	.27	.93	1.04	2.56	.94	.57	.74	.41	.10	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1999, BY WATER YEAR (WY)

	MEAN	50.8	65.9	117	201	270	335	154	96.6	56.7	70.1	42.9	32.9
MAX	532	446	421	626	986	1363	432	390	183	872	235	201	
(WY)	1976	1998	1998	1978	1975	1990	1979	1976	1989	1994	1975	1996	
MIN	1.12	4.56	10.1	13.3	29.2	65.5	23.4	11.0	4.10	4.46	1.33	.63	
(WY)	1991	1991	1989	1981	1989	1985	1967	1986	1988	1981	1990	1990	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1964 - 1999
ANNUAL TOTAL	58469.9	24710.78	
ANNUAL MEAN	160	67.7	124
HIGHEST ANNUAL MEAN			254
LOWEST ANNUAL MEAN			33.3
HIGHEST DAILY MEAN	7060	4260	19800
LOWEST DAILY MEAN	1.4	.98	.34
ANNUAL SEVEN-DAY MINIMUM	2.2	1.3	.40
INSTANTANEOUS PEAK FLOW		9520	28200
INSTANTANEOUS PEAK STAGE		20.70	43.40
ANNUAL RUNOFF (CFSM)	1.43	.60	1.11
ANNUAL RUNOFF (INCHES)	19.42	8.21	15.03
10 PERCENT EXCEEDS	290	108	233
50 PERCENT EXCEEDS	25	32	38
90 PERCENT EXCEEDS	3.6	3.4	4.4

e Estimated

APALACHICOLA RIVER BASIN

0234296910 CHATTAHOOCHEE RIVER AT COAST GUARD DOCK AT EUFAULA, AL

LOCATION.--Lat 31°54'29", long 85°08'42", in SE 1/4 sec. 29, T. 11 N., R. 29 E., Barbour County, Hydrologic Unit 03130003, at Coast Guard Dock near mouth of Chewalla Creek, 1 mi north of Eufaula, and at mile 97.8.

DRAINAGE AREA.--6,730 mi².

PERIOD OF RECORD.--April 1967 to current year (elevations only). October 1989 to current year in reports of Geological Survey. April 1967 to September 1989 in files of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Gage is in pool of Walter F. George Lake formed by dam at mile 75.0.

EXTREMES FOR PERIOD SINCE OCTOBER 1989.--Maximum elevation, 195.6 ft, Mar. 18, 1990; minimum elevation, 184.30 ft, Sept. 21, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 190.22 ft, Feb. 2; minimum elevation, 184.30 ft, Sept. 21.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188.91	188.59	187.15	186.52	189.53	187.61	187.95	188.75	188.44	188.34	188.83	185.36
2	188.80	188.66	187.24	186.36	190.12	187.45	187.93	188.70	188.48	188.51	188.60	185.30
3	188.89	188.66	187.36	186.37	190.17	187.16	187.89	188.70	188.52	188.60	188.42	185.32
4	188.95	188.64	187.53	186.52	190.02	186.99	187.89	188.69	188.69	188.68	188.20	185.20
5	189.01	188.63	187.64	186.51	189.83	186.85	187.83	188.65	188.74	188.69	187.87	185.08
6	189.06	188.67	187.70	186.25	189.45	186.90	187.98	188.60	188.64	188.63	187.46	185.06
7	189.14	188.72	187.76	186.07	189.00	186.93	187.95	189.22	188.65	188.70	187.05	184.95
8	189.43	188.81	187.91	185.98	188.84	186.56	187.96	189.31	188.39	188.77	186.52	184.80
9	189.59	188.87	188.03	186.11	188.96	186.51	188.04	189.36	188.09	188.90	186.02	184.85
10	189.65	188.89	188.16	186.29	189.15	186.32	187.81	189.29	187.85	188.88	185.78	184.79
11	189.54	188.91	188.27	186.43	189.25	186.03	187.79	189.11	187.61	188.83	185.59	184.92
12	189.50	188.79	188.31	186.65	189.33	185.82	187.75	189.15	187.40	188.95	185.34	184.92
13	189.43	188.52	188.37	186.86	189.40	185.81	187.79	189.17	187.04	189.20	185.33	184.90
14	189.35	188.24	188.41	187.10	189.33	186.55	187.86	189.31	186.51	189.37	185.38	184.92
15	189.24	188.00	188.44	187.39	189.38	188.02	187.94	189.32	186.27	189.25	185.42	185.05
16	189.11	187.80	188.47	187.63	189.48	188.60	188.02	189.30	186.22	189.11	185.40	184.97
17	189.03	187.79	188.45	187.85	189.47	188.96	188.12	189.32	186.40	189.20	185.38	184.78
18	189.01	187.69	188.43	187.99	189.56	189.11	188.22	189.24	186.50	189.19	185.37	184.64
19	188.94	187.66	188.42	188.12	189.47	189.26	188.30	189.23	186.39	189.21	185.34	184.50
20	188.81	187.41	188.49	188.35	189.30	189.41	188.22	189.12	186.33	189.26	185.32	184.38
21	188.69	187.21	188.49	188.40	189.03	189.52	188.26	188.94	186.37	189.29	185.28	184.32
22	188.58	187.00	188.45	188.48	188.87	189.50	188.20	188.81	186.45	189.28	185.24	184.47
23	188.54	186.88	188.38	188.74	188.74	189.45	188.14	188.78	186.52	189.33	185.19	184.42
24	188.50	186.79	188.29	188.70	188.57	189.40	188.20	188.73	186.58	189.29	185.23	184.39
25	188.46	186.59	188.23	188.83	188.38	189.25	188.34	188.70	186.56	189.22	185.45	184.41
26	188.46	186.65	188.14	189.01	188.14	189.38	188.46	188.60	186.67	189.22	185.67	184.44
27	188.47	186.87	187.96	189.05	187.98	189.35	188.48	188.69	186.81	189.17	185.71	184.65
28	188.47	186.96	187.70	189.09	187.83	188.97	188.60	188.62	187.05	189.12	185.70	184.60
29	188.45	186.97	187.44	189.09	---	188.66	188.77	188.52	187.61	189.07	185.60	184.71
30	188.46	187.00	187.14	189.05	---	188.50	188.95	188.54	188.06	189.05	185.50	184.85
31	188.53	---	186.82	189.22	---	188.27	---	188.44	---	188.98	185.44	---
MEAN	188.94	187.90	187.99	187.58	189.16	187.97	188.12	188.93	187.33	189.01	186.08	184.80
MAX	189.65	188.91	188.49	189.22	190.17	189.52	188.95	189.36	188.74	189.37	188.83	185.36
MIN	188.45	186.59	186.82	185.98	187.83	185.81	187.75	188.44	186.22	188.34	185.19	184.32
CAL YR 1998	MEAN 188.64		MAX 193.36		MIN 186.46							
WTR YR 1999	MEAN 187.81		MAX 190.17		MIN 184.32							

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL

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, and at mile 46.5.

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

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

GAGE.--Gate-opening and water-stage recorders. Datum of headwater gage and tailwater gage is sea level.

REMARKS.--Records good to 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.

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

NOTE: DATA FOR 1999 WATER YEAR WILL BE PUBLISHED IN GEORGIA DATA REPORT WDR GA-99-1

APALACHICOLA RIVER BASIN

LAKES AND RESERVOIRS IN APALACHICOLA RIVER BASIN

02339400 WEST POINT LAKE NEAR WEST POINT, GA

LOCATION.--Lat 32°55'05", long 85°11'17", Troup County, Ga., Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 2.3 mi upstream from Oseligee Creek, 3.0 mi north of West Point, Ga., 3.2 mi upstream from bridge on U.S. Highway 29, and at mile 201.4.

DRAINAGE AREA.--3,440 mi², approximately.

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

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by concrete gravity dam with earth dikes at either side. Spillway (crest elevation, 597 ft) is equipped with six tainter gates 50 ft wide by 41 ft high. Storage began Oct. 16, 1974; lake reached maximum power pool, 635 ft, on June 10, 1975. Total capacity at elevation, 641 ft; maximum flood control pool, 774,800 acre-ft. Capacity at elevation, 635 ft, maximum power pool, 604,500 acre-ft. Dead storage below elevation 620 ft, minimum power pool, 298,400 acre-ft. Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 690,700 acre-ft, April 16, 1979, elevation, 638.17 ft; minimum, since first filling, 295,200 acre-ft, Nov. 8, 1985, elevation, 619.80 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 637,600 acre-ft, July 20, elevation, 636.25 ft; minimum, 391,300 acre-ft, Sept. 30, elevation, 625.41 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30	631.22	512,400	--	--
Oct. 31	632.67	546,500	+34,100	+555
Nov. 30	630.31	491,900	-54,600	-918
Dec. 31	628.66	456,100	-35,800	-582
CAL YR 1998			-46,500	-64
Jan. 31	629.60	476,300	+20,200	+329
Feb. 28	629.58	475,800	-500	-9
Mar. 31	631.99	530,200	+54,400	+885
Apr. 30	631.96	529,600	-600	-10
May 31	634.40	589,200	+59,600	+969
June 30	632.87	551,300	-37,900	-637
July 31	635.33	613,200	+61,900	+1,010
Aug. 31	629.68	478,000	-135,200	-2,200
Sept. 30	625.41	391,300	-86,700	-1,460
WTR YR 1999			-121,100	-167

APALACHICOLA RIVER BASIN

LAKES AND RESERVOIRS IN APALACHICOLA RIVER BASIN--Continued

02343240 WALTER F. GEORGE LAKE NEAR FORT GAINES, GA

LOCATION.--Lat 31°37'27", long 85°04'03", Clay County, Ga., Hydrologic Unit 03130003, at forebay of dam on Chattahoochee River, 1.6 mi upstream from bridge on State Highway 37, 1 mi north of Ft. Gaines, Ga., and at mile 75.0.

DRAINAGE AREA.--7,460 mi², approximately.

PERIOD OF RECORD.--May 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by concrete gravity dam and navigation lock with earth dikes on either side. The non-overflow section at the dam includes a powerhouse. Filling began in May 1962. Power operations commenced on Mar. 13, 1963. The spillway (crest elevation, 163.0 ft) is equipped with 14 tainter gates 42 ft wide by 29 ft high. Total capacity at elevation 190.0 ft, full summer pool, 934,400 acre-ft, of which 244,400 acre-ft between elevations 190.0 and 184.0 ft, minimum pool, is controlled storage. Lake is used for navigation and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,160,900 acre-ft, Mar. 19, 1990, elevation, 194.60 ft; minimum, after first filling, 660,400 acre-ft, Apr. 23, 1965, elevation, 183.17 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 942,200 acre-ft, Feb. 2, elevation, 190.17 ft; minimum, 701,100 acre-ft, Sept. 20 elevation, 184.30 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30	189.27	902,000	--	--
Oct. 31	188.61	873,300	-28,700	-467
Nov. 30	187.08	808,800	-64,500	-1,090
Dec. 31	186.81	797,900	-10,900	-177
CAL YR 1998			-65,900	-91
Jan. 31	189.27	902,000	+104,100	+1,690
Feb. 28	187.89	842,500	-59,500	-1,070
Mar. 31	187.96	845,400	+2,900	+47
Apr. 30	188.73	878,400	+33,000	+555
May 31	188.45	866,400	-12,000	-195
June 30	188.30	860,000	-6,400	-108
July 31	189.04	891,800	+31,800	+517
Aug. 31	185.40	742,500	-149,300	-2,430
Sept. 30	184.84	721,200	-21,300	-358
WTR YR 1999			-180,800	-250

CHOCTAWHATCHEE RIVER BASIN

02361000 CHOCTAWHATCHEE RIVER NEAR NEWTON, AL

LOCATION.--Lat 31°20'34", long 85°36'38", in SE 1/4 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, 100 ft upstream from abandoned mill dam, 1,800 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.--WSP 2106: 1967. WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 138.56 ft above sea level. See WSP 1304 or 1724 for history of changes prior to Sept. 9, 1938. Prior to May 15, 1997, gage located 300 ft downstream, below abandoned mill dam.

REMARKS.--Estimated daily discharges: Oct. 1-6, and June 6-7. Records good except those of estimated periods, which are fair. 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.

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).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e9200	365	464	517	1340	644	673	648	323	3230	275	188
2	e7200	362	454	543	1400	590	688	519	320	2180	242	172
3	e5200	450	446	1160	1260	595	623	380	273	1360	217	163
4	e3900	465	441	1090	1170	580	536	304	240	869	202	155
5	e2700	439	438	908	1010	585	487	272	235	683	187	142
6	e1700	420	439	807	894	737	454	312	e380	561	199	129
7	1180	397	448	682	829	981	430	4040	e300	789	201	140
8	1540	386	671	627	782	811	412	4930	249	1080	189	144
9	1430	386	1100	796	741	909	393	4150	233	666	354	300
10	1200	389	1050	1160	724	955	371	2200	237	534	343	263
11	1010	511	917	1070	710	813	351	1270	218	474	410	200
12	843	568	785	942	698	716	329	791	310	669	772	173
13	733	558	863	818	671	641	304	636	548	1050	525	150
14	658	504	877	718	631	2190	286	764	495	1220	350	135
15	605	509	776	785	594	2440	273	681	547	1080	248	123
16	564	624	696	711	579	2580	262	624	653	765	221	110
17	530	616	602	664	577	1870	315	517	1030	562	206	99
18	507	565	538	913	646	1500	398	424	683	494	187	96
19	491	528	506	951	665	1130	347	378	462	594	249	98
20	478	494	496	748	650	919	302	343	339	665	253	113
21	462	472	499	663	629	809	276	312	277	441	201	139
22	438	448	582	631	591	732	258	371	245	378	173	146
23	412	467	566	2060	557	681	243	314	394	354	213	144
24	397	839	541	2980	588	646	232	343	448	382	317	135
25	393	907	575	2340	562	631	224	293	444	584	588	128
26	387	838	830	1920	542	634	216	256	539	886	400	128
27	381	781	805	1610	537	609	234	359	883	871	375	171
28	376	664	715	1250	624	585	286	437	3960	539	358	183
29	373	543	657	1040	---	563	364	397	5380	405	288	198
30	370	488	599	932	---	548	757	343	3220	377	245	195
31	369	---	547	915	---	559	---	305	---	322	211	---
TOTAL	46027	15983	19923	32951	21201	29183	11324	27913	23865	25064	9199	4660
MEAN	1485	533	643	1063	757	941	377	900	796	809	297	155
MAX	9200	907	1100	2980	1400	2580	757	4930	5380	3230	772	300
MIN	369	362	438	517	537	548	216	256	218	322	173	96
CFSM	2.16	.78	.94	1.55	1.10	1.37	.55	1.31	1.16	1.18	.43	.23
IN.	2.50	.87	1.08	1.79	1.15	1.58	.61	1.51	1.29	1.36	.50	.25

CHOCTAWHATCHEE RIVER BASIN

02361000 CHOCTAWHATCHEE RIVER NEAR NEWTON, AL--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 1999, BY WATER YEAR (WY)

MEAN	422	598	992	1474	1601	1871	1461	811	595	717	578	487
MAX	1707	2641	4544	5739	2862	5926	4323	2619	1667	7668	2384	2274
(WY)	1976	1949	1954	1925	1949	1990	1944	1953	1922	1994	1939	1937
MIN	77.6	161	204	337	496	358	351	220	98.7	116	95.0	95.1
(WY)	1988	1991	1956	1981	1989	1955	1967	1986	1988	1986	1988	1954

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1922 - 1999	
ANNUAL TOTAL	498966		267293			
ANNUAL MEAN	1367		732		967	
HIGHEST ANNUAL MEAN					1737	
LOWEST ANNUAL MEAN					412	
HIGHEST DAILY MEAN	34400	Mar 9	9200	Oct 1	72200	Mar 18 1990
LOWEST DAILY MEAN	124	Sep 1	96	Sep 18	44	Jul 20 1986
ANNUAL SEVEN-DAY MINIMUM	145	Aug 27	111	Sep 14	53	Jul 14 1986
INSTANTANEOUS PEAK FLOW			9560	Oct 1	87500	Mar 18 1990
INSTANTANEOUS PEAK STAGE			21.51	Oct 1	40.30	Mar 18 1990
ANNUAL RUNOFF (CFSM)	1.99		1.07		1.41	
ANNUAL RUNOFF (INCHES)	27.06		14.49		19.15	
10 PERCENT EXCEEDS	2680		1170		1980	
50 PERCENT EXCEEDS	624		539		600	
90 PERCENT EXCEEDS	220		204		191	

e Estimated

CHOCTAWHATCHEE RIVER BASIN

02361000 CHOCTAWHATCHEE RIVER NEAR NEWTON, AL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.61	4.86	4.98	6.63	5.27	5.34	5.28	4.49	10.59	4.42	4.14
2	---	4.60	4.83	5.04	6.76	5.15	5.37	4.99	4.49	8.37	4.32	4.09
3	---	4.82	4.81	6.29	6.48	5.16	5.23	4.65	4.35	6.68	4.24	4.05
4	---	4.86	4.80	6.15	6.30	5.13	5.03	4.44	4.25	5.73	4.19	4.02
5	---	4.80	4.79	5.80	5.99	5.14	4.91	4.35	4.23	5.36	4.14	3.97
6	---	4.75	4.80	5.61	5.77	5.45	4.83	4.44	---	5.08	4.18	3.93
7	6.33	4.69	4.82	5.35	5.65	5.93	4.77	12.18	---	5.54	4.19	3.97
8	7.02	4.66	5.31	5.23	5.56	5.62	4.73	13.95	4.28	6.13	4.14	3.98
9	6.82	4.66	6.17	5.57	5.48	5.80	4.68	12.42	4.23	5.32	4.64	4.47
10	6.37	4.67	6.07	6.29	5.44	5.89	4.62	8.42	4.24	5.02	4.61	4.38
11	5.98	4.97	5.82	6.11	5.41	5.62	4.57	6.50	4.18	4.88	4.78	4.18
12	5.68	5.10	5.57	5.86	5.39	5.43	4.51	5.57	4.45	5.30	5.60	4.09
13	5.46	5.08	5.72	5.63	5.33	5.27	4.44	5.25	5.05	6.06	5.06	4.00
14	5.30	4.95	5.74	5.43	5.24	8.39	4.39	5.52	4.93	6.40	4.62	3.95
15	5.19	4.96	5.55	5.57	5.16	8.88	4.35	5.35	5.05	6.12	4.34	3.90
16	5.09	5.23	5.38	5.42	5.13	9.19	4.32	5.23	5.29	5.52	4.25	3.85
17	5.01	5.21	5.18	5.32	5.12	7.73	4.47	4.98	6.03	5.09	4.20	3.80
18	4.96	5.09	5.03	5.80	5.28	6.97	4.69	4.76	5.35	4.93	4.14	3.79
19	4.92	5.01	4.96	5.88	5.32	6.22	4.56	4.64	4.85	5.16	4.34	3.80
20	4.89	4.93	4.93	5.49	5.29	5.82	4.44	4.55	4.54	5.29	4.35	3.86
21	4.85	4.88	4.94	5.31	5.24	5.61	4.36	4.46	4.36	4.80	4.19	3.96
22	4.79	4.82	5.13	5.24	5.15	5.46	4.31	4.62	4.27	4.64	4.09	3.99
23	4.73	4.86	5.10	8.17	5.07	5.35	4.26	4.47	4.68	4.58	4.22	3.98
24	4.69	5.67	5.04	10.06	5.15	5.28	4.23	4.55	4.82	4.65	4.52	3.95
25	4.68	5.80	5.12	8.69	5.09	5.24	4.20	4.41	4.81	5.07	5.20	3.92
26	4.67	5.67	5.65	7.83	5.04	5.25	4.18	4.30	5.03	5.82	4.76	3.92
27	4.65	5.56	5.61	7.19	5.03	5.19	4.23	4.59	5.75	5.79	4.70	4.08
28	4.64	5.31	5.43	6.46	5.23	5.14	4.39	4.79	12.04	5.09	4.65	4.12
29	4.63	5.04	5.30	6.04	---	5.09	4.59	4.69	14.79	4.77	4.45	4.18
30	4.62	4.91	5.17	5.84	---	5.05	5.51	4.55	10.55	4.70	4.33	4.16
31	4.62	---	5.05	5.81	---	5.08	---	4.44	---	4.55	4.22	---
MEAN	---	5.01	5.25	6.11	5.49	5.86	4.62	5.72	---	5.58	4.45	4.02
MAX	---	5.80	6.17	10.06	6.76	9.19	5.51	13.95	---	10.59	5.60	4.47
MIN	---	4.60	4.79	4.98	5.03	5.05	4.18	4.30	---	4.55	4.09	3.79

CHOCTAWHATCHEE RIVER BASIN

02362240 LITTLE DOUBLE BRIDGES CREEK NEAR ENTERPRISE, AL

LOCATION.--Lat 31°16'20", long 85°57'30", in SW¹/₄ sec. 33, T. 4 N., R. 21 E., Coffee County, Hydrologic Unit 03140201, near right bank on downstream side of bridge on County Road 18, 8.4 mi southwest of Enterprise.

DRAINAGE AREA.--21.4 mi².

PERIOD OF RECORD.--August 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 195 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 4-8. Records good except those of estimated period, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	146	33	34	33	66	31	34	21	13	36	11	9.7
2	93	32	33	100	45	28	26	18	13	19	9.5	8.6
3	78	65	33	131	40	32	24	16	11	15	9.0	8.2
4	e68	42	33	46	38	28	23	15	10	13	9.1	8.2
5	e59	38	34	40	35	26	23	15	12	11	9.4	8.8
6	e51	35	34	39	34	70	22	20	43	11	9.9	9.3
7	e47	34	37	39	34	47	22	48	32	24	9.8	16
8	e95	34	114	39	34	31	22	24	17	26	9.0	35
9	63	35	64	69	33	60	21	18	13	62	11	15
10	52	36	40	57	34	40	20	15	13	24	15	12
11	49	86	37	40	33	31	19	14	13	30	13	11
12	47	46	43	38	32	29	18	18	23	54	11	9.2
13	44	37	69	38	30	30	16	32	18	39	11	8.2
14	43	39	42	41	29	108	16	65	15	25	9.7	7.6
15	41	60	37	43	30	40	16	24	15	21	8.3	7.1
16	40	48	35	36	30	33	16	19	19	28	7.8	6.5
17	39	40	34	36	31	31	16	16	31	24	10	6.2
18	39	38	33	55	32	31	16	15	16	23	8.9	6.1
19	39	37	34	40	31	29	16	25	12	19	7.9	16
20	38	37	34	36	29	28	16	19	9.9	37	7.6	30
21	37	35	36	36	30	27	16	15	9.2	21	10	15
22	35	35	87	36	29	27	15	13	9.2	18	9.9	12
23	34	53	42	238	28	26	14	12	24	25	8.6	10
24	35	53	38	80	36	26	15	17	45	19	9.2	9.5
25	35	40	45	49	30	27	21	15	37	51	13	9.1
26	35	37	59	44	28	27	17	13	47	50	18	8.9
27	34	35	40	41	28	25	22	18	65	19	13	9.1
28	34	34	38	40	52	24	37	17	60	15	9.7	10
29	33	33	38	40	---	24	36	15	28	13	11	11
30	34	33	34	39	---	24	28	15	23	15	13	12
31	33	---	33	49	---	29	---	14	---	13	11	---
TOTAL	1550	1240	1344	1688	961	1069	623	621	696.3	800	324.3	345.3
MEAN	50.0	41.3	43.4	54.5	34.3	34.5	20.8	20.0	23.2	25.8	10.5	11.5
MAX	146	86	114	238	66	108	37	65	65	62	18	35
MIN	33	32	33	33	28	24	14	12	9.2	11	7.6	6.1
CFSM	2.34	1.93	2.03	2.54	1.60	1.61	.97	.94	1.08	1.21	.49	.54
IN.	2.69	2.16	2.34	2.93	1.67	1.86	1.08	1.08	1.21	1.39	.56	.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1999, BY WATER YEAR (WY)

	MEAN	29.0	35.6	36.0	52.7	54.0	82.1	38.5	25.0	27.1	42.1	20.6	26.6
MAX	97.7	76.7	48.6	93.8	87.5	322	74.8	47.5	52.1	282	46.3	121	
(WY)	1996	1996	1986	1991	1997	1990	1996	1996	1994	1994	1994	1998	
MIN	7.05	15.6	16.9	23.8	25.5	34.5	18.7	9.66	5.53	8.12	6.22	8.96	
(WY)	1988	1991	1988	1989	1989	1999	1987	1988	1988	1987	1986	1990	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1985 - 1999

ANNUAL TOTAL	22972	11261.9	
ANNUAL MEAN	62.9	30.9	
HIGHEST ANNUAL MEAN			39.2
LOWEST ANNUAL MEAN			63.3
HIGHEST DAILY MEAN	3440	Mar 8	238
LOWEST DAILY MEAN	10	Jun 17, 18, Jul 8	6.1
ANNUAL SEVEN-DAY MINIMUM	11	Jun 14	7.3
INSTANTANEOUS PEAK FLOW			463
INSTANTANEOUS PEAK STAGE			7.40
ANNUAL RUNOFF (CFSM)	2.94		1.44
ANNUAL RUNOFF (INCHES)	39.93		19.58
10 PERCENT EXCEEDS	87		51
50 PERCENT EXCEEDS	36		30
90 PERCENT EXCEEDS	15		9.9

* From rating extension above 3,500 ft³/s based on contracted opening computation at gage height of 13.90 ft.

e Estimated

CHOCTAWHATCHEE RIVER BASIN

02363000 PEA RIVER NEAR ARITON, AL

LOCATION.--Lat 31°35'41", long 85°46'59", in SW¹/₄ sec. 7, T. 7 N., R. 23 E., Dale County, on left bank at downstream side of abandoned bridge, and about 20 ft upstream from bridge on U.S. Highway 231, 2.2 mi downstream from Bryors Mill Creek, 2.8 mi downstream from Atlantic Coast Line Railroad bridge, 3.5 mi west of Ariton, and at mile 92.5.

DRAINAGE AREA.--498 mi².

PERIOD OF RECORD.--October 1938 to September 1970, October 1970 to September 1982 (flood hydrograph), October 1982 to September 1987 (annual peak discharge), October 1987 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 246.72 ft above sea level. Prior to Nov. 22, 1938, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: May 14-24. Records good except those estimated, 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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1900, about 25 ft, present site and datum, March 1929, from information by local residents (discharge not determined).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5500	73	205	275	791	389	496	170	108	2920	118	83
2	4630	72	197	325	975	410	574	182	111	1800	102	69
3	3340	81	194	652	1030	473	590	130	117	1140	87	62
4	2060	88	191	695	1110	526	551	98	105	707	77	57
5	1230	84	190	672	1130	508	503	81	86	478	83	54
6	713	87	190	587	998	579	420	460	120	273	75	50
7	437	84	198	483	818	633	354	1640	142	193	67	96
8	517	82	358	367	700	590	317	1830	137	202	70	124
9	526	84	485	409	625	644	288	1520	124	207	63	80
10	455	87	478	621	543	738	259	1310	114	212	466	86
11	346	119	475	673	500	741	232	1030	98	205	1700	81
12	269	172	419	621	491	659	203	571	74	405	1760	65
13	221	194	453	529	467	594	176	339	57	594	826	55
14	189	188	505	427	420	3480	154	e290	75	588	286	49
15	164	204	495	379	366	4180	169	e245	108	437	174	45
16	146	237	435	351	329	5050	269	e205	113	313	125	41
17	130	251	372	325	315	4640	375	e180	117	287	113	38
18	120	273	314	308	399	2760	626	e160	211	696	100	35
19	111	253	275	281	519	1610	985	e140	484	741	80	35
20	104	225	259	254	596	1090	899	e120	518	657	80	36
21	98	203	253	232	575	811	415	e102	448	677	72	37
22	92	186	264	214	525	679	209	e92	203	439	70	39
23	88	192	264	920	433	615	153	e85	127	269	151	45
24	84	310	264	1380	363	569	123	e80	170	257	114	51
25	80	453	294	1510	337	530	103	76	232	305	122	48
26	78	475	363	1550	332	505	88	71	403	385	316	44
27	76	409	402	1690	319	471	82	140	1230	303	157	42
28	76	309	414	1380	339	457	99	132	2620	231	117	43
29	75	252	386	900	---	441	106	127	3510	272	97	44
30	74	220	341	609	---	420	124	129	3780	177	83	46
31	73	---	301	575	---	409	---	115	---	139	103	---
TOTAL	22102	5947	10234	20194	16345	36201	9942	11850	15742	16509	7854	1680
MEAN	713	198	330	651	584	1168	331	382	525	533	253	56.0
MAX	5500	475	505	1690	1130	5050	985	1830	3780	2920	1760	124
MIN	73	72	190	214	315	389	82	71	57	139	63	35
CFSM	1.43	.40	.66	1.31	1.17	2.34	.67	.77	1.05	1.07	.51	.11
IN.	1.65	.44	.76	1.51	1.22	2.70	.74	.89	1.18	1.23	.59	.13

CHOCTAWHATCHEE RIVER BASIN
02363000 PEA RIVER NEAR ARITON, AL

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

MEAN	225	342	659	913	1115	1443	1018	467	333	423	310	235
MAX	1404	2305	2558	2930	2147	4272	3411	1693	1222	3587	1526	961
(WY)	1965	1949	1954	1943	1998	1990	1944	1953	1970	1994	1939	1956
MIN	10.5	37.1	98.8	212	317	183	134	84.0	23.4	61.5	20.6	13.6
(WY)	1988	1942	1956	1989	1989	1955	1967	1941	1988	1968	1988	1954

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1939 - 1999	
ANNUAL TOTAL	302271		174600			
ANNUAL MEAN	828		478		622	
HIGHEST ANNUAL MEAN					1094	
LOWEST ANNUAL MEAN					291	
HIGHEST DAILY MEAN	18200	Mar 9	5500	Oct 1	38200	Mar 18 1990
LOWEST DAILY MEAN	22	Sep 1	35	Sep 18, 19	7.7	Sep 16 1968
ANNUAL SEVEN-DAY MINIMUM	27	Aug 27	37	Sep 16	8.8	Sep 11 1968
INSTANTANEOUS PEAK FLOW			5880	Oct 1	47700	Mar 17 1990
INSTANTANEOUS PEAK STAGE			14.67	Oct 1	24.87	Mar 17 1990
ANNUAL RUNOFF (CFSM)	1.66		.96		1.25	
ANNUAL RUNOFF (INCHES)	22.58		13.04		16.96	
10 PERCENT EXCEEDS	1830		979		1410	
50 PERCENT EXCEEDS	269		269		313	
90 PERCENT EXCEEDS	47		75		48	

e Estimated

CHOCTAWHATCHEE RIVER BASIN

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

LOCATION.--Lat 31°24'48", long 86°03'47", in SW¹/₄SE¹/₄ 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, 4.5 mi upstream from Elba Dam, and at mile 61.8.

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 and published in "Daily River Stages" reports of National Weather Service.

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

GAGE.--Nonrecording gage. Datum of gage is 159.24 ft above sea level. Prior to June 19, 1934, at datum 0.1 ft lower.

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

COOPERATION.--Remote telemetry records provided by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 43.28 ft, (from highwater marks), Mar. 17, 1990; 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 FOR CURRENT YEAR.--Maximum gage height, 23.54 ft, Oct. 1 (recession of peak of 26.12 on Sept. 30, 1998); maximum peak, 20.51 ft, Mar. 14, minimum gage height, 2.34 ft, Sept. 19.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.33	3.66	4.05	4.11	7.21	4.78	5.49	3.56	3.23	14.76	3.47	2.86
2	16.03	3.62	3.99	4.26	7.38	4.73	5.53	3.60	3.66	11.23	3.30	2.74
3	14.50	3.74	3.95	6.35	7.15	4.86	5.44	3.51	3.50	8.49	3.18	2.66
4	11.70	3.78	3.92	6.35	6.97	5.24	5.21	3.30	3.22	6.90	3.17	2.65
5	9.29	3.69	3.91	6.22	6.99	5.02	5.04	3.19	3.04	6.03	3.06	2.60
6	7.65	3.63	3.90	5.65	6.73	5.34	4.84	5.18	3.33	5.27	3.02	2.67
7	7.40	3.61	3.94	5.32	6.31	5.94	4.62	13.28	3.88	4.88	2.96	3.24
8	8.76	3.59	4.58	5.07	5.89	5.61	4.49	11.87	3.53	4.92	2.94	4.10
9	7.61	3.60	5.11	5.90	5.65	6.25	4.37	9.66	3.17	5.32	3.26	4.02
10	6.77	3.64	4.92	6.94	5.42	6.56	4.23	7.40	2.96	4.67	3.28	3.32
11	6.03	4.18	4.78	6.52	5.21	6.19	4.09	6.58	2.82	4.61	5.73	3.09
12	5.58	4.54	4.69	6.12	5.09	5.73	3.92	5.68	2.80	5.58	7.99	2.92
13	5.28	4.36	5.34	5.67	5.02	5.56	3.76	4.96	2.76	7.87	6.96	2.76
14	5.04	4.25	5.22	5.42	4.87	18.84	3.65	4.51	2.77	7.05	4.67	2.63
15	4.84	4.61	5.03	5.47	4.73	18.03	3.62	4.17	3.12	5.97	3.66	2.52
16	4.68	4.98	4.79	5.17	4.62	15.16	3.94	3.88	3.64	6.58	3.28	2.45
17	4.54	4.84	4.56	4.98	4.56	14.03	3.97	3.66	3.85	9.57	3.05	2.40
18	4.43	4.68	4.35	4.89	4.94	13.47	4.39	3.56	3.87	6.96	2.98	2.36
19	4.34	4.53	4.21	4.80	5.27	9.87	5.04	4.25	4.18	7.18	2.88	2.36
20	4.29	4.42	4.13	4.64	5.37	7.84	5.70	3.84	4.23	6.32	2.77	2.42
21	4.22	4.27	4.12	4.55	5.26	6.86	4.97	3.52	4.16	5.97	2.81	2.45
22	4.11	4.12	4.20	4.48	5.09	6.29	3.99	3.30	3.85	5.61	2.80	2.51
23	4.01	4.24	4.15	8.48	4.88	5.92	3.59	3.19	3.62	4.68	2.75	2.52
24	3.91	4.86	4.10	9.82	4.76	5.67	3.40	3.20	4.58	5.33	3.06	2.47
25	3.86	4.99	4.25	9.28	4.58	5.53	3.28	3.02	5.33	4.89	2.97	2.52
26	3.83	5.04	4.67	8.68	4.50	5.54	3.21	3.16	6.47	5.56	4.07	2.48
27	3.79	4.86	4.68	8.19	4.46	5.29	3.22	3.78	11.19	4.76	4.64	2.48
28	3.76	4.57	4.60	8.03	4.71	5.15	3.55	3.88	19.21	4.25	3.51	2.59
29	3.73	4.30	4.54	7.06	---	5.05	3.61	3.48	14.89	4.00	3.11	2.61
30	3.70	4.13	4.40	6.09	---	4.96	3.57	3.36	13.84	4.03	2.95	2.75
31	3.68	---	4.23	6.00	---	4.98	---	3.25	---	3.70	2.85	---
MEAN	6.51	4.24	4.43	6.15	5.49	7.43	4.26	4.73	5.16	6.22	3.58	2.74
MAX	20.33	5.04	5.34	9.82	7.38	18.84	5.70	13.28	19.21	14.76	7.99	4.10
MIN	3.68	3.59	3.90	4.11	4.46	4.73	3.21	3.02	2.76	3.70	2.75	2.36
CAL YR 1998	MEAN 6.85		MAX 37.74		MIN 2.64							
WTR YR 1999	MEAN 5.09		MAX 20.33		MIN 2.36							

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 SE¹/₄SW¹/₄ 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.

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 sea level.

REMARKS.--No estimated daily discharges. Water-discharge 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2170	68	99	98	140	80	381	78	121	133	63	46
2	1060	67	94	200	134	72	254	64	106	120	58	44
3	542	69	90	468	121	71	145	57	87	100	53	44
4	358	68	87	402	113	70	114	52	73	81	50	42
5	285	66	85	272	103	67	100	50	64	79	48	47
6	243	66	83	206	97	98	93	51	58	80	46	46
7	208	66	84	171	92	113	97	78	56	101	44	50
8	196	65	105	149	89	85	88	73	54	115	43	60
9	184	65	112	223	86	283	82	59	54	80	53	53
10	161	66	96	285	85	291	76	52	56	65	76	47
11	142	271	90	219	85	164	71	48	67	63	60	43
12	128	212	91	172	81	121	66	50	92	205	52	40
13	117	132	195	150	82	109	62	86	104	510	47	38
14	110	114	174	176	78	284	60	141	106	359	43	37
15	103	222	129	205	76	291	58	100	136	186	41	36
16	98	286	111	171	75	178	56	71	150	151	40	34
17	93	239	100	147	75	135	55	60	159	119	42	33
18	91	197	93	134	75	116	53	55	132	105	41	33
19	88	158	89	123	76	104	52	148	102	164	41	34
20	86	135	90	114	75	95	52	149	81	156	42	37
21	86	120	89	110	73	90	50	97	69	118	128	39
22	81	118	112	107	72	85	49	67	61	95	107	37
23	77	198	122	199	72	80	48	62	59	84	68	35
24	75	287	106	244	75	77	48	108	71	263	55	34
25	75	217	109	185	73	76	47	79	73	237	140	34
26	73	163	134	145	70	78	46	75	123	242	209	34
27	72	137	121	126	69	73	77	218	400	180	99	38
28	71	119	120	116	83	71	120	314	393	122	66	46
29	70	109	143	111	---	69	94	184	302	97	56	65
30	70	101	123	107	---	67	111	119	198	82	53	60
31	69	---	107	107	---	167	---	131	---	71	48	---
TOTAL	7282	4201	3383	5642	2425	3760	2705	2976	3607	4563	2012	1266
MEAN	235	140	109	182	86.6	121	90.2	96.0	120	147	64.9	42.2
MAX	2170	287	195	468	140	291	381	314	400	510	209	65
MIN	69	65	83	98	69	67	46	48	54	63	40	33
CFSM	2.68	1.60	1.24	2.08	.99	1.38	1.03	1.09	1.37	1.68	.74	.48
IN.	3.09	1.78	1.43	2.39	1.03	1.59	1.15	1.26	1.53	1.94	.85	.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1999, BY WATER YEAR (WY)

	MEAN	97.4	112	140	190	213	270	171	140	141	118	112	116
MAX	516	438	528	414	428	1207	491	591	749	571	560	675	
(WY)	1996	1990	1973	1978	1985	1990	1980	1978	1970	1994	1975	1998	
MIN	22.6	39.5	59.9	56.1	62.3	64.3	40.2	31.0	22.2	28.2	40.3	25.6	
(WY)	1969	1982	1988	1981	1968	1968	1968	1968	1968	1981	1988	1968	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1968 - 1999

ANNUAL TOTAL	85613	43822	
ANNUAL MEAN	235	120	151
HIGHEST ANNUAL MEAN			281
LOWEST ANNUAL MEAN			51.8
HIGHEST DAILY MEAN	10300	Sep 29	16000
LOWEST DAILY MEAN	32	Aug 7	18
ANNUAL SEVEN-DAY MINIMUM	35	Jun 13	19
INSTANTANEOUS PEAK FLOW			24000
INSTANTANEOUS PEAK STAGE			25.35
ANNUAL RUNOFF (CFSM)	2.67		1.73
ANNUAL RUNOFF (INCHES)	36.31		23.47
10 PERCENT EXCEEDS	309		281
50 PERCENT EXCEEDS	98		87
90 PERCENT EXCEEDS	40		39

ESCAMBIA RIVER BASIN
ESCAMBIA RIVER MAIN STEM
02371500 CONECH RIVER AT BRANTLEY, AL

LOCATION.--Lat 31°34'24", long 86°15'06", in SW 1/4 SE 1/4 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 sea level (levels by the U.S. Army Corps of Engineers). Prior to Nov. 1, 1938, 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.

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5110	134	191	193	882	366	511	197	177	6390	199	78
2	5220	131	182	302	951	367	541	186	237	4470	169	78
3	6110	132	177	618	992	396	531	170	178	3010	147	80
4	4570	136	172	683	1070	446	509	154	143	2030	133	75
5	3290	129	169	571	1150	441	480	144	124	1410	120	72
6	2370	125	167	481	1230	431	433	422	125	840	110	70
7	1940	123	170	449	1170	521	391	1310	125	546	103	70
8	1550	123	195	409	991	533	368	1810	115	511	103	100
9	1000	126	226	471	784	573	341	2090	105	620	123	111
10	789	129	223	597	639	702	312	2350	112	524	127	87
11	696	163	206	587	550	685	290	2280	109	416	436	76
12	651	211	193	521	493	626	263	1830	101	563	472	68
13	561	227	212	465	464	674	236	1100	127	802	397	64
14	468	207	241	419	441	3320	213	577	170	741	467	60
15	392	235	241	379	404	3240	195	410	175	797	357	56
16	341	312	217	344	370	2370	300	339	198	955	206	54
17	302	380	200	313	350	3200	632	283	432	1210	145	51
18	274	372	187	295	392	4400	753	244	543	769	124	50
19	251	324	177	276	494	3360	828	252	315	830	115	49
20	235	287	172	258	518	2400	870	250	240	973	101	49
21	220	264	170	245	510	1750	728	240	219	1120	96	51
22	205	232	172	236	480	1210	418	197	209	928	92	62
23	187	223	171	733	424	801	286	169	167	702	93	75
24	173	260	170	1050	375	667	233	152	264	920	88	72
25	164	313	186	980	345	605	207	141	401	714	84	63
26	158	292	222	915	332	557	190	143	535	654	119	58
27	152	258	243	925	320	520	183	165	1520	431	168	56
28	148	240	244	983	346	497	194	173	2930	361	149	56
29	143	219	238	1010	---	481	216	179	2500	290	114	56
30	141	203	226	915	---	459	214	165	4290	276	97	60
31	138	---	210	792	---	448	---	157	---	242	84	---
TOTAL	37949	6510	6170	17415	17467	37046	11866	18279	16886	35045	5338	2007
MEAN	1224	217	199	562	624	1195	396	590	563	1130	172	66.9
MAX	6110	380	244	1050	1230	4400	870	2350	4290	6390	472	111
MIN	138	123	167	193	320	366	183	141	101	242	84	49
CFSM	2.45	.43	.40	1.12	1.25	2.39	.79	1.18	1.13	2.26	.34	.13
IN.	2.82	.48	.46	1.30	1.30	2.76	.88	1.36	1.26	2.61	.40	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1999, BY WATER YEAR (WY)

	MEAN	234	352	662	965	1201	1536	1158	570	374	409	327	239
MAX	1794	2702	2695	2782	2922	4000	4033	2646	2163	3291	2683	1721	
(WY)	1976	1949	1954	1943	1961	1944	1944	1953	1989	1994	1939	1961	
MIN	28.6	63.1	106	154	339	206	134	99.9	40.0	46.0	35.7	27.6	
(WY)	1969	1955	1955	1981	1968	1955	1967	1963	1988	1986	1986	1954	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1938 - 1999
ANNUAL TOTAL	317029	211978	
ANNUAL MEAN	869	581	666
HIGHEST ANNUAL MEAN			1193
LOWEST ANNUAL MEAN			276
HIGHEST DAILY MEAN	14800	6390	23100
LOWEST DAILY MEAN	39	49	23
ANNUAL SEVEN-DAY MINIMUM	43	51	24
INSTANTANEOUS PEAK FLOW		6980	25700
INSTANTANEOUS PEAK STAGE		18.40	24.51
ANNUAL RUNOFF (CFSM)	1.74	1.16	1.33
ANNUAL RUNOFF (INCHES)	23.59	15.77	18.11
10 PERCENT EXCEEDS	2060	1130	1490
50 PERCENT EXCEEDS	223	283	339
90 PERCENT EXCEEDS	67	101	74

ESCAMBIA RIVER BASIN

02372250 PATSALIGA CREEK NEAR BRANTLEY, AL

LOCATION.--Lat 31°35'46", long 86°24'20", in SE¹/₄NE¹/₄ 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 sea level, 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,600 ft³/s, Oct. 1; stage falling, peak occurred on Sept. 30, 1998.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13700	196	231	238	998	396	611	237	276	5140	208	113
2	8880	192	225	284	1150	390	665	213	314	3430	185	107
3	5230	190	223	712	1260	405	672	189	233	2310	165	104
4	3350	195	217	703	1300	441	622	173	184	1480	148	95
5	2380	190	215	608	1360	414	530	162	172	937	137	97
6	1770	181	214	573	1110	410	439	691	272	611	130	92
7	1650	179	215	564	820	465	411	2230	237	482	141	90
8	1590	177	246	453	720	464	400	2580	204	484	141	138
9	1520	177	335	432	635	540	374	2070	169	567	125	111
10	1240	183	328	650	539	690	343	1350	144	656	138	96
11	884	233	326	633	484	655	318	859	141	641	195	85
12	642	341	312	511	455	625	293	474	293	821	302	78
13	518	372	308	430	431	678	263	340	602	923	386	72
14	451	327	337	378	401	2750	240	294	492	1010	327	68
15	406	312	319	364	373	3610	300	275	518	922	194	65
16	378	415	296	346	359	3290	444	261	750	815	145	62
17	348	493	270	322	354	4940	518	229	1460	969	117	59
18	324	463	244	302	449	3710	534	212	1010	1190	106	57
19	308	383	227	288	541	2420	516	295	487	1290	98	55
20	295	329	219	275	573	1510	471	377	322	1350	91	55
21	284	291	219	265	557	864	314	348	242	1710	99	58
22	266	264	224	263	492	747	256	306	199	1630	163	66
23	246	255	223	575	412	690	230	235	177	699	147	70
24	230	328	226	1090	368	638	207	195	223	450	120	64
25	223	372	268	1040	349	578	194	172	361	405	174	60
26	219	353	309	1060	339	524	187	159	893	429	264	58
27	218	319	334	1000	330	491	191	187	1390	509	369	57
28	212	283	327	964	362	474	242	250	2230	539	275	57
29	206	258	311	718	---	456	273	241	3250	428	223	61
30	202	240	285	523	---	435	255	301	4320	288	167	67
31	200	---	258	735	---	442	---	258	---	239	134	---
TOTAL	48370	8491	8291	17299	17521	35142	11313	16163	21565	33354	5614	2317
MEAN	1560	283	267	558	626	1134	377	521	719	1076	181	77.2
MAX	13700	493	337	1090	1360	4940	672	2580	4320	5140	386	138
MIN	200	177	214	238	330	390	187	159	141	239	91	55
CFSM	3.53	.64	.61	1.26	1.42	2.56	.85	1.18	1.63	2.43	.41	.17
IN.	4.07	.71	.70	1.46	1.47	2.96	.95	1.36	1.81	2.81	.47	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1999, BY WATER YEAR (WY)

MEAN	291	371	604	915	1173	1466	926	525	387	361	249	262
MAX	1790	1763	1682	2021	2505	4627	2232	1841	1591	1885	1396	1628
(WY)	1976	1993	1998	1978	1975	1990	1980	1976	1989	1994	1975	1975
MIN	34.5	75.1	171	162	277	536	345	102	47.6	45.0	51.5	40.5
(WY)	1988	1991	1991	1981	1989	1981	1986	1988	1988	1981	1988	1990

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1975 - 1999

ANNUAL TOTAL	321806	225440	
ANNUAL MEAN	882	618	
HIGHEST ANNUAL MEAN			625
LOWEST ANNUAL MEAN			1084
HIGHEST DAILY MEAN	23000	13700	253
LOWEST DAILY MEAN	32	55	1981
ANNUAL SEVEN-DAY MINIMUM	38	59	21
INSTANTANEOUS PEAK FLOW		5760	22
INSTANTANEOUS PEAK STAGE		19.65	43600
ANNUAL RUNOFF (CFSM)	1.99	1.40	25.67
ANNUAL RUNOFF (INCHES)	27.08	18.97	1.41
10 PERCENT EXCEEDS	1720	1250	19.21
50 PERCENT EXCEEDS	285	327	
90 PERCENT EXCEEDS	68	128	

ESCAMBIA RIVER BASIN

ESCAMBIA RIVER MAIN STEM

02372422 CONECUH RIVER BELOW POINT A DAM AT RIVER FALLS, AL

LOCATION.--Lat 31°21'40", long 86°31'11", in NE¹/₄ sec. 35, T. 5 N., R. 15 E., Covington County, Hydrologic Unit 03140301, on right bank wingwall of Point A Dam, 1.65 mi upstream of U.S. Highway 84 bridge, 1.4 mi northeast of River Falls, 4 mi northwest of Andalusia, and at mile 79.50.

DRAINAGE AREA.--1,273 mi².

PERIOD OF RECORD.--June 1999 to current year. National Weather Service gage located at bridge 1.65 mi downstream. This station, "Conecuh River at River Falls," 02372430 was operated as an observer site from 1928 to 1996. Gage height records published in reports of National Weather Service for period November 1928 to December 1971 and reports of Geological Survey for period January 1972 to September 1996. NWS gage was to same datum as current site.

GAGE.--Water-stage recorder. Elevation of gage is 120.80 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Gage is located downstream of Point A Dam. Generally, flows less than 2,500 ft³/s can be regulated by operation of Point A Dam. 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 OUTSIDE PERIOD OF RECORD.--Flood of March 15, 1929 reached a stage of 52.5 ft and flood of March 18, 1990 reached a stage of 48.0 ft at "Conecuh River at River Falls" 02372430 site located 1.65 mi downstream. Gage readings are to datum of current gage at dam.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,100 ft³/s, July 2; maximum gage height, 27.18 ft, July 2; minimum daily discharge, 24 ft³/s, Sept. 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	8710	445	401
2	---	---	---	---	---	---	---	---	---	12700	476	281
3	---	---	---	---	---	---	---	---	---	10400	328	33
4	---	---	---	---	---	---	---	---	---	7390	586	304
5	---	---	---	---	---	---	---	---	---	4080	361	220
6	---	---	---	---	---	---	---	---	---	2160	365	80
7	---	---	---	---	---	---	---	---	---	1360	191	451
8	---	---	---	---	---	---	---	---	---	1680	336	108
9	---	---	---	---	---	---	---	---	---	1540	487	304
10	---	---	---	---	---	---	---	---	---	1400	381	456
11	---	---	---	---	---	---	---	---	---	1430	347	237
12	---	---	---	---	---	---	---	---	---	1550	677	189
13	---	---	---	---	---	---	---	---	---	2350	890	207
14	---	---	---	---	---	---	---	---	---	2110	639	152
15	---	---	---	---	---	---	---	---	---	1850	771	24
16	---	---	---	---	---	---	---	---	---	1920	724	105
17	---	---	---	---	---	---	---	---	1890	2470	398	68
18	---	---	---	---	---	---	---	---	2080	2320	456	191
19	---	---	---	---	---	---	---	---	1400	2420	247	119
20	---	---	---	---	---	---	---	---	719	2340	331	134
21	---	---	---	---	---	---	---	---	724	2230	304	118
22	---	---	---	---	---	---	---	---	629	2360	242	193
23	---	---	---	---	---	---	---	---	809	2130	306	25
24	---	---	---	---	---	---	---	---	438	1370	452	26
25	---	---	---	---	---	---	---	---	1260	2050	352	226
26	---	---	---	---	---	---	---	---	2410	2050	229	26
27	---	---	---	---	---	---	---	---	3980	1340	609	311
28	---	---	---	---	---	---	---	---	5520	1320	415	138
29	---	---	---	---	---	---	---	---	7340	949	400	98
30	---	---	---	---	---	---	---	---	6430	955	371	26
31	---	---	---	---	---	---	---	---	---	738	310	---
TOTAL	---	---	---	---	---	---	---	---	---	89672	13426	5251
MEAN	---	---	---	---	---	---	---	---	---	2893	433	175
MAX	---	---	---	---	---	---	---	---	---	12700	890	456
MIN	---	---	---	---	---	---	---	---	---	738	191	24
CFSM	---	---	---	---	---	---	---	---	---	2.27	.34	.14
IN.	---	---	---	---	---	---	---	---	---	2.62	.39	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	2893	433	175
MAX	---	---	---	---	---	---	---	---	---	2893	433	175
(WY)	---	---	---	---	---	---	---	---	---	1999	1999	1999
MIN	---	---	---	---	---	---	---	---	---	2893	433	175
(WY)	---	---	---	---	---	---	---	---	---	1999	1999	1999

ESCAMBIA RIVER BASIN

ESCAMBIA RIVER MAIN STEM

02372422 CONECUH RIVER BELOW POINT A DAM AT RIVER FALLS, AL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	19.44	8.19	7.93
2	---	---	---	---	---	---	---	---	---	26.38	8.25	7.80
3	---	---	---	---	---	---	---	---	---	22.24	7.84	7.38
4	---	---	---	---	---	---	---	---	---	17.16	8.25	7.92
5	---	---	---	---	---	---	---	---	---	12.31	7.87	7.74
6	---	---	---	---	---	---	---	---	---	10.12	7.87	7.47
7	---	---	---	---	---	---	---	---	---	9.26	7.69	8.09
8	---	---	---	---	---	---	---	---	---	9.64	7.98	7.52
9	---	---	---	---	---	---	---	---	---	9.50	8.23	7.91
10	---	---	---	---	---	---	---	---	---	9.37	8.06	8.00
11	---	---	---	---	---	---	---	---	---	9.40	7.84	7.67
12	---	---	---	---	---	---	---	---	---	9.52	8.33	7.68
13	---	---	---	---	---	---	---	---	---	10.32	8.62	7.72
14	---	---	---	---	---	---	---	---	---	10.07	8.25	7.60
15	---	---	---	---	---	---	---	---	---	9.78	8.57	7.33
16	---	---	---	---	---	---	---	---	---	9.87	8.37	7.45
17	---	---	---	---	---	---	---	---	---	9.84	10.46	7.92
18	---	---	---	---	---	---	---	---	---	10.03	10.29	8.08
19	---	---	---	---	---	---	---	---	---	9.36	10.40	7.81
20	---	---	---	---	---	---	---	---	---	8.47	10.31	7.83
21	---	---	---	---	---	---	---	---	---	8.48	10.19	7.92
22	---	---	---	---	---	---	---	---	---	8.40	10.34	7.80
23	---	---	---	---	---	---	---	---	---	8.78	10.09	7.82
24	---	---	---	---	---	---	---	---	---	8.33	9.25	8.00
25	---	---	---	---	---	---	---	---	---	9.20	10.01	7.87
26	---	---	---	---	---	---	---	---	---	10.38	10.00	7.73
27	---	---	---	---	---	---	---	---	---	12.21	9.28	8.26
28	---	---	---	---	---	---	---	---	---	14.25	9.27	7.97
29	---	---	---	---	---	---	---	---	---	17.10	8.83	8.00
30	---	---	---	---	---	---	---	---	---	15.64	8.87	8.06
31	---	---	---	---	---	---	---	---	---	---	8.51	7.94
MEAN	---	---	---	---	---	---	---	---	---	11.31	8.04	7.62
MAX	---	---	---	---	---	---	---	---	---	26.38	8.62	8.09
MIN	---	---	---	---	---	---	---	---	---	8.51	7.69	7.33

ESCAMBIA RIVER BASIN

02373000 SEPULGA RIVER NEAR MCKENZIE, AL

LOCATION.--Lat 31°27'13", long 86°47'13", in SE 1/4 SE 1/4 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 sea level (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.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29700	79	107	143	2210	230	391	238	247	3480	146	64
2	19600	78	102	155	2120	247	546	168	185	2060	129	55
3	12200	80	100	233	1590	259	513	134	141	1080	117	50
4	6080	77	99	399	1310	247	413	114	130	398	105	49
5	1710	73	99	374	981	265	318	102	118	273	96	57
6	598	72	97	311	630	310	299	196	103	211	93	49
7	441	70	97	217	514	596	270	2020	94	496	88	46
8	495	70	100	179	446	638	243	2240	90	1190	81	48
9	728	70	103	257	402	598	222	1430	104	1310	89	48
10	695	72	104	494	371	1360	204	1070	102	837	111	49
11	585	97	106	552	347	1200	187	740	88	692	108	42
12	414	94	112	408	324	830	168	351	83	935	88	38
13	296	98	155	299	299	739	152	259	190	1610	75	34
14	246	121	154	258	273	3940	137	227	292	1750	71	31
15	213	147	161	258	250	7030	129	208	379	1540	66	28
16	190	133	158	244	236	9170	164	183	382	1400	59	26
17	170	128	152	224	234	6670	270	161	758	1790	53	23
18	157	149	133	202	255	3280	264	147	764	2250	49	21
19	148	154	120	186	318	1890	200	347	459	2180	46	21
20	140	132	115	175	363	870	147	628	280	1960	47	21
21	132	117	112	165	322	721	125	326	182	1820	57	21
22	123	105	111	157	271	722	113	251	138	1220	87	20
23	113	131	110	374	241	671	104	181	115	505	67	18
24	105	152	116	1190	223	572	98	157	113	354	105	18
25	100	166	136	1140	212	459	93	148	145	426	226	17
26	95	163	149	893	202	399	88	138	915	852	170	18
27	91	156	159	724	198	358	88	254	2170	462	148	25
28	88	141	172	467	218	325	206	343	4290	317	163	23
29	86	123	172	342	---	300	462	208	6350	244	139	21
30	85	113	159	330	---	276	319	160	5730	199	98	27
31	81	---	152	979	---	297	---	186	---	169	77	---
TOTAL	75905	3361	3922	12329	15360	45469	6933	13315	25137	34010	3054	1008
MEAN	2449	112	127	398	549	1467	231	430	838	1097	98.5	33.6
MAX	29700	166	172	1190	2210	9170	546	2240	6350	3480	226	64
MIN	81	70	97	143	198	230	88	102	83	169	46	17
CFSM	5.21	.24	.27	.85	1.17	3.12	.49	.91	1.78	2.33	.21	.07
IN.	6.01	.27	.31	.98	1.22	3.60	.55	1.05	1.99	2.69	.24	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1999, BY WATER YEAR (WY)

MEAN	206	315	605	1018	1308	1695	1209	519	339	355	289	206
MAX	2449	3381	2779	3332	4255	4587	4418	2271	1364	2674	2227	1188
(WY)	1999	1949	1954	1946	1961	1944	1944	1978	1989	1994	1939	1946
MIN	6.66	15.9	40.8	72.5	142	106	121	69.1	29.1	30.0	11.1	4.71
(WY)	1955	1955	1955	1956	1950	1955	1967	1992	1988	1981	1954	1954

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1938 - 1999

ANNUAL TOTAL	363324		239803		669	
ANNUAL MEAN	995		657		256	1946
HIGHEST ANNUAL MEAN					29700	1950
LOWEST ANNUAL MEAN					3.5	1954
HIGHEST DAILY MEAN	29700	Oct 1	29700	Oct 1	4.0	1954
LOWEST DAILY MEAN	14	Sep 1	17	Sep 25		1954
ANNUAL SEVEN-DAY MINIMUM	15	Sep 13	19	Sep 20		1954
INSTANTANEOUS PEAK FLOW			32800	Oct 1		1998
INSTANTANEOUS PEAK STAGE			27.19	Oct 1	27.19	1998
ANNUAL RUNOFF (CFSM)	2.12		1.40		1.42	
ANNUAL RUNOFF (INCHES)	28.76		18.98		19.34	
10 PERCENT EXCEEDS	2010		1210		1700	
50 PERCENT EXCEEDS	123		183		210	
90 PERCENT EXCEEDS	28		65		39	

ESCAMBIA RIVER BASIN

02374250 (NWS 01-1084-07) CONECUH RIVER AT STATE HIGHWAY 41 NEAR BREWTON, AL

LOCATION.--Lat 31°04'01", long 86°03'42", in SW¹/₄NE¹/₄ 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, 2.7 mi upstream from Murder Creek, and at mile 10.1.

DRAINAGE AREA.--2,661 mi².

PERIOD OF RECORD.--April 1999 to current year. February 1929 to September 1997 (gage heights only). October 1971 to September 1997, April 1999 to current year in reports of Geological Survey. July 1930 to December 1971 collected by National Weather Service and published in "Daily River Stages: reports of National Weather Service.

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

GAGE.--Water-level recorder. Datum of gage is 43.10 ft above sea level. Gage datum changed from 53.10 ft in 1999 water year.

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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached a gage height of 46.6 ft and flood of March 21, 1990 reached a gage height of 35.04 ft.

EXTREMES FOR PERIOD APRIL 16, 1999 TO SEPTEMBER 30, 1999.--Maximum discharge, 15,200 ft³/s, July 4, gage height 23.09 ft; minimum daily discharge, 572 ft³/s, Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	1650	1860	13900	2310	1280
2	---	---	---	---	---	---	---	1570	1830	13800	2070	1180
3	---	---	---	---	---	---	---	1420	1500	14500	1830	1200
4	---	---	---	---	---	---	---	1420	1310	15000	1620	1030
5	---	---	---	---	---	---	---	1290	1410	12900	1490	908
6	---	---	---	---	---	---	---	1190	1140	8850	1580	1100
7	---	---	---	---	---	---	---	1720	1100	5730	1400	1340
8	---	---	---	---	---	---	---	5000	1170	4870	1270	1240
9	---	---	---	---	---	---	---	7320	1220	5500	1260	1050
10	---	---	---	---	---	---	---	7190	1230	5020	1390	869
11	---	---	---	---	---	---	---	6860	1170	4530	1910	1050
12	---	---	---	---	---	---	---	5920	1100	5000	1780	1210
13	---	---	---	---	---	---	---	4780	1440	6080	1410	976
14	---	---	---	---	---	---	---	3880	1580	6690	1570	955
15	---	---	---	---	---	---	---	3020	2100	6470	1790	784
16	---	---	---	---	---	---	1760	2140	2460	5770	1570	689
17	---	---	---	---	---	---	1700	1430	3110	5240	1580	629
18	---	---	---	---	---	---	1770	1720	4280	5910	1450	628
19	---	---	---	---	---	---	2180	1720	4570	6620	1230	642
20	---	---	---	---	---	---	2640	1940	3400	6860	1220	709
21	---	---	---	---	---	---	2380	2120	2230	6630	1100	773
22	---	---	---	---	---	---	2420	2100	1820	6210	1260	786
23	---	---	---	---	---	---	2160	2220	1850	5750	1240	710
24	---	---	---	---	---	---	1800	2030	1880	5610	1110	791
25	---	---	---	---	---	---	1370	1710	1850	4060	1810	742
26	---	---	---	---	---	---	1680	1390	2510	5250	3130	680
27	---	---	---	---	---	---	1500	1780	6550	6340	2250	738
28	---	---	---	---	---	---	1370	2430	8630	4420	1510	585
29	---	---	---	---	---	---	1500	2140	10600	3260	1580	624
30	---	---	---	---	---	---	1600	1960	12600	2740	1430	572
31	---	---	---	---	---	---	---	1780	---	2470	1430	---
TOTAL	---	---	---	---	---	---	---	84840	89500	211980	49580	26470
MEAN	---	---	---	---	---	---	---	2737	2983	6838	1599	882
MAX	---	---	---	---	---	---	---	7320	12600	15000	3130	1340
MIN	---	---	---	---	---	---	---	1190	1100	2470	1100	572
CFSM	---	---	---	---	---	---	---	1.03	1.12	2.57	.60	.33
IN.	---	---	---	---	---	---	---	1.19	1.25	2.96	.69	.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	2737	2983	6838	1599	882
MAX	---	---	---	---	---	---	---	2737	2983	6838	1599	882
(WY)	---	---	---	---	---	---	---	1999	1999	1999	1999	1999
MIN	---	---	---	---	---	---	---	2737	2983	6838	1599	882
(WY)	---	---	---	---	---	---	---	1999	1999	1999	1999	1999

ESCAMBIA RIVER BASIN
ESCAMBIA RIVER MAIN STEM

02374250 (NWS 01-1084-07) CONECUH RIVER AT STATE HIGHWAY 41 NEAR BREWTON, AL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	11.53	11.90	22.46	12.62	10.82
2	---	---	---	---	---	---	---	11.39	11.85	22.40	12.23	10.61
3	---	---	---	---	---	---	---	11.09	11.23	22.77	11.84	10.65
4	---	---	---	---	---	---	---	11.10	10.89	23.01	11.48	10.28
5	---	---	---	---	---	---	---	10.84	11.08	21.91	11.22	10.00
6	---	---	---	---	---	---	---	10.63	10.52	19.14	11.40	10.44
7	---	---	---	---	---	---	---	11.44	10.44	16.59	11.05	10.93
8	---	---	---	---	---	---	---	15.86	10.60	15.76	10.80	10.74
9	---	---	---	---	---	---	---	17.98	10.69	16.38	10.78	10.90
10	---	---	---	---	---	---	---	17.87	10.72	15.92	11.04	9.90
11	---	---	---	---	---	---	---	17.60	10.59	15.41	11.97	10.31
12	---	---	---	---	---	---	---	16.77	10.43	15.89	11.75	10.67
13	---	---	---	---	---	---	---	15.67	11.12	16.91	11.06	10.16
14	---	---	---	---	---	---	---	14.69	11.41	17.45	11.38	10.11
15	---	---	---	---	---	---	---	13.63	12.27	17.26	11.77	9.68
16	---	---	---	---	---	---	11.72	12.34	12.84	16.63	11.38	9.44
17	---	---	---	---	---	---	11.62	11.12	13.73	16.14	11.41	9.27
18	---	---	---	---	---	---	11.74	11.65	15.14	16.76	11.15	9.27
19	---	---	---	---	---	---	12.41	11.65	15.45	17.39	10.71	9.31
20	---	---	---	---	---	---	13.10	12.02	14.11	17.59	10.69	9.49
21	---	---	---	---	---	---	12.73	12.32	12.49	17.40	10.44	9.66
22	---	---	---	---	---	---	12.79	12.29	11.83	17.04	10.78	9.70
23	---	---	---	---	---	---	12.39	12.48	11.88	16.61	10.74	9.50
24	---	---	---	---	---	---	11.78	12.18	11.92	16.48	10.45	9.71
25	---	---	---	---	---	---	10.99	11.63	11.87	14.88	11.76	9.58
26	---	---	---	---	---	---	11.58	11.03	12.84	16.12	13.76	9.42
27	---	---	---	---	---	---	11.24	11.73	17.30	17.14	12.52	9.57
28	---	---	---	---	---	---	11.01	12.79	19.00	15.27	11.27	9.21
29	---	---	---	---	---	---	11.25	12.35	20.42	13.94	11.40	9.25
30	---	---	---	---	---	---	11.44	12.07	21.74	13.25	11.12	9.11
31	---	---	---	---	---	---	---	11.75	---	12.86	11.11	---
MEAN	---	---	---	---	---	---	---	12.89	12.94	17.25	11.39	9.92
MAX	---	---	---	---	---	---	---	17.98	21.74	23.01	13.76	10.93
MIN	---	---	---	---	---	---	---	10.63	10.43	12.86	10.44	9.11

ESCAMBIA RIVER BASIN

02374500 MURDER CREEK NEAR EVERGREEN, AL

LOCATION.--Lat 31°25'06", long 86°59'12", in SW¹/₄NW¹/₄ 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, 2.5 mi southwest of Evergreen, and at mile 35.6.

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 sea level (levels by U.S. Army Corps of Engineers). Prior to Mar. 25, 1939, nonrecording gage at same site and 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.

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).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1600	126	146	147	686	206	365	150	192	194	118	82
2	776	125	144	167	619	167	358	134	144	169	107	80
3	404	126	143	292	369	158	271	122	122	153	102	82
4	283	128	142	332	255	162	210	115	108	130	96	85
5	246	126	142	221	225	151	193	123	100	129	92	85
6	233	126	142	167	200	146	211	252	100	123	90	87
7	278	125	142	157	187	179	297	848	152	154	86	85
8	449	125	145	153	183	192	296	555	115	264	84	92
9	435	127	166	241	178	230	236	204	109	326	111	114
10	304	131	175	379	175	304	190	149	108	193	159	133
11	220	182	157	271	172	291	172	130	130	178	137	103
12	195	208	155	182	165	177	156	122	182	406	111	86
13	181	168	237	170	157	227	144	147	183	415	99	79
14	171	149	282	195	149	1540	138	176	144	400	90	75
15	165	190	214	216	146	2060	138	143	130	289	83	72
16	159	228	169	185	145	920	153	122	178	172	78	68
17	154	201	154	165	148	442	183	112	207	175	77	66
18	150	173	147	159	188	317	142	105	374	406	77	65
19	148	160	144	154	201	279	131	126	185	577	75	67
20	147	155	149	146	175	256	129	117	118	318	74	72
21	145	151	156	145	162	315	127	102	102	213	108	79
22	137	146	155	145	155	304	123	96	95	159	154	80
23	130	212	151	306	147	256	121	91	122	135	112	74
24	127	301	169	415	145	225	119	107	185	121	99	71
25	129	272	188	336	142	215	117	114	181	204	119	70
26	130	196	186	195	139	209	115	167	266	516	184	71
27	128	168	173	170	139	200	118	386	405	414	138	85
28	126	154	164	160	189	190	263	212	917	171	103	96
29	126	147	174	156	---	185	297	153	991	137	91	90
30	126	152	172	223	---	183	181	159	409	132	88	91
31	127	---	155	454	---	220	---	262	---	137	86	---
TOTAL	8129	4978	5138	6804	5941	10906	5694	5801	6754	7510	3228	2485
MEAN	262	166	166	219	212	352	190	187	225	242	104	82.8
MAX	1600	301	282	454	686	2060	365	848	991	577	184	133
MIN	126	125	142	145	139	146	115	91	95	121	74	65
CFSM	1.49	.94	.94	1.25	1.21	2.00	1.08	1.06	1.28	1.38	.59	.47
IN.	1.72	1.05	1.09	1.44	1.26	2.31	1.20	1.23	1.59	.68	.53	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1999, BY WATER YEAR (WY)

	MEAN	153	219	281	348	405	498	414	279	238	224	193	177
MAX	479	1063	898	764	1141	1146	1088	795	627	422	757	530	
(WY)	1976	1949	1954	1946	1961	1990	1980	1978	1980	1994	1975	1946	
MIN	50.3	62.8	89.1	128	158	109	125	88.1	74.2	70.5	54.1	46.7	
(WY)	1955	1955	1955	1956	1950	1955	1967	1956	1988	1952	1954	1954	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1938 - 1999

ANNUAL TOTAL	107672	73368	
ANNUAL MEAN	295	201	285
HIGHEST ANNUAL MEAN			487
LOWEST ANNUAL MEAN			145
HIGHEST DAILY MEAN	5250	2060	12200
LOWEST DAILY MEAN	67	65	39
ANNUAL SEVEN-DAY MINIMUM	70	69	40
INSTANTANEOUS PEAK FLOW		2550	22000
INSTANTANEOUS PEAK STAGE		10.72	16.65
ANNUAL RUNOFF (CFSM)	1.68	1.14	1.62
ANNUAL RUNOFF (INCHES)	22.76	15.51	22.01
10 PERCENT EXCEEDS	505	317	518
50 PERCENT EXCEEDS	161	155	198
90 PERCENT EXCEEDS	83	91	94

ESCAMBIA RIVER BASIN

02374700 MURDER CREEK AT BREWTON, AL

LOCATION.--Lat 31°06'03", long 87°04'08", in SW 1/4 sec. 28, T. 2 N., R. 10 E., Escambia County, Hydrologic Unit 03140304, near right bank at bridge on U.S. Highway 29 and State Highway 41, 0.5 mi upstream of Burnt Corn Creek, 3.6 mi upstream of Conecuh River and at river mile 3.6.

DRAINAGE AREA.--435 mi².

PERIOD OF RECORD.--March 1999 to current year. Gage height record collected by U.S. Army Corps of Engineers and National Weather Service since 1937 during flood events.

GAGE.--Water-stage recorder. Datum of gage is 52.07 ft above sea level. Prior to March 1999, nonrecording gage at same site and at same datum 10 ft higher.

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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Several notable floods have occurred at the site including July 8, 1916, gage height 30.2 ft; March 15, 1929, gage height 37.0 ft; April 11, 1975, gage height 30.93 ft; and Sept. 30, 1998, gage height 25.9 ft.

EXTREMES FOR MARCH 26, 1999 TO SEPTEMBER 30, 1999.--Maximum discharge, 2,370 ft³/s, June 27, gage height, 15.29 ft; minimum gage height, 9.77 ft, Sept. 18, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	913	310	502	830	321	221
2	---	---	---	---	---	---	877	269	381	633	284	211
3	---	---	---	---	---	---	742	246	301	631	251	207
4	---	---	---	---	---	---	623	225	251	629	231	208
5	---	---	---	---	---	---	546	219	222	525	217	517
6	---	---	---	---	---	---	519	235	205	424	203	428
7	---	---	---	---	---	---	714	507	219	527	196	429
8	---	---	---	---	---	---	899	855	312	689	198	357
9	---	---	---	---	---	---	638	659	261	764	247	322
10	---	---	---	---	---	---	508	385	250	656	381	294
11	---	---	---	---	---	---	441	305	295	610	528	292
12	---	---	---	---	---	---	395	281	400	1180	388	245
13	---	---	---	---	---	---	355	284	469	1200	284	206
14	---	---	---	---	---	---	324	311	446	972	237	181
15	---	---	---	---	---	---	309	325	473	784	205	163
16	---	---	---	---	---	---	305	279	459	571	188	154
17	---	---	---	---	---	---	314	244	610	447	181	146
18	---	---	---	---	---	---	336	236	523	426	171	142
19	---	---	---	---	---	---	299	252	535	644	169	143
20	---	---	---	---	---	---	286	259	351	846	176	151
21	---	---	---	---	---	---	280	234	258	587	196	161
22	---	---	---	---	---	---	271	207	228	454	202	161
23	---	---	---	---	---	---	264	191	290	423	275	158
24	---	---	---	---	---	---	260	193	325	505	277	152
25	---	---	---	---	---	---	253	195	484	475	699	146
26	---	---	---	---	---	640	245	248	1020	1130	1090	144
27	---	---	---	---	---	594	249	634	1920	1040	727	164
28	---	---	---	---	---	565	262	696	1230	708	399	174
29	---	---	---	---	---	543	387	439	1110	459	299	216
30	---	---	---	---	---	530	404	375	1120	378	271	259
31	---	---	---	---	---	632	---	516	---	346	241	---
TOTAL	---	---	---	---	---	---	13218	10614	15450	20493	9732	6752
MEAN	---	---	---	---	---	---	441	342	515	661	314	225
MAX	---	---	---	---	---	---	913	855	1920	1200	1090	517
MIN	---	---	---	---	---	---	245	191	205	346	169	142
CFSM	---	---	---	---	---	---	1.01	.79	1.18	1.52	.72	.52
IN.	---	---	---	---	---	---	1.13	.91	1.32	1.75	.83	.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	441	342	515	661	314	225
MAX	---	---	---	---	---	---	441	342	515	661	314	225
(WY)	---	---	---	---	---	---	1999	1999	1999	1999	1999	1999
MIN	---	---	---	---	---	---	441	342	515	661	314	225
(WY)	---	---	---	---	---	---	1999	1999	1999	1999	1999	1999

ESCAMBIA RIVER BASIN

02374700 MURDER CREEK AT BREWTON, AL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	11.94	10.53	10.93	11.70	10.39	10.08
2	---	---	---	---	---	---	11.83	10.41	10.60	11.21	10.28	10.05
3	---	---	---	---	---	---	11.48	10.33	10.37	11.20	10.18	10.04
4	---	---	---	---	---	---	11.22	10.26	10.22	11.20	10.11	10.04
5	---	---	---	---	---	---	11.05	10.24	10.13	10.95	10.07	10.91
6	---	---	---	---	---	---	11.00	10.30	10.07	10.68	10.02	10.69
7	---	---	---	---	---	---	11.47	11.04	10.11	10.95	10.00	10.70
8	---	---	---	---	---	---	11.91	11.80	10.41	11.34	10.00	10.50
9	---	---	---	---	---	---	11.32	11.30	10.25	11.51	10.16	10.40
10	---	---	---	---	---	---	11.02	10.62	10.22	11.26	10.56	10.31
11	---	---	---	---	---	---	10.86	10.39	10.35	11.15	10.95	10.31
12	---	---	---	---	---	---	10.75	10.31	10.66	12.80	10.58	10.16
13	---	---	---	---	---	---	10.65	10.32	10.84	12.85	10.28	10.03
14	---	---	---	---	---	---	10.57	10.41	10.78	12.12	10.13	9.94
15	---	---	---	---	---	---	10.53	10.45	10.85	11.56	10.03	9.88
16	---	---	---	---	---	---	10.52	10.31	10.82	11.06	9.97	9.84
17	---	---	---	---	---	---	10.54	10.20	11.19	10.75	9.94	9.81
18	---	---	---	---	---	---	10.61	10.17	10.98	10.69	9.91	9.80
19	---	---	---	---	---	---	10.50	10.22	11.01	11.23	9.90	9.80
20	---	---	---	---	---	---	10.46	10.25	10.52	11.74	9.93	9.83
21	---	---	---	---	---	---	10.44	10.17	10.24	11.10	9.99	9.87
22	---	---	---	---	---	---	10.41	10.07	10.14	10.76	10.02	9.87
23	---	---	---	---	---	---	10.39	10.02	10.34	10.67	10.25	9.86
24	---	---	---	---	---	---	10.38	10.03	10.44	10.89	10.26	9.83
25	---	---	---	---	---	---	10.35	10.03	10.88	10.80	11.39	9.81
26	---	---	---	---	---	11.25	10.33	10.20	12.23	12.63	12.49	9.81
27	---	---	---	---	---	11.12	10.34	11.24	14.49	12.34	11.44	9.88
28	---	---	---	---	---	11.05	10.38	11.39	12.93	11.39	10.62	9.92
29	---	---	---	---	---	10.99	10.75	10.76	12.55	10.78	10.33	10.07
30	---	---	---	---	---	10.96	10.80	10.59	12.58	10.56	10.24	10.20
31	---	---	---	---	---	11.21	---	10.96	---	10.47	10.15	---
MEAN	---	---	---	---	---	---	10.83	10.49	10.94	11.30	10.34	10.07
MAX	---	---	---	---	---	---	11.94	11.80	14.49	12.85	12.49	10.91
MIN	---	---	---	---	---	---	10.33	10.02	10.07	10.47	9.90	9.80

ESCAMBIA RIVER BASIN

02374745 BURNT CORN CREEK AT STATE HIGHWAY 41 NEAR BREWTON, AL

LOCATION.--Lat 31°07'47", long 87°05'14", in SW¹/₄ sec. 17, T. 2 N., R. 10 E., Escambia County, Hydrologic Unit 03140304, near right bank at bridge on State Highway 41, 1.8 mi northwest of Brewton, 3.2 mi upstream of Murder Creek, and at river mile 3.2.

DRAINAGE AREA.--182 mi².

PERIOD OF RECORD.--March 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 75 ft above sea level (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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 29, 1998 reached a gage height of 22.15 ft, 18,400 ft³/s (from highwater mark).

EXTREMES FOR MARCH 10, 1999 TO SEPTEMBER 30, 1999.--Maximum discharge, 3,500 ft³/s, Mar. 14, gage height, 12.22 ft; minimum daily discharge, 37 ft³/s, Sept. 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	378	98	203	176	71	82
2	---	---	---	---	---	---	381	84	144	139	64	71
3	---	---	---	---	---	---	268	76	107	182	58	65
4	---	---	---	---	---	---	230	70	86	126	53	62
5	---	---	---	---	---	---	210	70	73	130	49	97
6	---	---	---	---	---	---	199	82	72	138	45	147
7	---	---	---	---	---	---	436	287	67	141	43	142
8	---	---	---	---	---	---	869	394	78	227	48	156
9	---	---	---	---	---	---	428	186	80	325	216	237
10	---	---	---	---	---	721	262	117	74	218	271	142
11	---	---	---	---	---	391	213	90	73	161	250	100
12	---	---	---	---	---	268	181	80	114	593	178	78
13	---	---	---	---	---	451	156	93	116	733	114	66
14	---	---	---	---	---	2960	139	135	254	481	77	58
15	---	---	---	---	---	2590	130	114	283	264	60	52
16	---	---	---	---	---	1500	125	84	360	191	53	46
17	---	---	---	---	---	621	114	71	321	148	47	42
18	---	---	---	---	---	452	105	64	220	153	44	40
19	---	---	---	---	---	390	99	68	138	146	41	39
20	---	---	---	---	---	344	96	116	92	286	44	40
21	---	---	---	---	---	375	93	98	73	175	79	43
22	---	---	---	---	---	432	90	71	66	174	61	45
23	---	---	---	---	---	346	86	60	88	117	55	42
24	---	---	---	---	---	289	84	55	118	124	89	40
25	---	---	---	---	---	269	82	52	178	150	192	38
26	---	---	---	---	---	261	78	60	481	467	673	37
27	---	---	---	---	---	243	77	174	966	290	707	38
28	---	---	---	---	---	225	79	528	598	161	201	48
29	---	---	---	---	---	213	165	278	484	109	123	59
30	---	---	---	---	---	208	134	183	279	88	167	79
31	---	---	---	---	---	246	---	213	---	80	108	---
TOTAL	---	---	---	---	---	---	5987	4151	6286	6893	4281	2231
MEAN	---	---	---	---	---	---	200	134	210	222	138	74.4
MAX	---	---	---	---	---	---	869	528	966	733	707	237
MIN	---	---	---	---	---	---	77	52	66	80	41	37
CFSM	---	---	---	---	---	---	1.10	.74	1.15	1.22	.76	.41
IN.	---	---	---	---	---	---	1.22	.85	1.28	1.41	.88	.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	200	134	210	222	138	74.4
MAX	---	---	---	---	---	---	200	134	210	222	138	74.4
(WY)	---	---	---	---	---	---	1999	1999	1999	1999	1999	1999
MIN	---	---	---	---	---	---	200	134	210	222	138	74.4
(WY)	---	---	---	---	---	---	1999	1999	1999	1999	1999	1999

ESCAMBIA RIVER BASIN

02374745 BURNT CORN CREEK AT STATE HIGHWAY 41 NEAR BREWTON, AL--Continued

**GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	5.76	4.19	4.86	4.69	3.97	4.06
2	---	---	---	---	---	---	5.78	4.08	4.50	4.47	3.90	3.96
3	---	---	---	---	---	---	5.23	4.01	4.26	4.73	3.83	3.91
4	---	---	---	---	---	---	5.01	3.95	4.09	4.39	3.78	3.88
5	---	---	---	---	---	---	4.90	3.96	3.98	4.41	3.73	4.13
6	---	---	---	---	---	---	4.84	4.06	3.98	4.46	3.68	4.51
7	---	---	---	---	---	---	5.96	5.30	3.93	4.48	3.65	4.49
8	---	---	---	---	---	---	7.49	5.84	4.03	4.99	3.70	4.58
9	---	---	---	---	---	---	5.96	4.76	4.04	5.52	4.71	5.05
10	---	---	---	---	---	7.04	5.19	4.33	3.99	4.94	5.20	4.49
11	---	---	---	---	---	5.82	4.92	4.12	3.98	4.60	5.08	4.20
12	---	---	---	---	---	5.23	4.73	4.05	4.30	6.62	4.71	4.03
13	---	---	---	---	---	5.71	4.57	4.15	4.31	7.10	4.30	3.91
14	---	---	---	---	---	11.47	4.47	4.45	5.15	6.19	4.02	3.83
15	---	---	---	---	---	10.94	4.42	4.30	5.31	5.20	3.85	3.76
16	---	---	---	---	---	8.95	4.38	4.08	5.68	4.79	3.77	3.69
17	---	---	---	---	---	6.71	4.31	3.96	5.50	4.52	3.71	3.64
18	---	---	---	---	---	6.09	4.25	3.89	4.95	4.56	3.66	3.61
19	---	---	---	---	---	5.83	4.20	3.93	4.46	4.51	3.62	3.60
20	---	---	---	---	---	5.61	4.18	4.31	4.14	5.31	3.66	3.62
21	---	---	---	---	---	5.75	4.16	4.19	3.98	4.69	4.04	3.66
22	---	---	---	---	---	6.01	4.13	3.96	3.91	4.68	3.87	3.67
23	---	---	---	---	---	5.62	4.10	3.86	4.11	4.33	3.80	3.64
24	---	---	---	---	---	5.34	4.08	3.80	4.33	4.38	4.07	3.61
25	---	---	---	---	---	5.24	4.06	3.76	4.71	4.53	4.79	3.59
26	---	---	---	---	---	5.19	4.03	3.84	5.88	6.14	6.77	3.58
27	---	---	---	---	---	5.09	4.02	4.65	7.75	5.33	6.94	3.59
28	---	---	---	---	---	4.98	4.03	6.39	6.65	4.60	4.84	3.71
29	---	---	---	---	---	4.92	4.62	5.26	6.22	4.27	4.37	3.85
30	---	---	---	---	---	4.89	4.44	4.74	5.27	4.12	4.64	4.03
31	---	---	---	---	---	5.10	---	4.92	---	4.04	4.26	---
MEAN	---	---	---	---	---	---	4.74	4.36	4.74	4.89	4.29	3.93
MAX	---	---	---	---	---	---	7.49	6.39	7.75	7.10	6.94	5.05
MIN	---	---	---	---	---	---	4.02	3.76	3.91	4.04	3.62	3.58

ESCAMBIA RIVER BASIN

02375500 ESCAMBIA RIVER NEAR CENTURY, FL

LOCATION.--Lat 30°57'54", long 87°14'03", in NW¹/₄ sec. 10, T. 5 S., R. 30 E., Santa Rosa County, Fla., 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.

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

REVISED RECORDS.--WSP 1384: Drainage area.

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

REMARKS.--Estimated daily discharges: June 1-3, Aug. 5-9. Water-discharge records good. Some gage-height fluctuation during periods of low flow are attributed to regulation by power plants at Point-A Dam, 85.4 mi and Gantt Dam, 90.1 mi upstream from the gaging station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 98,900 ft³/s, Oct. 1; stage falling, peak occurred Sept. 30, 1998.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85500	3180	3800	3740	9890	3970	5550	2800	e3420	14500	3310	2060
2	72100	3210	3960	3630	10700	4040	7080	2570	e3520	15600	2970	1820
3	80300	3100	3390	4960	10800	3840	6870	2350	e2910	15800	2570	1820
4	86500	3190	3310	6780	9710	3930	6200	2300	2340	16300	2310	1650
5	78900	2950	3370	6090	8770	3900	5610	2200	2390	16400	e2120	1730
6	62900	2950	3430	5590	8510	4020	5230	2140	2190	13800	e2020	2020
7	52200	2940	3540	5140	7780	5270	5080	2250	2080	10000	e1990	2760
8	44200	2770	3260	4640	6940	5300	5850	5440	2040	8930	e1960	2990
9	35800	2680	3780	5050	6570	7100	5610	7830	2120	9030	e1950	2710
10	27700	2840	3870	6650	5950	10000	4540	8420	2110	8120	2400	2280
11	19100	4500	3690	7520	5640	8870	3890	8180	2180	6780	2680	1920
12	12700	5100	3580	6950	5080	7670	3640	7540	2230	7430	3050	1920
13	9880	4620	4750	5950	4760	6590	3320	6850	2430	10100	2430	1710
14	8480	3920	5670	5820	4620	13400	3410	5700	3060	10200	2200	1540
15	7190	4470	5270	6220	4220	26700	2860	4710	3550	9190	2380	1430
16	6430	6280	4500	6250	4000	30100	2900	3750	4540	8240	2140	1370
17	5950	6620	3960	5550	4080	30500	2810	2780	4590	7340	2070	1270
18	5590	5440	3850	4930	4020	30000	2700	2540	5390	7390	2020	1160
19	5050	4810	3660	4440	4390	28900	2860	2990	5820	8370	1780	1150
20	5050	4600	3480	4280	4580	27200	3490	2750	5210	8690	1770	1170
21	4760	4290	3490	4110	4510	23600	3510	3130	3750	8510	1940	1250
22	4410	4260	3530	3870	4370	18800	3370	2900	2850	7890	2000	1260
23	4340	4340	3660	4520	4300	13400	3270	3000	2860	7220	2010	1220
24	4060	5780	3560	6630	4220	9280	2950	2690	3030	7180	1790	1190
25	3750	6500	3370	8190	4070	7300	2510	2490	3130	6360	3410	1200
26	3680	5370	3730	8350	3870	6520	2400	2390	3820	6520	5210	1110
27	3770	4930	4030	7730	3600	5960	2600	2680	9310	7890	5090	1130
28	3430	4170	3890	7140	3560	5140	2300	3990	11300	6960	3480	1270
29	3480	4280	4220	6650	---	5030	2470	3920	11800	4970	2620	1300
30	3280	3980	4100	6350	---	4930	2780	3170	12900	4200	2420	1520
31	3280	---	3960	7600	---	4830	---	3210	---	3590	2310	---
MEAN	24310	4269	3860	5849	5840	11810	3922	3860	4296	9145	2529	1631
MAX	86500	6620	5670	8350	10800	30500	7080	8420	12900	16400	5210	2990
MIN	3280	2680	3260	3630	3560	3840	2300	2140	2040	3590	1770	1110
IN.	7.35	1.25	1.17	1.77	1.59	3.57	1.15	1.17	1.26	2.76	.76	.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 1999, BY WATER YEAR (WY)

	MEAN	3027	3244	5647	8595	10330	12730	11160	5922	4417	4077	4019	3156
MAX	24310	14740	24600	31530	21160	30930	31430	19520	22500	20850	23560	12010	
(WY)	1999	1949	1954	1936	1965	1998	1980	1978	1970	1994	1975	1975	
MIN	647	1033	1157	1895	2596	1783	2180	1556	1077	1271	939	693	
(WY)	1969	1955	1955	1956	1989	1955	1967	1963	1988	1968	1954	1968	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1935 - 1999
ANNUAL MEAN	10630	6820	6339
HIGHEST ANNUAL MEAN			11690
LOWEST ANNUAL MEAN			2889
HIGHEST DAILY MEAN	106000	Sep 30	106000
LOWEST DAILY MEAN	1440	Jul 9	582
ANNUAL SEVEN-DAY MINIMUM	1500	Sep 12	605
INSTANTANEOUS PEAK FLOW			117000
INSTANTANEOUS PEAK STAGE		17.95	24.35
INSTANTANEOUS LOW FLOW		1100	578
ANNUAL RUNOFF (INCHES)	37.80		22.57
10 PERCENT EXCEEDS	20500	10000	14500
50 PERCENT EXCEEDS	4170	4060	3730
90 PERCENT EXCEEDS	1740	2030	1370

e Estimated

PERDIDO RIVER BASIN

02376500 PERDIDO RIVER AT BARRINEAU PARK, FL

LOCATION.--Lat 30°41'25", long 87°26'25", in NW¹/₄ 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 at mile 28.0.

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 sea level. Prior to Aug. 22, 1949, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Oct. 1-6. Water-discharge records good.

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).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e12000	564	604	637	1060	560	951	354	942	1290	508	362
2	e5000	558	593	771	1090	556	836	350	788	883	448	355
3	e2700	564	585	1520	1090	539	795	344	685	723	414	355
4	e1900	566	577	1170	930	532	714	338	565	612	397	367
5	e1500	554	572	952	770	516	618	352	790	538	464	369
6	e1280	545	567	831	662	562	546	366	1040	505	400	395
7	1310	539	564	739	602	1240	625	365	802	474	388	416
8	2170	536	565	669	577	959	544	361	556	478	410	417
9	1870	536	591	799	561	1060	491	352	464	824	404	509
10	1590	548	575	1320	551	1960	466	342	433	974	398	642
11	1400	2010	558	1590	543	2250	448	336	425	750	385	507
12	1140	2470	571	1460	529	2350	429	341	1070	895	378	431
13	979	1340	934	1020	519	1270	414	398	814	1250	365	389
14	877	940	1050	1420	508	1590	403	446	749	1320	356	363
15	819	1410	1030	1300	497	2500	393	452	762	1920	370	346
16	784	1590	899	988	492	3920	385	402	723	1630	352	334
17	754	1270	764	910	492	3090	382	365	654	906	394	324
18	729	1180	657	824	512	1400	376	350	633	703	397	317
19	711	1070	603	726	521	884	372	394	577	641	420	315
20	699	911	592	662	526	729	368	443	491	680	439	315
21	698	786	588	627	518	647	367	403	427	706	483	318
22	669	836	617	608	511	607	366	364	420	585	499	318
23	642	962	609	812	497	582	363	356	422	508	450	313
24	624	1160	572	1060	490	559	363	612	440	507	413	309
25	612	945	588	931	488	545	360	473	542	499	679	306
26	603	833	709	839	481	570	364	408	1050	695	625	305
27	592	752	688	749	474	550	363	462	2730	600	562	306
28	583	690	708	664	506	519	363	548	6200	497	483	312
29	577	650	873	612	---	495	362	590	5860	451	406	391
30	572	622	759	620	---	480	360	527	2800	450	380	428
31	569	---	681	788	---	522	---	735	---	563	368	---
TOTAL	46953	27937	20843	28618	16997	34543	14187	12929	34854	24057	13435	11134
MEAN	1515	931	672	923	607	1114	473	417	1162	776	433	371
MAX	12000	2470	1050	1590	1090	3920	951	735	6200	1920	679	642
MIN	569	536	558	608	474	480	360	336	420	450	352	305
CFSM	3.84	2.36	1.71	2.34	1.54	2.83	1.20	1.06	2.95	1.97	1.10	.94
IN.	4.43	2.64	1.97	2.70	1.60	3.26	1.34	1.22	3.29	2.27	1.27	1.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1999, BY WATER YEAR (WY)

MEAN	518	620	723	965	987	1138	1032	722	678	709	715	747
MAX	2519	1865	2084	2636	2364	2791	3179	2402	2394	2023	2938	3460
(WY)	1996	1990	1954	1998	1990	1990	1983	1991	1989	1997	1975	1998
MIN	197	246	302	339	343	269	283	262	238	231	249	213
(WY)	1969	1956	1955	1957	1957	1955	1968	1988	1968	1968	1954	1968

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1941 - 1999

ANNUAL TOTAL	518853	286487	
ANNUAL MEAN	1422	785	795
HIGHEST ANNUAL MEAN			1372
LOWEST ANNUAL MEAN			371
HIGHEST DAILY MEAN	40800	12000	40800
LOWEST DAILY MEAN	372	305	188
ANNUAL SEVEN-DAY MINIMUM	389	310	190
INSTANTANEOUS PEAK FLOW		7660	44000
INSTANTANEOUS PEAK STAGE		14.90	26.30
ANNUAL RUNOFF (CFSM)	3.61	1.99	2.02
ANNUAL RUNOFF (INCHES)	48.99	27.05	27.42
10 PERCENT EXCEEDS	2120	1290	1440
50 PERCENT EXCEEDS	729	572	519
90 PERCENT EXCEEDS	414	363	298

PERDIDO RIVER BASIN
02376500 PERDIDO RIVER AT BARRINEAU PARK, FL--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1957 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

				BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)			SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	
DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)			GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)					
DEC 11...	0930	17.2	18.8	767	558	2.98	2.3	24	24	9.5	6.0	
APR 29...	1245	--	25.0	760	360	2.35	1.5	25	25	8.1	6.3	
AUG 18...	1100	25.7	30.5	746	394	2.36	1.4	24	26	7.8	6.4	
SEP 14...	1205	23.2	30.6	759	362	2.23	2.8	26	30	8.2	6.2	
DATE	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD (MG/L AS CACO3) (00410)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	COLI- FORM, FECAL, 0.7 UM-MF UREASE (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL (COL / 100 ML) (31633)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00600)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	
DEC 11...	6.0	5.8	3	6.2	0	2	2	65	120	.89	<.010	
APR 29...	6.3	5.4	--	5.6	0	2	2	45	K21	--	<.010	
AUG 18...	6.2	5.4	--	7.0	0	3	2	110	K68	--	<.010	
SEP 14...	6.2	7.7	--	6.3	0	2	1	K25	K24	--	<.010	
DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)
DEC 11...	.58	.310	--	.020	.020	<.010	4	3	.80	.60	2.0	.4
APR 29...	<.20	.290	--	<.020	<.020	<.010	5	3	.90	.60	2.0	.4
AUG 18...	<.20	.310	--	<.020	<.020	<.010	4	2	.80	.60	2.3	.5
SEP 14...	<.20	.380	.09	.020	<.020	.030	5	3	.90	.60	2.0	.4
DATE	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	
DEC 11...	47	.30	3.7	.80	<.10	7.9	18	<1.0	340	20	<2.0	
APR 29...	46	.30	3.5	.80	<.10	6.0	17	<1.0	250	11	<2.0	
AUG 18...	50	.40	3.6	1.1	<.10	7.0	19	<1.0	160	11	<2.0	
SEP 14...	45	.40	3.7	1.6	<.10	7.8	21	<1.0	180	18	<2.0	

PERDIDO RIVER BASIN

02376500 PERDIDO RIVER AT BARRINEAU PARK, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
DEC 11...	<1.0	<1.0	7.0	<1	57	<4	<1	28	19	42.2	.04
APR 29...	<1.0	<1.0	7.0	<1	34	<1	<1	21	17	20.4	.03
AUG 18...	<1.0	<1.0	8.0	<1	30	<1	<1	19	19	20.2	.03
SEP 14...	<1.0	<1.0	8.0	<1	34	<1	<1	21	20	20.5	.03

PERDIDO RIVER BASIN

02377570 STYX RIVER NEAR ELSANOR, AL

LOCATION.--Lat 30°36'20", long 87°32'50", in SW¹/₄ sec. 14, T. 5 S., R. 5 E., Baldwin County, Hydrologic Unit 03140106, near left bank on downstream side of bridge on County Road 87, 0.2 mi downstream of Cowpen Creek, 5 mi northeast of Elsanor, and 11.4 mi upstream from mouth.

DRAINAGE AREA.--192 mi².

PERIOD OF RECORD.--October 1987 to current year.

REVISED RECORDS.--WDR AL-89-1: 1988(P).

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (from topographic map).

REMARKS.--Estimated daily discharges: June 1 to July 29, Aug. 28-31. Records good except those of estimated periods, 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,100 ft³/s, Oct. 1; stage falling, peak occurred on Sept. 29, 1998.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5320	210	294	328	561	263	542	134	e850	e700	460	163
2	1710	208	285	514	482	251	448	132	e450	e450	337	160
3	1050	211	277	882	405	245	399	131	e250	e350	314	161
4	780	209	271	618	360	250	303	128	e200	e280	335	168
5	673	203	266	535	327	237	257	131	e350	e230	294	165
6	594	200	262	416	301	233	236	135	e600	e210	240	157
7	572	197	260	360	286	300	226	135	e400	e205	220	154
8	812	197	258	335	280	328	216	133	e250	e215	217	157
9	634	195	268	521	275	564	206	129	e210	e240	259	161
10	533	203	265	707	269	779	197	125	e190	e300	279	165
11	460	1040	255	609	265	634	190	125	e180	e500	235	158
12	409	1470	277	511	258	501	185	129	e500	e400	210	148
13	375	894	613	428	248	388	174	129	e400	e700	193	141
14	351	504	593	1050	240	736	168	129	e350	e850	182	138
15	323	1050	577	805	236	1160	164	134	e380	e900	180	134
16	308	1020	413	568	235	913	160	132	e350	e750	172	131
17	295	868	329	471	235	540	157	124	e320	e550	211	131
18	287	686	289	408	242	405	155	121	e340	e350	218	128
19	282	533	276	366	243	336	152	124	e300	e250	263	128
20	273	423	276	337	235	295	149	133	e250	e300	263	129
21	268	370	272	324	233	275	148	123	e210	e400	224	129
22	256	437	292	314	229	259	146	119	e190	e350	200	127
23	244	611	289	518	227	244	145	117	e180	e280	213	126
24	236	772	267	572	225	232	144	125	e190	e230	232	125
25	233	657	272	485	221	228	143	147	e300	e210	231	125
26	229	519	356	401	219	258	141	136	e550	e350	221	125
27	222	421	351	341	217	246	140	140	e1400	e550	199	126
28	219	361	387	314	248	227	142	158	e1900	e500	e185	139
29	216	329	528	305	---	217	140	189	e1800	e380	e176	260
30	214	309	464	319	---	209	137	216	e1100	411	e170	200
31	212	---	387	468	---	288	---	504	---	677	e166	---
TOTAL	18590	15307	10469	15130	7802	12041	6110	4567	14940	13068	7299	4459
MEAN	600	510	338	488	279	388	204	147	498	422	235	149
MAX	5320	1470	613	1050	561	1160	542	504	1900	900	460	260
MIN	212	195	255	305	217	209	137	117	180	205	166	125
CFSM	3.12	2.66	1.76	2.54	1.45	2.02	1.06	.77	2.59	2.20	1.23	.77
IN.	3.60	2.97	2.03	2.93	1.51	2.33	1.18	.88	2.89	2.53	1.41	.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1999, BY WATER YEAR (WY)

	MEAN	359	487	392	719	589	674	498	412	469	570	428	562
MAX	1376	1248	707	1743	1265	1369	1353	1047	1850	1824	907	3155	
(WY)	1996	1990	1996	1998	1990	1990	1996	1991	1989	1997	1995	1998	
MIN	137	138	176	207	198	284	204	139	125	282	175	149	
(WY)	1988	1991	1991	1989	1989	1989	1999	1992	1988	1990	1990	1999	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1988 - 1999		
ANNUAL TOTAL	297793			129782			513		
ANNUAL MEAN	816			356			818		
HIGHEST ANNUAL MEAN							356		
LOWEST ANNUAL MEAN							1998		
HIGHEST DAILY MEAN	42000			5320			42000		
LOWEST DAILY MEAN	141			117			110		
ANNUAL SEVEN-DAY MINIMUM	146			123			115		
INSTANTANEOUS PEAK FLOW				2200			48000		
INSTANTANEOUS PEAK STAGE				e 9.00			28.60		
ANNUAL RUNOFF (CFSM)	4.25			1.85			2.67		
ANNUAL RUNOFF (INCHES)	57.70			25.15			36.29		
10 PERCENT EXCEEDS	1050			624			879		
50 PERCENT EXCEEDS	321			262			295		
90 PERCENT EXCEEDS	164			135			157		

e Estimated

FISH RIVER BASIN

02378500 FISH RIVER NEAR SILVER HILL, AL

LOCATION.--Lat 30°32'43", long 87°47'55", in NW¹/₄ sec. 8, T. 6 S., R. 3 E., Baldwin County, Hydrologic Unit 03160205, near midchannel on upstream side of bridge on State Highway 104, 0.2 mi downstream from Caney Branch, 0.5 mi upstream from Perone Branch, 2.8 mi west of Silver Hill, and 12 mi upstream from mouth.

DRAINAGE AREA.--55.3 mi².

PERIOD OF RECORD.--July 1953 to September 1969, October 1970 to September 1971, November 1986 to current year.

REVISED RECORDS.--WDR AL-97-1: 1989, 1990, 1992, 1994, 1996 (P).

GAGE.--Water-stage recorder. Altitude of gage is 30 ft (from topographic map).

REMARKS.--Estimated daily discharges: July 30 to Aug. 12. Records good except those of estimated period, 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 768 ft³/s, Oct. 1; stage falling, peak occurred Sept. 28, 1998.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	583	99	105	103	123	87	196	61	180	77	e75	80
2	303	99	103	157	104	79	115	59	87	68	e69	81
3	214	104	102	234	98	86	99	59	69	70	e67	84
4	184	100	103	140	95	81	93	59	63	65	e67	79
5	182	97	102	119	90	76	89	61	62	71	e100	79
6	174	96	102	112	87	78	85	63	58	63	e78	78
7	171	95	101	109	86	81	83	62	57	80	e72	73
8	192	95	103	106	87	75	80	58	75	93	e68	72
9	158	95	112	223	86	363	79	57	126	89	e130	78
10	142	103	102	221	85	287	77	55	70	117	e280	76
11	135	318	99	130	84	118	76	57	197	126	e180	71
12	130	224	140	113	82	101	74	65	197	190	e100	69
13	126	122	310	111	81	116	71	67	115	266	92	68
14	124	110	162	149	79	248	71	63	117	126	84	66
15	121	476	123	136	80	144	71	57	149	90	84	65
16	119	370	111	111	80	111	68	55	147	76	79	64
17	117	191	105	106	82	101	69	55	113	72	80	64
18	117	140	101	103	82	96	68	54	77	70	79	64
19	116	126	106	97	81	92	68	78	65	71	79	66
20	115	120	107	95	78	89	68	63	60	108	77	69
21	113	115	103	96	78	93	67	56	58	76	75	70
22	107	145	117	95	77	88	67	54	57	64	76	67
23	105	209	110	171	78	84	67	54	62	59	85	66
24	104	215	103	134	81	83	67	68	130	60	82	65
25	104	147	109	106	77	87	65	60	100	63	185	66
26	103	129	131	98	76	100	65	58	254	71	134	65
27	101	120	115	94	76	86	65	86	558	108	98	67
28	101	113	135	94	95	82	72	67	253	83	85	68
29	101	109	153	93	---	81	65	69	110	181	80	77
30	100	106	118	102	---	82	63	80	93	e80	93	96
31	100	---	108	139	---	215	---	267	---	e70	87	---
TOTAL	4662	4588	3701	3897	2388	3590	2363	2127	3759	2903	3020	2153
MEAN	150	153	119	126	85.3	116	78.8	68.6	125	93.6	97.4	71.8
MAX	583	476	310	234	123	363	196	267	558	266	280	96
MIN	100	95	99	93	76	75	63	54	57	59	67	64
CFSM	2.72	2.77	2.16	2.27	1.54	2.09	1.42	1.24	2.27	1.69	1.76	1.30
IN.	3.14	3.09	2.49	2.62	1.61	2.41	1.59	1.43	2.53	1.95	2.03	1.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1999, BY WATER YEAR (WY)

	MEAN	101	102	108	133	131	137	130	99.5	117	131	115	120
MAX	349	219	389	411	288	333	369	253	445	674	276	519	
(WY)	1996	1996	1954	1998	1961	1990	1996	1991	1989	1997	1969	1998	
MIN	39.6	46.5	52.4	59.4	61.7	55.6	54.4	47.5	41.5	60.3	46.7	49.9	
(WY)	1969	1956	1956	1968	1968	1955	1968	1968	1955	1967	1968	1963	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1953 - 1999

ANNUAL TOTAL	69746	39151	
ANNUAL MEAN	191	107	
HIGHEST ANNUAL MEAN			119
LOWEST ANNUAL MEAN			194
HIGHEST DAILY MEAN	5620	583	58.4
LOWEST DAILY MEAN	63	54	37
ANNUAL SEVEN-DAY MINIMUM	67	59	37
INSTANTANEOUS PEAK FLOW		665	16900
INSTANTANEOUS PEAK STAGE		9.05	22.78
ANNUAL RUNOFF (CFSM)	3.46	1.94	2.14
ANNUAL RUNOFF (INCHES)	46.92	26.34	29.12
10 PERCENT EXCEEDS	255	172	180
50 PERCENT EXCEEDS	110	92	84
90 PERCENT EXCEEDS	73	64	56

e Estimated

MOBILE RIVER BASIN

02398300 CHATTOOGA RIVER ABOVE GAYLESVILLE, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 34°17'25", long 85°30'33", in NW¹/₄ 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.

WATER-DISCHARGE RECORDS

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 current year.

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 sea level (Alabama Power Company bench mark). December 4, 1958, to July 20, 1959, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	134	153	495	4170	1160	679	394	278	342	218	122
2	137	134	149	475	3260	938	651	368	285	320	208	123
3	136	143	151	648	1860	1200	587	339	404	348	196	123
4	229	138	149	583	1390	1150	544	317	362	310	191	123
5	156	142	148	501	1120	959	505	316	443	281	188	121
6	147	138	149	457	976	984	759	2650	396	264	184	121
7	144	134	156	473	889	948	1250	4470	332	771	181	118
8	150	141	232	477	811	829	946	1840	302	362	175	118
9	148	155	244	563	730	849	827	1140	286	299	171	119
10	148	163	219	601	1260	829	730	917	274	278	167	120
11	144	246	190	532	946	743	647	778	265	542	166	115
12	143	209	186	484	824	679	566	683	276	2830	163	113
13	144	163	244	460	739	656	512	662	260	1320	160	111
14	141	177	268	660	662	974	481	714	253	782	165	110
15	137	288	235	1620	615	992	563	576	292	597	160	107
16	138	285	210	1080	582	847	576	521	326	499	154	104
17	138	329	198	841	1150	769	487	479	313	443	150	103
18	138	269	188	796	2280	711	449	457	259	418	147	103
19	139	212	189	741	1570	653	423	478	242	370	145	106
20	140	195	217	639	1240	611	402	439	236	343	144	107
21	131	194	216	587	1030	675	386	405	226	331	141	108
22	129	183	275	584	883	655	367	386	222	325	138	105
23	130	177	366	3320	787	582	350	381	221	305	136	101
24	131	175	1870	4830	737	559	344	363	237	313	147	102
25	132	170	1290	2020	685	542	329	340	255	425	149	103
26	136	165	754	1320	637	509	329	334	242	313	145	104
27	132	165	586	1070	618	482	344	339	297	286	140	105
28	130	159	738	905	1570	463	468	321	414	264	137	105
29	131	155	913	792	---	452	456	305	377	248	135	109
30	134	152	722	817	---	439	411	295	348	237	131	116
31	133	---	579	2250	---	449	---	287	---	228	125	---
TOTAL	4384	5490	12184	31621	34021	23288	16368	22294	8923	14994	4957	3345
MEAN	141	183	393	1020	1215	751	546	719	297	484	160	112
MAX	229	329	1870	4830	4170	1200	1250	4470	443	2830	218	123
MIN	129	134	148	457	582	439	329	287	221	228	125	101
CFSM	.39	.50	1.07	2.79	3.32	2.05	1.49	1.96	.81	1.32	.44	.30
IN.	.45	.56	1.24	3.21	3.46	2.37	1.66	2.27	.91	1.52	.50	.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1999, BY WATER YEAR (WY)

	MEAN	324	423	651	1033	1276	1432	894	586	379	360	228	214
MAX	1120	1455	2172	2206	3836	3112	1835	1421	1470	1106	419	476	
(WY)	1990	1993	1962	1962	1990	1964	1964	1966	1989	1989	1985	1989	
MIN	93.3	105	136	252	338	312	245	179	111	108	113	109	
(WY)	1988	1988	1966	1966	1988	1988	1986	1986	1988	1986	1987	1987	

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1959 - 1999

ANNUAL TOTAL	245038	181869	
ANNUAL MEAN	671	498	655
HIGHEST ANNUAL MEAN			1147
LOWEST ANNUAL MEAN			249
HIGHEST DAILY MEAN	6580	4830	20800
LOWEST DAILY MEAN	128	101	82
ANNUAL SEVEN-DAY MINIMUM	131	104	89
INSTANTANEOUS PEAK FLOW		4980	23300
INSTANTANEOUS PEAK STAGE		14.17	24.25
ANNUAL RUNOFF (CFSM)	1.83	1.36	1.79
ANNUAL RUNOFF (INCHES)	24.91	18.49	24.30
10 PERCENT EXCEEDS	1420	965	1310
50 PERCENT EXCEEDS	276	320	340
90 PERCENT EXCEEDS	139	131	147

MOBILE RIVER BASIN

02398300 CHATTOOGA RIVER ABOVE GAYLESVILLE, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-68, 1972, 1974, 1998 to current year.

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
	SEP 09...	4.5	.6	6.8	290	1	<1	<.1	.17	76	52
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NIUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MA <63U WS FIELD (UG/G) (34905)
	SEP 09...	20	1	11	<1	1	2.3	39	24	36	.28
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
	SEP 09...	.06	1	32	19	19	.050	.95	7	.3	.8
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)
	SEP 09...	38	<.05	1	10	2	2.7	59	25	3	69
DATE	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)
	SEP 09...	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00
DATE	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)	
	SEP 09...	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P', SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P', SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
	SEP 09...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0

MOBILE RIVER BASIN

02398300 CHATTOOGA RIVER ABOVE GAYLESVILLE, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	
			(00061)	(00010)	(00020)	(00025)			(00400)	(00403)	(00095)	
JAN												
12...	0845	5.39	491	6.6	10.5	757	11.1	91	7.7	7.8	322	
FEB												
09...	0900	6.04	756	12.9	14.0	754	8.6	82	8.0	7.9	263	
MAR												
08...	1130	6.30	873	10.3	11.5	762	9.9	88	8.0	7.5	230	
APR												
06...	0815	5.62	582	18.8	20.0	750	6.6	72	7.8	7.7	320	
MAY												
19...	0930	5.36	484	20.0	19.0	750	7.0	78	8.1	7.9	336	
JUN												
07...	1330	4.89	328	24.0	31.0	754	6.6	79	8.1	7.4	432	
JUL												
13...	0715	7.81	1520	22.0	21.0	748	6.6	77	7.5	7.4	154	
AUG												
10...	0830	4.37	168	25.0	26.0	744	5.5	68	7.7	8.0	534	
SEP												
07...	1215	4.16	137	24.0	33.0	742	6.1	75	8.0	8.1	692	
DATE		SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)
JAN												
12...	320	187	131	107	.77	.70	.20	.13	.029	<.010	--	
FEB												
09...	277	156	116	95	.81	.68	.23	.09	.059	<.010	--	
MAR												
08...	244	132	108	88	.58	.50	--	--	<.020	<.010	--	
APR												
06...	318	182	120	98	.64	.52	.37	.25	.037	<.010	--	
MAY												
19...	336	192	151	124	.71	.65	.22	.17	.042	.016	.429	
JUN												
07...	414	250	147	121	.97	.88	.32	.23	.087	.022	.542	
JUL												
13...	156	102	72	59	1.0	.64	.63	.26	.039	.010	.329	
AUG												
10...	525	317	180	148	.64	.50	.32	.18	.020	<.010	--	
SEP												
07...	677	418	180	148	.56	.52	--	--	<.020	<.010	--	

MOBILE RIVER BASIN

02398300 CHATTOOGA RIVER ABOVE GAYLESVILLE, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JAN 12...	.16	.23	.539	.26	.152	.109	.084	2.6	.30	32	6.2
FEB 09...	.15	.29	.526	.28	.145	.110	.092	1.7	.30	27	5.0
MAR 08...	.12	.20	.384	.19	.092	.063	.061	1.7	<.20	25	4.5
APR 06...	.29	.41	.232	.31	.195	.146	.101	2.9	.60	29	5.8
MAY 19...	.21	.26	.445	.30	.156	.126	.099	2.0	.50	31	6.6
JUN 07...	.32	.41	.564	.79	.357	.282	.259	3.2	.60	31	7.1
JUL 13...	.30	.67	.339	.18	.168	.088	.060	6.6	.50	19	3.5
AUG 10...	.20	.34	.296	.97	.342	.219	.317	2.4	.40	35	9.2
SEP 07...	.26	.29	.265	1.2	.414	.404	.381	2.8	.30	36	10

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
JAN 12...	24	1	33	2.0	11	32	<.10	6.1	32	26
FEB 09...	18	.8	31	1.6	9.2	24	<.10	5.9	20	19
MAR 08...	13	.7	26	1.3	6.5	17	<.10	5.2	27	17
APR 06...	27	1	37	2.0	13	32	<.10	4.1	29	37
MAY 19...	27	1	35	2.1	13	25	<.10	5.0	18	19
JUN 07...	42	2	45	3.2	14	51	<.10	5.9	33	28
JUL 13...	5.5	.3	16	1.8	4.3	7.9	<.10	5.8	61	9.2
AUG 10...	62	2	51	4.0	19	80	<.10	6.6	E5.6	32
SEP 07...	94	4	59	5.2	30	130	<.10	7.4	12	49

MOBILE RIVER BASIN

02398300 CHATTOOGA RIVER ABOVE GAYLESVILLE, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)
MAY 19...	<.0070	<.0020	<.0050	E.0057	E.0047	<.0040	<.0030	<.0020	<.0060	<.0040	<.004	<.001
DATE	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THON, DIS- SOLVED (UG/L) (39532)	PARA- THON, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
MAY 19...	E.004	<.005	<.004	<.002	.011	<.002	<.0020	<.004	<.0030	<.0020	<.0040	<.0020
DATE	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THON WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
MAY 19...	<.0070	<.0020	<.0060	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030
DATE	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	
MAY 19...	<.0170	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0300	<.0010	<.0050	

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 09...	756	14	29	87
MAR 08...	873	11	26	90
APR 06...	582	20	31	89
MAY 19...	484	14	18	84
JUN 07...	328	25	22	74

MOBILE RIVER BASIN

02398950 WEST FORK LITTLE RIVER AT DESOTO STATE PARK NEAR FORT PAYNE, AL

LOCATION.--Lat 34°29'30", long 85°37'00", in SW¹/₄ sec. 20, T. 6 S., R. 10 E., DeKalb County, Ala., Hydrologic Unit 03150105, on right bank just off DeSoto Parkway near Park Headquarters, 8 mi northeast of Fort Payne.

DRAINAGE AREA.--42.8 mi².

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,370 ft, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 12-21, Nov. 6-11. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	.39	2.9	86	508	153	71	99	8.1	141	6.1	.05
2	5.5	.44	2.8	83	294	122	68	81	23	97	4.5	.03
3	4.9	.61	2.7	122	194	221	64	70	74	95	3.3	.04
4	5.2	.40	2.6	101	152	195	58	56	76	72	3.7	.04
5	5.0	.30	2.8	85	119	150	52	52	212	51	3.7	.04
6	5.1	e.30	2.7	74	100	151	148	1150	136	39	2.5	.04
7	5.8	e.30	2.8	69	92	139	216	492	87	28	1.6	.04
8	5.9	e.35	8.1	73	81	116	150	229	62	22	1.2	.03
9	5.4	e.40	28	119	77	110	117	151	44	17	.88	.03
10	5.3	e.45	25	127	145	97	93	110	31	16	.70	.04
11	3.6	e.50	19	102	123	88	78	84	24	38	.67	.04
12	e2.5	.45	17	89	107	78	65	68	23	118	.49	.03
13	e1.7	.38	24	78	94	81	57	66	19	145	.40	.03
14	e1.3	1.9	31	484	83	158	50	63	20	98	.43	.03
15	e1.1	3.1	26	653	74	157	63	49	22	73	.41	.01
16	e.90	4.7	21	273	67	129	69	39	18	53	.50	.01
17	e.80	6.7	17	177	161	106	59	30	16	41	.46	.01
18	e.75	14	14	157	304	90	54	59	12	37	.28	.02
19	e.70	8.7	16	133	197	78	49	111	8.9	31	.23	.01
20	e.65	9.3	19	110	147	70	46	70	6.8	25	.19	.01
21	e.60	9.6	21	95	117	110	41	53	5.5	32	.15	.02
22	.54	7.4	61	90	96	104	36	42	4.7	30	.12	.02
23	.53	6.5	88	1550	84	92	31	33	4.1	27	.12	.01
24	.54	6.1	410	695	77	84	29	26	6.2	51	.15	.01
25	.52	5.3	208	305	70	74	26	20	7.8	66	.11	.01
26	.50	4.6	134	195	63	65	28	20	8.1	42	.10	.01
27	.47	4.5	117	150	64	59	40	20	16	27	.10	.01
28	.45	4.0	174	118	178	52	147	16	32	18	.09	.01
29	.42	3.5	218	97	---	51	133	13	84	13	.08	.06
30	.41	3.0	145	125	---	49	123	10	81	10	.06	.10
31	.53	---	107	338	---	53	---	8.9	---	7.8	.05	---
TOTAL	73.31	108.17	1967.4	6953	3868	3282	2261	3390.9	1172.2	1560.8	33.37	0.84
MEAN	2.36	3.61	63.5	224	138	106	75.4	109	39.1	50.3	1.08	.028
MAX	5.9	14	410	1550	508	221	216	1150	212	145	6.1	.10
MIN	.41	.30	2.6	69	63	49	26	8.9	4.1	7.8	.05	.01
CFSM	.06	.08	1.48	5.24	3.23	2.47	1.76	2.56	.91	1.18	.03	.00
IN.	.06	.09	1.71	6.04	3.36	2.85	1.97	2.95	1.02	1.36	.03	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 1999, BY WATER YEAR (WY)

MEAN	26.8	25.1	71.1	231	196	105	109	87.6	31.4	26.6	3.12	2.51
MAX	51.2	46.6	78.8	237	254	106	143	109	39.1	50.3	5.17	4.98
(WY)	1998	1998	1998	1998	1998	1999	1998	1999	1999	1999	1998	1998
MIN	2.36	3.61	63.5	224	138	104	75.4	65.7	23.6	2.80	1.08	.028
(WY)	1999	1999	1999	1999	1999	1998	1999	1998	1998	1998	1999	1999

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1997 - 1999

ANNUAL TOTAL	27263.88	24670.99	
ANNUAL MEAN	74.7	67.6	75.6
HIGHEST ANNUAL MEAN			83.7
LOWEST ANNUAL MEAN			67.6
HIGHEST DAILY MEAN	1300	1550	1550
LOWEST DAILY MEAN	.25	.01	.01
ANNUAL SEVEN-DAY MINIMUM	.36	.01	.01
INSTANTANEOUS PEAK FLOW		2480	2600
INSTANTANEOUS PEAK STAGE		10.33	10.50
ANNUAL RUNOFF (CFSM)	1.75	1.58	1.77
ANNUAL RUNOFF (INCHES)	23.70	21.44	24.01
10 PERCENT EXCEEDS	181	150	158
50 PERCENT EXCEEDS	13	29	38
90 PERCENT EXCEEDS	.56	.11	.46

e Estimated

MOBILE RIVER BASIN

02399200 LITTLE RIVER NEAR BLUE POND, AL

LOCATION.--Lat 34°17'20", long 85°40'50", in NE¹/₄ 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.--October 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 sea level. 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.--Estimated daily discharges: Jan. 23 to Feb. 3, Apr. 22 to May 5. 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	.63	11	430	e2000	899	407	e520	37	621	70	1.4
2	7.2	.63	10	396	e1600	680	399	e430	39	481	57	1.3
3	6.9	.75	9.8	677	e1300	981	340	e380	175	468	46	.99
4	9.4	.76	9.8	576	946	1030	291	e290	168	351	37	.89
5	10	.69	9.3	441	739	801	245	e240	739	247	29	.80
6	8.4	.73	9.0	358	610	769	518	4750	592	178	24	.65
7	11	.71	9.1	312	531	717	1170	2600	320	145	19	.73
8	16	.78	15	313	433	600	859	1300	204	122	15	1.1
9	15	.95	32	502	362	580	672	801	143	101	13	.94
10	14	2.0	59	599	1050	508	530	553	106	86	11	.72
11	12	6.8	54	466	824	423	429	390	82	172	9.3	.66
12	12	8.0	49	382	672	369	349	296	89	1730	8.1	.64
13	12	10	57	333	558	348	294	307	82	2100	7.1	.48
14	11	16	89	787	457	657	259	379	78	1020	6.5	.44
15	9.5	22	88	2480	392	721	292	258	134	646	5.3	.43
16	8.2	23	70	1260	341	593	370	192	130	412	4.3	.35
17	7.3	44	59	836	1120	493	292	152	118	286	3.8	.33
18	6.5	44	51	732	2540	405	252	141	91	237	3.3	.33
19	4.5	32	49	647	1520	339	228	369	70	223	2.9	.30
20	3.2	28	55	530	1040	300	212	249	56	168	3.5	.27
21	2.2	24	66	457	781	516	184	171	47	157	2.3	.34
22	1.7	25	76	455	615	542	e160	133	39	350	2.0	.43
23	1.5	26	232	e8200	512	449	e153	113	34	280	1.7	.38
24	1.2	26	2220	e3500	441	399	e138	98	38	468	1.6	.36
25	1.0	23	1420	e1400	383	357	e145	82	53	915	1.5	.33
26	.93	20	770	e900	332	297	e155	70	52	436	1.4	.31
27	.76	16	549	e750	303	251	e225	67	108	265	1.2	.28
28	.66	14	867	e600	1060	219	e750	63	1140	172	1.1	.27
29	.58	13	1280	e500	---	203	e715	54	1080	127	1.3	.37
30	.53	12	808	e600	---	198	e690	46	671	126	1.4	.44
31	.63	---	564	e1400	---	213	---	39	---	90	1.4	---
TOTAL	203.39	441.43	9647.0	31819	23462	15857	11723	15533	6715	13180	392.0	17.26
MEAN	6.56	14.7	311	1026	838	512	391	501	224	425	12.6	.58
MAX	16	44	2220	8200	2540	1030	1170	4750	1140	2100	70	1.4
MIN	.53	.63	9.0	312	303	198	138	39	34	86	1.1	.27
CFSM	.03	.07	1.56	5.16	4.21	2.57	1.96	2.52	1.12	2.14	.06	.00
IN.	.04	.08	1.80	5.95	4.39	2.96	2.19	2.90	1.26	2.46	.07	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1999, BY WATER YEAR (WY)

MEAN	189	381	649	983	969	1099	708	379	172	197	80.5	113
MAX	1080	1583	2020	1848	3000	2596	1939	1114	1101	1690	578	676
(WY)	1976	1993	1983	1982	1990	1980	1979	1984	1989	1985	1984	1979
MIN	1.35	2.69	24.1	132	293	209	118	33.1	4.53	1.83	1.77	.58
(WY)	1988	1988	1966	1981	1978	1974	1986	1986	1988	1960	1980	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1959 - 1999
ANNUAL TOTAL	152311.72	128990.08	
ANNUAL MEAN	417	353	491
HIGHEST ANNUAL MEAN			784
LOWEST ANNUAL MEAN			192
HIGHEST DAILY MEAN	9690	8200	27100
LOWEST DAILY MEAN	.53	.27	.20
ANNUAL SEVEN-DAY MINIMUM	.63	.33	.29
INSTANTANEOUS PEAK FLOW		12500	* 53800
INSTANTANEOUS PEAK STAGE		9.76	16.98
ANNUAL RUNOFF (CFSM)	2.10	1.78	2.47
ANNUAL RUNOFF (INCHES)	28.47	24.11	33.55
10 PERCENT EXCEEDS	1060	829	1230
50 PERCENT EXCEEDS	46	143	170
90 PERCENT EXCEEDS	3.2	.79	5.5

* From rating curve extended above 23,000 ft³/s on basis of contracted opening and flow over road.

e Estimated

MOBILE RIVER BASIN

02399500 COOSA RIVER AT LEESBURG, AL

LOCATION.--Lat 34°10'36", long 85°45'15", in SW¹/₄ sec. 12, T. 10 S., R. 8 E., Cherokee County, Hydrologic Unit 03150105, at bridge on U.S. Highway 411, in pool in Weiss Reservoir, 1 mi east of Leesburg, and at mile 226.1.

DRAINAGE AREA.--5,270 mi².

PERIOD OF RECORD.--October 1937 to September 1958. May 1988 to current year (elevations only). Gage-height records October 1959 to April 1988 are unpublished.

GAGE.--Water-stage recorder. Datum of gage is sea level. October 1937 to September 1958 at present site and datum of 517.77 ft above sea level.

REMARKS.--Records good. Since December 1949, flow regulated by Allatoona Reservoir (station 02393500) 158.8 mi upstream. Stage affected by Weiss Reservoir since April 1961.

AVERAGE DISCHARGE.--21 years (water years 1938-58), 8,161 ft³/s, 21.03 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,200 ft³/s, Feb. 14, 1946, Jan. 24, 1947, gage height, 35.1 ft (former datum), from graph based on wire-weight gage reading; minimum daily discharge, 1,130 ft³/s, Oct. 24-26, 1941. Maximum elevation (since May 1988), 570.87, Mar. 19, 1990; minimum elevation (since May 1988), 556.11 ft, Dec. 25, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 564.85 ft, May 18; minimum elevation, 557.37 ft, Dec. 31.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	561.35	561.21	559.63	557.80	559.83	560.75	562.68	563.80	564.05	563.51	563.09	562.30
2	561.31	561.27	559.49	557.95	560.17	560.69	562.94	563.92	563.83	563.55	563.07	562.18
3	561.26	561.19	559.32	557.94	560.24	560.67	563.24	563.97	563.76	563.65	563.02	562.02
4	561.53	561.12	559.13	557.89	560.00	560.90	563.44	563.95	563.73	563.84	562.87	561.94
5	561.51	561.04	558.95	557.79	559.87	561.01	563.41	563.93	563.80	563.87	562.74	561.88
6	561.41	560.88	559.12	557.75	559.80	561.10	563.27	564.22	564.09	563.90	562.69	561.87
7	561.36	560.82	559.19	557.70	559.77	561.09	563.39	564.52	564.18	563.89	562.73	561.79
8	561.37	560.86	559.14	557.77	559.79	561.06	563.32	564.53	564.08	563.76	562.82	561.66
9	561.37	560.87	558.97	558.10	560.04	560.79	563.16	564.44	563.95	563.56	562.87	561.59
10	561.34	560.78	558.71	558.63	560.26	560.57	563.27	564.32	563.78	563.54	562.80	561.50
11	561.36	560.70	558.54	558.67	560.21	560.59	563.37	564.25	563.76	563.80	562.78	561.45
12	561.41	560.63	558.73	558.53	560.25	560.71	563.46	564.19	563.81	564.11	562.74	561.48
13	561.37	560.51	558.98	558.43	560.48	560.88	563.51	564.19	563.85	564.25	562.64	561.47
14	561.37	560.55	558.96	558.46	560.46	561.16	563.55	564.11	563.90	564.04	562.60	561.39
15	561.38	560.65	558.89	558.67	560.23	561.33	563.55	564.10	563.87	563.86	562.71	561.31
16	561.39	560.60	558.63	558.98	559.99	561.45	563.57	564.22	563.88	563.76	562.77	561.24
17	561.47	560.50	558.37	558.94	560.04	561.36	563.62	564.56	563.96	563.70	562.70	561.23
18	561.59	560.45	558.23	558.80	560.40	561.20	563.65	564.71	563.87	563.74	562.63	561.21
19	561.63	560.25	558.34	558.85	560.45	561.05	563.60	564.55	563.79	563.79	562.58	561.19
20	561.59	559.96	558.61	558.76	560.57	561.15	563.69	564.27	563.83	563.84	562.59	561.12
21	561.49	559.82	558.69	558.53	560.59	561.61	563.74	564.07	563.91	563.83	562.59	561.00
22	561.34	559.83	558.56	558.32	560.57	561.85	563.77	563.98	563.88	563.69	562.62	560.93
23	561.27	559.82	558.40	558.96	560.44	561.81	563.71	564.00	563.83	563.54	562.59	560.79
24	561.27	559.65	558.55	559.70	560.41	561.85	563.69	564.07	563.75	563.59	562.48	560.70
25	561.29	559.49	558.31	559.94	560.24	561.80	563.75	564.04	563.70	563.87	562.48	560.67
26	561.27	559.34	558.25	559.73	559.99	561.78	563.85	563.98	563.68	563.96	562.46	560.70
27	561.26	559.56	558.08	559.52	559.99	561.88	563.91	563.91	563.71	563.76	562.45	560.66
28	561.26	559.70	557.75	559.59	560.38	562.22	563.88	563.79	563.80	563.62	562.46	560.46
29	561.20	559.77	557.66	559.41	---	562.44	563.85	563.83	563.68	563.43	562.54	560.28
30	561.16	559.76	557.71	559.24	---	562.51	563.77	563.97	563.57	563.26	562.55	560.11
31	561.12	---	557.57	559.19	---	562.63	---	564.09	---	563.13	562.45	---
MEAN	561.36	560.39	558.63	558.66	560.20	561.35	563.52	564.14	563.84	563.73	562.68	561.27
MAX	561.63	561.27	559.63	559.94	560.59	562.63	563.91	564.71	564.18	564.25	563.09	562.30
MIN	561.12	559.34	557.57	557.70	559.77	560.57	562.68	563.79	563.57	563.13	562.45	560.11
CAL YR 1998	MEAN 562.03		MAX 565.37		MIN 557.57							
WTR YR 1999	MEAN 561.65		MAX 564.71		MIN 557.57							

MOBILE RIVER BASIN

02400100 TERRAPIN CREEK AT ELLISVILLE, AL

LOCATION.--Lat 34°03'54", long 85°36'51", in SW¹/₄ 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 sea level.

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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	97	128	354	1900	600	747	235	145	542	136	80
2	111	101	127	325	1440	502	670	222	144	336	134	78
3	111	104	128	424	983	1070	535	209	169	294	130	78
4	287	105	129	383	766	1070	459	200	185	261	127	79
5	232	109	130	316	588	778	404	195	198	224	124	78
6	147	109	130	278	493	835	436	392	181	204	119	77
7	128	108	131	261	449	771	490	483	161	191	114	77
8	173	114	145	254	409	634	432	622	147	187	110	74
9	148	123	143	272	393	742	397	449	139	181	113	76
10	136	141	139	288	1150	735	367	327	133	172	108	77
11	122	253	136	265	1020	630	339	263	133	184	106	78
12	116	246	149	247	700	551	308	229	135	545	104	77
13	114	174	197	236	543	530	285	238	137	345	102	76
14	112	166	231	243	450	1630	274	223	133	257	102	75
15	110	277	200	893	402	1260	413	209	132	217	101	74
16	107	283	176	727	370	919	391	194	157	195	97	71
17	105	217	162	490	471	736	315	183	187	184	93	73
18	103	180	155	414	958	603	282	181	172	180	92	73
19	104	164	155	361	1050	521	268	221	145	171	91	75
20	103	154	163	314	1000	469	270	198	131	163	92	76
21	101	150	167	291	754	690	265	176	125	159	91	83
22	100	143	182	288	595	663	246	168	120	178	89	82
23	97	138	219	2000	508	544	234	169	119	162	100	77
24	98	138	1250	1890	474	487	227	194	143	161	96	79
25	100	136	1020	1270	433	463	255	187	258	155	108	79
26	99	134	606	895	398	442	257	168	982	173	105	79
27	99	132	417	609	376	405	251	164	650	151	98	82
28	102	133	490	479	696	377	315	158	976	139	92	86
29	103	133	895	399	---	374	290	151	1240	134	90	94
30	101	130	606	405	---	369	250	146	810	182	87	99
31	99	---	431	1150	---	388	---	144	---	145	83	---
TOTAL	3780	4592	9337	17021	19769	20788	10672	7298	8487	6772	3234	2362
MEAN	122	153	301	549	706	671	356	235	283	218	104	78.7
MAX	287	283	1250	2000	1900	1630	747	622	1240	545	136	99
MIN	97	97	127	236	370	369	227	144	119	134	83	71
CFSM	.48	.61	1.20	2.18	2.80	2.66	1.41	.93	1.12	.87	.41	.31
IN.	.56	.68	1.38	2.51	2.92	3.07	1.58	1.08	1.25	1.00	.48	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 1999, BY WATER YEAR (WY)

	MEAN	214	255	377	600	786	829	632	389	260	221	205	154
MAX	1261	897	1152	1293	1961	1735	1215	843	972	702	759	305	
(WY)	1996	1996	1984	1993	1990	1964	1982	1966	1989	1989	1984	1966	
MIN	67.9	89.7	97.6	137	235	200	143	113	79.0	73.9	70.5	78.7	
(WY)	1989	1988	1989	1981	1986	1988	1986	1986	1988	1986	1988	1999	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1963 - 1999
ANNUAL TOTAL	191662	114112	
ANNUAL MEAN	525	313	408
HIGHEST ANNUAL MEAN			657
LOWEST ANNUAL MEAN			147
HIGHEST DAILY MEAN	4490	2000	12000
LOWEST DAILY MEAN	97	71	56
ANNUAL SEVEN-DAY MINIMUM	99	74	59
INSTANTANEOUS PEAK FLOW		3220	20100
INSTANTANEOUS PEAK STAGE		12.02	19.82
ANNUAL RUNOFF (CFSM)	2.08	1.24	1.62
ANNUAL RUNOFF (INCHES)	28.29	16.85	22.01
10 PERCENT EXCEEDS	1360	711	871
50 PERCENT EXCEEDS	225	184	217
90 PERCENT EXCEEDS	107	92	99

MOBILE RIVER BASIN
MOBILE RIVER MAIN STEM

02400496 COOSA RIVER AT GADSDEN STEAMPLANT NEAR GADSDEN, AL

LOCATION.--Lat 34°00'50", long 85°58'13", in SE¹/₄ sec. 2, T. 12 S., R. 6 E., Etowah County, Hydrologic Unit 03150106, at Alabama Power Company intake structure on left bank at Gadsden Steamplant, 1 mi east of Gadsden, 1.1 mi downstream of Coal Creek, and at mile 174.8.

DRAINAGE AREA.--5,800 mi².

PERIOD OF RECORD.--May 1965 to current year. Daily gage heights are published beginning October 1994.

GAGE.--Water-stage recorder. Datum of gage is 485.97 ft above sea level. Gage was used as auxiliary water-stage recorder for station 02400500, Coosa River at Gadsden, AL for the period May 1965 to September 1996.

REMARKS.--No estimated daily gage heights. Records good. Since December 1949, flow regulated by Allatoona Reservoir (station 02393500) 158.8 mi upstream, and since April 1961, by Weiss Reservoir (station 02399499) 51.3 mi upstream.

EXTREMES FOR PERIOD SINCE OCTOBER 1994.--Maximum gage height, 25.75 ft, Oct. 5, 1995; minimum gage height, 13.37 ft, Feb. 8, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.40 ft, July 14; minimum gage height, 18.22 ft, Dec. 14.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.56	20.95	18.76	18.93	20.89	18.78	18.96	21.90	22.05	21.67	21.53	---
2	20.56	20.71	18.75	19.01	21.78	18.90	18.74	21.98	21.99	21.85	21.53	---
3	20.59	20.31	18.70	18.97	22.15	19.39	18.64	22.06	22.04	21.91	21.32	---
4	20.59	19.85	18.68	18.85	22.18	19.56	18.84	22.06	22.10	21.82	21.20	---
5	20.64	19.52	18.65	18.74	21.79	19.37	18.81	22.04	21.98	21.91	21.19	---
6	20.87	19.03	18.77	18.78	20.62	19.38	18.92	22.71	21.93	21.69	21.19	---
7	21.16	19.06	18.80	18.75	19.51	19.24	19.38	22.86	21.99	21.65	21.18	---
8	21.32	18.96	18.98	18.73	19.15	18.87	19.50	22.90	21.82	21.78	21.14	---
9	21.32	18.93	18.83	18.81	18.99	18.94	19.28	22.82	21.74	21.87	21.15	---
10	21.38	18.98	18.83	18.97	20.28	19.24	18.97	22.69	21.66	21.96	21.16	---
11	21.49	18.88	18.82	19.03	20.59	18.98	18.85	22.50	21.65	22.11	---	---
12	21.39	18.84	18.67	19.01	19.50	18.85	18.92	22.23	21.69	22.78	---	---
13	21.41	18.78	18.49	18.84	19.13	18.45	18.92	21.91	21.73	23.23	---	---
14	21.45	18.88	18.40	18.87	19.17	18.89	19.17	21.68	21.78	23.32	---	---
15	21.47	18.77	18.57	18.69	19.03	19.21	19.56	21.63	21.83	22.68	---	---
16	21.50	18.78	18.64	19.08	19.08	19.22	19.96	21.70	21.87	21.96	---	---
17	21.54	18.82	18.82	19.02	19.06	19.16	20.23	21.85	22.00	21.71	---	---
18	21.57	18.92	18.74	19.29	19.70	18.95	20.17	21.93	21.89	21.51	---	---
19	21.60	18.80	18.79	18.94	20.65	18.61	20.35	21.97	21.93	21.66	---	---
20	21.57	18.83	18.78	18.63	20.40	18.84	20.48	21.86	21.95	21.70	---	---
21	21.46	18.77	18.87	18.79	19.77	18.94	20.59	21.84	21.89	21.68	---	---
22	21.35	18.81	18.80	18.74	19.09	18.91	20.71	21.88	21.92	21.68	---	20.11
23	21.35	18.56	18.88	20.08	19.09	19.31	20.78	21.98	21.95	21.66	---	20.29
24	21.30	18.52	19.68	22.13	19.03	18.98	20.90	22.02	21.65	21.72	---	20.45
25	21.37	18.53	20.35	22.75	18.90	18.90	21.17	22.02	21.98	21.81	---	20.48
26	21.39	18.72	19.90	22.27	19.05	18.83	21.34	21.98	21.87	21.84	---	20.43
27	21.39	18.74	19.57	21.65	19.09	18.90	21.58	21.95	21.90	21.77	---	20.20
28	21.29	18.65	19.60	20.30	19.00	18.94	21.85	21.93	22.11	21.74	---	20.14
29	21.15	18.76	19.59	19.49	---	18.92	21.82	22.06	22.76	21.72	---	20.33
30	21.06	18.78	19.14	19.33	---	18.97	21.82	22.07	22.39	21.75	---	20.56
31	21.00	---	19.08	19.95	---	18.94	---	21.99	---	21.57	---	---
MEAN	21.23	19.05	18.97	19.47	19.88	19.01	19.97	22.10	21.93	21.93	---	---
MAX	21.60	20.95	20.35	22.75	22.18	19.56	21.85	22.90	22.76	23.32	---	---
MIN	20.56	18.52	18.40	18.63	18.90	18.45	18.64	21.63	21.65	21.51	---	---
CAL YR 1998	MEAN 20.85		MAX 24.26		MIN 18.40							

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02400500 COOSA RIVER AT GADSDEN, AL

LOCATION.--Lat 34°00'37", long 85°59'52", in NW¹/₄ 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 172.9.

DRAINAGE AREA.--5,805 mi².

PERIOD OF RECORD.--October 1926 to September 1976. October 1971 to current year (flood hydrograph and gage height record 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 sea level. 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. Since December 1949, flow regulated by Allatoona Reservoir (station 02393500) 158.8 mi upstream and since April 1961, by Weiss Reservoir (stations 02399499) 53.3 mi upstream.

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, 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, 22.94 ft, July 14; minimum, 17.98 ft, Jan. 20.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.41	20.83	18.62	18.78	20.49	18.54	18.80	21.76	21.89	21.48	21.38	20.40
2	20.41	20.57	18.61	18.82	21.27	18.60	18.61	21.85	21.84	21.67	21.38	20.38
3	20.45	20.17	18.55	18.79	21.63	19.06	18.50	21.92	21.88	21.75	21.15	20.35
4	20.42	19.71	18.52	18.65	21.67	19.26	18.69	21.92	21.95	21.66	21.02	20.37
5	20.48	19.36	18.52	18.54	21.34	19.05	18.60	21.90	21.84	21.75	21.02	20.41
6	20.72	18.88	18.65	18.59	20.23	19.06	18.74	22.49	21.80	21.53	21.03	20.44
7	21.01	18.92	18.67	18.58	19.23	18.96	19.18	22.53	21.83	21.46	21.04	20.38
8	21.18	18.82	18.82	18.57	18.93	18.60	19.28	22.52	21.66	21.58	20.98	20.30
9	21.18	18.79	18.68	18.69	18.78	18.66	19.06	22.44	21.56	21.67	20.99	20.29
10	21.24	18.82	18.68	18.84	19.91	18.98	18.80	22.33	21.50	21.80	21.00	20.18
11	21.36	18.73	18.67	18.86	20.20	18.76	18.69	22.20	21.50	21.96	20.99	20.03
12	21.26	18.70	18.56	18.82	19.21	18.66	18.77	22.03	21.56	22.46	21.02	20.00
13	21.28	18.63	18.37	18.66	18.95	18.26	18.76	21.70	21.61	22.77	20.96	20.00
14	21.32	18.74	18.26	18.70	18.96	18.72	19.01	21.47	21.62	22.87	20.89	19.92
15	21.34	18.62	18.42	18.49	18.81	18.97	19.38	21.46	21.69	22.32	20.87	19.89
16	21.37	18.64	18.47	18.81	18.88	19.00	19.78	21.57	21.72	21.71	20.82	19.87
17	21.41	18.67	18.67	18.69	18.88	18.88	20.06	21.72	21.85	21.49	20.65	19.85
18	21.45	18.76	18.58	18.97	19.38	18.70	20.01	21.76	21.72	21.31	20.54	19.87
19	21.47	18.64	18.67	18.68	20.24	18.36	20.20	21.78	21.79	21.48	20.52	19.88
20	21.43	18.66	18.67	18.39	20.01	18.69	20.33	21.65	21.81	21.52	20.46	19.87
21	21.31	18.63	18.73	18.55	19.46	18.81	20.44	21.67	21.74	21.48	20.43	19.91
22	21.21	18.68	18.65	18.51	18.85	18.72	20.55	21.72	21.77	21.48	20.40	19.95
23	21.21	18.42	18.72	19.75	18.86	19.13	20.61	21.85	21.79	21.46	20.39	20.14
24	21.17	18.37	19.35	21.61	18.82	18.82	20.75	21.88	21.50	21.57	20.41	20.30
25	21.24	18.37	19.86	22.25	18.68	18.73	21.04	21.87	21.82	21.67	20.40	20.32
26	21.26	18.59	19.53	21.77	18.83	18.67	21.20	21.83	21.71	21.63	20.41	20.27
27	21.26	18.61	19.27	21.20	18.93	18.77	21.44	21.80	21.77	21.56	20.40	20.04
28	21.15	18.52	19.29	19.94	18.85	18.80	21.68	21.78	21.85	21.55	20.41	19.98
29	21.01	18.63	19.32	19.15	---	18.78	21.65	21.93	22.44	21.51	20.46	20.17
30	20.90	18.64	18.90	19.04	---	18.83	21.67	21.94	22.14	21.56	20.46	20.41
31	20.86	---	18.85	19.62	---	18.79	---	21.86	---	21.40	20.42	---
MEAN	21.09	18.90	18.78	19.20	19.58	18.79	19.81	21.91	21.77	21.71	20.75	20.14
MAX	21.47	20.83	19.86	22.25	21.67	19.26	21.68	22.53	22.44	22.87	21.38	20.44
MIN	20.41	18.37	18.26	18.39	18.68	18.26	18.50	21.46	21.50	21.31	20.39	19.85
CAL YR 1998	MEAN 20.60		MAX 23.30		MIN 18.26							
WTR YR 1999	MEAN 20.21		MAX 22.87		MIN 18.26							

MOBILE RIVER BASIN

02401000 BIG WILLS CREEK NEAR REECE CITY, AL

LOCATION.--Lat 34°05'53", long 86°02'17", in SE¹/₄ sec. 6, T. 11 S., R. 6 E., Etowah County, Hydrologic Unit 03150105, near right bank on upstream side of bridge on county road, 1 mi upstream from Fisher Creek, 1.8 mi northwest of Reece City, and at mile 25.0.

DRAINAGE AREA.--182 mi².

PERIOD OF RECORD.--October 1943 to September 1970, October 1970 to September 1975 (flood hydrograph only), October 1986 to current year. Prior to October 1986 published as Big Wills Creek "near Crudup".

REVISED RECORD.--WSP 1384: Drainage area. WDR AL-87-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 570 ft, by barometer. Prior to July 10, 1957, nonrecording gage at site 100 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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1884 reached a stage of 16.3 ft, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	55	55	227	914	635	302	189	133	565	160	73
2	61	55	55	213	777	470	283	168	129	667	149	72
3	60	57	56	287	593	671	259	157	274	842	141	72
4	59	58	55	263	495	723	242	150	287	489	135	72
5	60	58	54	213	423	541	231	148	269	398	128	70
6	59	57	54	190	377	549	359	1120	521	342	123	67
7	60	57	55	178	352	542	485	1880	273	314	119	66
8	63	58	66	171	338	451	373	755	215	309	116	69
9	62	60	75	198	313	439	330	505	187	264	112	67
10	62	63	90	280	1620	421	306	425	170	238	109	68
11	60	78	74	231	1300	383	278	376	158	270	107	67
12	58	82	71	203	645	356	253	333	155	1300	104	66
13	57	69	73	188	520	344	234	316	154	1570	102	63
14	57	67	78	193	441	511	222	376	162	639	111	61
15	57	92	77	875	393	515	242	307	376	476	98	61
16	56	111	70	585	362	429	260	265	303	398	107	59
17	56	102	65	383	572	388	223	242	270	344	102	58
18	56	111	63	347	1570	362	202	237	187	302	98	59
19	55	80	64	340	1220	337	190	256	162	275	89	59
20	54	73	66	292	798	318	197	232	144	265	94	58
21	55	70	69	264	605	390	184	204	132	246	87	60
22	55	76	75	259	506	441	175	193	125	482	84	61
23	55	70	101	1230	450	361	167	188	121	334	82	59
24	55	66	724	3230	412	335	159	180	129	272	82	58
25	55	65	737	1670	377	325	154	170	167	337	94	57
26	56	63	331	705	349	302	150	163	268	295	105	57
27	53	61	244	551	331	278	192	159	374	238	87	57
28	54	57	308	464	728	261	240	152	1130	211	82	56
29	55	57	592	407	---	260	252	143	2300	206	79	59
30	54	56	371	411	---	257	194	135	944	198	76	60
31	55	---	275	582	---	258	---	134	---	183	74	---
TOTAL	1776	2084	5143	15630	17781	12853	7338	10258	10219	13269	3236	1891
MEAN	57.3	69.5	166	504	635	415	245	331	341	428	104	63.0
MAX	63	111	737	3230	1620	723	485	1880	2300	1570	160	73
MIN	53	55	54	171	313	257	150	134	121	183	74	56
CFSM	.31	.38	.91	2.77	3.49	2.28	1.34	1.82	1.87	2.35	.57	.35
IN.	.36	.43	1.05	3.19	3.63	2.63	1.50	2.10	2.09	2.71	.66	.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1999, BY WATER YEAR (WY)

	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
MEAN	114	189	289	521	644	647	478	291	185	164	101	105
MAX	557	1222	1022	1487	1783	1504	1258	746	637	485	192	614
(WY)	1996	1949	1968	1947	1990	1964	1964	1997	1997	1989	1950	1950
MIN	30.1	33.5	43.7	38.5	173	128	151	86.5	44.6	48.2	48.9	35.7
(WY)	1955	1957	1966	1956	1988	1988	1995	1988	1988	1988	1954	1955

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1944 - 1999

ANNUAL TOTAL	116079	101478	
ANNUAL MEAN	318	278	309
HIGHEST ANNUAL MEAN			501
LOWEST ANNUAL MEAN			112
HIGHEST DAILY MEAN	3470	Jan 8	12600
LOWEST DAILY MEAN	53	Oct 27	22
ANNUAL SEVEN-DAY MINIMUM	54	Oct 27	23
INSTANTANEOUS PEAK FLOW			15800
INSTANTANEOUS PEAK STAGE			15.07
ANNUAL RUNOFF (CFSM)	1.75	1.53	1.70
ANNUAL RUNOFF (INCHES)	23.73	20.74	23.07
10 PERCENT EXCEEDS	631	568	630
50 PERCENT EXCEEDS	138	188	159
90 PERCENT EXCEEDS	58	57	54

MOBILE RIVER BASIN

02401390 BIG CANOE CREEK AT ASHVILLE, AL

LOCATION.--Lat 33°50'23", long 86°15'46", in SW¹/₄SE¹/₄ 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 sea level.

REMARKS.--Estimated daily discharges: June 15, 16, 21, 22, June 25 to July 4. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	14	15	110	2180	380	777	75	51	e300	35	15
2	14	14	15	167	959	274	445	67	50	e400	33	15
3	13	15	15	730	608	915	337	62	125	e550	32	15
4	13	14	15	303	445	655	277	58	113	e300	30	15
5	13	14	15	192	330	426	241	58	130	244	28	15
6	14	14	16	148	273	626	413	653	189	189	27	15
7	14	14	16	129	242	515	434	368	99	155	26	14
8	15	14	25	116	218	351	293	178	69	170	26	14
9	15	16	38	153	185	547	247	127	57	136	24	16
10	15	19	26	199	881	430	212	103	49	109	24	22
11	14	29	23	148	420	314	185	90	45	92	24	16
12	14	31	32	126	287	266	160	78	43	130	24	15
13	13	20	62	113	233	323	140	74	41	130	25	14
14	13	22	55	138	190	1940	130	70	41	92	24	15
15	13	38	35	561	168	970	240	64	e160	77	22	14
16	12	38	28	296	156	565	212	59	e200	69	20	13
17	12	26	24	212	406	437	137	55	132	65	20	13
18	13	21	21	206	1230	359	115	56	83	61	19	13
19	12	19	21	205	925	301	103	93	62	56	19	13
20	12	18	23	165	682	261	97	68	52	55	18	14
21	12	18	25	148	438	388	89	54	e39	98	18	14
22	12	17	27	151	327	302	81	49	e38	208	17	14
23	12	17	46	2640	272	238	77	47	39	84	17	14
24	12	17	1160	2480	238	215	73	45	42	55	17	14
25	14	17	593	578	207	252	70	45	e52	54	20	14
26	13	20	195	378	185	231	67	41	e85	50	23	15
27	13	17	127	290	178	191	115	40	e180	42	19	15
28	13	16	344	240	702	173	272	38	e400	38	17	15
29	13	15	445	207	---	161	113	35	e1300	36	17	16
30	13	15	214	590	---	150	85	34	e500	37	16	17
31	13	---	143	2120	---	420	---	35	---	39	16	---
TOTAL	410	579	3839	14239	13565	13576	6237	2919	4466	4121	697	444
MEAN	13.2	19.3	124	459	484	438	208	94.2	149	133	22.5	14.8
MAX	16	38	1160	2640	2180	1940	777	653	1300	550	35	22
MIN	12	14	15	110	156	150	67	34	38	36	16	13
CFSM	.09	.14	.88	3.26	3.44	3.11	1.47	.67	1.06	.94	.16	.10
IN.	.11	.15	1.01	3.76	3.58	3.58	1.65	.77	1.18	1.09	.18	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1999, BY WATER YEAR (WY)

MEAN	109	171	312	524	503	608	438	244	139	96.0	52.8	85.6
MAX	715	785	1042	1017	1219	1720	1568	763	1222	414	171	385
(WY)	1996	1993	1984	1973	1990	1980	1979	1973	1997	1994	1992	1979
MIN	13.2	16.7	23.0	43.3	140	151	49.4	46.7	22.0	20.1	18.4	14.8
(WY)	1999	1979	1966	1981	1968	1986	1986	1981	1988	1995	1977	1999

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1966 - 1999

ANNUAL TOTAL	107916	65092	272
ANNUAL MEAN	296	178	423
HIGHEST ANNUAL MEAN			84.8
LOWEST ANNUAL MEAN			1973
HIGHEST DAILY MEAN	7460	2640	10700
LOWEST DAILY MEAN	12	12	10
ANNUAL SEVEN-DAY MINIMUM	12	12	11
INSTANTANEOUS PEAK FLOW		4120	13600
INSTANTANEOUS PEAK STAGE		14.10	18.75
ANNUAL RUNOFF (CFSM)	2.10	1.26	1.93
ANNUAL RUNOFF (INCHES)	28.47	17.17	26.25
10 PERCENT EXCEEDS	664	432	577
50 PERCENT EXCEEDS	43	58	98
90 PERCENT EXCEEDS	14	14	22

e Estimated

MOBILE RIVER BASIN

02403395 CHOCCOLOCCO CREEK AT OXFORD, AL

LOCATION.--Lat 33°36'01", long 85°49'40", in NW¹/₄ sec. 32, T. 16 S., R. 8 E., Calhoun County, Hydrologic Unit 03150106, on left bank 75 ft downstream of bridge on Friendship Road, 0.2 mi downstream of Snow Creek, and 1 mi south of Oxford.

DRAINAGE AREA.--222 mi².

PERIOD OF RECORD.--May 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 588.84 ft above sea level (levels by Natural Resource Conservation Service).

REMARKS.--No estimated daily discharges. Water-discharge 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.

EXTREMES FOR PERIOD MAY 26, 1999 TO SEPTEMBER 30, 1999.--Maximum discharge, 2,480 ft³/s, July 11, gage height, 9.37 ft; minimum daily discharge, 38 ft³/s, Sept. 25, 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	131	644	122	57
2	---	---	---	---	---	---	---	---	130	510	114	58
3	---	---	---	---	---	---	---	---	130	767	106	55
4	---	---	---	---	---	---	---	---	136	546	103	53
5	---	---	---	---	---	---	---	---	475	397	99	54
6	---	---	---	---	---	---	---	---	203	314	95	54
7	---	---	---	---	---	---	---	---	158	294	89	52
8	---	---	---	---	---	---	---	---	138	316	94	52
9	---	---	---	---	---	---	---	---	128	252	97	66
10	---	---	---	---	---	---	---	---	120	213	91	62
11	---	---	---	---	---	---	---	---	125	378	88	55
12	---	---	---	---	---	---	---	---	135	961	86	52
13	---	---	---	---	---	---	---	---	119	483	82	53
14	---	---	---	---	---	---	---	---	135	370	77	52
15	---	---	---	---	---	---	---	---	131	298	76	48
16	---	---	---	---	---	---	---	---	203	256	75	47
17	---	---	---	---	---	---	---	---	180	231	71	43
18	---	---	---	---	---	---	---	---	144	213	71	40
19	---	---	---	---	---	---	---	---	122	197	68	41
20	---	---	---	---	---	---	---	---	110	187	66	45
21	---	---	---	---	---	---	---	---	105	182	62	49
22	---	---	---	---	---	---	---	---	100	180	61	47
23	---	---	---	---	---	---	---	---	162	163	83	44
24	---	---	---	---	---	---	---	---	213	175	98	41
25	---	---	---	---	---	---	---	---	209	165	101	38
26	---	---	---	---	---	---	---	151	252	169	83	38
27	---	---	---	---	---	---	---	145	578	155	74	42
28	---	---	---	---	---	---	---	139	1000	142	70	43
29	---	---	---	---	---	---	---	130	872	159	67	62
30	---	---	---	---	---	---	---	128	1110	141	66	56
31	---	---	---	---	---	---	---	141	---	131	61	---
TOTAL	---	---	---	---	---	---	---	---	7754	9589	2596	1499
MEAN	---	---	---	---	---	---	---	---	258	309	83.7	50.0
MAX	---	---	---	---	---	---	---	---	1110	961	122	66
MIN	---	---	---	---	---	---	---	---	100	131	61	38
CFSM	---	---	---	---	---	---	---	---	1.16	1.39	.38	.23
IN.	---	---	---	---	---	---	---	---	1.30	1.61	.44	.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	258	309	83.7	50.0
MAX	---	---	---	---	---	---	---	---	258	309	83.7	50.0
(WY)	---	---	---	---	---	---	---	---	1999	1999	1999	1999
MIN	---	---	---	---	---	---	---	---	258	309	83.7	50.0
(WY)	---	---	---	---	---	---	---	---	1999	1999	1999	1999

02404400 CHOCOLOCCO CREEK AT JACKSON SHOALS NEAR LINCOLN, AL

LOCATION.--Lat 33°32'54", long 86°05'49", in SE¹/₄SE¹/₄ 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 current year.

REVISED RECORD.--WSP 1906: 1961, 1962. WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 448.50 ft above sea level (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.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	239	173	205	427	2850	807	1310	468	330	1270	309	179
2	221	174	203	407	2250	715	1210	431	314	898	290	174
3	211	184	208	514	1680	1120	1040	408	317	1050	276	176
4	192	181	209	498	1330	1270	920	392	312	934	262	172
5	239	179	212	438	1080	1100	828	386	524	752	255	169
6	291	181	207	405	920	1180	828	521	536	610	250	173
7	256	175	207	388	827	1150	1010	688	380	572	243	172
8	275	185	212	372	757	972	865	804	340	738	252	164
9	251	216	213	432	692	1140	788	729	319	572	289	171
10	242	243	207	610	1140	1130	732	627	307	494	262	185
11	228	419	215	492	1280	1010	677	537	302	468	248	176
12	219	328	215	445	1070	912	622	477	321	1390	238	167
13	216	289	250	419	908	897	576	472	315	961	233	161
14	210	282	257	444	759	2400	551	495	304	710	225	159
15	203	367	252	999	687	1940	664	448	358	597	220	159
16	201	346	245	955	643	1480	608	413	323	534	217	156
17	197	332	234	751	653	1220	553	393	456	495	213	150
18	195	298	222	658	836	1040	511	388	361	465	208	147
19	195	270	219	586	856	921	488	471	312	446	210	144
20	196	255	222	526	873	839	474	460	284	463	206	148
21	193	241	223	488	824	1140	461	409	271	429	201	157
22	191	231	243	478	720	1100	441	380	264	436	193	158
23	187	226	277	2270	652	970	433	373	270	414	195	149
24	185	224	606	2710	611	900	423	393	444	389	231	145
25	187	220	720	1750	574	1060	644	370	504	390	240	144
26	185	218	585	1270	550	1070	516	357	430	353	238	136
27	184	214	453	1030	547	929	486	345	701	347	210	137
28	182	212	461	835	891	841	547	331	1480	325	201	146
29	178	208	589	689	---	781	601	319	1470	321	195	160
30	173	206	586	818	---	735	514	310	1470	355	192	175
31	177	---	493	2350	---	839	---	320	---	323	187	---
TOTAL	6499	7277	9650	25454	27460	33608	20321	13915	14319	18501	7189	4809
MEAN	210	243	311	821	981	1084	677	449	477	597	232	160
MAX	291	419	720	2710	2850	2400	1310	804	1480	1390	309	185
MIN	173	173	203	372	547	715	423	310	264	321	187	136
CFSM	.44	.50	.65	1.71	2.04	2.25	1.41	.93	.99	1.24	.48	.33
IN.	.50	.56	.75	1.97	2.12	2.60	1.57	1.08	1.11	1.43	.56	.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1999, BY WATER YEAR (WY)

	MEAN	339	439	617	1019	1601	1611	1071	669	514	443	369	299
MAX	1792	1572	2028	2273	4066	3625	2150	1576	1676	1258	1697	709	
(WY)	1996	1993	1962	1993	1961	1990	1964	1991	1997	1989	1967	1992	
MIN	140	175	222	223	308	350	225	179	143	138	156	160	
(WY)	1988	1988	1988	1986	1986	1988	1986	1986	1986	1986	1988	1999	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1961 - 1999
ANNUAL TOTAL	337484	189002	
ANNUAL MEAN	925	518	744
HIGHEST ANNUAL MEAN			1148
LOWEST ANNUAL MEAN			221
HIGHEST DAILY MEAN	8280	Feb 4	28300
LOWEST DAILY MEAN	173	Oct 30	105
ANNUAL SEVEN-DAY MINIMUM	177	Oct 29	108
INSTANTANEOUS PEAK FLOW			3670
INSTANTANEOUS PEAK STAGE			22.92
ANNUAL RUNOFF (CFSM)	1.92		39.98
ANNUAL RUNOFF (INCHES)	26.10		1.55
10 PERCENT EXCEEDS	2130	1040	1480
50 PERCENT EXCEEDS	457	388	414
90 PERCENT EXCEEDS	200	180	194

MOBILE RIVER BASIN

02405500 KELLY CREEK NEAR VINCENT, AL

LOCATION.--Lat 33°26'51", long 86°23'13", in SW¹/₄ sec. 24, T. 18 S., R. 2 E., Shelby County, Hydrologic Unit 03150106, on downstream side of left pier of bridge on U.S. Highway 231, 1.5 mi downstream from Little Creek, 4.2 mi north of Vincent, and 5 mi upstream from mouth.

DRAINAGE AREA.--193 mi².

PERIOD OF RECORD.--December 1951 to September 1970, June 1979 to September 1981 (discharge measurements only), October 1986 to current year.

REVISED RECORDS.--WSP 1383: Drainage area. WSP 1906: 1952, 1957.

GAGE.--Water-stage recorder. Datum of gage is 404.90 ft above sea level.

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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 13, 1979 reached a gage height of 27.39, from floodmarks, discharge 33,400 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	5.6	11	322	5080	596	1320	97	94	1960	49	8.9
2	9.2	5.8	11	473	2570	469	811	84	84	930	38	8.5
3	9.1	6.1	11	1340	1320	1070	616	73	66	714	32	8.7
4	9.6	5.6	11	744	969	930	496	66	55	497	30	8.6
5	14	5.6	11	511	728	685	425	66	84	381	27	8.5
6	11	5.6	11	413	588	877	389	388	216	310	24	8.3
7	10	5.6	11	375	510	812	399	404	127	256	23	8.0
8	11	7.0	12	342	438	618	352	244	91	279	21	7.7
9	11	10	28	422	380	1010	317	171	69	254	20	7.8
10	9.5	11	39	442	354	898	290	145	55	234	23	7.8
11	9.2	32	33	371	334	678	264	127	45	325	22	7.7
12	8.9	42	70	337	300	551	221	105	49	485	19	7.5
13	8.8	22	258	310	269	605	184	94	69	353	19	7.4
14	8.6	34	246	363	238	2860	170	130	63	277	18	7.3
15	8.4	139	141	626	216	1730	480	107	200	222	17	6.8
16	8.3	98	93	428	205	1010	409	84	167	178	17	6.0
17	8.0	59	69	344	228	766	284	71	196	398	16	6.0
18	7.7	39	53	313	521	609	234	63	126	433	15	6.5
19	7.9	28	47	286	443	500	198	89	86	334	15	6.8
20	7.6	22	49	248	405	429	177	96	67	284	14	6.9
21	7.1	18	61	223	345	492	156	73	54	330	14	7.2
22	7.1	16	87	226	302	422	139	67	45	256	14	7.1
23	6.1	14	137	2690	279	354	124	66	42	204	16	6.9
24	6.0	14	1050	2370	268	322	122	78	93	167	20	6.7
25	6.3	13	800	970	249	363	109	75	327	144	19	6.9
26	7.2	13	436	670	231	425	101	60	463	123	18	6.7
27	7.3	12	322	509	232	345	101	52	1110	109	15	6.7
28	7.1	12	586	430	792	316	147	45	2740	85	14	7.0
29	6.8	11	847	378	---	292	164	38	5460	69	13	11
30	6.1	11	520	1590	---	275	117	34	2470	67	12	9.4
31	5.7	---	389	4600	---	808	---	51	---	65	9.9	---
TOTAL	261.6	716.9	6450	23666	18794	22117	9316	3343	14813	10723	623.9	227.3
MEAN	8.44	23.9	208	763	671	713	311	108	494	346	20.1	7.58
MAX	14	139	1050	4600	5080	2860	1320	404	5460	1960	49	11
MIN	5.7	5.6	11	223	205	275	101	34	42	65	9.9	6.0
CFSM	.04	.12	1.08	3.96	3.48	3.70	1.61	.56	2.56	1.79	.10	.04
IN.	.05	.14	1.24	4.56	3.62	4.26	1.80	.64	2.86	2.07	.12	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1999, BY WATER YEAR (WY)

	MEAN	72.2	180	417	698	850	807	484	202	134	102	44.7	55.6
MAX	528	911	1814	1466	3422	1623	1301	650	1187	669	168	347	
(WY)	1995	1993	1962	1953	1961	1970	1964	1969	1997	1989	1967	1994	
MIN	1.63	4.50	22.0	63.8	173	218	53.9	33.7	5.68	5.67	2.30	2.58	
(WY)	1988	1955	1966	1956	1968	1988	1967	1960	1988	1960	1988	1954	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1952 - 1999

ANNUAL TOTAL	135102.0	111051.7	
ANNUAL MEAN	370	304	335
HIGHEST ANNUAL MEAN			548
LOWEST ANNUAL MEAN			112
HIGHEST DAILY MEAN	6310	5460	29100
LOWEST DAILY MEAN	5.6	5.6	1.1
ANNUAL SEVEN-DAY MINIMUM	5.7	5.7	1.2
INSTANTANEOUS PEAK FLOW		5830	30900
INSTANTANEOUS PEAK STAGE		16.21	27.08
ANNUAL RUNOFF (CFSM)	1.92	1.58	1.74
ANNUAL RUNOFF (INCHES)	26.04	21.40	23.58
10 PERCENT EXCEEDS	990	697	799
50 PERCENT EXCEEDS	61	97	97
90 PERCENT EXCEEDS	9.8	7.6	6.2

MOBILE RIVER BASIN

02406500 TALLADEGA CREEK AT ALPINE, AL

LOCATION.--Lat 33°21'34", long 86°14'03", in SW¹/₄ sec. 21, T. 19 S., R. 4 E., Talladega County, Hydrologic Unit 03150106, at bridge on County Road 207, 1 mi north of Alpine, 9 mi southwest of Talladega, and 11.0 mi upstream from mouth.

DRAINAGE AREA.--150 mi².

PERIOD OF RECORD.--August 1900 to December 1904, January 1939 to September 1951, October 1951 to September 1970 (peak discharge only), October 1987 to current year. Monthly discharge only for period October to December 1938, published in WSP 1304. Published as "at Nottingham" 1900-04.

REVISED RECORDS.--WDR AL-88-1: Drainage area. WDR AL-95-1: 1990 (M).

GAGE.--Water-stage recorder. Datum of gage is 431.24 ft above sea level.

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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	60	69	100	865	212	409	138	98	341	89	61
2	80	61	69	102	561	178	362	132	96	217	85	58
3	71	61	69	168	390	218	280	128	95	197	82	58
4	67	62	68	167	302	248	240	126	94	163	81	56
5	68	63	67	130	253	203	220	125	100	134	77	57
6	67	62	68	115	223	236	211	152	108	121	76	56
7	68	61	67	110	206	294	309	241	94	113	74	58
8	79	64	68	104	194	231	247	254	88	144	73	55
9	86	72	70	179	181	247	222	211	86	133	78	58
10	77	79	77	305	178	285	208	171	85	112	81	63
11	71	115	77	179	181	238	193	162	94	111	80	69
12	68	99	78	143	168	213	181	140	89	285	79	63
13	67	83	87	129	160	204	168	132	89	195	74	57
14	66	85	95	122	153	702	165	128	86	151	73	58
15	66	114	92	263	148	483	166	122	85	131	69	56
16	64	112	83	216	146	338	164	114	87	121	68	53
17	62	119	78	163	147	280	153	111	95	159	65	55
18	63	112	74	146	175	248	148	128	98	143	67	53
19	62	91	73	136	180	226	144	195	87	143	64	52
20	63	84	73	125	163	210	143	160	81	142	64	52
21	63	81	75	120	154	271	140	130	78	118	61	53
22	63	78	78	120	147	269	137	119	76	114	62	52
23	63	75	80	899	142	230	133	113	77	107	61	52
24	61	75	150	662	140	215	132	112	91	104	63	52
25	61	73	223	321	136	217	137	114	185	103	64	52
26	60	72	139	232	133	222	144	106	121	110	77	50
27	61	71	114	196	134	203	137	103	170	101	77	50
28	61	70	113	173	197	193	185	100	312	95	68	52
29	61	69	142	158	---	186	161	96	358	92	62	55
30	60	69	131	251	---	181	142	93	228	90	63	62
31	60	---	111	1080	---	192	---	96	---	101	59	---
TOTAL	2083	2392	2858	7314	6157	7873	5781	4252	3531	4391	2216	1678
MEAN	67.2	79.7	92.2	236	220	254	193	137	118	142	71.5	55.9
MAX	94	119	223	1080	865	702	409	254	358	341	89	69
MIN	60	60	67	100	133	178	132	93	76	90	59	50
CFSM	.45	.53	.61	1.57	1.47	1.69	1.28	.91	.78	.94	.48	.37
IN.	.52	.59	.71	1.81	1.53	1.95	1.43	1.05	.88	1.09	.55	.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1900 - 1999, BY WATER YEAR (WY)

MEAN	102	155	198	323	465	537	381	228	176	166	126	113
MAX	478	753	488	902	1023	1001	765	429	451	493	266	579
(WY)	1996	1949	1993	1946	1903	1990	1944	1991	1997	1940	1904	1900
MIN	47.9	67.4	69.5	117	139	145	101	54.4	57.0	78.1	46.8	52.5
(WY)	1905	1988	1904	1941	1941	1988	1904	1904	1988	1904	1988	1904

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1900 - 1999

ANNUAL TOTAL	100708	50526	
ANNUAL MEAN	276	138	246
HIGHEST ANNUAL MEAN			405
LOWEST ANNUAL MEAN			114
HIGHEST DAILY MEAN	4170	1080	18400
LOWEST DAILY MEAN	60	50	20
ANNUAL SEVEN-DAY MINIMUM	60	51	34
INSTANTANEOUS PEAK FLOW		1470	* 39000
INSTANTANEOUS PEAK STAGE		9.10	16.60
ANNUAL RUNOFF (CFSM)	1.84	.92	1.64
ANNUAL RUNOFF (INCHES)	24.98	12.53	22.26
10 PERCENT EXCEEDS	523	237	460
50 PERCENT EXCEEDS	132	110	145
90 PERCENT EXCEEDS	66	61	69

* From rating curve extended above 14,000 ft³/s on basis of slope-area measurement.

MOBILE RIVER BASIN
MOBILE RIVER MAIN STEM

02407000 COOSA RIVER AT CHILDERSBURG, AL

LOCATION.--Lat 33°17'30", long 86°21'50", in SE¹/₄NE¹/₄ 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 Tallasseehatchee 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 September 1996 (flood hydrograph only). Daily gage height records are published beginning October 1994. 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 sea level (levels by Alabama Power Co.). Prior to Oct. 1, 1915, at datum 0.10 ft lower. Sept. 29, 1967 to Sept. 30, 1994, auxiliary water-stage recorder 3.5 mi downstream.

REMARKS.--No estimated gage heights. Records good. 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 gage height, 17.15 ft, Jan. 26; minimum gage height, not determined.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.77	13.81	13.81	13.75	16.84	14.52	14.41	13.64	13.61	14.91	13.61	13.45
2	13.73	13.90	13.75	14.20	16.56	14.25	13.94	13.68	13.60	14.19	13.83	13.46
3	13.75	13.80	13.78	14.30	16.23	14.43	13.79	13.67	13.61	15.09	13.83	13.58
4	13.76	13.69	13.97	14.38	15.92	14.77	13.86	13.70	13.60	13.96	13.81	13.58
5	13.92	13.75	13.82	14.24	15.67	14.70	14.16	13.78	13.64	14.01	13.68	13.53
6	13.89	13.83	13.90	14.07	15.49	14.84	13.84	14.28	13.86	13.96	13.60	13.61
7	13.86	13.85	13.88	13.85	14.71	14.83	14.18	14.78	13.84	14.10	13.55	13.62
8	13.82	13.84	13.69	13.97	14.41	14.56	14.27	14.92	13.98	13.86	13.51	13.68
9	13.78	13.87	13.82	13.88	14.37	14.59	14.35	14.87	13.92	13.74	13.52	13.60
10	13.79	13.95	13.78	13.99	14.80	14.31	14.03	14.96	13.72	13.68	13.64	13.60
11	13.77	13.95	13.70	14.24	15.34	14.30	13.86	14.18	13.54	14.04	13.54	13.51
12	13.75	13.80	13.53	14.27	14.40	14.27	13.73	13.92	13.51	14.76	13.55	13.45
13	13.73	13.79	13.72	14.17	14.26	13.95	13.65	14.06	13.43	15.14	13.70	13.47
14	13.67	13.88	13.71	14.20	14.13	14.86	13.62	13.76	13.51	15.10	13.64	13.56
15	13.64	13.89	13.79	14.01	14.32	14.82	13.72	13.57	14.03	14.89	13.74	13.52
16	13.52	14.07	13.78	14.37	14.04	14.68	13.85	---	13.90	14.35	13.76	13.49
17	13.11	14.05	13.81	14.25	14.16	14.52	13.97	---	14.01	14.24	13.60	13.45
18	---	14.02	13.74	14.30	14.53	14.38	13.92	---	13.87	14.01	13.54	13.44
19	---	14.03	13.68	14.32	14.76	14.30	13.83	12.97	13.74	13.84	13.57	13.48
20	---	13.88	13.66	14.21	14.84	13.75	13.82	13.66	13.77	13.92	13.66	13.46
21	12.87	13.82	13.84	14.15	14.66	13.92	13.79	13.68	13.71	13.91	13.78	13.52
22	13.36	13.64	13.92	14.00	14.38	14.30	13.79	13.55	13.74	13.95	13.81	13.57
23	13.59	13.78	13.83	15.07	14.27	13.93	13.84	13.54	13.95	14.01	13.97	13.60
24	13.65	13.75	14.88	16.36	14.14	14.27	13.93	13.64	14.00	13.86	13.94	13.54
25	13.57	13.74	15.35	16.55	14.22	14.12	13.95	13.67	13.70	13.80	13.68	13.48
26	13.72	13.58	14.77	16.46	14.21	14.19	13.82	13.79	14.30	13.94	13.81	13.49
27	13.69	13.58	14.59	15.59	13.99	13.99	13.75	13.81	14.19	13.85	13.76	13.51
28	13.82	13.71	14.64	15.22	14.01	14.04	13.90	13.93	15.83	13.86	13.69	13.52
29	13.95	13.69	14.54	14.72	---	14.03	14.00	13.86	16.07	13.73	13.66	13.61
30	13.99	13.72	14.41	15.00	---	13.85	13.73	13.58	15.55	13.81	13.61	13.73
31	13.81	---	14.18	16.05	---	14.32	---	13.60	---	13.64	13.55	---
MEAN	---	13.82	14.01	14.59	14.77	14.34	13.91	---	13.99	14.13	13.68	13.54
MAX	---	14.07	15.35	16.55	16.84	14.86	14.41	---	16.07	15.14	13.97	13.73
MIN	---	13.58	13.53	13.75	13.99	13.75	13.62	---	13.43	13.64	13.51	13.44

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02407526 COOSA RIVER AT GASTON STEAMPLANT NEAR WILSONVILLE, AL

LOCATION.--Lat 33°14'28", long 86°27'30", in SW 1/4 sec. 32, T. 20 S., R. 2 E., Shelby County, Hydrologic Unit 03150107, on right bank near tailings pond of Gaston Steamplant, 1.6 mi downstream from Yellowleaf Creek, 1 mi east of Wilsonville, and at mile 75.3.

DRAINAGE AREA.--8,588 mi².

PERIOD OF RECORD.--October 1991 to current year. Daily gage height records are published beginning October 1993.

GAGE.--Water-stage recorder. Datum of gage is 382.41 ft above sea level.

REMARKS.--No estimated daily gage heights. Records good. Since December 1949, flow regulated by Allatoona Reservoir on Etowah River, since April 1961 by Weiss Reservoir on Coosa River, and since July 1964 by Logan Martin Reservoir (see Reservoirs in Mobile River Basin).

EXTREMES FOR PERIOD SINCE OCTOBER 1993.--Maximum gage height, 17.16 ft, Feb. 2, 1996; minimum gage height, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.06 ft, Feb. 1; minimum gage height, not determined.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.61	13.66	13.56	13.46	14.80	13.66	13.80	13.41	13.35	---	---	13.26
2	13.59	13.64	13.46	13.64	14.59	13.46	13.56	13.48	13.39	---	---	13.26
3	13.60	13.54	13.49	13.86	14.43	13.52	13.51	13.44	13.41	---	---	13.37
4	13.62	13.43	13.63	13.80	14.35	13.77	13.59	13.48	13.39	---	---	13.37
5	13.76	13.51	13.62	13.74	14.25	13.78	13.60	13.54	13.43	---	---	13.32
6	13.78	13.60	13.77	13.59	14.09	13.91	13.58	13.48	13.70	---	---	13.41
7	13.72	13.69	13.75	13.50	13.67	13.90	13.68	13.54	13.60	---	---	13.42
8	13.68	13.71	13.39	13.58	13.77	13.73	13.73	13.72	13.66	---	---	13.46
9	13.65	13.67	13.53	13.72	13.83	13.71	13.79	13.63	13.62	---	---	13.41
10	13.64	13.69	13.48	13.80	13.90	13.60	13.65	13.78	13.50	---	---	13.40
11	13.63	13.72	13.40	13.86	13.98	13.63	13.58	13.46	13.37	---	13.25	13.30
12	13.61	13.62	13.40	13.83	13.54	13.58	13.48	13.46	13.34	---	13.20	13.24
13	13.59	13.52	13.50	13.75	13.71	13.46	13.46	13.51	13.26	---	13.30	13.24
14	13.55	13.69	13.47	13.66	13.62	13.92	13.41	13.32	13.30	---	13.30	13.31
15	13.50	13.59	13.49	13.40	13.67	13.95	13.48	13.20	13.74	---	13.40	13.30
16	13.39	13.82	13.46	13.50	13.53	13.83	13.61	---	13.65	---	13.43	13.27
17	12.99	13.79	13.52	13.54	13.50	13.63	13.76	---	13.67	---	13.32	13.24
18	---	13.74	13.47	13.62	13.55	13.60	13.73	---	13.59	---	13.24	13.20
19	---	13.63	13.51	13.63	13.58	13.66	13.58	---	13.56	---	13.34	13.20
20	---	13.54	13.53	13.61	13.67	13.50	13.56	13.14	13.60	---	13.46	13.20
21	12.60	13.57	13.58	13.55	13.74	13.57	13.57	13.31	---	---	13.59	13.23
22	13.19	13.46	13.57	13.45	13.68	13.75	13.57	13.34	---	---	13.61	13.32
23	13.39	13.50	13.49	14.01	13.63	13.51	13.58	13.34	---	---	13.73	13.34
24	13.50	13.50	13.86	14.65	13.52	13.66	13.70	13.42	---	---	13.72	13.26
25	13.42	13.46	14.10	14.59	13.59	13.69	13.77	13.44	---	---	13.46	13.19
26	13.54	13.45	13.83	14.60	13.59	13.68	13.64	13.54	---	---	13.59	13.21
27	13.49	13.40	13.85	14.23	13.61	13.79	13.57	13.58	---	---	13.57	13.17
28	13.62	13.52	13.84	13.85	13.52	13.84	13.48	13.73	---	---	13.50	13.18
29	13.76	13.55	13.79	13.56	---	13.70	13.54	13.67	---	---	13.47	13.30
30	13.78	13.51	13.72	13.95	---	13.57	13.44	13.41	---	---	13.42	13.42
31	13.64	---	13.55	14.42	---	13.85	---	13.40	---	---	13.37	---
MEAN	---	13.59	13.60	13.80	13.82	13.69	13.60	---	---	---	---	13.29
MAX	---	13.82	14.10	14.65	14.80	13.95	13.80	---	---	---	---	13.46
MIN	---	13.40	13.39	13.40	13.50	13.46	13.41	---	---	---	---	13.17

MOBILE RIVER BASIN

02408540 HATCHET CREEK BELOW ROCKFORD, AL

LOCATION.--Lat 32°55'00", long 86°16'13", in SE¹/₄SE¹/₄ 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 road, 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 sea level, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	50	76	152	2370	309	1540	205	165	1310	189	78
2	119	50	75	168	1250	248	774	188	140	594	172	74
3	101	50	76	403	811	335	569	169	127	828	156	74
4	93	51	74	312	705	380	471	167	128	468	147	75
5	90	50	75	223	571	291	418	162	178	325	144	71
6	88	51	78	187	472	457	387	309	166	258	133	67
7	88	52	78	176	426	542	397	405	124	536	125	63
8	102	58	79	176	394	386	385	363	107	1060	121	60
9	100	73	90	189	349	613	353	245	97	463	186	60
10	97	80	103	362	358	622	326	207	90	325	151	81
11	95	162	97	253	326	449	298	204	89	286	151	70
12	89	126	93	205	299	379	270	186	108	1450	137	63
13	85	93	133	183	285	386	252	187	153	569	127	58
14	82	96	150	188	265	2160	249	248	151	397	115	54
15	80	184	124	472	252	1060	275	202	895	311	100	49
16	77	193	105	368	247	694	254	175	437	349	93	44
17	75	170	99	272	248	537	225	166	326	386	90	40
18	71	136	94	232	272	455	213	158	218	295	87	38
19	65	106	95	207	289	405	210	173	165	293	81	42
20	60	95	105	186	257	365	208	175	137	336	80	48
21	60	89	106	178	233	508	200	152	121	493	96	50
22	57	86	102	198	225	455	192	138	112	282	87	50
23	54	83	113	2110	218	379	183	138	108	256	78	46
24	53	83	323	1290	217	349	182	242	398	269	168	43
25	54	81	438	613	214	469	196	186	395	1170	205	42
26	54	81	250	438	215	551	196	155	397	497	192	40
27	55	79	188	354	215	419	489	155	1340	329	134	40
28	53	77	188	305	307	374	284	133	1480	262	111	46
29	53	77	238	275	---	346	258	147	1210	247	96	73
30	52	76	210	1860	---	332	241	201	1140	249	91	117
31	51	---	172	5210	---	476	---	152	---	208	85	---
TOTAL	2418	2738	4227	17745	12290	15731	10495	6093	10702	15101	3928	1756
MEAN	78.0	91.3	136	572	439	507	350	197	357	487	127	58.5
MAX	165	193	438	5210	2370	2160	1540	405	1480	1450	205	117
MIN	51	50	74	152	214	248	182	133	89	208	78	38
CFSM	.30	.35	.52	2.18	1.67	1.93	1.33	.75	1.36	1.85	.48	.22
IN.	.34	.39	.60	2.51	1.74	2.23	1.48	.86	1.51	2.14	.56	.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1999, BY WATER YEAR (WY)

MEAN	165	272	465	581	874	825	654	340	255	240	173	156
MAX	1026	1025	1677	1208	2074	2007	1796	659	759	774	684	883
(WY)	1996	1993	1984	1990	1990	1990	1983	1991	1989	1989	1984	1988
MIN	32.2	53.2	101	117	201	216	124	129	50.6	50.3	26.8	38.7
(WY)	1988	1982	1991	1981	1986	1988	1986	1986	1988	1986	1988	1990

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1981 - 1999

ANNUAL TOTAL	173082	103224	414
ANNUAL MEAN	474	283	657
HIGHEST ANNUAL MEAN			126
LOWEST ANNUAL MEAN			19500
HIGHEST DAILY MEAN	11800	5210	Oct 5 1995
LOWEST DAILY MEAN	39	38	Sep 2 1988
ANNUAL SEVEN-DAY MINIMUM	42	44	Sep 22
INSTANTANEOUS PEAK FLOW		6760	Jan 31
INSTANTANEOUS PEAK STAGE		13.11	Jan 31
ANNUAL RUNOFF (CFSM)	1.80	1.08	27.90
ANNUAL RUNOFF (INCHES)	24.48	14.60	1.57
10 PERCENT EXCEEDS	906	495	21.39
50 PERCENT EXCEEDS	215	183	829
90 PERCENT EXCEEDS	59	60	216
			62

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02411000 COOSA RIVER AT JORDAN DAM NEAR WETUMPKA, AL

LOCATION.--Lat 32°36'50", long 86°15'18", in SE¹/₄NW¹/₄ 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. WRD AL-92-1: 1991.

GAGE.--Nonrecording gage since April 1975. Datum of gage is 141.6 ft above sea level (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 Aug. 14, 1980, 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 and Aug. 15, 1980 to current year 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5620	2360	6530	8170	58100	23200	24900	5320	6460	37400	3650	3180
2	2330	7060	6860	13900	50600	20700	14700	5300	5030	12300	8790	2800
3	2300	7300	7080	15500	44900	24300	9560	5440	5600	29200	6440	3190
4	2300	5800	7150	16900	38700	25200	9030	5650	6590	11200	7690	5350
5	4000	5340	2340	14100	38500	24400	16900	6710	5190	11800	5790	2790
6	4030	4740	2330	14400	35000	23500	7420	29500	4910	10400	4420	3870
7	3370	2950	2310	9660	29100	29800	16000	27000	6010	13900	3320	3310
8	3580	2410	7420	19200	15800	24700	15400	27100	6640	17300	3830	4320
9	3590	4470	8080	4360	14400	24300	15400	31800	9630	8210	3570	3280
10	3520	6790	7950	5430	28500	22100	10200	26600	7480	2930	3800	3820
11	3800	7560	7980	10400	34300	18300	8310	20200	4330	9920	5040	2920
12	3540	4650	2430	12600	25800	19500	7940	11100	4140	30600	5340	3550
13	3600	5750	4710	11600	14800	20800	5470	17200	4050	34600	5480	3940
14	3090	5640	7730	19100	14600	40100	5540	11200	3930	30200	2750	8940
15	2970	9160	7590	17400	15600	32600	6190	12800	10900	23600	2710	4560
16	2330	6120	8170	22500	13900	27200	5420	7270	7820	19100	4640	4400
17	5670	5960	6570	15900	20000	25800	5340	5610	9030	16300	5540	4570
18	5480	6900	5680	18600	26600	20400	5480	5920	8310	11900	4840	3340
19	2450	10500	3230	17000	29600	18400	6820	9410	3180	8790	4500	3920
20	2310	9050	2470	15400	26800	8920	5310	11400	3580	10200	2160	3010
21	2660	5290	6550	14900	25600	10900	5980	8880	3490	11800	2970	2910
22	3160	2410	10000	17400	21700	16200	5340	5350	3630	12000	3320	2990
23	3520	6860	9700	39400	15600	12800	5280	5500	8340	11700	4380	2920
24	3190	5440	27100	43100	15300	15400	5520	5510	16900	6060	8880	2830
25	3510	7360	32600	44200	14200	17600	5350	5480	4840	6210	5770	3770
26	3840	2360	25700	41700	15400	14300	5330	6980	21100	12000	4970	3290
27	3700	3280	21000	35200	11700	5680	5340	5550	27400	10000	4730	5210
28	2930	2390	22600	34400	14300	6630	12600	5340	46400	10900	3440	4950
29	3340	2400	20700	30800	---	12300	12800	6670	47300	9860	3910	2310
30	5930	4340	20200	43000	---	7430	9640	5240	41400	9660	3690	2300
31	3310	---	16000	84900	---	17200	---	5200	---	4480	4080	---
TOTAL	108970	162640	326760	711120	709400	610660	274510	348230	343610	454520	144440	112540
MEAN	3515	5421	10540	22940	25340	19700	9150	11230	11450	14660	4659	3751
MAX	5930	10500	32600	84900	58100	40100	24900	31800	47300	37400	8880	8940
MIN	2300	2360	2310	4360	11700	5680	5280	5200	3180	2930	2160	2300
CFSM	.35	.54	1.04	2.27	2.51	1.95	.91	1.11	1.13	1.45	.46	.37
IN.	.40	.60	1.20	2.62	2.61	2.25	1.01	1.28	1.27	1.67	.53	.41

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02411000 COOSA RIVER AT JORDAN DAM NEAR WETUMPKA, AL--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 1999, BY WATER YEAR (WY)

MEAN	6967	10240	17080	25630	29770	33100	27100	15330	9708	8835	7155	6154
MAX	29100	57080	72980	66360	75180	82160	82520	45310	30790	26190	20680	21370
(WY)	1996	1930	1933	1937	1990	1929	1979	1929	1989	1940	1984	1975
MIN	2128	2547	4054	4237	8481	7516	4452	2384	2688	2071	2577	2307
(WY)	1936	1940	1934	1956	1938	1988	1986	1986	1988	1988	1986	1931

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1913 - 1999		
ANNUAL TOTAL	6580690			4307400					
ANNUAL MEAN	18030			11800			16410		
HIGHEST ANNUAL MEAN							25910		
LOWEST ANNUAL MEAN							5402		
HIGHEST DAILY MEAN	139000			Mar 8			256000		
LOWEST DAILY MEAN	2300			Oct 3			54		
ANNUAL SEVEN-DAY MINIMUM	2970			Oct 19			1270		
INSTANTANEOUS PEAK FLOW							* 316000		
INSTANTANEOUS PEAK STAGE							47.67		
INSTANTANEOUS LOW FLOW							54		
ANNUAL RUNOFF (CFSM)	1.78			1.17			1.62		
ANNUAL RUNOFF (INCHES)	24.23			15.86			22.07		
10 PERCENT EXCEEDS	44300			27100			38800		
50 PERCENT EXCEEDS	8090			7150			9870		
90 PERCENT EXCEEDS	3080			3060			3070		

* Discharge computed on basis of powerplant records and flow over spillway of Jordan Dam.

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

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

LOCATION.--Lat 32°32'13", long 86°12'32", in SE¹/₄ 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; January 1900 to December 1971 in reports of National Weather Service.

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

GAGE.--Water-stage recorder. Datum of gage is 113.45 ft above sea level (datum published incorrectly 1971-96).

COOPERATION.--Remote telemetry provided by U.S. Army Corps of Engineers. Some wire-weight gage readings by National Weather Service.

EXTREMES 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 FOR CURRENT YEAR.--Maximum gage height, 28.80 ft, Jan. 31; minimum gage height, 10.44 ft, Jan. 2.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.71	12.54	13.02	12.30	28.00	14.47	16.14	12.86	13.05	24.86	12.73	12.29
2	12.63	12.52	13.13	12.23	27.00	14.80	14.51	12.35	12.74	18.34	13.27	12.37
3	12.22	12.35	12.70	13.09	25.00	15.46	13.44	12.41	12.82	17.71	12.94	12.36
4	12.03	12.15	12.66	14.54	22.30	15.94	13.00	12.45	12.98	15.74	12.96	12.66
5	11.95	12.48	12.66	14.49	21.70	16.04	13.88	12.61	12.95	13.56	12.82	12.21
6	12.33	12.51	12.32	13.31	20.80	15.38	13.24	15.82	12.82	13.63	12.74	12.32
7	12.47	12.75	12.19	13.00	18.08	16.90	13.87	16.04	13.02	14.16	12.48	12.11
8	12.55	12.55	12.82	13.17	14.77	15.89	14.17	16.03	13.07	15.12	12.48	12.29
9	12.49	12.46	13.34	12.84	13.21	15.93	13.77	16.74	13.54	14.01	12.38	12.33
10	12.60	12.25	13.00	12.03	15.53	16.08	13.16	15.97	13.19	12.81	12.71	12.58
11	12.93	12.46	12.83	12.84	18.01	14.89	12.64	14.80	12.97	13.42	12.99	12.39
12	12.61	12.80	12.45	13.05	16.30	14.52	12.92	12.65	12.63	16.10	12.71	12.31
13	12.17	13.14	12.61	13.19	14.18	14.85	12.59	13.16	12.57	18.58	12.68	12.17
14	11.89	12.65	12.90	13.69	13.69	19.71	12.39	13.91	12.47	18.27	12.55	12.09
15	11.78	12.50	12.56	14.81	14.23	19.34	12.47	13.84	13.29	16.45	12.46	12.21
16	11.78	12.61	12.65	14.24	13.89	18.85	12.49	12.88	13.01	15.18	12.58	12.26
17	12.15	13.00	12.62	14.04	13.82	17.84	12.69	12.57	13.00	14.52	12.64	12.40
18	12.44	12.08	12.64	13.69	14.62	16.39	12.98	12.64	13.00	13.85	12.57	12.29
19	12.37	12.07	12.14	13.53	14.33	15.36	13.17	13.23	12.52	13.48	12.60	12.27
20	12.06	13.27	11.80	14.13	14.77	13.30	12.85	13.66	12.38	13.25	12.39	12.21
21	12.10	12.94	12.04	14.14	13.70	12.79	12.54	13.27	11.81	13.40	12.11	12.35
22	12.10	11.89	12.80	14.30	13.60	14.54	12.44	13.02	11.55	14.02	12.11	12.29
23	12.04	11.73	13.41	18.00	12.68	13.91	12.45	13.01	12.12	13.74	12.09	12.14
24	11.93	12.64	15.69	21.80	13.25	14.05	12.66	13.07	14.18	12.21	12.90	12.06
25	12.12	13.04	17.49	22.10	13.29	14.73	12.80	12.78	12.41	13.47	12.75	12.09
26	12.05	12.69	16.04	19.42	13.72	14.40	12.83	12.90	14.74	13.09	12.67	11.90
27	12.27	12.91	15.02	19.11	13.38	13.11	12.71	12.56	18.73	13.84	12.71	12.07
28	12.17	12.50	14.80	18.09	13.87	13.10	13.52	12.55	23.92	13.83	12.77	12.42
29	12.04	12.47	15.23	17.49	---	13.67	13.93	12.88	25.84	13.66	12.67	12.59
30	12.04	12.47	14.57	19.00	---	13.05	13.25	12.96	25.08	13.81	12.45	12.42
31	12.13	---	13.40	25.00	---	13.47	---	13.05	---	12.98	12.48	---
MEAN	12.26	12.55	13.34	15.38	16.49	15.25	13.18	13.51	14.28	14.87	12.63	12.28
MAX	13.71	13.27	17.49	25.00	28.00	19.71	16.14	16.74	25.84	24.86	13.27	12.66
MIN	11.78	11.73	11.80	12.03	12.68	12.79	12.39	12.35	11.55	12.21	12.09	11.90
CAL YR 1998	MEAN 15.64		MAX 35.70		MIN 11.40							
WTR YR 1999	MEAN 13.82		MAX 28.00		MIN 11.55							

MOBILE RIVER BASIN

02412000 TALLAPOOSA RIVER NEAR HEFLIN, AL

LOCATION.--Lat 33°37'22", long 85°30'48", in NW¹/₄NW¹/₄ 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 southeast 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: Feb. 22-25, July 21-26, 29-31, Aug. 1-14, and Sept. 18-21. Records good. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	103	177	366	2220	751	801	326	184	2830	e150	48
2	117	104	175	359	1750	661	788	313	181	944	e130	44
3	109	108	173	646	1150	767	679	291	186	990	e115	41
4	175	111	174	699	924	1040	611	278	225	575	e105	40
5	336	112	174	507	794	817	565	264	264	413	e100	39
6	217	111	178	398	693	789	566	424	226	329	e95	37
7	180	109	177	355	634	918	570	1040	195	301	e90	36
8	401	114	178	339	599	792	533	1710	176	713	e87	34
9	360	154	190	399	563	775	513	1030	162	513	e88	33
10	248	198	189	496	806	837	491	585	152	360	e86	35
11	192	467	182	458	977	742	470	442	145	306	e84	42
12	166	479	184	388	801	673	450	376	149	806	e81	43
13	153	330	226	352	669	642	418	355	151	663	e80	42
14	143	267	272	350	592	1750	401	366	146	482	75	41
15	138	366	258	940	549	1540	403	346	154	370	71	39
16	132	437	236	958	525	1070	432	322	214	317	65	37
17	128	454	212	616	516	837	400	292	259	287	62	35
18	122	378	197	498	674	727	372	272	302	263	59	e31
19	118	299	191	452	831	660	359	290	236	252	55	e29
20	119	252	197	403	1070	614	363	286	178	235	53	e26
21	118	234	203	373	833	658	378	262	152	e215	50	e25
22	113	220	212	359	e680	1200	354	241	139	e350	47	25
23	106	209	244	1310	e660	983	335	227	133	e320	45	26
24	104	202	534	2410	e640	812	330	229	165	e280	52	27
25	108	199	1050	1280	e610	873	330	228	250	e240	71	28
26	109	196	673	750	585	898	341	220	334	e225	93	28
27	110	190	462	581	563	795	344	211	481	189	81	28
28	109	184	430	501	691	691	381	207	2410	168	71	28
29	109	180	697	453	---	632	377	193	2900	e155	64	30
30	107	177	625	456	---	611	334	181	1070	e140	57	33
31	104	---	451	1110	---	612	---	177	---	e180	52	---
TOTAL	4883	6944	9521	19562	22599	26167	13689	11984	11919	14411	2414	1030
MEAN	158	231	307	631	807	844	456	387	397	465	77.9	34.3
MAX	401	479	1050	2410	2220	1750	801	1710	2900	2830	150	48
MIN	104	103	173	339	516	611	330	177	133	140	45	25
CFSM	.35	.52	.69	1.41	1.80	1.88	1.02	.86	.89	1.04	.17	.08
IN.	.41	.58	.79	1.62	1.88	2.17	1.14	1.00	.99	1.20	.20	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1999, BY WATER YEAR (WY)

MEAN	319	425	638	974	1202	1392	1180	769	481	375	291	233
MAX	1579	1288	2488	2363	3402	3551	3626	2050	1161	1002	1220	1081
(WY)	1996	1993	1984	1972	1961	1990	1979	1968	1989	1994	1967	1975
MIN	16.2	51.0	178	209	468	321	317	220	65.3	62.9	48.0	30.0
(WY)	1955	1955	1989	1956	1986	1988	1986	1988	1988	1986	1986	1954

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1952 - 1999

ANNUAL TOTAL	281330	145123	
ANNUAL MEAN	771	398	688
HIGHEST ANNUAL MEAN			1040
LOWEST ANNUAL MEAN			265
HIGHEST DAILY MEAN	9240	2900	30200
LOWEST DAILY MEAN	86	25	13
ANNUAL SEVEN-DAY MINIMUM	100	26	14
INSTANTANEOUS PEAK FLOW		4400	32500
INSTANTANEOUS PEAK STAGE		12.55	31.34
ANNUAL RUNOFF (CFSM)	1.72	.89	1.53
ANNUAL RUNOFF (INCHES)	23.36	12.05	20.85
10 PERCENT EXCEEDS	1400	814	1280
50 PERCENT EXCEEDS	401	278	420
90 PERCENT EXCEEDS	118	54	121

e Estimated

02413300 LITTLE TALLAPOOSA RIVER NEAR NEWELL, AL

LOCATION.--Lat 33°26'14", long 85°23'57", in SW¹/₄SW¹/₄ 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.--October 1975 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 842.92 ft above sea level (datum published incorrectly 1976-86).

REMARKS.--No estimated daily discharges. Records good. Low flow can be 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.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	98	129	253	1600	566	579	235	178	675	132	43
2	158	99	129	256	1450	480	589	219	153	542	120	41
3	139	101	133	554	1030	488	506	204	140	628	108	38
4	146	105	131	591	768	564	443	196	144	437	101	35
5	174	110	128	424	629	503	407	186	186	320	98	33
6	159	107	129	325	534	552	412	328	173	263	91	32
7	152	104	132	287	478	604	455	654	155	227	84	33
8	207	105	146	272	449	540	407	918	136	438	82	35
9	225	129	218	318	414	613	378	897	123	645	83	36
10	192	158	258	367	586	697	354	572	128	373	83	34
11	161	213	205	329	686	603	337	381	126	337	81	34
12	144	235	177	290	587	523	316	299	154	2140	79	35
13	135	201	191	269	498	499	288	309	133	1670	75	34
14	131	181	217	268	443	1690	274	372	129	888	73	38
15	123	227	208	448	396	1560	270	325	139	546	78	29
16	119	263	193	521	374	1040	275	278	142	427	73	25
17	117	269	172	427	374	720	260	237	196	416	69	22
18	112	222	160	372	665	589	249	220	200	364	65	23
19	115	188	158	341	787	516	241	252	174	304	62	22
20	115	164	159	306	685	461	240	234	146	266	58	22
21	114	152	170	283	595	498	245	207	130	225	54	25
22	110	148	170	274	501	561	243	190	118	240	50	30
23	105	146	180	1330	441	544	231	186	113	199	47	30
24	109	142	290	1720	414	470	220	213	129	178	46	26
25	104	142	461	1360	399	536	220	203	194	166	48	25
26	106	142	414	813	387	584	221	190	397	161	53	25
27	108	133	311	554	387	535	232	179	346	152	57	26
28	104	136	292	448	538	467	261	167	1890	137	60	20
29	103	131	356	390	---	434	266	152	1380	126	53	29
30	102	127	354	383	---	409	249	152	844	142	49	35
31	98	---	292	923	---	419	---	173	---	156	46	---
TOTAL	4176	4678	6663	15696	17095	19265	9668	9328	8596	13788	2258	915
MEAN	135	156	215	506	611	621	322	301	287	445	72.8	30.5
MAX	225	269	461	1720	1600	1690	589	918	1890	2140	132	43
MIN	98	98	128	253	374	409	220	152	113	126	46	20
CFSM	.33	.38	.53	1.25	1.50	1.53	.79	.74	.71	1.10	.18	.08
IN.	.38	.43	.61	1.44	1.57	1.77	.89	.85	.79	1.26	.21	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1999, BY WATER YEAR (WY)

	MEAN	309	446	576	856	1086	1274	943	598	423	335	245	185
MAX	1371	1381	1796	1548	2435	2799	2631	1109	973	1119	1081	603	
(WY)	1996	1993	1984	1976	1990	1990	1979	1991	1989	1994	1984	1994	
MIN	55.5	99.7	197	203	421	311	287	202	68.2	64.0	64.5	30.5	
(WY)	1988	1979	1988	1981	1986	1988	1986	1986	1988	1986	1986	1999	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1976 - 1999

ANNUAL TOTAL	273520	112126	
ANNUAL MEAN	749	307	604
HIGHEST ANNUAL MEAN			908
LOWEST ANNUAL MEAN			239
HIGHEST DAILY MEAN	9510	Mar 9	12600
LOWEST DAILY MEAN	77	Sep 20	20
ANNUAL SEVEN-DAY MINIMUM	100	Sep 14	24
INSTANTANEOUS PEAK FLOW			4320
INSTANTANEOUS PEAK STAGE			9.88
ANNUAL RUNOFF (CFSM)	1.85		.76
ANNUAL RUNOFF (INCHES)	25.06		10.27
10 PERCENT EXCEEDS	1720		590
50 PERCENT EXCEEDS	333		213
90 PERCENT EXCEEDS	118		52
			1270
			366
			103

MOBILE RIVER BASIN

02414500 TALLAPOOSA RIVER AT WADLEY, AL

LOCATION.--Lat 33°07'00", long 85°33'39", in SE¹/₄SW¹/₄ 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 sea level. 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.--No estimated daily discharges. Records good. Flow regulated by several small mill dams above station and since 1982 by Harris Reservoir (station 02412950). Period subsequent to October 1, 1983 is used for monthly statistics. 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	169	1320	144	7510	2000	3180	558	692	4760	651	913
2	172	360	1370	1340	6720	1570	2270	243	1220	4240	145	615
3	231	979	1190	2510	4420	2770	1530	236	1240	2940	873	554
4	241	830	1070	3190	3210	3740	490	2080	1420	2300	1700	349
5	128	745	169	4000	3650	3370	2740	2870	638	1770	1190	268
6	169	1220	210	2310	1920	844	742	2560	184	3050	1940	217
7	328	715	251	1520	1610	3010	1350	3310	899	2100	383	894
8	197	227	1010	163	3300	4000	1620	1030	1990	1620	294	469
9	228	1430	1230	150	2770	2780	1540	1270	2460	1510	304	229
10	218	369	1130	175	3640	3350	1050	2870	1350	1870	308	354
11	159	479	1430	2310	3560	3110	577	1950	368	660	2230	386
12	166	1240	544	2180	2770	2080	363	2920	171	4990	2200	193
13	168	2420	139	1500	1140	1880	341	2770	807	5130	683	908
14	169	188	1370	2150	1210	7070	601	2480	406	2120	241	1010
15	879	700	1480	2460	1700	7430	874	558	330	2690	301	982
16	1430	584	1590	2270	1540	5050	423	245	513	2040	722	686
17	324	192	1100	1810	1990	5050	328	1080	366	948	1590	283
18	179	3250	1460	2090	2610	2190	296	852	1930	648	897	135
19	1210	3390	120	2120	3040	2450	492	2910	544	970	750	332
20	922	1270	231	2530	2100	739	293	2600	154	1660	1380	446
21	1660	109	127	3210	2230	2010	280	2250	1220	2760	410	677
22	810	2450	622	2040	3690	3320	282	1360	1180	2870	343	757
23	1480	2680	2220	8180	2860	3410	277	769	1080	2700	263	609
24	89	2080	2610	5400	2080	3520	261	1770	562	532	114	245
25	430	3270	1170	5870	1720	2730	257	1440	859	451	244	396
26	565	736	2410	3250	1420	2520	263	603	1440	3260	128	238
27	1630	473	1320	2510	288	1880	865	857	2340	2450	1040	1050
28	1620	693	2870	2620	2860	725	344	239	7260	2860	276	1340
29	1320	739	1490	3210	---	3370	280	179	7760	2460	150	1220
30	1450	1530	2860	2640	---	1470	264	178	5080	2450	309	1150
31	633	---	1230	5240	---	3320	---	177	---	798	378	---
TOTAL	19386	35517	37343	81092	77558	92758	24473	45214	46463	71607	22437	17905
MEAN	625	1184	1205	2616	2770	2992	816	1459	1549	2310	724	597
MAX	1660	3390	2870	8180	7510	7430	3180	3310	7760	5130	2230	1340
MIN	89	109	120	144	288	725	257	177	154	451	114	135
CFSM	.37	.71	.72	1.56	1.65	1.79	.49	.87	.92	1.38	.43	.36
IN.	.43	.79	.83	1.80	1.72	2.06	.54	1.00	1.03	1.59	.50	.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1999, BY WATER YEAR (WY)

	MEAN	1397	2254	2662	3551	4916	5378	2361	2217	1873	1834	1472	987
MAX	5599	6246	8336	6757	10890	13270	5031	5111	4664	4497	4331	1556	
(WY)	1996	1993	1984	1993	1990	1990	1998	1984	1989	1994	1984	1985	
MIN	234	767	729	1248	1607	1294	542	444	521	527	585	320	
(WY)	1987	1988	1988	1986	1986	1988	1986	1986	1986	1988	1990	1990	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1984 - 1999
ANNUAL TOTAL	1196347	571753	
ANNUAL MEAN	3278	1566	2565
HIGHEST ANNUAL MEAN			3953
LOWEST ANNUAL MEAN			1082
HIGHEST DAILY MEAN	28700	Mar 10	60300
LOWEST DAILY MEAN	89	Oct 24	** 41
ANNUAL SEVEN-DAY MINIMUM	180	Sep 30	95
INSTANTANEOUS PEAK FLOW			* 67600
INSTANTANEOUS PEAK STAGE		11.39	* 26.72
ANNUAL RUNOFF (CFSM)	1.96	.94	1.53
ANNUAL RUNOFF (INCHES)	26.57	12.70	20.81
10 PERCENT EXCEEDS	7830	3260	5440
50 PERCENT EXCEEDS	2090	1220	1700
90 PERCENT EXCEEDS	228	214	202

* Maximum discharge of record (Sept. 1923 to Sept. 1998) is 89,400 ft³/s, April 14, 1979, gage height, 30.57 ft.

** Minimum daily discharge (unregulated period, water years 1924-1982), 45 ft³/s, Oct. 2-4, 1954.

MOBILE RIVER BASIN

02414500 TALLAPOOSA RIVER AT WADLEY, AL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.34	2.36	3.42	2.33	7.23	4.04	5.06	2.88	2.72	5.67	3.09	3.21
2	2.35	2.54	3.45	3.26	6.84	3.66	4.35	2.38	3.48	5.30	2.17	2.95
3	2.48	3.39	3.35	4.38	5.77	4.45	3.84	2.36	3.30	4.63	3.13	2.79
4	2.58	3.09	3.25	4.93	5.02	5.12	2.84	3.58	3.46	4.18	3.77	2.72
5	2.22	3.01	2.39	5.36	5.29	4.95	4.47	4.76	2.90	3.78	3.36	2.60
6	2.37	3.65	2.48	4.33	3.98	3.10	3.12	4.46	2.22	4.46	4.02	2.48
7	2.61	3.02	2.56	3.61	3.75	4.79	3.62	4.81	2.83	3.96	2.71	3.09
8	2.43	2.49	3.31	2.41	4.95	5.31	3.97	3.37	3.86	3.68	2.59	2.87
9	2.51	3.41	3.41	2.36	4.52	4.75	3.78	3.46	4.11	3.64	2.60	2.51
10	2.48	2.63	3.38	2.45	5.08	5.03	3.39	4.32	3.50	3.85	2.62	2.77
11	2.33	2.88	3.86	4.06	4.65	4.84	2.95	3.92	2.57	2.96	3.94	2.77
12	2.35	3.38	3.03	3.98	4.36	3.99	2.63	4.78	2.18	6.08	4.01	2.44
13	2.36	4.37	2.31	3.24	3.35	3.94	2.59	4.00	2.96	6.07	3.10	3.28
14	2.36	2.41	3.54	4.35	3.41	7.06	2.91	4.33	2.62	3.92	2.46	3.50
15	3.05	3.14	3.84	4.52	3.75	7.24	3.38	2.86	2.53	4.28	2.62	3.21
16	3.49	2.99	3.95	4.41	3.61	5.95	2.73	2.38	2.82	4.00	3.03	3.18
17	2.59	2.48	3.54	4.13	3.98	5.94	2.56	3.24	2.59	3.23	3.60	2.65
18	2.38	4.65	3.51	4.28	4.59	4.10	2.50	3.07	3.42	2.98	3.39	2.25
19	3.23	4.73	2.24	4.31	4.94	4.49	2.81	4.59	2.78	3.19	2.81	2.72
20	3.10	3.38	2.53	4.59	3.88	2.98	2.49	4.34	2.12	3.65	3.67	2.90
21	3.63	2.18	2.20	4.94	4.40	4.01	2.46	4.12	2.99	4.31	2.79	3.05
22	3.05	4.56	2.97	4.25	5.06	4.98	2.47	3.56	3.33	4.40	2.68	3.21
23	3.82	4.69	4.30	7.44	4.65	4.77	2.46	3.14	3.24	4.30	2.55	3.01
24	2.08	4.28	4.58	6.17	3.92	5.09	2.42	3.88	2.90	2.85	2.10	2.60
25	2.81	5.00	3.48	6.44	3.69	4.66	2.41	3.50	2.93	2.72	2.37	2.81
26	2.47	3.02	4.25	5.03	3.52	4.38	2.42	2.87	3.60	4.61	2.17	2.58
27	3.66	2.70	3.52	4.48	2.48	4.12	3.12	3.05	4.15	4.15	2.97	3.41
28	3.66	3.01	4.82	4.56	4.39	2.92	2.59	2.35	6.94	4.30	2.48	3.58
29	3.45	3.03	3.89	4.91	---	4.94	2.46	2.21	7.31	4.33	2.23	3.57
30	3.55	3.61	4.66	4.57	---	3.65	2.43	2.20	5.62	4.13	2.60	3.50
31	2.89	---	3.46	6.15	---	5.06	---	2.20	---	3.12	2.72	---
MEAN	2.80	3.34	3.40	4.39	4.47	4.66	3.04	3.45	3.40	4.09	2.91	2.94
MAX	3.82	5.00	4.82	7.44	7.23	7.24	5.06	4.81	7.31	6.08	4.02	3.58
MIN	2.08	2.18	2.20	2.33	2.48	2.92	2.41	2.20	2.12	2.72	2.10	2.25
CAL YR 1998	MEAN 4.60		MAX 16.90		MIN 2.08							
WTR YR 1999	MEAN 3.57		MAX 7.44		MIN 2.08							

MOBILE RIVER BASIN

02414525 HIGH PINE CREEK NEAR ROANOKE, AL

LOCATION.--Lat 33°09'31", long 85°24'06", in SE¹/₄ sec. 28, T. 21 S., R. 12 E., Randolph County, Hydrologic Unit 03150109, on left bank just upstream of sewage outfall, 100 ft downstream of Town Creek, 500 ft downstream of State Highway 22, and 2 mi west of Roanoke.

DRAINAGE AREA.--21.3 mi².

PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 700 ft, from topographic map.

REMARKS.--Estimated daily discharges: 1998 water year, Aug. 21-31, Sept. 20-30; 1999 water year, Oct. 1, Nov. 1-5, Nov. 18 to Dec. 7, June 8-14, Sept. 15-19, 22-30. Records fair except those of missing periods, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	4.2
2	---	---	---	---	---	---	---	---	---	---	---	4.1
3	---	---	---	---	---	---	---	---	---	---	---	4.0
4	---	---	---	---	---	---	---	---	---	---	---	3.7
5	---	---	---	---	---	---	---	---	---	---	---	3.3
6	---	---	---	---	---	---	---	---	---	---	---	3.1
7	---	---	---	---	---	---	---	---	---	---	---	2.9
8	---	---	---	---	---	---	---	---	---	---	---	2.8
9	---	---	---	---	---	---	---	---	---	---	---	2.4
10	---	---	---	---	---	---	---	---	---	---	---	2.1
11	---	---	---	---	---	---	---	---	---	---	---	2.1
12	---	---	---	---	---	---	---	---	---	---	---	2.4
13	---	---	---	---	---	---	---	---	---	---	---	2.4
14	---	---	---	---	---	---	---	---	---	---	---	2.2
15	---	---	---	---	---	---	---	---	---	---	---	2.1
16	---	---	---	---	---	---	---	---	---	---	---	2.0
17	---	---	---	---	---	---	---	---	---	---	---	2.0
18	---	---	---	---	---	---	---	---	---	---	---	3.0
19	---	---	---	---	---	---	---	---	---	---	---	4.1
20	---	---	---	---	---	---	---	---	---	---	---	e3.8
21	---	---	---	---	---	---	---	---	---	---	29	e3.3
22	---	---	---	---	---	---	---	---	---	---	16	e2.8
23	---	---	---	---	---	---	---	---	---	---	11	e2.3
24	---	---	---	---	---	---	---	---	---	---	9.2	e2.2
25	---	---	---	---	---	---	---	---	---	---	e8.2	e2.2
26	---	---	---	---	---	---	---	---	---	---	e6.8	e2.1
27	---	---	---	---	---	---	---	---	---	---	e5.8	e2.1
28	---	---	---	---	---	---	---	---	---	---	e5.0	e2.0
29	---	---	---	---	---	---	---	---	---	---	e4.7	e2.0
30	---	---	---	---	---	---	---	---	---	---	e4.3	e15
31	---	---	---	---	---	---	---	---	---	---	e4.1	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	94.7
MEAN	---	---	---	---	---	---	---	---	---	---	---	3.16
MAX	---	---	---	---	---	---	---	---	---	---	---	15
MIN	---	---	---	---	---	---	---	---	---	---	---	2.0
CFSM	---	---	---	---	---	---	---	---	---	---	---	.15
IN.	---	---	---	---	---	---	---	---	---	---	---	.17

e Estimated

MOBILE RIVER BASIN

02414525 HIGH PINE CREEK NEAR ROANOKE, AL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e9.0	e4.2	e4.8	7.2	118	14	42	6.9	4.4	72	7.9	2.3
2	7.3	e4.0	e4.8	39	56	12	27	6.4	4.4	30	7.0	2.1
3	6.3	e3.8	e4.7	25	31	17	21	6.0	4.0	19	6.1	2.1
4	6.1	e3.7	e4.7	17	30	14	18	5.5	3.8	14	5.6	2.0
5	6.6	e3.6	e4.6	13	23	12	16	6.0	4.3	11	5.2	1.8
6	7.5	3.7	e4.7	11	19	48	15	107	3.2	12	4.9	1.7
7	11	3.5	e5.0	11	17	21	29	44	3.0	9.2	4.2	1.6
8	8.1	4.3	5.3	10	15	16	17	22	e2.9	8.6	3.9	1.6
9	6.9	5.6	5.4	21	14	46	16	15	e2.8	7.6	4.5	2.0
10	6.2	7.4	5.2	15	22	28	15	12	e2.8	6.8	4.3	2.0
11	5.7	17	5.5	13	22	22	13	10	e3.3	90	4.4	1.6
12	5.4	9.8	6.0	11	18	18	12	8.5	e7.0	184	4.2	1.6
13	5.2	8.7	8.8	10	15	64	11	8.6	e5.5	47	3.9	1.5
14	5.1	12	7.5	11	13	323	10	8.5	e4.5	23	3.7	1.5
15	4.8	13	7.3	13	12	117	11	7.8	50	15	2.9	e1.4
16	4.6	13	6.8	11	11	49	10	7.0	611	12	2.7	e1.3
17	4.7	12	6.5	11	28	30	9.5	6.7	163	10	2.6	e1.2
18	4.6	e9.0	6.4	9.6	42	23	8.9	6.9	37	9.2	2.5	e1.1
19	5.1	e7.5	6.8	8.9	29	20	8.7	7.0	17	44	2.3	e1.2
20	5.7	e6.8	7.2	8.3	21	17	8.5	6.3	10	90	3.0	133
21	5.4	e6.2	7.3	8.1	17	21	8.2	5.7	23	35	2.8	5.9
22	6.3	e5.9	7.1	8.0	15	18	7.8	5.4	8.1	20	2.2	e1.8
23	3.1	e5.7	8.3	320	13	15	7.4	5.3	72	14	4.1	e1.2
24	3.5	e5.8	25	112	13	14	7.4	5.9	132	57	7.9	e.95
25	6.1	e6.0	15	36	12	19	7.4	5.3	33	293	6.1	e.85
26	7.4	e5.8	13	20	11	17	7.6	5.2	19	91	5.9	e.80
27	3.6	e5.2	11	14	13	15	7.9	4.8	19	27	4.7	e1.0
28	4.2	e5.0	12	11	18	14	8.1	4.5	22	16	3.9	e2.5
29	3.8	e4.9	10	9.7	---	13	7.7	4.4	108	13	3.4	e1.8
30	3.9	e4.9	8.7	19	---	13	7.5	4.5	146	11	2.9	e1.2
31	4.5	---	7.8	99	---	43	---	4.3	---	9.2	2.5	---
TOTAL	177.7	208.0	243.2	932.8	668	1113	395.6	363.4	1526.0	1300.6	132.2	182.60
MEAN	5.73	6.93	7.85	30.1	23.9	35.9	13.2	11.7	50.9	42.0	4.26	6.09
MAX	11	17	25	320	118	323	42	107	611	293	7.9	133
MIN	3.1	3.5	4.6	7.2	11	12	7.4	4.3	2.8	6.8	2.2	.80
CFSM	.27	.33	.37	1.41	1.12	1.69	.62	.55	2.39	1.97	.20	.29
IN.	.31	.36	.42	1.63	1.17	1.94	.69	.63	2.67	2.27	.23	.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 1999, BY WATER YEAR (WY)

MEAN	5.73	6.93	7.85	30.1	23.9	35.9	13.2	11.7	50.9	42.0	4.26	4.62
MAX	5.73	6.93	7.85	30.1	23.9	35.9	13.2	11.7	50.9	42.0	4.26	6.09
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	5.73	6.93	7.85	30.1	23.9	35.9	13.2	11.7	50.9	42.0	4.26	3.16
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1998

SUMMARY STATISTICS

FOR 1999 WATER YEAR

WATER YEARS 1998 - 1999

ANNUAL TOTAL	7243.10	
ANNUAL MEAN	19.8	19.8
HIGHEST ANNUAL MEAN		19.8
LOWEST ANNUAL MEAN		19.8
HIGHEST DAILY MEAN	611	611
LOWEST DAILY MEAN	.80	.80
ANNUAL SEVEN-DAY MINIMUM	1.3	1.3
INSTANTANEOUS PEAK STAGE	11.65	11.65
ANNUAL RUNOFF (CFSM)	.93	.93
ANNUAL RUNOFF (INCHES)	12.65	12.66
10 PERCENT EXCEEDS	35	30
50 PERCENT EXCEEDS	8.1	7.5
90 PERCENT EXCEEDS	2.8	2.3

e Estimated

MOBILE RIVER BASIN

02414715 TALLAPOOSA RIVER NEAR NEW SITE, AL

LOCATION.--Lat 32°58'38", long 85°44'23", in NW¹/₄SW¹/₄ sec. 15, T. 23 N., R. 23 E., Tallapoosa County, Hydrologic Unit 03150109, on right bank 100 ft downstream from bridge on State Highway 49, 1 mi upstream from Emuckfaw Creek, 5 mi south of New Site, and at mile 95.9.

DRAINAGE AREA.--2,058 mi².

PERIOD OF RECORD.--November 1985 to current year.

REVISED RECORDS.--WDR AL-89-1: 1988(M).

GAGE.--Water-stage recorder. Datum of gage is 528.62 ft above sea level.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Harris Reservoir (station 02412950) and small mill dams 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	605	422	1830	1320	8670	4290	4600	1190	392	7020	1230	744
2	500	352	1930	523	9230	2260	3540	868	1330	5760	711	746
3	399	1130	2060	3320	6190	3270	3360	550	1840	4480	884	567
4	485	1410	1850	3700	4540	3800	2110	507	1980	3180	1160	629
5	459	1220	520	4860	4310	5060	1710	3570	2210	2760	1820	357
6	339	1360	464	3690	3550	2140	3950	3600	659	2290	1780	337
7	371	1690	485	2320	2710	3350	1790	3860	422	3990	1980	267
8	655	537	1150	1340	2980	4300	2750	4050	1620	2920	451	1230
9	585	916	1420	561	3840	4510	2880	2640	2620	2320	446	386
10	491	1380	1890	596	5340	4320	2520	1030	2870	1920	521	332
11	437	1150	1530	1980	1550	4200	2190	4110	1640	2320	501	366
12	378	695	1960	2910	5160	3090	1230	3620	431	3660	2500	427
13	365	2900	700	1440	3260	2100	1050	2000	340	5660	2470	305
14	360	1670	884	3060	1260	6100	974	4120	1220	3490	664	1080
15	358	919	2360	3140	2380	10500	1880	2910	1430	2750	333	1050
16	1320	1440	2520	3040	2450	6420	1660	733	2530	3120	400	1280
17	1880	620	1880	2990	2100	5740	1120	576	3400	2510	913	482
18	401	2240	1900	2580	3570	4090	891	2060	1590	1490	1850	328
19	359	3550	1210	3150	4200	3780	844	2010	2940	951	940	260
20	1880	3580	439	3140	2550	1880	1230	3390	601	1520	1500	385
21	1750	559	454	3790	3640	2620	817	3400	396	2350	1150	1290
22	1870	1790	659	2680	3750	4210	766	2700	1870	3140	461	903
23	1410	3130	1730	6300	4600	3790	754	1790	1700	3200	349	857
24	1020	2840	2910	9320	2840	4070	745	1410	2880	2950	350	371
25	273	2760	3600	6850	2540	3980	722	2600	2070	1060	289	445
26	597	3400	1350	4710	2220	3380	718	2250	2110	1120	415	342
27	1580	509	3400	3500	1450	3460	762	652	2390	3740	307	553
28	2040	1270	2300	3570	1190	1810	1850	1490	5720	2770	1330	1660
29	2030	1120	3000	3510	---	3670	854	490	8900	3510	305	1610
30	1730	1560	3460	3790	---	2260	787	412	6130	2510	229	1420
31	1690	---	2080	5790	---	3540	---	400	---	2800	432	---
TOTAL	28617	48119	53925	103470	102070	121990	51054	64988	66231	93261	28671	21009
MEAN	923	1604	1740	3338	3645	3935	1702	2096	2208	3008	925	700
MAX	2040	3580	3600	9320	9230	10500	4600	4120	8900	7020	2500	1660
MIN	273	352	439	523	1190	1810	718	400	340	951	229	260
CFSM	.45	.78	.85	1.62	1.77	1.91	.83	1.02	1.07	1.46	.45	.34
IN.	.52	.87	.97	1.87	1.84	2.21	.92	1.17	1.20	1.69	.52	.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1999, BY WATER YEAR (WY)

	1973	3032	3239	4734	6145	7104	3436	2625	2586	2367	1681	1319
MEAN	1973	3032	3239	4734	6145	7104	3436	2625	2586	2367	1681	1319
MAX	7270	7601	7959	8191	12880	16230	7210	5774	6704	5517	3561	2448
(WY)	1996	1993	1993	1996	1990	1990	1998	1991	1989	1994	1994	1988
MIN	325	928	1011	1757	2270	1785	800	763	689	841	731	413
(WY)	1988	1988	1988	1986	1986	1988	1986	1986	1986	1986	1995	1990

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1986 - 1999

ANNUAL TOTAL	1631932	783405	
ANNUAL MEAN	4471	2146	3473
HIGHEST ANNUAL MEAN			5065
LOWEST ANNUAL MEAN			1461
HIGHEST DAILY MEAN	38100	Mar 10	78300
LOWEST DAILY MEAN	273	Oct 25	98
ANNUAL SEVEN-DAY MINIMUM	425	Oct 9	167
INSTANTANEOUS PEAK FLOW			91400
INSTANTANEOUS PEAK STAGE			19.15
ANNUAL RUNOFF (CFSM)	2.17		1.69
ANNUAL RUNOFF (INCHES)	29.50		22.93
10 PERCENT EXCEEDS	9220	4100	6600
50 PERCENT EXCEEDS	2900	1830	2450
90 PERCENT EXCEEDS	476	414	362

LOCATION.--Lat 33°04'00", long 85°52'45", in NW¹/₄SW¹/₄ sec. 17, T. 24 N., R. 22 E., Tallapoosa County, Hydrologic Unit 03150109, near center of channel on downstream side of county road bridge, 1 mi downstream from Enitachopco Creek, 3 mi east of Hackneyville, and 4 mi upstream from Hackney Creek.

DRAINAGE AREA.--190 mi².

PERIOD OF RECORD.--June 1952 to September 1970, October 1970 to September 1972 (flood hydrograph only), October 1985 to current year.

REVISED RECORD.--WDR AL-86-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 557.92 ft above sea level.

REMARKS.--Estimated daily discharges: Mar. 9-18. 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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 13, 1979 reached a gage height of 28.10 ft, from floodmarks, discharge, 26,400 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1999, BY WATER YEAR (WY)

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1952 - 1999	
ANNUAL TOTAL	131571		61597			
ANNUAL MEAN	360		169		309	
HIGHEST ANNUAL MEAN					503	1990
LOWEST ANNUAL MEAN					129	1986
HIGHEST DAILY MEAN	8540	Mar 8	2720	Jan 31	12300	Apr 5 1957
LOWEST DAILY MEAN	26	Sep 17-20, 28	16	Sep 26	4.9	Aug 9 1986
ANNUAL SEVEN-DAY MINIMUM	27	Sep 14	21	Sep 15	6.6	Aug 3 1986
INSTANTANEOUS PEAK FLOW			3700	Jan 31	17700	Mar 16 1990
INSTANTANEOUS PEAK STAGE			12.79	Jan 31	25.70	Apr 5 1957
ANNUAL RUNOFF (CFSM)	1.90		.89		1.63	
ANNUAL RUNOFF (INCHES)	25.76		12.06		22.13	
10 PERCENT EXCEEDS	821		316		620	
50 PERCENT EXCEEDS	135		117		174	
90 PERCENT EXCEEDS	34		33		50	

e Estimated

MOBILE RIVER BASIN

02418500 TALLAPOOSA RIVER BELOW TALLASSEE, AL

LOCATION.--Lat 32°33'15", long 85°53'21", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ 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.--WSP 2106: 1962. WDR AL-84-1: Drainage area.

GAGE.--Nonrecording gage since April 1975. Datum of gage is 164.01 ft above sea level (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), other hydroelectric plants, and small mill dams 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2580	1900	4400	1540	11000	1510	1380	1470	1310	14900	1350	2190
2	1480	2720	4560	1490	10500	1520	1380	1460	1310	10000	5410	2540
3	1480	2520	3420	2030	10700	1700	1380	1460	1320	6690	3990	2450
4	1480	2520	3590	4450	10600	2570	1320	1510	1300	1420	2560	1590
5	2560	2370	3090	4220	9800	2610	2720	1490	1300	4140	3890	1490
6	2790	2420	1470	3910	8150	1570	1480	1490	1290	3240	2430	1460
7	2520	1420	3920	2910	3580	1520	1490	1530	1310	4690	1330	2970
8	2500	1500	3560	2880	4060	2240	1480	1520	1540	6500	1320	2900
9	2090	2440	3870	1520	3720	1510	1490	1460	1300	4030	2720	3130
10	1520	2720	4400	1550	4180	2090	1480	2260	1310	2710	3580	2120
11	1520	3600	4230	2370	7060	2450	1410	2460	1310	1350	3320	1410
12	1250	3430	2290	2750	4660	2300	1480	1960	1310	8030	2590	1440
13	1430	2030	1580	1460	1530	1530	1490	1960	1310	7070	4110	2130
14	1840	3430	4580	2000	2300	1530	1470	2000	1310	6350	2410	1900
15	1750	1480	4070	2180	4820	2220	1380	1300	1310	3510	1420	2040
16	1790	2870	3390	2610	3210	1920	1380	1320	1300	2220	2180	2020
17	1080	5290	3280	1930	2580	1600	1390	1420	1290	2320	3290	1950
18	1090	3220	3330	3080	2150	1600	1600	1330	1290	1970	2880	1910
19	1810	5950	1560	4360	1660	1600	1660	1350	1290	1320	3240	2020
20	2050	3230	1500	3080	1580	1530	1870	1400	1300	4070	1500	2890
21	2340	5900	3100	4150	1560	1470	1490	1410	1310	3430	1430	1800
22	2240	4890	5220	3870	1790	1460	1490	1410	1290	4670	1390	1690
23	2300	4540	4650	8780	1800	1380	1490	1410	1300	4600	1450	1710
24	1290	5060	5480	11300	1860	1370	1490	1390	1300	2310	1930	2390
25	1340	4830	1550	9340	1880	1370	1490	1340	3630	1380	3490	1630
26	2140	3540	4610	8130	1520	1370	1490	1320	5050	5040	1460	1610
27	2230	4720	2840	5040	1520	1370	1770	1290	7330	4010	3300	2850
28	2360	4430	5560	4260	1520	1380	1470	1280	16700	3970	1460	2980
29	2500	3200	3080	6020	---	1360	1480	1320	20900	4510	1450	2840
30	2380	4260	3410	6530	---	1380	1480	1260	12100	4540	1950	1580
31	1800	---	3250	10800	---	1380	---	1270	---	3300	1580	---
TOTAL	59530	102430	108840	130540	121290	52410	45870	46850	97220	138290	76410	63630
MEAN	1920	3414	3511	4211	4332	1691	1529	1511	3241	4461	2465	2121
MAX	2790	5950	5560	11300	11000	2610	2720	2460	20900	14900	5410	3130
MIN	1080	1420	1470	1460	1520	1360	1320	1260	1290	1320	1320	1410
CFSM	.58	1.03	1.05	1.27	1.30	.51	.46	.45	.97	1.34	.74	.64
IN.	.67	1.14	1.22	1.46	1.36	.59	.51	.52	1.09	1.55	.85	.71

MOBILE RIVER BASIN
02418500 TALLAPOOSA RIVER BELOW TALLASSEE, AL--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1999, BY WATER YEAR (WY)

MEAN	3753	4420	5124	5188	6355	7100	6835	4771	3804	3394	3426	3476
MAX	9715	11030	14750	11030	18060	22970	22600	12010	13350	8384	9205	6459
(WY)	1976	1949	1933	1933	1990	1990	1979	1973	1989	1989	1984	1939
MIN	531	1477	704	853	1440	633	455	381	1336	814	924	924
(WY)	1933	1942	1932	1932	1970	1988	1934	1988	1985	1988	1988	1986

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1929 - 1999	
ANNUAL TOTAL	2131900		1043310			
ANNUAL MEAN	5841		2858		4794	
HIGHEST ANNUAL MEAN					7808	
LOWEST ANNUAL MEAN					2058	
HIGHEST DAILY MEAN	40800	Mar 10	20900	Jun 29	125000	Mar 17 1990
LOWEST DAILY MEAN	1080	Oct 17	1080	Oct 17	10	Jun 3 1930
ANNUAL SEVEN-DAY MINIMUM	1460	Oct 12	1290	May 27	18	May 28 1930
INSTANTANEOUS PEAK FLOW					* 128000	Feb 25 1961
INSTANTANEOUS PEAK STAGE					51.35	Mar 15 1929
INSTANTANEOUS LOW FLOW					10	Jun 3 1930
ANNUAL RUNOFF (CFSM)	1.76		.86		1.44	
ANNUAL RUNOFF (INCHES)	23.83		11.66		19.57	
10 PERCENT EXCEEDS	12000		4950		9240	
50 PERCENT EXCEEDS	4010		2020		4160	
90 PERCENT EXCEEDS	1480		1320		360	

* Gage height, 50.4 ft, discharge computed on basis of powerplant and flow over spillway.

MOBILE RIVER BASIN

02419000 UPHAPEE CREEK NEAR TUSKEGEE, AL

LOCATION.--Lat 32°28'36", long 85°41'42", in NE¹/₄NE¹/₄ 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 Western Railway of Alabama bridge, and 4 mi north of Tuskegee.

DRAINAGE AREA.--333 mi².

PERIOD OF RECORD.--October 1939 to September 1970, October 1970 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 223.65 ft above sea level.

REMARKS.--Estimated daily discharges: Dec. 23, 24. Records good except those of estimated period, which are 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.

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1160	38	54	90	2400	239	504	117	60	1160	45	23
2	455	38	51	116	2500	207	465	94	48	579	39	25
3	216	41	50	221	1530	213	349	77	40	363	37	23
4	162	38	50	215	834	225	286	69	36	272	38	22
5	133	38	50	159	713	192	255	75	61	210	34	19
6	115	36	52	132	493	253	234	124	74	180	29	18
7	118	36	53	123	395	445	218	191	56	241	33	18
8	461	36	70	117	352	352	204	169	46	243	24	33
9	914	40	121	117	321	343	193	131	40	169	26	91
10	487	44	113	121	289	427	178	106	37	141	28	36
11	208	90	78	117	274	340	163	88	33	129	30	29
12	152	119	69	110	249	263	148	76	51	131	32	23
13	126	90	84	108	223	247	135	74	51	139	25	21
14	111	78	94	105	203	1900	127	94	52	131	23	17
15	101	76	82	107	193	3320	145	90	121	119	21	17
16	87	91	72	107	190	1900	182	71	256	262	21	14
17	76	93	69	103	191	662	163	62	240	814	20	13
18	69	85	64	105	316	444	133	72	146	660	19	14
19	66	73	62	100	377	373	118	89	95	305	19	15
20	62	68	60	98	290	326	110	76	67	192	28	98
21	65	63	61	93	243	330	106	61	55	161	39	45
22	61	60	62	92	213	324	98	50	51	131	22	36
23	55	60	e75	563	199	287	85	47	121	114	21	29
24	53	59	e110	1040	188	259	83	47	194	108	53	26
25	49	63	186	529	184	416	82	53	230	97	110	23
26	46	60	156	320	178	679	82	50	1020	73	67	21
27	42	58	128	242	175	522	88	47	1180	65	45	33
28	41	54	113	207	215	361	106	47	2190	60	35	40
29	39	53	106	189	---	301	122	59	2630	52	29	62
30	39	54	102	355	---	276	125	89	2010	53	27	41
31	40	---	95	2000	---	296	---	86	---	58	25	---
TOTAL	5809	1832	2592	8101	13928	16722	5287	2581	11291	7412	1044	925
MEAN	187	61.1	83.6	261	497	539	176	83.3	376	239	33.7	30.8
MAX	1160	119	186	2000	2500	3320	504	191	2630	1160	110	98
MIN	39	36	50	90	175	192	82	47	33	52	19	13
CFSM	.56	.18	.25	.78	1.49	1.62	.53	.25	1.13	.72	.10	.09
IN.	.65	.20	.29	.90	1.56	1.87	.59	.29	1.26	.83	.12	.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1999, BY WATER YEAR (WY)

	MEAN	111	229	446	650	890	1116	759	330	182	247	112	88.5
MAX	1284	2681	2042	1807	2369	3412	3951	1517	1435	2033	553	543	
(WY)	1976	1949	1954	1946	1961	1943	1964	1953	1989	1994	1975	1969	
MIN	4.92	11.2	31.6	58.9	207	241	127	46.5	26.8	13.0	7.33	1.67	
(WY)	1955	1955	1955	1956	1968	1955	1967	1941	1954	1986	1956	1954	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1940 - 1999

ANNUAL TOTAL	180078	77524	
ANNUAL MEAN	493	212	428
HIGHEST ANNUAL MEAN			819
LOWEST ANNUAL MEAN			125
HIGHEST DAILY MEAN	18400	3320	24900
LOWEST DAILY MEAN	11	13	.80
ANNUAL SEVEN-DAY MINIMUM	13	16	1.3
INSTANTANEOUS PEAK FLOW		3930	32200
INSTANTANEOUS PEAK STAGE		9.93	28.18
ANNUAL RUNOFF (CFSM)	1.48	.64	1.29
ANNUAL RUNOFF (INCHES)	20.12	8.66	17.46
10 PERCENT EXCEEDS	1090	403	974
50 PERCENT EXCEEDS	94	95	158
90 PERCENT EXCEEDS	26	29	25

e Estimated

MOBILE RIVER BASIN

02419500 TALLAPOOSA RIVER AT MILSTEAD, AL

LOCATION.--Lat 32°26'58", long 85°53'33", in SW¹/₄ sec. 18, T. 17 N., R. 22 E., Elmore County, Hydrologic Unit 03150110, at bridge on State Highway 229, 4.4 mi downstream from Uphapee Creek, 9.9 mi downstream of Thurlow Dam, at Milstead, and at river mile 39.8.

DRAINAGE AREA.--3,771 mi².

PERIOD OF RECORD.--October 1971 to September 1977, October 1980 to September 1983, October 1997 to current year (gage heights only). Daily discharges are published for water years 1898-1902. Data from 1902 through current year in files of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 153.84 ft above sea level.

REMARKS.--Records good. Daily gage heights are affected by operation of hydroelectric plants at Thurlow, Yates, and Martin Dams.

COOPERATION.--Remote telemetry provided by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 42.4 ft, Apr. 1, 1977; minimum gage height, -1.3 ft, Oct. 30, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.18 ft, June 29; minimum gage height, 2.20 ft, May 28.

EXTREMES OUTSIDE PERIOD OF RECORD.--Significant flood events include 54.0 ft, Dec. 10, 1919; 50.9 ft, Mar. 15, 1929; 49.0 ft, Nov. 28, 1943; 48.5 ft, Nov. 29, 1948; 51.5 ft, Feb. 26, 1961; 47.8 ft, Apr. 8, 1964; 48.9 ft, Apr. 14, 1979; 44.75 ft, June 21, 1989; 49.85 ft, Mar. 17, 1990.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	5.85	3.03	15.71	2.94	3.45	2.46	2.36	17.54	3.19	3.37
2	---	---	5.89	2.65	15.02	2.87	3.52	2.42	2.35	14.04	5.93	3.73
3	---	---	5.32	3.23	14.44	3.07	3.24	2.37	2.33	9.06	5.42	3.79
4	---	---	5.73	5.89	13.72	4.38	3.05	2.46	2.31	4.99	4.24	2.81
5	---	---	4.96	6.35	12.62	4.38	4.54	2.41	2.26	5.50	4.89	2.53
6	---	---	2.99	6.03	11.94	3.11	3.09	2.57	2.28	5.28	4.27	2.44
7	---	---	5.09	4.81	7.06	3.23	3.08	2.82	2.31	5.82	2.80	3.92
8	---	---	5.67	4.71	6.65	4.27	---	2.85	2.57	7.83	2.59	4.56
9	---	---	5.74	3.20	6.37	3.25	---	2.60	2.73	7.53	3.99	5.07
10	---	3.56	6.18	2.60	6.21	4.26	---	2.70	2.49	4.71	4.65	4.16
11	---	4.67	6.29	3.67	9.05	4.40	---	2.63	2.49	3.39	4.51	3.20
12	---	5.07	4.03	4.14	7.64	4.14	---	2.60	2.53	7.14	4.16	3.07
13	---	3.51	2.63	2.55	4.01	3.02	---	2.40	2.58	9.98	5.11	3.71
14	---	4.37	5.31	2.95	4.19	4.92	---	2.41	2.59	7.92	4.16	3.72
15	---	2.88	5.42	3.74	6.34	7.25	---	2.36	2.87	5.91	2.84	3.23
16	---	3.35	4.79	4.48	5.69	6.86	---	2.35	3.04	4.54	3.49	3.06
17	---	4.51	4.40	3.54	4.55	4.58	---	2.52	3.34	5.14	4.41	3.03
18	---	4.16	4.56	4.16	4.71	3.75	---	2.48	2.90	4.59	4.58	2.93
19	---	7.48	2.86	6.05	3.59	3.41	---	2.56	---	3.57	4.48	3.14
20	---	5.39	2.44	5.56	3.34	3.23	---	2.60	---	5.23	2.91	3.97
21	---	6.55	3.59	5.34	3.12	3.16	---	2.59	2.35	6.43	2.55	3.34
22	---	6.65	6.06	5.24	3.35	3.14	---	2.55	2.37	6.54	2.50	2.76
23	---	5.96	5.65	9.59	3.42	2.92	---	2.53	2.43	6.30	2.45	2.79
24	---	6.04	6.77	13.88	3.38	2.84	---	2.54	2.64	4.52	2.53	3.46
25	---	6.50	3.89	12.88	3.46	3.07	---	2.39	4.29	3.03	2.69	2.91
26	---	5.13	5.46	10.77	2.83	3.73	---	2.37	8.72	5.64	2.65	2.67
27	---	6.21	4.57	8.33	2.80	3.58	---	2.32	11.10	5.76	4.27	3.67
28	---	5.92	6.18	6.53	2.92	3.18	---	2.26	17.79	5.51	3.04	4.43
29	---	4.37	5.15	8.39	---	3.00	---	2.34	22.49	5.94	2.51	4.44
30	---	5.91	4.69	8.18	---	2.99	2.51	2.32	16.67	5.99	3.12	2.95
31	---	---	4.82	15.34	---	2.99	---	2.28	---	4.88	2.83	---
MEAN	---	---	4.93	6.06	6.72	3.74	---	2.49	---	6.46	3.67	3.43
MAX	---	---	6.77	15.34	15.71	7.25	---	2.85	---	17.54	5.93	5.07
MIN	---	---	2.44	2.55	2.80	2.84	---	2.26	---	3.03	2.45	2.44

MOBILE RIVER BASIN

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

LOCATION.--Lat 32°26'23", long 86°11'44", in SE 1/4 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 at river mile 12.8.

DRAINAGE AREA.--4,646 mi².

PERIOD OF RECORD.--October 1995 to current year. October 1972 to September 1995 (gage heights only). August 1966 to December 1970 in files of Geological Survey. May to September 1972 in files of National Weather Service.

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

GAGE.--Water-stage recorder. Datum of gage is 129.13 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Daily discharges can be affected by backwater from the Coosa River. Flow is regulated by Harris Reservoir (station 02412950), Lake Martin (station 02417500), and other hydroelectric plants above station including Yates and Thurlow Dams. 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 gage height, 42.13 ft, Mar. 18, 1990; 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8470	1720	3690	2950	25600	2300	3570	1640	1470	19500	3450	1610
2	7700	1730	3660	1740	23500	2240	3480	1590	1480	19300	2160	2280
3	4410	2410	3730	2180	20700	2230	2930	1540	1460	9920	4800	2390
4	2660	2200	3840	3520	18100	3010	2550	1520	1450	7760	4000	2420
5	2110	2190	3740	5240	14800	3410	2960	1580	1490	3160	2820	1600
6	2940	2010	2840	4950	13600	2950	2850	1690	1450	4980	3560	1470
7	3030	1970	1830	4070	9630	2750	2160	1960	1440	4160	2600	1440
8	2880	1110	4080	3490	6510	3250	2090	2090	1440	5990	1610	3060
9	3520	1360	4080	3200	5500	3590	2020	1970	1700	8410	1600	3060
10	4270	1490	4380	1840	5260	4120	1970	1790	1450	4910	2940	3650
11	2860	2160	5210	2060	7070	4230	1910	1830	1420	3560	3420	2630
12	2030	3340	4050	2810	8700	3900	1810	1700	1500	3070	3090	1980
13	1530	3220	2360	2350	5380	3040	1790	1690	1550	9200	2860	1950
14	1850	1590	2350	1650	3050	5700	1750	1640	1470	7550	3720	2500
15	2000	3040	4540	2380	4060	10200	1780	1590	1590	6470	2550	2370
16	2090	1150	3770	2780	5630	12200	1760	1530	1880	4170	1660	1810
17	1970	1990	3060	2920	3830	9970	2080	1560	2440	4210	2230	1690
18	1230	2570	3250	2300	4350	7100	2120	1580	1940	4060	3230	1540
19	1200	4500	2660	3900	3670	4250	1990	1740	1650	3420	3180	1770
20	2340	5290	1620	4720	3240	3330	1870	1750	1560	2550	2960	1690
21	2630	2940	1720	3910	2830	3100	1980	1650	1500	4750	1500	2590
22	2970	4610	3550	3630	2650	2980	1660	1610	1480	5490	1450	1400
23	2780	3900	4500	6950	2670	2690	1620	1590	1550	5400	1340	1320
24	2780	3990	5150	15700	2650	2470	1600	1610	1670	4850	1720	1220
25	1980	4500	5200	16600	2620	2580	1600	1550	1810	3460	1960	2060
26	1950	3670	2620	12800	2400	4170	1580	1480	6040	2570	1750	1290
27	2560	3540	4390	10300	2130	3940	1880	1480	14500	5810	1630	1300
28	2400	3860	3450	6130	2220	3070	1720	1410	21900	4740	3350	2500
29	2310	3350	5210	6260	---	2580	1630	1430	28000	4430	1610	2430
30	2400	2630	3320	7940	---	2340	1670	1470	26200	4820	1510	2000
31	2310	---	3630	22200	---	2380	---	1460	---	4570	2080	---
TOTAL	88160	84030	111480	173470	212350	126070	62380	50720	136480	187240	78340	61020
MEAN	2844	2801	3596	5596	7584	4067	2079	1636	4549	6040	2527	2034
MAX	8470	5290	5210	22200	25600	12200	3570	2090	28000	19500	4800	3650
MIN	1200	1110	1620	1650	2130	2230	1580	1410	1420	2550	1340	1220
CFSM	.61	.60	.77	1.20	1.63	.88	.45	.35	.98	1.30	.54	.44
IN.	.71	.67	.89	1.39	1.70	1.01	.50	.41	1.09	1.50	.63	.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1999, BY WATER YEAR (WY)

MEAN	5704	5747	9088	11010	15660	16140	6646	3992	4789	4011	3009	2574
MAX	13100	10720	13940	14830	20630	25010	11180	5811	8156	6040	3592	3149
(WY)	1996	1996	1998	1998	1996	1998	1998	1997	1997	1999	1997	1996
MIN	2844	2801	3596	5596	7584	4067	2079	1636	3124	2105	2527	2034
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1996	1996	1999	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1996 - 1999
ANNUAL TOTAL	2923560	1371740	
ANNUAL MEAN	8010	3758	7328
HIGHEST ANNUAL MEAN			9343
LOWEST ANNUAL MEAN			3758
HIGHEST DAILY MEAN	82000	28000	82000
LOWEST DAILY MEAN	1110	1110	256
ANNUAL SEVEN-DAY MINIMUM	1700	1450	1450
INSTANTANEOUS PEAK FLOW		29700	90800
INSTANTANEOUS PEAK STAGE		19.90	34.59
ANNUAL RUNOFF (CFSM)	1.72	.81	1.58
ANNUAL RUNOFF (INCHES)	23.41	10.98	21.43
10 PERCENT EXCEEDS	18800	6180	16800
50 PERCENT EXCEEDS	3990	2620	4140
90 PERCENT EXCEEDS	1620	1510	1650

MOBILE RIVER BASIN

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.40	3.77	5.78	5.11	18.20	4.45	5.71	3.67	3.37	15.44	5.44	3.49
2	8.87	3.79	5.76	3.80	17.29	4.40	5.63	3.61	3.39	15.31	4.10	4.28
3	6.43	4.56	5.82	4.33	16.05	4.39	5.11	3.54	3.36	10.25	6.59	4.39
4	4.83	4.34	5.93	5.61	14.78	5.16	4.73	3.51	3.34	8.80	5.94	4.43
5	4.24	4.32	5.83	7.11	13.13	5.55	5.08	3.60	3.39	5.20	4.85	3.48
6	5.10	4.11	4.97	6.87	12.47	5.12	5.00	3.74	3.34	6.79	5.54	3.31
7	5.18	4.05	3.83	6.14	10.06	4.93	4.31	4.07	3.32	6.11	4.61	3.27
8	5.04	2.93	6.14	5.65	8.07	5.40	4.22	4.21	3.32	7.64	3.49	5.03
9	5.66	3.25	6.13	5.36	7.31	5.73	4.15	4.08	3.65	9.29	3.48	5.01
10	6.31	3.43	6.40	3.92	7.11	6.19	4.08	3.85	3.32	6.73	4.95	5.53
11	5.04	4.26	7.08	4.16	8.44	6.29	4.02	3.90	3.28	5.55	5.40	4.52
12	4.15	5.46	6.09	4.96	9.52	6.00	3.88	3.73	3.38	5.03	5.09	3.80
13	3.53	5.34	4.50	4.48	7.17	5.20	3.87	3.72	3.44	9.86	4.89	3.76
14	3.93	3.57	4.42	3.68	5.21	7.36	3.81	3.65	3.34	8.69	5.67	4.36
15	4.09	5.14	6.55	4.52	6.09	10.49	3.85	3.59	3.49	7.88	4.56	4.22
16	4.20	2.99	5.90	4.95	7.41	11.69	3.83	3.50	3.86	6.11	3.56	3.59
17	4.06	4.08	5.23	5.10	5.94	10.35	4.21	3.53	4.48	6.15	4.22	3.44
18	3.11	4.67	5.41	4.45	6.40	8.47	4.25	3.56	3.92	6.02	5.21	3.24
19	3.07	6.39	4.82	5.98	5.81	6.30	4.11	3.76	3.57	5.43	5.17	3.54
20	4.49	7.14	3.64	6.69	5.41	5.49	3.97	3.77	3.44	4.58	4.95	3.44
21	4.79	5.02	3.76	6.01	5.02	5.28	4.10	3.65	3.36	6.61	3.35	4.45
22	5.14	6.59	5.65	5.76	4.83	5.16	3.70	3.59	3.33	7.19	3.28	3.05
23	4.95	5.97	6.45	8.24	4.85	4.87	3.64	3.56	3.42	7.12	3.12	2.94
24	4.95	6.05	7.00	13.60	4.82	4.64	3.61	3.59	3.57	6.65	3.60	2.80
25	4.10	6.50	7.02	14.03	4.80	4.74	3.62	3.50	3.75	5.46	3.92	3.86
26	4.06	5.72	4.75	12.02	4.56	6.25	3.59	3.40	7.51	4.58	3.68	2.90
27	4.72	5.67	6.38	10.54	4.26	6.04	3.95	3.40	12.95	7.44	3.52	2.92
28	4.55	5.93	5.58	7.79	4.37	5.24	3.78	3.31	16.56	6.58	5.33	4.33
29	4.46	5.41	7.05	7.87	---	4.75	3.66	3.33	19.18	6.33	3.49	4.27
30	4.55	4.77	5.48	9.03	---	4.50	3.71	3.37	18.40	6.65	3.36	3.77
31	4.45	---	5.77	16.60	---	4.54	---	3.37	---	6.42	4.05	---
MEAN	4.89	4.84	5.65	6.91	8.19	5.97	4.17	3.63	5.40	7.35	4.46	3.85
MAX	9.40	7.14	7.08	16.60	18.20	11.69	5.71	4.21	19.18	15.44	6.59	5.53
MIN	3.07	2.93	3.64	3.68	4.26	4.39	3.59	3.31	3.28	4.58	3.12	2.80
CAL YR 1998	MEAN 8.14		MAX 33.82		MIN 2.93							
WTR YR 1999	MEAN 5.43		MAX 19.18		MIN 2.80							

MOBILE RIVER BASIN

02419977 THREE MILE BRANCH AT NORTH BOULEVARD AT MONTGOMERY, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 32°25'20", long 86°15'18", in SW¹/₄ sec. 27, T. 17 N., R. 18 E., Montgomery County, Hydrologic Unit 03150201, on right bank of upstream side of eastbound bridge on North Boulevard, 1.5 mi east of Chisolm, and 2 mi north of Montgomery.
DRAINAGE AREA.--8.79 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.-- December 1998 to present.

GAGE.--Water-stage recorder. Datum of gage is 210 ft above sea level (from topographic map).

NOTE: WATER-DISCHARGE DATA FOR 1999 WATER YEAR WILL BE PUBLISHED IN ALABAMA DATA REPORT WDR AL-2000-1

MOBILE RIVER BASIN

02419977 THREE MILE BRANCH AT NORTH BOULEVARD AT MONTGOMERY, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
	AUG 12...	5.9	.6	26	430	1	<1	.4	.39	130	78
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
	AUG 12...	22	2	18	<1	2	6.4	69	51	28	.28
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
	AUG 12...	.07	2	59	21	15	.14	.80	9	.8	.8
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
	AUG 12...	60	.07	2	21	2	5.6	99	26	2	210
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
	AUG 12...	<1.00	1.60	<1.00	<1.00	3.20	3.40	<5.00	<5.00	<1.00	1.50
DATE	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
	AUG 12...	1.80	<2.00	23.0	2.10	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
	AUG 12...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00065) (00061)		TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	
DATE	TIME	GAGE HEIGHT (FEET) (00065)										
JAN 12...	0915	2.24	3.4	9.4	12.5	764	8.8	77	7.1	7.1	94	
FEB 09...	0930	2.28	4.4	17.2	16.7	761	8.5	88	7.2	7.3	113	
MAR 01...	0900	2.25	4.4	12.8	12.0	752	9.4	90	7.3	7.3	118	
23...	0945	2.24	4.2	14.5	14.5	756	10.1	100	7.4	7.3	113	
25...	1115	6.76	950	15.3	15.0	754	9.8	99	7.6	6.7	57	
APR 08...	0900	2.24	3.5	20.4	20.5	766	7.1	78	7.4	7.2	100	
MAY 18...	0900	2.23	3.2	21.8	23.5	759	7.1	81	7.4	7.2	98	
JUN 16...	0930	2.30	4.6	24.0	27.0	760	6.2	74	7.0	6.7	116	
AUG 26...	1000	2.20	4.2	24.1	25.5	760	7.0	84	6.9	7.4	138	
SEP 27...	1015	2.25	4.4	23.7	26.0	765	5.8	68	6.9	6.4	92	
DATE		SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	NITRO-GEN, DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	
JAN 12...	104	71	39	32	1.5	1.4	.21	.12	.096	<.010	--	
FEB 09...	107	76	45	37	1.4	1.4	.11	.09	.021	.011	1.25	
MAR 01...	114	74	41	34	1.2	1.1	--	--	<.020	.010	.989	
23...	110	73	45	37	.94	.91	--	--	<.020	.011	.783	
25...	66	39	16	13	2.5	1.3	1.6	.40	.393	.018	.473	
APR 08...	105	72	45	37	.87	.80	--	--	<.020	.019	.638	
MAY 18...	103	70	44	36	.64	--	.16	--	.038	.010	.425	
JUN 16...	119	91	49	42	1.2	.99	.41	.25	.024	.011	.714	
AUG 26...	135	85	52	42	1.4	1.3	.25	.20	.057	<.010	--	
SEP 27...	100	76	33	27	1.4	1.1	--	--	<.020	.019	.499	
DATE		NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JAN 12...	.22	.31	1.19	.04	.047	.017	.014	1.2	.20	11	1.7	
FEB 09...	.11	.13	1.26	--	.021	.006	<.010	1.3	<.20	13	1.9	
MAR 01...	.12	.22	.999	--	.027	.005	<.010	1.8	.20	13	1.7	
23...	.12	.14	.794	--	.018	.007	<.010	1.2	<.20	13	1.8	
25...	.79	2.0	.491	.36	.521	.143	.117	7.3	>4.0	6.7	.62	
APR 08...	.14	.21	.657	--	.024	.008	<.010	1.3	.40	12	1.7	
MAY 18...	E.10	.20	.435	.08	.029	.008	.026	1.6	.30	12	1.8	
JUN 16...	.27	.44	.725	.05	.056	.019	.016	5.6	.40	15	1.9	
AUG 26...	.25	.31	1.04	.13	.214	.150	.042	2.6	.30	16	2.1	
SEP 27...	.55	.91	.518	--	.105	.024	<.010	15	.90	12	1.3	

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
JAN 12...	4.0	.3	19	2.0	5.1	4.0	<.10	13	95	62
FEB 09...	3.7	.3	16	1.8	5.2	5.0	<.10	12	86	83
MAR 01...	3.5	.2	15	1.9	5.1	4.2	<.10	11	91	122
23...	3.8	.3	16	1.6	4.8	4.0	<.10	12	110	103
25...	.75	.1	7	2.1	5.0	7.2	<.10	1.4	54	19
APR 08...	3.7	.3	17	1.7	4.6	3.8	<.10	13	140	94
MAY 18...	3.6	.3	16	1.5	5.0	2.8	<.10	15	130	81
JUN 16...	3.5	.2	14	2.0	4.5	4.0	<.10	11	190	261
AUG 26...	5.3	.3	18	2.2	6.2	6.4	<.10	14	470	200
SEP 27...	2.6	.2	13	4.0	2.9	6.2	<.10	5.1	110	100

VOLATILE ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	BROMO- FORM TOTAL (UG/L) (32104)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	CHLORO- FORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	ACRYLO- NITRILE TOTAL (UG/L) (34215)	CHLORO- BENZENE TOTAL (UG/L) (34301)
JAN 12...	<.050	<.048	E.030	<.130	<.100	<.180	.197	.106	E.012	<1.20	<.028
FEB 09...	<.050	<.048	E.021	<.130	<.100	<.180	.142	E.064	<.100	<1.20	<.028
MAR 01...	<.050	<.048	E.025	<.130	<.100	<.180	.152	.113	<.100	<1.20	<.028
23...	<.050	<.048	E.028	<.130	<.100	<.180	.151	E.091	E.012	<1.20	<.028
25...	<.050	<.048	<.088	<.130	<.100	<.180	E.012	E.076	E.016	<1.20	<.028
APR 08...	<.050	<.048	E.024	<.130	<.100	<.180	.137	.140	<.100	<1.20	<.028
JUN 16...	<.100	<.096	<.176	<.260	<.200	<.360	E.119	E.145	<.200	<2.40	<.056
AUG 26...	<.050	<.048	<.088	<.130	<.100	<.180	.147	E.099	<.100	<1.20	<.028

DATE	CHLORO- ETHANE TOTAL (UG/L) (34311)	ETHYL- BENZENE TOTAL (UG/L) (34371)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)
JAN 12...	<.120	<.030	<.360	<.150	<.250	<.380	E.085	<.090	<.066	E.016	E.019
FEB 09...	<.120	<.030	<.360	<.150	<.250	<.380	E.058	<.090	<.066	E.019	E.015
MAR 01...	<.120	<.030	<.360	<.150	<.250	<.380	E.072	<.090	<.066	E.015	E.016
23...	<.120	<.030	<.360	<.150	<.250	<.380	E.063	<.090	<.066	E.015	E.014
APR 08...	<.120	<.030	<.360	<.150	<.250	<.380	E.063	<.090	<.066	<.044	E.014
JUN 16...	<.240	<.060	<.720	<.300	<.500	<.760	E.061	<.180	<.132	<.088	<.064
AUG 26...	<.120	<.030	<.360	<.150	<.250	<.380	E.068	<.090	<.066	<.044	<.032

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VOLATILE ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	NAPHTH- ALENE TOTAL (UG/L) (34696)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)
JAN 12...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
FEB 09...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
MAR 01...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
23...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
25...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	E.073	<.130
APR 08...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
JUN 16...	<.128	<.260	<.096	<.136	<.064	<.380	<.108	<.100	<.280	<.500	<.260
AUG 26...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
DATE	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)
JAN 12...	<.090	<.110	E.010	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
FEB 09...	<.090	<.110	<.038	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
MAR 01...	<.090	<.110	<.038	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
23...	<.090	<.110	<.038	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
25...	<.090	<.110	<.038	<.140	<1.40	<.230	E.009	<.100	<.054	<.110	<.700
APR 08...	<.090	<.110	E.009	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
JUN 16...	<.180	<.220	<.076	<.280	<2.80	<.460	<.400	<.200	<.108	<.220	<1.40
AUG 26...	<.090	<.110	<.038	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
DATE	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CIS-1,2 -DI- CHLORO- ETHENE WATER WHOLE TOTAL (UG/L) (77093)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	STYRENE TOTAL (UG/L) (77128)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	1,1-DI CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	2,2-DI CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	1,3-DI- CHLORO- PROPANE WAT, WH TOTAL (UG/L) (77173)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)
JAN 12...	<.280	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120	<.100	<.120
FEB 09...	<.280	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120	<.100	<.120
MAR 01...	<.280	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120	<.100	<.120
23...	<.280	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120	<.100	<.120
25...	<.280	<.370	<.038	<.700	E.010	E.016	<.026	<.078	<.120	E.009	E.013
APR 08...	<.280	<.370	<.038	<.700	E.015	<.060	<.026	<.078	<.120	<.100	<.120
JUN 16...	<.560	<.740	<.076	<1.40	E.011	<.120	<.052	<.156	<.240	<.200	<.240
AUG 26...	<.280	<.370	<.038	<.700	E.011	<.060	<.026	<.078	<.120	<.100	<.120

MOBILE RIVER BASIN

02419977 THREE MILE BRANCH AT NORTH BOULEVARD AT MONTGOMERY, AL--Continued
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VOLATILE ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	BENZENE 124-TRI METHYL UNFLT RECOVER (UG/L) (77222)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLT REC (UG/L) (77224)	BENZENE 135-TRI METHYL WATER UNFLT REC (UG/L) (77226)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLT REC (UG/L) (77277)	METHANE BROMO CHLORO- WAT UNFLT REC (UG/L) (77297)	BENZENE N-BUTYL WATER UNFLT REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLT REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLT REC (UG/L) (77353)
JAN 12...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100
FEB 09...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100
MAR 01...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100
23...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100
25...	E.033	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100
APR 08...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100
JUN 16...	<.112	<.064	<.084	<.088	<.084	<.112	<.088	<.380	<.096	<.200
AUG 26...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100
DATE	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	METHYL IODIDE WATER UNFLT RECOVER (UG/L) (77424)	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	FREON- 113 WATER UNFLT REC (UG/L) (77652)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	PROPENE 3- CHLORO- WATER UNFLT RECOVER (UG/L) (78109)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)
JAN 12...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	E.077	<.200	<.370
FEB 09...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	<.170	<.200	<.370
MAR 01...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	<.170	<.200	<.370
23...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	E.045	<.200	<.370
25...	E.016	<.210	<.160	<.044	<.270	<.036	<.032	<.170	<.200	<.370
APR 08...	E.006	<.210	<.160	<.044	<.270	<.036	<.032	<.170	<.200	<.370
JUN 16...	<.220	<.420	<.320	<.088	<.540	<.072	<.064	<.340	<.400	<.740
AUG 26...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	<.170	<.200	<.370
DATE	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	ETHER ETHYL WATER UNFLT RECOVER (UG/L) (81576)	DI-ISO- PROPYL- ETHER, WATER, UNFLT RECOVER (UG/L) (81577)	METH- ACRYLO- NITRITE WATER UNFLT RECOVER (UG/L) (81593)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	METHAC- RYLATE METHYL WATER UNFLT RECOVER (UG/L) (81597)	FURAN, TETRA- HYDRO- WATER UNFLT RECOVER (UG/L) (81607)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	META/ PARA- XYLENE WATER UNFLT REC (UG/L) (85795)
JAN 12...	<5.00	<.036	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
FEB 09...	<5.00	<.036	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
MAR 01...	<5.00	<.036	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
23...	<5.00	<.036	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	E.012
25...	12.2	<.036	<.170	<.098	<.570	E1.39	<.350	<9.00	<.210	E.028
APR 08...	<5.00	<.036	<.170	<.098	<.570	<1.60	<.350	E.234	<.210	<.060
JUN 16...	<10.0	<.072	<.340	<.196	<1.14	<3.20	<.700	<18.0	<.420	<.120
AUG 26...	<5.00	<.036	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060

MOBILE RIVER BASIN
02419977 THREE MILE BRANCH AT NORTH BOULEVARD AT MONTGOMERY, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P.P' DDE DISSOLV (UG/L) (34653)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)
FEB 09...	<.0070	<.0020	--	.0207	<.0180	E.0040	<.0040	<.0030	<.0020	<.0060	--
MAR 25...	<.0070	<.0020	<2.72	.544	<.0180	E.0838	<.0040	<.0030	<.0020	<.0060	<.0350
APR 08...	<.0070	<.0020	--	.0072	<.0180	E.0074	<.0040	<.0030	<.0020	<.0060	--
MAY 18...	<.0070	<.0020	--	.0119	<.0180	E.0068	<.0040	<.0030	<.0020	<.0060	--
JUN 16...	<.0070	<.0020	--	.129	.0186	E.0081	<.0040	<.0030	<.0020	<.0060	--
AUG 26...	<.0070	<.0020	--	<.0200	.0238	E.0059	<.0040	<.0030	<.0020	<.0060	--

DATE	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)
MAR 25...	<.0180	1.59	<.140	<.110	<.170	<.0140	<.240	<.250	<.0180	.0680	<.004
APR 08...	--	--	--	--	--	--	--	--	--	.0049	<.004
MAY 18...	--	--	--	--	--	--	--	--	--	.0279	<.004
JUN 16...	--	--	--	--	--	--	--	--	--	.0192	<.004
AUG 26...	--	--	--	--	--	--	--	--	--	.0106	<.004
SEP 27...	--	--	--	--	--	--	--	--	--	--	--

DATE	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THON, DIS- SOLVED (UG/L) (39532)	PARA- THON, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4,5-T DIS- SOLVED (UG/L) (39742)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)
FEB 09...	.019	.005	<.005	<.004	E.003	.039	--	--	--	<.002	--
MAR 25...	<.001	.012	.076	<.004	.364	1.40	10.2	<.0350	<.0210	<.002	<.250
APR 08...	.022	.006	.014	<.004	.012	.038	--	--	--	<.002	--
MAY 18...	.013	.005	.027	<.004	.034	.027	--	--	--	<.002	--
JUN 16...	.019	.006	.394	<.004	.114	.097	--	--	--	<.002	--
AUG 26...	.014	.006	.293	<.004	.025	.013	--	--	--	<.002	--

MOBILE RIVER STUDY UNIT

02419977 THREE MILE BRANCH AT NORTH BOULEVARD AT MONTGOMERY, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	ACETO- CHLOR, WATER, FLTRD, GF 0.7U REC (UG/L) (49260)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)
FEB 09...	--	<.0020	--	--	--	--	--	--	--	--	--
MAR 25...	<.140	<.0020	<.0500	<.370	<.530	<.140	<.0170	<1.02	E.310	<.0200	<.0350
APR 08...	--	<.0020	--	--	--	--	--	--	--	--	--
MAY 18...	--	<.0020	--	--	--	--	--	--	--	--	--
JUN 16...	--	<.0020	--	--	--	--	--	--	--	--	--
AUG 26...	--	<.0020	--	--	--	--	--	--	--	--	--

DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	3HYDRXY CARBO- FURAN, WAT,FLT GF 0.7U REC (UG/L) (49308)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)
MAR 25...	<.260	<1.20	<.0170	<.230	<.480	<.420	<.130	<.840	<.0080	<.0350	<3.48

DATE	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THON WAT FLT 0.7 U GF, REC (UG/L) (82667)
FEB 09...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
MAR 25...	<.100	<.0210	<.0350	<.004	<.0030	E.0027	<.0040	<.0020	<.0070	<.0020	<.0060
APR 08...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
MAY 18...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
JUN 16...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
AUG 26...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060

DATE	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
FEB 09...	<.0020	<.0040	.0449	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
MAR 25...	<.0020	<.0040	<.0100	<.0040	<.0030	E.0030	<.0030	<.0130	<.0030	<.0170
APR 08...	<.0020	<.0040	.0438	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
MAY 18...	<.0020	<.0040	.0474	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
JUN 16...	<.0020	<.0040	.0497	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
AUG 26...	<.0020	<.0040	.0696	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170

MOBILE RIVER BASIN

02419977 THREE MILE BRANCH AT NORTH BLVD AT MONTGOMERY, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
FEB 09...	<.0010	<.0040	<.0030	<.0020	<.0020	.0147	<.0030	<.0130	<.0010	<.0050
MAR 25...	<.0010	<.0040	E.0507	<.0020	<.0020	.284	<.0030	<.0130	<.0010	<.0050
APR 08...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
MAY 18...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0120	<.0030	<.0130	<.0010	<.0050
JUN 16...	<.0010	<.0040	E.0171	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
AUG 26...	<.0010	<.0040	E.0047	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 12...	3.4	2	.02	58
FEB 09...	4.4	1	.01	83
MAR 01...	4.4	3	.04	74
MAR 23...	4.2	4	.05	72
MAR 25...	950	1940	4980	16
APR 08...	3.5	4	.04	77
MAY 18...	3.2	4	.03	71
JUN 16...	4.6	7	.09	66

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

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

LOCATION.--Lat 32°23'31", long 86°19'04", in SE¹/₄NE¹/₄SW¹/₄ sec. 1, T. 16 N., R. 17 E., Montgomery County, Hydrologic Unit 03150201, on left bank of river in an abandoned pumping station of the Riverview Manufacturing at 715 Shady St., in Montgomery, 9.3 mi upstream from U.S. Highway 31 bridge, and at mile 296.9.

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.--Water-stage recorder. Datum of gage is 103.30 ft above sea level. 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.

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, 32.13 ft, Feb. 1; minimum gage height, 20.13 ft, Nov. 23.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY OBSERVATION AT 07:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.74	21.93	22.11	21.51	32.13	21.42	22.81	22.30	22.37	29.15	21.94	21.80
2	22.29	21.71	22.36	20.56	31.48	22.38	22.82	21.52	21.95	25.97	22.18	21.74
3	21.52	21.72	22.01	21.41	29.46	22.46	22.31	21.46	21.93	23.28	22.11	21.78
4	21.72	21.94	21.74	22.53	28.01	22.76	21.85	21.50	22.07	24.33	21.67	21.62
5	21.35	22.08	22.27	22.84	26.86	22.84	21.53	21.55	22.26	21.80	22.07	21.81
6	21.68	22.28	21.98	20.84	26.08	22.56	22.36	21.93	22.15	22.08	22.00	21.51
7	21.90	22.09	21.98	21.66	25.69	23.82	21.86	22.81	22.18	22.24	21.83	21.58
8	22.18	21.87	21.81	22.13	22.70	23.04	22.58	23.01	22.21	22.49	21.71	21.42
9	21.94	21.69	22.59	22.61	21.14	22.57	21.48	23.44	22.29	22.35	21.76	21.68
10	21.89	21.86	22.35	21.66	21.88	23.05	21.83	23.10	22.02	22.15	21.76	21.79
11	22.36	22.41	21.82	21.75	24.15	22.52	21.38	21.92	22.41	22.04	22.01	21.87
12	22.36	22.44	22.02	21.85	24.85	21.78	21.88	21.14	21.98	22.53	22.06	21.67
13	21.95	21.97	22.17	21.77	22.31	22.72	21.77	20.41	21.96	24.28	21.74	21.64
14	21.45	22.01	22.31	21.80	22.03	25.00	21.41	22.52	21.84	24.77	21.95	21.50
15	21.32	22.26	21.66	22.96	22.50	25.24	21.34	22.03	21.87	23.57	21.82	21.42
16	21.46	22.40	21.56	21.63	21.94	24.78	21.55	21.67	21.99	22.45	21.88	21.62
17	21.32	21.78	21.94	22.17	21.63	23.90	21.82	21.69	21.90	22.77	21.78	21.75
18	21.84	21.54	22.02	21.57	23.12	23.49	22.15	21.67	21.90	21.96	21.72	21.73
19	22.24	21.82	21.81	21.34	23.53	22.78	22.33	21.95	22.07	22.29	21.85	21.59
20	21.76	22.59	21.66	22.22	24.22	22.16	22.20	22.35	21.79	22.03	21.86	21.68
21	21.63	22.38	21.38	22.46	22.86	21.62	21.69	22.37	21.38	21.48	21.63	21.76
22	21.53	21.88	21.62	22.18	22.39	22.60	21.47	22.37	20.84	22.30	21.45	21.80
23	21.47	20.13	22.48	22.45	22.20	22.23	21.57	22.15	20.90	21.68	21.39	21.66
24	21.56	21.78	22.58	25.93	21.81	22.28	21.77	22.25	22.04	20.33	21.63	21.53
25	21.66	22.32	23.96	26.66	21.88	22.58	21.93	21.95	21.92	22.51	21.89	21.35
26	21.56	22.58	23.91	27.14	22.41	22.53	22.06	21.94	21.71	21.37	21.91	21.28
27	21.67	22.47	22.45	25.67	22.50	22.36	21.88	21.84	23.54	22.14	22.07	21.22
28	21.62	22.36	22.34	25.14	22.44	22.25	21.69	21.68	27.13	22.29	22.03	21.53
29	21.50	22.09	22.92	24.15	---	21.96	22.18	21.77	28.67	22.30	22.02	22.07
30	21.50	21.93	22.20	24.42	---	22.29	22.07	22.06	29.05	22.41	21.89	21.88
31	21.88	---	21.20	28.29	---	21.78	---	22.37	---	22.25	21.73	---
MEAN	21.77	22.01	22.17	22.95	24.08	22.77	21.92	22.02	22.61	22.76	21.85	21.64
MAX	22.74	22.59	23.96	28.29	32.13	25.24	22.82	23.44	29.05	29.15	22.18	22.07
MIN	21.32	20.13	21.20	20.56	21.14	21.42	21.34	20.41	20.84	20.33	21.39	21.22
CAL YR 1998	MEAN 23.60		MAX 42.94		MIN 20.13							
WTR YR 1999	MEAN 22.37		MAX 32.13		MIN 20.13							

MOBILE RIVER BASIN

02421000 CATOMA CREEK NEAR MONTGOMERY, AL

LOCATION.--Lat 32°18'26", long 86°17'58", in SE¹/₄NW¹/₄ sec. 6, T. 15 N., R. 18 E., Montgomery County, Hydrologic Unit 03150201, on right bank on downstream side of bridge on old U.S. Highway 331, 5 mi south of Montgomery, and at mile 16.1.

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.--WSP 2106: 1966. WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 151.02 ft above sea level.

REMARKS.--Estimated daily discharges: Dec. 11 to Jan. 24, Aug. 14-23, Aug. 28 to Sept. 27. 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.

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3980	5.6	6.9	e12	4190	62	742	33	91	935	40	e4.5
2	3230	5.5	6.3	e11	3440	71	839	23	45	628	37	e9.0
3	1130	4.9	5.8	e60	1760	87	315	22	32	382	32	e6.0
4	171	4.6	5.1	e210	436	109	161	16	31	110	30	e4.5
5	98	4.0	7.1	e175	318	134	109	25	99	73	28	e3.5
6	73	3.8	5.4	e115	261	196	88	156	84	50	27	e2.7
7	83	4.1	5.6	e65	166	340	73	115	89	55	27	e2.2
8	74	4.0	25	e42	124	261	63	164	67	108	26	e1.9
9	57	4.4	17	e32	105	729	57	75	39	322	25	e1.7
10	56	21	5.0	e38	98	1060	52	45	42	140	24	e1.5
11	48	34	e19	e30	88	585	48	32	37	122	80	e1.2
12	37	11	e18	e41	80	220	42	39	139	182	67	e1.0
13	31	5.6	e15	e33	67	266	34	108	60	273	38	e.90
14	25	5.1	e13	e31	55	2120	29	82	25	318	e23	e.87
15	21	12	e11	e31	48	2890	154	35	30	437	e12	e.85
16	18	33	e10	e27	44	3230	576	19	121	456	e9.0	e.80
17	15	16	e9.5	e23	47	1630	611	12	107	641	e7.0	e.72
18	13	13	e9.0	e23	345	293	223	209	38	658	e6.5	e.63
19	13	12	e8.5	e17	375	178	86	295	21	404	e6.0	e.57
20	11	11	e8.0	e16	231	129	62	118	16	129	e24	e30
21	10	8.3	e7.5	e15	128	226	50	69	12	80	e18	e12
22	9.3	6.7	e6.9	e14	92	236	42	40	40	54	e10	e.50
23	8.3	8.4	e50	e600	73	178	35	25	46	48	e40	e3.8
24	7.1	11	e100	e2000	63	120	32	18	317	57	105	e2.2
25	6.9	6.3	e60	e850	55	614	28	13	60	1120	50	e1.6
26	6.7	6.2	e35	287	52	1260	23	9.4	319	656	51	e1.2
27	6.2	6.2	e24	126	51	555	47	114	1680	178	36	e8.0
28	5.9	8.0	e21	86	78	212	69	87	3520	103	e26	2.0
29	5.4	8.6	e24	66	---	126	55	62	3460	74	e18	.66
30	5.8	7.7	e15	982	---	99	46	109	2090	60	e10	.46
31	6.2	---	e13	3500	---	160	---	154	---	49	e6.5	---
TOTAL	9261.8	292.0	566.6	9558	12870	18376	4791	2323.4	12757	8902	939.0	107.46
MEAN	299	9.73	18.3	308	460	593	160	74.9	425	287	30.3	3.58
MAX	3980	34	100	3500	4190	3230	839	295	3520	1120	105	30
MIN	5.4	3.8	5.0	11	44	62	23	9.4	12	48	6.0	.46
CFSM	1.03	.03	.06	1.06	1.58	2.04	.55	.26	1.47	.99	.10	.01
IN.	1.19	.04	.07	1.23	1.65	2.36	.61	.30	1.64	1.14	.12	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1999, BY WATER YEAR (WY)

	MEAN	86.1	146	409	605	948	983	561	236	156	139	72.4	117
MAX	867	1007	1643	1435	4094	2479	2665	1505	2417	1710	566	958	
(WY)	1976	1993	1954	1990	1961	1990	1964	1978	1989	1994	1984	1975	
MIN	.000	.000	.33	.95	92.6	31.3	19.4	6.95	5.93	2.02	.11	.000	
(WY)	1955	1955	1956	1956	1968	1955	1967	1965	1954	1952	1954	1954	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1952 - 1999

ANNUAL TOTAL	140822.38	80744.26	
ANNUAL MEAN	386	221	369
HIGHEST ANNUAL MEAN			778
LOWEST ANNUAL MEAN			103
HIGHEST DAILY MEAN	15500	4190	39500
LOWEST DAILY MEAN	.48	.46	.00
ANNUAL SEVEN-DAY MINIMUM	.76	.76	.00
INSTANTANEOUS PEAK FLOW		4400	49100
INSTANTANEOUS PEAK STAGE		17.17	29.78
ANNUAL RUNOFF (CFSM)	1.33	.76	1.27
ANNUAL RUNOFF (INCHES)	18.06	10.36	17.29
10 PERCENT EXCEEDS	906	445	911
50 PERCENT EXCEEDS	25	42	41
90 PERCENT EXCEEDS	2.4	5.4	1.8

e Estimated

MOBILE RIVER BASIN

02421115 PINTLALLA CREEK AT LIBERTY CHURCH ROAD NEAR PINTLALLA, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 32°09'10", long 86°21'13", in NW¹/₄ sec. 34, T. 14 N., R. 17 E., Montgomery County, Hydrologic Unit 03150201, on downstream side of bridge on Liberty Church Road, 2 mi southeast of Pintlalla.
DRAINAGE AREA.--59.3 mi².

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 225 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges: Oct. 1 to Nov. 4. Records good except for estimated period, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e325	e3.6	3.4	4.3	591	24	105	7.2	22	174	3.0	.88
2	e74	e3.5	3.4	4.7	119	17	51	6.0	16	56	2.6	1.8
3	e52	e3.4	3.8	32	65	24	33	5.1	11	32	2.3	1.1
4	e39	e3.4	3.5	19	67	34	25	4.5	8.0	22	2.1	.84
5	e27	3.5	3.3	11	66	21	22	4.2	6.4	18	1.9	.68
6	e23	3.3	3.5	7.5	40	71	19	13	37	15	1.8	.62
7	e32	3.1	3.5	6.7	33	86	17	92	18	14	1.8	.57
8	e71	3.0	3.7	6.7	30	35	16	23	9.0	18	1.6	.51
9	e40	2.8	4.0	7.1	26	185	15	13	6.0	15	1.5	.39
10	e32	3.1	4.8	19	23	135	13	8.4	4.7	12	3.0	.38
11	e24	3.9	4.2	13	23	48	11	6.3	3.9	16	5.2	.42
12	e17	13	3.7	8.9	20	32	10	5.1	5.0	32	2.3	.43
13	e14	6.4	3.9	7.6	17	51	8.4	4.5	6.1	25	1.6	.35
14	e12	4.3	6.0	7.2	16	1220	7.7	4.7	7.5	383	1.2	.30
15	e11	6.3	5.5	7.4	16	689	294	4.8	4.9	143	.93	.27
16	e8.1	15	4.4	6.7	18	87	500	3.7	5.8	38	.75	.19
17	e7.8	10	3.9	6.0	19	55	54	3.3	11	275	.64	.16
18	e7.4	7.3	3.6	5.8	79	43	29	3.5	10	67	.69	.13
19	e8.1	5.5	3.4	6.4	48	35	20	41	5.0	80	.55	.12
20	e7.2	4.4	3.2	5.3	32	30	16	15	3.3	27	.59	.26
21	e4.7	3.9	3.4	5.0	24	80	14	6.8	2.4	17	.61	.44
22	e6.3	4.2	3.8	4.9	20	61	11	4.5	2.0	13	.62	.32
23	e5.1	4.0	4.0	270	17	36	9.5	3.5	2.8	13	7.4	.26
24	e5.0	6.1	5.1	168	17	28	8.7	3.0	5.8	10	13	.19
25	e4.9	8.2	10	41	16	85	8.4	2.9	34	9.0	11	.16
26	e4.8	6.1	9.8	26	15	82	8.1	7.5	29	7.8	5.2	.13
27	e4.6	5.1	8.1	20	14	39	7.3	500	191	6.3	4.1	.08
28	e4.4	4.5	6.8	17	20	28	11	156	1610	5.3	2.9	.06
29	e4.0	4.1	5.8	15	---	26	9.7	26	629	4.5	1.5	.06
30	e4.0	3.9	5.7	152	---	22	7.6	239	78	4.4	1.1	.05
31	e3.8	---	5.0	1090	---	25	---	44	---	3.8	1.2	---
TOTAL	883.2	158.9	146.2	2001.2	1491	3434	1361.4	1261.5	2784.6	1556.1	84.68	12.15
MEAN	28.5	5.30	4.72	64.6	53.2	111	45.4	40.7	92.8	50.2	2.73	.41
MAX	325	15	10	1090	591	1220	500	500	1610	383	13	1.8
MIN	3.8	2.8	3.2	4.3	14	17	7.3	2.9	2.0	3.8	.55	.05
CFSM	.48	.09	.08	1.09	.90	1.87	.77	.69	1.57	.85	.05	.01
IN.	.55	.10	.09	1.26	.94	2.15	.85	.79	1.75	.98	.05	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	28.5	5.30	4.72	64.6	53.2	111	45.4	40.7	92.8	50.2	2.73	.41
MAX	28.5	5.30	4.72	64.6	53.2	111	45.4	40.7	92.8	50.2	2.73	.41
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	28.5	5.30	4.72	64.6	53.2	111	45.4	40.7	92.8	50.2	2.73	.41
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999

SUMMARY STATISTICS

FOR 1999 WATER YEAR

ANNUAL TOTAL	15174.93
ANNUAL MEAN	41.6
HIGHEST DAILY MEAN	1610
LOWEST DAILY MEAN	.05
ANNUAL SEVEN-DAY MINIMUM	.10
INSTANTANEOUS PEAK FLOW	2500
INSTANTANEOUS PEAK STAGE	15.11
ANNUAL RUNOFF (CFSM)	.70
ANNUAL RUNOFF (INCHES)	9.52
10 PERCENT EXCEEDS	69
50 PERCENT EXCEEDS	7.6
90 PERCENT EXCEEDS	1.0

e Estimated

MOBILE RIVER BASIN

02421115 PINTLALLA CREEK AT LIBERTY CHURCH ROAD NEAR PINTLALLA, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180U WS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 13...	8.6	.4	24	390	2	<1	.1	.74	110	170	12
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NIUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 13...	24	2	27	<1	1	6.3	59	26	97	.63	1400
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 13...	.04	3	52	33	16	.16	1.1	14	1.1	.7	.10
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LIUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
AUG 13...	100	.07	2	19	3	5.8	140	22	2	130	
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
AUG 13...	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00
DATE	P, P'- DDE, BM SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, BM SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, BM SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, BM SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, BM SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, BM SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
AUG 13...	<1.00	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 13...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

MOBILE RIVER BASIN

02421115 PINTLALLA CREEK AT LIBERTY CHURCH ROAD NEAR PINTLALLA, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
JAN 08...	0900	4.13	6.9	6.8	14.6	759	9.5	78	7.7	7.6	222
FEB 09...	1315	4.58	25	16.6	25.7	759	8.8	91	7.8	7.5	213
MAR 01...	1200	4.51	23	14.2	15.5	750	9.7	96	8.1	7.6	220
MAR 14...	1345	13.58	1260	11.6	12.9	743	8.3	78	7.3	7.2	70
APR 08...	1115	4.36	16	21.3	25.0	754	7.2	82	8.2	7.8	218
APR 16...	1340	12.02	605	17.9	--	756	6.7	71	7.1	7.2	96
MAY 21...	1215	4.12	6.5	21.1	26.5	754	6.6	75	7.4	7.5	146
JUN 16...	1415	4.08	5.5	24.2	26.0	759	6.1	73	7.9	7.4	195
JUL 26...	1000	4.21	8.6	25.2	28.0	761	5.9	72	7.6	7.8	212
AUG 25...	1000	4.24	11	24.2	27.0	759	6.4	76	6.6	7.3	106
SEP 14...	0940	3.63	.32	21.2	23.0	759	4.4	50	7.2	7.5	205

DATE	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)
JAN 08...	223	137	98	80	--	--	--	--	<.020	<.010	--
FEB 09...	212	140	89	73	--	--	--	--	<.020	<.010	--
MAR 01...	220	136	84	69	--	--	--	--	<.020	<.010	--
MAR 14...	70	68	22	18	.94	.63	--	--	<.020	<.010	--
APR 08...	231	146	99	81	.55	.44	.42	.31	.028	<.010	--
APR 16...	95	85	36	29	1.0	.76	.91	.63	.020	<.010	--
MAY 21...	155	100	67	55	.68	.52	.46	.30	.133	.018	.071
JUN 16...	204	130	103	85	.64	.47	.42	.24	.056	<.010	--
JUL 26...	214	133	108	89	.53	.47	--	--	<.020	<.010	--
AUG 25...	103	78	38	31	1.3	1.0	.84	.59	.066	.015	.337
SEP 14...	202	112	105	86	--	--	--	--	<.020	<.010	--

MOBILE RIVER BASIN
02421115 PINTLALLA CREEK AT LIBERTY CHURCH ROAD NEAR PINTLALLA, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JAN 08...	.23	.32	<.050	--	.051	.010	<.010	6.0	.20	34	2.1
FEB 09...	.28	.38	<.050	--	.065	.017	<.010	6.7	.20	33	2.0
MAR 01...	.24	.39	<.050	--	.059	.011	<.010	5.8	.60	33	2.0
MAR 14...	.55	.86	.086	.21	.206	.089	.070	12	3.5	9.7	.88
APR 08...	.34	.45	.103	.04	.061	.019	.014	6.9	.40	36	2.2
APR 16...	.65	.93	.115	.30	.194	.137	.097	16	2.8	13	1.1
MAY 21...	.43	.59	.089	.08	.112	.037	.027	9.4	.70	22	1.5
JUN 16...	.30	.47	.169	.09	.083	.025	.030	6.6	.60	32	2.1
JUL 26...	.32	.37	.155	.05	.070	.020	.015	7.0	.60	36	2.1
AUG 25...	.66	.90	.352	1.0	.502	.365	.329	11	2.0	13	1.1
SEP 14...	.29	.39	<.050	.04	.072	.020	.012	6.3	.20	33	2.3

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
JAN 08...	5.2	.2	11	1.7	6.6	18	.11	7.7	55	11
FEB 09...	4.7	.2	10	1.4	6.7	18	<.10	8.4	98	23
MAR 01...	5.4	.2	11	1.3	8.2	17	.10	6.1	61	15
MAR 14...	1.7	.1	11	1.8	3.1	3.7	<.10	3.5	290	28
APR 08...	4.9	.2	10	1.4	7.3	14	.14	7.1	120	22
APR 16...	2.2	.2	10	2.8	4.2	6.4	<.10	4.7	540	18
MAY 21...	3.8	.2	11	2.3	5.2	9.2	.15	6.4	100	26
JUN 16...	4.8	.2	10	1.9	4.7	6.7	.14	8.2	21	24
JUL 26...	4.4	.2	9	1.8	3.8	8.2	<.10	9.9	44	25
AUG 25...	2.7	.2	11	5.4	3.7	6.2	<.10	4.8	170	20
SEP 14...	4.1	.2	9	2.4	4.8	5.4	.17	6.7	17	55

MOBILE RIVER BASIN

02421115 PINTLALLA CREEK AT LIBERTY CHURCH ROAD NEAR PINTLALLA, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)
	FEB 09...	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020	<.0060	<.0040	<.004
APR 08...	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020	<.0060	<.0040	<.004	<.001
MAY 21...	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020	<.0060	<.0040	<.004	<.001
DATE	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
FEB 09...	<.002	<.005	<.004	<.002	<.001	<.002	<.0020	<.004	<.0030	<.0020	<.0040	<.0020
APR 08...	<.002	<.005	<.004	<.002	<.001	<.002	<.0020	<.004	<.0030	<.0020	<.0040	<.0020
MAY 21...	<.002	<.005	<.004	<.002	.006	<.002	<.0020	<.004	<.0030	<.0020	<.0040	<.0020
DATE	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
FEB 09...	<.0070	<.0020	<.0060	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030
APR 08...	<.0070	<.0020	<.0060	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030
MAY 21...	<.0070	<.0020	<.0060	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030
DATE	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	
FEB 09...	<.0170	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
APR 08...	<.0170	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
MAY 21...	<.0170	<.0010	<.0040	E.0041	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	

MOBILE RIVER BASIN

02421115 PINTLALLA CREEK AT LIBERTY CHURCH ROAD NEAR PINTLALLA, AL--Continued
(National Water-Quality Assessment Station)

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 08...	6.9	10	.19	86
FEB 09...	25	18	1.2	88
MAR 01...	23	15	.92	88
14...	1260	100	339	64
APR 08...	16	10	.43	89
16...	605	53	87	85
MAY 21...	6.5	65	1.1	99
JUN 16...	5.5	14	.21	83

MOBILE RIVER BASIN

02422500 MULBERRY CREEK AT JONES, AL

LOCATION.--Lat 32°34'58", long 86°54'13", in NW 1/4 SE 1/4 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 sea level. Prior to June 2, 1939, nonrecording gage at site 50 ft upstream 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.

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	79	99	135	1600	199	668	86	114	802	100	66
2	125	78	99	216	856	144	385	69	79	416	96	64
3	99	82	99	524	622	259	308	60	66	282	95	64
4	93	86	100	270	541	239	260	56	60	208	98	69
5	94	85	100	181	423	161	230	63	58	169	92	77
6	91	84	101	161	346	288	211	94	61	152	89	81
7	100	84	102	161	311	322	225	175	52	335	86	76
8	190	98	113	176	283	194	200	108	44	371	84	73
9	161	126	135	188	249	519	188	85	42	213	89	70
10	111	129	122	235	232	414	173	73	40	163	103	69
11	96	210	110	171	219	264	153	67	39	150	100	65
12	90	157	116	156	201	215	130	67	105	179	93	60
13	86	113	203	152	188	329	114	91	105	158	86	58
14	84	115	206	162	166	2120	110	90	74	164	83	56
15	82	158	141	288	156	749	119	76	138	164	78	55
16	81	217	122	212	151	477	115	65	491	181	74	51
17	79	200	113	168	179	387	96	61	162	877	74	49
18	79	137	108	159	348	338	90	60	81	348	73	50
19	80	117	111	148	237	299	90	77	58	195	71	52
20	82	112	136	142	181	272	89	70	49	265	72	55
21	82	108	132	143	155	393	86	58	43	196	69	58
22	78	104	124	151	136	301	80	54	62	151	67	58
23	75	103	143	1030	131	239	76	52	57	147	65	56
24	75	107	281	586	132	219	76	52	136	133	65	55
25	78	107	353	336	126	480	89	57	315	130	80	54
26	80	105	191	259	124	572	87	49	222	120	160	53
27	80	101	153	230	129	322	78	54	1240	120	105	55
28	79	99	167	213	308	261	98	50	1060	113	84	57
29	79	98	267	208	---	234	95	45	409	107	78	80
30	79	98	178	1970	---	227	123	46	376	121	72	88
31	79	---	145	5010	---	520	---	67	---	109	68	---
TOTAL	2966	3497	4570	14141	8730	11957	4842	2177	5838	7239	2649	1874
MEAN	95.7	117	147	456	312	386	161	70.2	195	234	85.5	62.5
MAX	199	217	353	5010	1600	2120	668	175	1240	877	160	88
MIN	75	78	99	135	124	144	76	45	39	107	65	49
CFSM	.47	.57	.73	2.25	1.54	1.90	.80	.35	.96	1.15	.42	.31
IN.	.54	.64	.84	2.59	1.60	2.19	.89	.40	1.07	1.33	.49	.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

	MEAN	106	177	300	427	552	663	567	287	191	188	176	112
MAX	434	913	1554	1180	1407	1389	2070	1014	584	560	2430	263	
(WY)	1976	1949	1962	1947	1961	1990	1979	1991	1989	1940	1939	1946	
MIN	39.1	75.0	92.7	111	168	137	87.2	70.2	50.2	56.8	42.4	32.3	
(WY)	1955	1979	1939	1981	1986	1986	1986	1999	1988	1986	1954	1954	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1939 - 1999

ANNUAL TOTAL	124659	70480	
ANNUAL MEAN	342	193	311
HIGHEST ANNUAL MEAN			546
LOWEST ANNUAL MEAN			105
HIGHEST DAILY MEAN	5460	5010	27100
LOWEST DAILY MEAN	49	39	27
ANNUAL SEVEN-DAY MINIMUM	52	48	29
INSTANTANEOUS PEAK FLOW		6370	32800
INSTANTANEOUS PEAK STAGE		11.65	30.38
ANNUAL RUNOFF (CFSM)	1.68	.95	1.53
ANNUAL RUNOFF (INCHES)	22.84	12.92	20.81
10 PERCENT EXCEEDS	660	337	607
50 PERCENT EXCEEDS	144	113	165
90 PERCENT EXCEEDS	77	58	72

MOBILE RIVER BASIN
MOBILE RIVER MAIN STEM

02423000 ALABAMA RIVER AT SELMA, AL

LOCATION.--Lat 32°24'20", long 87°01'07", in SE¹/₄NW¹/₄ sec. 36, T. 17 N., R. 10 E., Dallas County, Hydrologic Unit 03150201, at 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.

WATER-STAGE RECORDS

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 sea level. 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 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.

AVERAGE DISCHARGE.--55 years (water years 1901-13, 1929-70), 26,170 ft³/s, 20.78 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 284,000 ft³/s, Mar. 1, 1961, gage height, 57.97 ft; minimum discharge observed, 2,660 ft³/s, Nov. 1, 1904, gage height, -2.20 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1886, reached a stage of 57.0 ft (discharge, 248,000 ft³/s), present site and datum, from floodmarks established by U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 40.40 ft, Feb. 1; minimum gage height, 17.32 ft, Aug. 10.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.13	18.20	18.94	19.81	---	---	---	19.34	19.18	31.50	17.93	18.16
2	23.23	18.44	19.33	19.27	39.10	20.23	---	19.18	19.08	29.33	18.09	17.97
3	19.40	18.67	19.23	19.32	36.70	21.04	---	19.29	18.99	23.75	18.33	17.90
4	18.86	18.82	18.81	20.10	33.22	21.67	19.74	19.12	18.97	22.73	18.28	18.03
5	18.82	18.90	18.71	20.64	29.23	22.08	19.98	19.01	19.10	19.61	18.16	18.02
6	18.78	18.92	18.84	20.82	26.95	21.89	19.62	19.31	19.08	18.64	17.96	17.85
7	18.94	18.98	18.74	19.49	25.64	21.62	19.18	---	19.10	18.77	17.82	17.81
8	19.37	18.82	18.65	19.14	24.33	22.53	---	---	19.24	19.87	17.80	17.80
9	19.31	18.68	19.18	18.99	21.19	22.77	---	---	19.13	---	17.72	17.80
10	18.93	18.63	19.38	19.01	20.81	22.44	19.74	---	19.04	19.09	17.32	17.79
11	18.68	18.98	19.36	19.08	22.17	22.53	19.25	---	18.74	18.83	17.42	17.85
12	18.94	19.29	18.96	19.35	22.95	21.42	19.08	---	18.74	19.79	18.01	17.91
13	18.99	19.14	19.00	18.75	22.56	20.77	19.02	19.07	18.83	---	18.48	17.90
14	18.86	19.00	19.24	18.95	19.64	25.39	18.81	18.81	18.90	23.50	18.70	17.98
15	18.75	19.22	19.22	20.26	19.53	28.00	18.92	19.63	19.07	22.22	18.57	18.00
16	18.67	19.53	19.00	20.60	20.26	27.25	19.29	19.63	19.71	20.37	18.60	17.95
17	18.55	19.47	18.91	20.50	20.14	25.66	19.39	19.24	19.58	20.72	18.70	17.91
18	18.47	19.26	18.81	20.07	21.11	23.42	19.43	18.87	19.01	19.30	18.70	17.99
19	18.44	19.26	18.87	19.39	22.39	21.73	19.42	18.79	18.69	18.70	18.60	18.02
20	18.45	19.30	18.93	19.03	23.04	21.25	19.28	19.31	18.50	18.76	18.65	17.95
21	18.40	19.40	18.94	19.68	22.41	20.09	19.15	19.30	18.52	18.06	18.60	17.93
22	18.34	19.06	18.99	20.18	21.53	20.31	18.58	18.97	18.28	17.66	18.45	17.85
23	18.35	19.14	19.30	22.10	20.95	20.39	18.58	18.89	18.40	19.27	18.26	17.85
24	18.45	18.91	19.98	25.93	20.15	19.94	18.56	18.87	18.96	18.80	18.22	17.73
25	18.33	19.07	21.40	27.24	19.91	20.01	18.57	18.78	20.20	17.67	18.65	17.88
26	18.23	19.06	23.01	27.57	19.78	---	18.64	18.92	19.30	---	18.51	17.95
27	18.32	19.01	21.74	26.21	19.83	---	18.70	19.20	---	17.95	18.41	18.06
28	18.35	19.32	20.84	24.54	19.33	19.54	18.75	19.11	---	18.20	18.48	17.93
29	18.34	18.98	20.60	23.21	---	19.97	19.11	19.08	---	18.01	18.48	18.18
30	18.40	18.99	21.76	25.00	---	20.12	19.64	18.92	---	17.93	18.36	18.20
31	18.30	---	20.81	---	---	19.60	---	19.04	---	18.15	18.25	---
MEAN	19.01	19.02	19.60	---	---	---	---	---	---	---	18.27	17.94
MAX	25.13	19.53	23.01	---	---	---	---	---	---	---	18.70	18.20
MIN	18.23	18.20	18.65	---	---	---	---	---	---	---	17.32	17.73
CAL YR 1998	MEAN 22.32		MAX 48.44		MIN 17.57							

MOBILE RIVER BASIN
MOBILE RIVER MAIN STEM
02423000 ALABAMA RIVER AT SELMA, AL--Continued
WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB						
02...	0920	25.0	105000	112	31800	67
02...	0930	50.0	105000	119	33700	48
02...	0940	75.0	105000	131	37100	55
MAR						
08...	1000	25.0	35000	17	1610	66
08...	1020	50.0	35000	15	1420	76
08...	1030	75.0	35000	16	1510	80

MOBILE RIVER BASIN

02423130 CAHABA RIVER AT TRUSSVILLE, AL

LOCATION.--Lat 33°37'20", long 86°35'58", in SW¹/₄ sec. 24, T. 16 S., R. 1 W., Jefferson County, Hydrologic Unit 03150202, near left bank on downstream side of U.S. Highway 11 bridge, 0.5 mi east of Trussville, 8.6 mi upstream from Big Black Creek, and at mile 182.3.

DRAINAGE AREA.--19.7 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR AL-92-1: 1989-91 (P).

GAGE.--Water-stage recorder. Datum of gage is 673.30 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 1-29, July 29 to Aug. 3. Water-discharge records fair except those of estimated periods, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.37	.00	2.3	19	199	38	76	6.5	8.2	155	e2.0	.00
2	e.40	.00	2.4	46	107	27	49	5.9	6.8	207	e1.6	.01
3	e.29	.00	7.0	101	72	128	36	5.6	5.9	76	e1.2	.00
4	e.25	.00	15	52	57	58	29	5.3	5.6	38	.85	.00
5	e.35	.00	16	40	44	39	26	6.9	15	27	.91	.00
6	e.19	.00	17	35	25	62	28	137	12	21	.81	.00
7	e.18	.00	16	33	22	47	23	32	11	18	.65	.00
8	e.38	.01	24	32	21	38	21	21	7.8	15	.57	.00
9	e.19	.18	19	39	17	72	19	15	6.0	12	.83	.00
10	e.12	12	13	29	15	49	17	14	4.7	25	.84	.03
11	e.10	7.7	10	24	14	38	15	11	4.0	16	.63	.03
12	e.09	5.2	22	21	13	31	13	9.7	18	23	.48	.00
13	e.08	2.5	18	18	12	154	12	13	9.0	14	.40	.00
14	e.07	26	15	18	11	241	12	12	7.4	11	.26	.00
15	e.08	16	11	35	11	95	25	9.1	74	9.2	.18	.42
16	e.08	9.7	9.7	27	10	56	16	8.0	46	17	.16	1.6
17	e.05	7.0	8.5	22	21	44	13	7.3	22	10	.07	.90
18	e.04	4.8	7.5	23	70	34	12	7.8	14	8.1	.10	.01
19	e.04	3.7	7.9	20	51	28	11	6.6	10	7.2	.00	.00
20	e.04	3.5	9.3	32	39	25	10	5.8	8.0	29	.00	1.4
21	e.03	3.6	8.5	21	30	30	9.2	5.1	6.9	16	.00	6.4
22	e.03	3.4	10	16	24	24	8.8	4.9	5.8	11	.00	.11
23	e.03	3.0	16	209	21	22	8.1	5.5	5.6	9.0	.04	.24
24	e.02	4.2	166	87	18	22	7.4	7.0	26	10	.42	.29
25	e.02	3.0	54	41	16	24	7.2	5.2	32	12	1.4	.06
26	e.02	2.8	29	28	15	23	7.6	4.7	38	8.4	.93	.00
27	e.01	2.6	22	23	13	22	11	4.5	96	6.3	.16	.00
28	e.01	2.5	55	19	57	20	11	4.0	963	5.5	.16	.00
29	e.01	2.5	49	16	---	17	8.2	3.7	236	e4.4	.12	.00
30	.00	2.8	30	134	---	16	7.3	6.5	278	e3.5	.21	.03
31	.00	---	23	420	---	68	---	8.8	---	e2.7	.20	---
TOTAL	3.57	128.69	713.1	1680	1025	1592	548.8	399.4	1982.7	827.3	16.18	11.53
MEAN	.12	4.29	23.0	54.2	36.6	51.4	18.3	12.9	66.1	26.7	.52	.38
MAX	.40	26	166	420	199	241	76	137	963	207	2.0	6.4
MIN	.00	.00	2.3	16	10	16	7.2	3.7	4.0	2.7	.00	.00
CFSM	.01	.22	1.17	2.75	1.86	2.61	.93	.65	3.35	1.35	.03	.02
IN.	.01	.24	1.35	3.17	1.94	3.01	1.04	.75	3.74	1.56	.03	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1999, BY WATER YEAR (WY)

MEAN	17.8	25.9	26.4	69.3	56.3	72.2	33.6	19.0	31.5	21.9	8.16	6.99
MAX	111	68.0	52.6	130	177	154	80.2	75.9	116	74.2	26.5	26.9
(WY)	1996	1996	1995	1996	1990	1996	1998	1991	1997	1989	1992	1992
MIN	.12	4.29	7.41	20.3	27.4	19.4	12.4	4.23	3.14	2.24	.52	.38
(WY)	1999	1999	1994	1991	1992	1992	1992	1992	1998	1995	1999	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1989 - 1999
ANNUAL TOTAL	13536.23	8928.27	
ANNUAL MEAN	37.1	24.5	32.3
HIGHEST ANNUAL MEAN			53.8
LOWEST ANNUAL MEAN			14.7
HIGHEST DAILY MEAN	1580	963	1580
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
INSTANTANEOUS PEAK FLOW		2820	5360
INSTANTANEOUS PEAK STAGE		7.24	10.45
ANNUAL RUNOFF (CFSM)	1.88	1.24	1.64
ANNUAL RUNOFF (INCHES)	25.56	16.86	22.30
10 PERCENT EXCEEDS	88	49	66
50 PERCENT EXCEEDS	8.5	9.7	13
90 PERCENT EXCEEDS	.33	.02	1.5

e Estimated

MOBILE RIVER BASIN

02423130 CAHABA RIVER AT TRUSSVILLE, AL--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1988 to current year.

WATER TEMPERATURE: October 1988 to current year.

DISSOLVED OXYGEN: October 1988 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1988.

REMARKS.--Interruptions in the daily record were due to malfunctions of the instrument and flow conditions.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 457 microSiemens, Nov. 8, 1998; minimum, 26 microSiemens, Jan. 30, 1999.

WATER TEMPERATURE: Maximum, 33.1°C, Aug. 19, 1999; minimum, 0.8°C, Feb. 16, 1991.

DISSOLVED OXYGEN: Maximum, 15.6 mg/L, Mar. 1, 1993, Apr. 16, 1996; minimum, 2.1 mg/L, Sept. 20, 1998.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 457 microSiemens, Nov. 8; minimum, 26 microSiemens, Jan. 30.

WATER TEMPERATURE: Maximum, 33.1°C, Aug. 19; minimum, 3.4°C, Jan. 5.

DISSOLVED OXYGEN: Maximum, 13.6 mg/L, Feb. 15; minimum, 2.2 mg/L, Oct. 3.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	326	222	267	416	408	413	226	217	222	134	123	127
2	325	280	299	421	407	417	230	222	228	134	89	111
3	357	324	346	416	406	411	235	211	223	89	70	74
4	379	354	366	421	390	416	212	181	194	77	72	74
5	397	378	387	427	414	420	204	192	199	78	74	76
6	404	390	397	425	415	420	192	153	172	81	78	79
7	414	273	396	425	416	420	164	147	153	91	81	84
8	273	173	200	457	412	427	164	137	151	91	61	71
9	278	218	238	423	302	390	137	125	129	76	62	65
10	297	259	277	302	79	201	152	128	141	71	67	70
11	296	262	279	183	142	164	153	137	150	75	70	72
12	297	259	274	208	159	185	146	135	137	144	74	78
13	314	241	280	247	204	224	162	146	155	144	83	90
14	316	285	299	274	86	160	164	151	160	93	61	80
15	340	309	323	179	121	153	162	153	159	70	61	67
16	353	320	335	195	177	181	174	162	167	66	60	62
17	358	331	344	228	195	216	186	174	179	65	62	64
18	371	358	364	237	215	228	198	186	192	75	62	67
19	383	371	377	259	237	247	197	184	187	73	57	67
20	387	375	382	258	238	245	185	180	182	59	51	56
21	393	378	385	253	224	241	181	175	178	70	53	63
22	401	386	389	240	209	225	177	164	168	72	63	67
23	400	389	394	235	207	224	173	139	159	82	41	70
24	402	392	398	241	207	224	146	65	94	81	66	73
25	408	394	400	247	240	244	133	115	124	88	72	81
26	416	397	405	253	235	243	141	119	133	110	88	98
27	407	346	392	249	232	240	124	117	120	135	108	117
28	410	371	401	244	227	236	126	69	90	183	90	113
29	413	402	408	239	228	234	99	86	90	120	52	89
30	412	401	407	237	212	225	110	99	104	57	26	48
31	415	402	410	---	---	---	123	110	116	60	38	46
MONTH	416	173	349	457	79	276	235	65	157	183	26	77

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	64	41	53	87	82	84	108	85	99	152	144	147
2	82	64	73	89	83	86	94	46	86	156	146	151
3	93	82	88	102	73	92	102	94	96	170	148	151
4	103	92	96	93	75	83	110	102	105	170	150	156
5	108	102	104	90	82	86	121	110	114	164	142	152
6	115	106	109	90	78	83	133	115	120	219	74	139
7	127	115	123	84	78	81	140	118	126	126	112	119
8	127	123	125	94	79	87	135	126	129	132	125	129
9	131	127	129	95	71	76	132	129	130	150	129	132
10	130	126	129	77	69	73	133	131	132	151	125	134
11	126	111	119	83	74	77	142	133	136	142	127	132
12	111	105	108	80	74	77	151	134	139	152	131	138
13	109	106	107	86	37	71	150	141	144	147	120	137
14	111	106	109	78	55	75	168	144	150	142	117	128
15	111	107	110	104	78	86	162	125	136	136	129	132
16	112	104	108	102	92	95	146	134	141	138	132	134
17	110	81	99	116	102	108	147	143	144	160	135	142
18	87	77	81	126	116	120	157	147	150	162	143	153
19	89	76	79	127	116	120	168	152	158	160	152	156
20	92	81	87	119	111	115	167	152	160	159	154	157
21	89	83	87	117	107	112	167	144	154	166	156	160
22	116	89	99	114	106	110	162	155	159	167	159	163
23	113	103	108	118	112	115	159	154	157	162	147	153
24	104	101	102	121	118	119	158	144	149	156	144	148
25	119	102	108	118	105	110	151	145	147	155	147	151
26	118	108	114	105	95	100	180	148	160	158	151	154
27	122	93	117	113	100	105	177	135	157	161	153	157
28	93	81	85	130	113	121	147	129	137	161	156	159
29	---	---	---	122	106	112	147	140	144	167	158	161
30	---	---	---	113	108	111	156	140	145	169	124	158
31	---	---	---	113	108	112	---	---	---	176	143	158
MONTH	131	41	102	130	37	97	180	46	137	219	74	146
JUNE				JULY			AUGUST			SEPTEMBER		
1	158	142	152	109	80	93	215	206	211	334	269	288
2	161	147	153	214	78	106	213	204	209	341	309	329
3	167	159	164	125	107	118	239	181	207	335	290	306
4	178	161	171	133	123	128	256	191	218	408	335	358
5	180	129	155	151	133	138	256	204	218	375	357	367
6	154	136	146	157	150	152	257	196	220	416	370	3

MOBILE RIVER BASIN

02423130 CAHABA RIVER AT TRUSSVILLE, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	28.4	21.5	24.1	22.0	15.0	18.3	16.9	12.1	13.8	8.9	6.7	8.0
2	27.6	20.0	23.4	18.3	16.2	17.2	15.9	11.1	13.3	9.3	8.6	8.9
3	26.5	21.4	23.6	19.2	14.8	16.7	14.1	12.4	13.3	8.8	6.3	7.6
4	28.5	22.7	25.1	19.4	13.4	15.5	14.8	12.1	13.6	6.5	4.9	5.9
5	25.8	22.5	24.1	17.3	11.6	13.8	16.7	14.1	15.4	5.4	3.4	4.5
6	25.0	22.4	23.7	16.4	9.2	12.0	17.3	15.2	16.3	6.2	4.3	5.1
7	23.5	22.1	22.7	15.6	7.6	11.2	18.0	16.5	17.3	8.2	6.2	7.2
8	24.2	18.5	21.2	12.6	10.7	11.5	17.9	15.5	17.2	10.2	8.0	8.9
9	24.2	16.4	19.3	17.7	12.6	14.8	15.5	12.1	13.9	10.2	6.0	8.6
10	24.6	15.0	18.9	17.7	15.0	16.1	---	---	---	6.6	4.4	5.6
11	24.9	15.4	19.2	16.4	12.1	14.4	12.4	11.7	12.2	7.3	4.6	6.1
12	25.0	15.8	19.5	14.4	10.4	12.3	12.4	11.4	11.9	9.1	5.6	7.5
13	25.0	16.2	19.7	14.7	12.5	13.5	12.8	12.0	12.5	11.7	9.0	10.3
14	24.4	15.4	19.0	14.0	13.2	13.7	12.0	10.5	11.7	12.3	10.0	11.3
15	23.8	14.4	18.5	15.3	14.0	14.6	11.0	8.9	10.0	10.2	8.5	9.3
16	24.5	16.2	19.5	15.7	14.2	14.9	10.3	8.9	9.5	9.8	6.8	8.5
17	23.7	16.1	19.3	18.1	14.2	15.9	10.0	7.9	8.9	11.5	8.7	10.0
18	24.3	17.2	20.4	15.8	12.1	14.0	8.8	6.1	7.7	12.7	10.2	11.8
19	23.3	19.4	21.3	16.9	14.4	15.4	10.3	8.2	9.2	10.7	8.0	9.6
20	24.5	18.3	21.1	16.4	13.3	15.4	11.9	10.3	11.1	12.7	9.4	10.9
21	22.4	16.9	18.9	14.3	10.9	12.5	13.8	11.9	12.7	---	---	---
22	19.6	14.4	16.7	14.3	9.8	12.1	14.0	8.8	11.4	15.0	13.2	14.1
23	19.6	12.2	15.2	16.3	13.2	14.5	8.8	7.6	7.9	15.3	12.9	14.1
24	19.6	11.1	14.8	17.2	14.9	15.7	9.2	6.9	8.4	13.1	11.1	12.3
25	21.0	11.8	15.8	16.7	14.3	15.3	8.9	8.1	8.5	12.8	9.4	11.2
26	21.1	12.5	16.4	17.3	12.8	14.8	9.5	8.5	9.0	13.1	10.0	11.7
27	21.7	13.1	16.7	15.2	10.7	12.6	8.8	7.6	8.2	13.5	12.0	12.5
28	20.8	13.5	17.0	15.0	10.2	12.3	10.0	8.4	9.2	13.5	11.7	12.6
29	21.8	14.1	17.7	14.9	10.0	12.1	10.6	9.6	10.2	14.4	12.4	13.4
30	22.0	15.5	18.8	14.7	10.1	12.2	9.6	7.7	8.5	14.4	12.9	13.7
31	23.3	17.0	19.6	---	---	---	9.3	7.1	8.2	12.9	11.1	12.0
MONTH	28.5	11.1	19.7	22.0	7.6	14.2	---	---	---	---	---	---
FEBRUARY				MARCH			APRIL			MAY		
1	11.4	10.8	11.1	13.8	10.0	11.8	16.8	13.2	14.6	20.0	13.6	16.6
2	13.3	11.2	12.0	13.8	9.4	11.9	17.8	13.3	15.4	20.8	14.1	17.4
3	13.5	10.6	11.9	13.6	10.1	12.0	20.1	14.7	17.3	20.9	15.3	18.1
4	14.2	11.5	12.8	12.6	8.6	10.6	19.5	16.2	17.7	21.6	16.3	18.6
5	13.2	9.7	11.4	12.8	8.5	10.6	20.9	15.6	18.3	19.7	17.6	18.7
6	14.1	10.0	12.2	14.1	11.2	12.4	19.3	17.4	18.0	19.6	17.4	18.4
7	15.9	13.2	14.4	13.0	9.6	11.4	20.7	17.1	18.9	19.3	16.8	18.1
8	15.4	12.1	13.9	11.6	9.3	10.5	20.6	18.0	19.3	19.5	15.9	17.9
9	15.2	12.8	13.9	13.8	9.7	11.5	21.5	18.3	19.7	20.4	16.3	18.5
10	15.8	13.7	14.8	13.6	9.6	11.5	21.2	18.6	19.9	21.6	17.7	19.5
11	16.9	13.8	15.2	12.8	9.7	11.2	22.6	19.2	20.5	22.2	17.9	20.1
12	15.6	10.5	13.3	13.2	8.9	11.2	20.4	16.8	18.6	21.0	18.9	19.9
13	11.1	8.5	9.8	12.1	8.9	10.8	19.1	14.6	16.9	20.5	18.2	19.3
14	10.5	6.8	8.8	10.9	9.9	10.6	18.5	14.6	16.7	21.0	16.8	18.9
15	10.6	6.7	8.8	13.3	9.5	10.9	18.5	16.2	17.2	21.2	17.1	19.1
16	11.7	7.6	9.7	14.2	8.8	11.3	17.2	13.7	15.6	23.0	17.8	20.3
17	12.5	11.0	11.7	14.9	9.8	12.1	15.1	12.9	14.2	24.0	18.4	21.1
18	11.9	10.8	11.3	16.0	10.5	13.2	16.0	11.6	13.9	21.6	19.4	20.6
19	12.4	10.2	11.1	16.0	11.4	13.7	17.4	11.8	14.8	23.9	18.2	20.7
20	12.6	8.9	10.9	14.8	11.3	13.4	20.3	14.8	17.4	23.6	17.5	20.6
21	11.5	8.8	10.5	15.7	12.1	13.8	21.0	15.5	18.3	25.0	18.7	21.6
22	10.1	6.7	8.6	15.2	10.6	13.1	20.3	16.3	18.3	24.5	19.7	21.7
23	8.8	7.8	8.1	14.8	10.5	13.0	22.4	17.5	19.8	24.8	19.9	22.1
24	11.1	7.0	9.0	14.4	12.4	13.4	20.9	19.0	19.9	25.0	20.1	22.1
25	10.4	7.5	9.2	14.3	12.4	13.3	21.1	18.1	19.7	25.3	18.7	21.8
26	14.2	10.0	12.0	14.3	10.1	12.3	20.2	18.2	19.1	22.9	20.3	21.6
27	13.4	12.0	12.7	14.7	9.6	12.3	20.0	18.4	19.1	25.5	19.5	22.0
28	14.2	11.4	12.7	15.5	10.1	13.1	21.4	18.4	19.8	25.0	18.7	21.5
29	---	---	---	15.3	12.6	13.9	19.6	16.7	18.1	25.3	18.9	22.0
30	---	---	---	14.0	12.8	13.4	17.9	15.2	16.4	23.4	20.8	21.8
31	---	---	---	13.3	12.5	13.0	---	---	---	21.2	20.3	20.8
MONTH	16.9	6.7	11.5	16.0	8.5	12.2	22.6	11.6	17.8	25.5	13.6	20.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.5	19.6	21.4	22.0	19.9	20.8	30.7	25.6	27.8	30.8	21.4	25.4
2	23.3	21.0	22.0	22.6	20.6	21.5	30.2	25.7	27.6	28.4	21.2	24.7
3	26.1	20.5	23.0	23.8	20.3	21.8	29.0	25.0	26.8	28.1	23.4	25.3
4	26.4	21.6	23.7	24.2	21.0	22.6	30.1	24.2	26.7	29.1	22.1	25.5
5	23.1	21.0	22.0	24.6	21.6	23.1	29.1	23.9	26.5	28.8	23.4	26.0
6	25.1	21.2	23.1	25.4	22.0	23.7	29.3	23.7	26.4	28.8	24.0	26.1
7	25.7	21.0	23.3	24.5	22.7	23.5	29.9	23.9	26.8	28.1	23.8	25.9
8	26.8	21.5	24.0	24.8	22.0	23.3	28.7	25.0	26.9	29.6	23.4	25.9
9	26.8	22.2	24.4	25.7	22.4	24.0	30.1	25.5	27.5	26.5	23.2	24.5
10	27.0	22.6	24.4	26.1	22.6	24.2	30.3	25.8	27.8	29.0	19.9	23.8
11	24.6	22.8	23.6	25.1	22.7	23.9	31.6	26.1	28.5	28.0	19.1	22.7
12	23.5	21.7	22.7	24.8	22.6	23.5	32.6	27.0	29.3	28.1	19.9	23.5
13	25.3	21.7	23.4	24.2	22.6	23.3	32.9	27.3	29.7	27.6	20.5	24.0
14	25.3	22.5	23.8	25.1	21.6	23.2	32.7	26.2	28.8	27.5	22.7	24.8
15	23.4	22.1	22.6	25.4	22.0	23.6	30.9	24.2	26.7	26.5	19.7	22.3
16	22.9	21.5	22.1	24.9	22.2	23.4	31.5	23.8	26.8	23.8	19.4	21.1
17	24.0	21.1	22.4	25.4	21.7	23.5	32.2	24.5	27.4	23.9	17.5	20.0
18	23.6	19.8	21.8	26.5	22.5	24.4	31.5	24.3	27.2	25.8	16.9	20.9
19	23.8	20.7	22.1	26.2	22.9	24.5	33.1	23.7	27.4	23.5	19.6	21.5
20	24.7	19.6	22.0	25.9	23.0	24.2	33.0	25.0	28.0	23.8	20.9	21.9
21	24.8	20.3	22.5	26.4	22.9	24.6	32.3	22.7	26.4	21.8	18.8	20.5
22	25.5	20.6	23.0	27.7	23.6	25.3	30.2	23.1	26.2	24.6	16.3	19.4
23	24.0	22.1	23.0	27.6	23.6	25.7	31.0	24.3	26.8	23.3	14.0	18.0
24	22.7	21.6	22.2	27.6	24.4	25.6	27.3	24.7	25.9	24.8	15.5	19.3
25	24.3	21.6	22.8	27.4	23.4	25.3	26.9	24.6	25.6	26.3	16.2	20.2
26	24.2	22.2	22.9	27.7	23.8	25.8	28.6	23.9	26.0	24.9	17.4	21.1
27	23.2	21.6	22.4	28.1	23.9	26.0	29.7	22.7	25.8	26.5	21.7	23.6
28	22.8	21.1	21.6	28.2	24.1	26.1	31.5	23.2	26.3	26.7	23.1	24.7
29	22.1	20.9	21.4	29.1	24.5	26.5	30.3	23.0	26.2	24.9	20.1	23.0
30	22.8	20.6	21.7	29.5	24.7	26.9	30.5	22.6	25.7	25.4	16.9	20.2
31	---	---	---	29.6	25.4	27.3	29.9	22.5	25.1	---	---	---
MONTH	27.0	19.6	22.7	29.6	19.9	24.2	33.1	22.5	27.0	30.8	14.0	22.9

[illegible]

MOBILE RIVER BASIN

02423130 CAHABA RIVER AT TRUSSVILLE, AL--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	12.0	11.7	11.8	---	---	---	---	---	---	11.4	7.6	9.7
2	11.8	10.9	11.5	---	---	---	---	---	---	11.5	7.1	9.4
3	12.1	11.1	11.6	---	---	---	10.8	8.5	9.6	11.4	6.5	9.4
4	11.8	11.1	11.4	---	---	---	10.3	8.5	9.3	11.2	6.0	8.9
5	12.7	11.3	11.9	10.9	9.2	10.0	10.3	8.0	9.0	10.2	6.9	8.5
6	12.6	10.7	11.7	10.1	9.2	9.6	9.1	7.8	8.6	10.4	7.2	9.5
7	11.9	10.5	11.1	11.3	9.5	10.3	9.6	7.9	8.7	10.4	8.7	9.8
8	12.4	10.0	11.1	11.7	9.9	10.6	9.7	7.3	8.7	10.1	8.5	9.4
9	11.7	9.9	10.6	11.0	9.8	10.4	9.1	6.4	8.0	10.0	8.4	9.1
10	11.9	9.9	10.6	11.8	10.0	10.7	9.2	4.5	7.4	11.9	7.9	8.6
11	12.0	9.2	10.4	12.1	10.3	11.0	9.4	7.6	8.4	9.4	7.6	8.4
12	12.2	9.2	10.6	12.6	10.3	11.3	10.0	7.8	8.6	9.4	7.6	8.2
13	13.0	10.8	11.9	12.4	10.3	11.3	10.1	6.7	8.7	9.1	7.7	8.2
14	13.5	11.5	12.3	11.6	11.1	11.3	10.7	6.7	8.8	9.5	7.9	8.6
15	13.6	11.5	12.4	11.3	7.9	9.9	---	---	---	9.8	7.8	8.7
16	13.3	10.7	12.1	8.8	5.7	7.6	---	---	---	9.7	7.6	8.5
17	10.9	8.7	10.4	10.5	8.1	9.4	---	---	---	9.4	7.3	8.2
18	11.5	10.4	10.9	10.2	4.6	8.4	---	---	---	9.0	7.1	7.8
19	11.5	10.6	11.0	---	---	---	---	---	---	9.3	7.2	8.1
20	12.4	10.4	11.4	---	---	---	---	---	---	9.7	7.3	8.4
21	12.6	10.6	11.5	---	---	---	---	---	---	9.4	6.9	8.0
22	13.5	5.9	10.8	---	---	---	11.0	8.7	9.6	9.3	6.5	7.7
23	12.1	3.8	9.3	---	---	---	10.7	8.1	9.3	9.4	6.8	7.9
24	13.0	9.2	11.2	---	---	---	9.5	8.1	8.7	9.2	6.6	7.9
25	12.6	8.1	10.9	---	---	---	10.3	7.9	9.0	9.4	6.8	8.0
26	8.5	4.6	6.6	---	---	---	10.3	7.3	8.7	9.3	6.7	7.9
27	---	---	---	---	---	---	9.6	7.3	8.4	9.5	6.6	7.9
28	---	---	---	---	---	---	9.7	8.0	8.7	9.8	5.8	7.9
29	---	---	---	---	---	---	10.2	8.3	9.2	9.9	4.9	7.8
30	---	---	---	---	---	---	11.3	9.0	9.9	9.1	6.7	7.6
31	---	---	---	---	---	---	---	---	---	8.3	6.2	7.4
MONTH	---	---	---	---	---	---	---	---	---	11.9	4.9	8.4
JUNE			JULY			AUGUST			SEPTEMBER			
1	9.1	7.6	8.3	8.7	8.2	8.5	8.1	6.4	7.1	9.7	5.8	7.3
2	9.1	7.3	8.1	8.6	8.0	8.4	8.2	6.7	7.2	10.3	5.7	7.3
3	9.2	7.2	8.1	8.6	7.8	8.3	---	---	---	10.2	5.3	7.0
4	9.2	7.2	7.8	8.6	7.8	8.2	---	---	---	10.0	4.8	6.8
5	8.6	7.3	7.9	8.4	7.6	8.0	---	---	---	9.5	4.8	6.5
6	9.3	7.6	8.3	8.4	7.5	7.9	---	---	---	9.5	4.4	6.1
7	9.5	7.4	8.3	8.4	7.5	7.8	---	---	---	9.0	4.4	6.3
8	9.3	7.1	8.1	8.8	7.4	8.0	---	---	---	9.3	4.7	6.2
9	9.5	7.0	8.0	8.7	7.1	7.9	---	---	---	9.4	4.7	6.4
10	8.9	6.6	7.6	8.8	6.9	7.7	---	---	---	8.6	5.5	6.9
11	8.9	6.2	7.5	7.9	6.8	7.2	---	---	---	9.8	6.4	7.7
12	8.2	6.6	7.6	7.7	6.8	7.2	---	---	---	10.4	6.1	8.0
13	8.5	6.7	7.8	8.2	6.9	7.4	---	---	---	10.3	4.5	7.2
14	9.0	6.9	7.7	8.5	6.7	7.5	---	---	---	9.3	4.5	6.4
15	9.0	7.0	8.1	8.6	6.4	7.4	---	---	---	8.8	4.6	7.2
16	8.5	7.9	8.3	8.6	6.4	7.0	---	---	---	9.5	7.1	8.4
17	8.9	7.8	8.3	7.5	6.4	7.0	---	---	---	10.8	8.3	9.4
18	9.4	7.7	8.5	8.2	6.2	7.0	11.3	8.3	9.8	11.2	5.9	8.8
19	9.8	7.7	8.5	8.0	6.1	6.9	11.3	7.1	8.9	10.6	6.0	7.7
20	9.9	7.5	8.5	8.0	6.1	6.7	10.9	6.4	8.4	10.2	4.2	6.9
21	9.7	7.0	8.2	7.7	6.3	6.9	10.1	6.3	7.9	9.4	4.5	6.0
22	9.6	7.0	8.1	7.9	6.0	6.9	10.0	3.7	7.9	7.1	4.3	5.2
23	9.3	7.0	7.8	8.1	6.1	6.9	9.5	3.7	7.3	7.8	4.4	5.9
24	8.0	6.9	7.6	8.1	6.2	6.9	8.3	3.7	6.5	8.9	5.2	7.2
25	8.7	7.6	8.1	8.0	6.2	7.0	8.6	5.0	7.1	9.6	5.4	7.1
26	8.8	7.4	8.0	8.1	6.2	7.1	9.6	5.2	7.5	9.6	4.3	6.8
27	8.3	8.0	8.2	8.2	6.4	7.1	11.5	5.6	8.0	8.2	3.4	5.0
28	8.4	8.1	8.3	8.2	6.4	7.1	10.7	5.4	7.6	8.6	2.6	5.0
29	8.4	8.1	8.3	8.3	6.4	7.1	9.6	5.0	6.9	6.3	2.7	4.5
30	8.5	7.9	8.3	8.2	6.0	6.9	8.9	4.6	6.5	8.7	4.3	6.5
31	---	---	---	8.2	5.9	7.1	10.3	5.6	7.5	---	---	---
MONTH	9.9	6.2	8.1	8.8	5.9	7.4	---	---	---	11.2	2.6	6.8

MOBILE RIVER BASIN

02423190 BIG BLACK CREEK NEAR LEEDS, AL

LOCATION.--Lat 33°35'45", long 86°31'54", in SW¹/₄ sec. 34, T. 16 S., R. 1 W., St. Clair County, Hydrologic Unit 03150202, near left bank on downstream side of County Road 10, 1.6 mi from mouth, and 2.4 mi north of Leeds.

DRAINAGE AREA.--39.3 mi².

PERIOD OF RECORD.--January 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 580 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Jan. 1-21, Aug. 20-23. Water-discharge records good except those of estimated periods, 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.

EXTREMES FOR PERIOD JANUARY 1, 1999 TO SEPTEMBER 30, 1999.--Maximum discharge, 2,900 ft³/s, June 28, gage height, 17.19 ft; minimum daily discharge, 0.71 ft³/s, Sept. 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	e38	529	107	194	33	44	381	7.9	1.6
2	---	---	---	e90	300	79	136	28	30	200	7.1	1.7
3	---	---	---	e200	188	309	99	24	48	146	7.0	1.6
4	---	---	---	e110	129	211	77	21	44	91	5.7	1.5
5	---	---	---	e79	90	133	62	20	71	67	4.5	1.3
6	---	---	---	e70	72	164	61	174	71	53	3.7	1.3
7	---	---	---	e63	62	127	63	110	42	42	3.4	1.3
8	---	---	---	e60	53	96	53	61	31	52	3.0	1.9
9	---	---	---	e75	45	184	48	43	24	42	2.7	3.4
10	---	---	---	e65	42	150	43	40	19	36	3.3	4.8
11	---	---	---	e56	39	101	38	33	16	61	3.0	2.0
12	---	---	---	e48	35	79	33	27	21	47	2.6	1.1
13	---	---	---	e41	32	164	29	26	18	43	2.3	.90
14	---	---	---	e40	29	691	27	31	39	35	2.0	.73
15	---	---	---	e82	27	329	104	24	72	29	1.6	.71
16	---	---	---	e62	25	209	63	21	189	25	1.5	.83
17	---	---	---	e52	51	150	45	18	87	25	1.5	1.0
18	---	---	---	e55	171	110	37	25	48	22	1.3	1.1
19	---	---	---	e48	159	86	33	71	33	20	1.2	1.2
20	---	---	---	e75	136	70	30	40	26	26	e1.1	1.4
21	---	---	---	e49	96	79	27	27	22	27	e1.1	2.0
22	---	---	---	39	71	61	24	22	18	22	e1.0	1.9
23	---	---	---	786	59	53	22	19	16	18	e1.3	1.6
24	---	---	---	345	51	50	21	18	25	17	2.0	1.5
25	---	---	---	171	44	61	19	16	51	24	2.6	1.7
26	---	---	---	109	39	61	18	14	49	19	1.8	1.7
27	---	---	---	78	41	54	64	13	235	16	1.6	2.1
28	---	---	---	61	159	51	140	11	1760	13	1.8	2.3
29	---	---	---	54	---	47	56	9.4	821	11	1.7	4.2
30	---	---	---	354	---	44	40	9.4	476	10	1.7	3.8
31	---	---	---	770	---	120	---	77	---	9.4	1.7	---
TOTAL	---	---	---	4225	2774	4230	1706	1105.8	4446	1629.4	84.7	54.17
MEAN	---	---	---	136	99.1	136	56.9	35.7	148	52.6	2.73	1.81
MAX	---	---	---	786	529	691	194	174	1760	381	7.9	4.8
MIN	---	---	---	38	25	44	18	9.4	16	9.4	1.0	.71
CFSM	---	---	---	3.47	2.52	3.47	1.45	.91	3.77	1.34	.07	.05
IN.	---	---	---	4.00	2.63	4.00	1.61	1.05	4.21	1.54	.08	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	---	---	---	136	99.1	136	56.9	35.7	148	52.6	2.73	1.81
MAX	---	---	---	136	99.1	136	56.9	35.7	148	52.6	2.73	1.81
(WY)	---	---	---	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	---	---	---	136	99.1	136	56.9	35.7	148	52.6	2.73	1.81
(WY)	---	---	---	1999	1999	1999	1999	1999	1999	1999	1999	1999

e Estimated

MOBILE RIVER BASIN

02423380 CAHABA RIVER NEAR MOUNTAIN BROOK, AL

LOCATION.--Lat 33°28'54", long 86°42'46", in NE¹/₄ 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.

WATER-DISCHARGE RECORDS

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 sea level (levels by Jefferson County Engineering Department).

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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	11	14	190	1740	421	569	97	129	1320	46	12
2	16	13	15	355	955	311	403	80	116	630	40	13
3	14	13	16	904	637	936	307	68	125	805	36	12
4	16	11	15	476	484	714	257	63	116	390	34	13
5	14	10	21	313	365	464	218	61	180	284	30	13
6	14	15	27	249	286	607	193	647	256	224	27	13
7	17	14	34	223	249	511	206	437	155	192	25	12
8	23	22	74	202	224	380	174	239	106	197	24	12
9	25	36	106	310	193	636	156	164	85	159	23	11
10	19	102	60	300	170	551	144	129	66	139	21	12
11	16	167	66	241	157	399	126	115	51	472	24	13
12	14	66	154	210	143	314	109	94	59	310	24	13
13	14	40	176	183	128	492	95	85	134	235	21	13
14	14	243	142	218	112	2240	88	91	560	166	20	12
15	14	293	91	312	103	1060	313	87	810	129	18	10
16	14	127	64	250	100	624	235	68	563	194	16	9.4
17	14	65	49	210	136	461	159	57	350	337	16	10
18	14	43	40	204	421	352	126	67	212	156	16	10
19	14	31	48	185	384	284	109	147	141	115	16	11
20	13	27	57	170	352	242	100	122	104	152	16	12
21	11	24	49	164	280	254	91	83	81	277	15	11
22	11	21	50	166	229	222	81	63	65	161	15	27
23	12	18	107	1740	199	187	74	81	57	151	16	19
24	11	17	1350	1080	179	170	70	89	101	105	19	17
25	11	18	666	543	162	199	67	72	294	176	21	16
26	12	18	321	380	152	207	67	51	483	152	23	16
27	10	17	225	290	177	180	99	44	934	104	19	16
28	9.3	16	558	244	598	163	298	37	5960	80	17	16
29	8.7	15	610	245	---	151	180	31	3490	66	16	21
30	8.9	15	352	1470	---	141	123	28	1140	60	16	18
31	12	---	250	2840	---	270	---	76	---	53	14	---
TOTAL	433.9	1528	5807	14867	9315	14143	5237	3573	16923	7991	684	413.4
MEAN	14.0	50.9	187	480	333	456	175	115	564	258	22.1	13.8
MAX	25	293	1350	2840	1740	2240	569	647	5960	1320	46	27
MIN	8.7	10	14	164	100	141	67	28	51	53	14	9.4
CFSM	.10	.36	1.34	3.43	2.38	3.26	1.25	.82	4.03	1.84	.16	.10
IN.	.12	.41	1.54	3.95	2.48	3.76	1.39	.95	4.50	2.12	.18	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1999, BY WATER YEAR (WY)

	MEAN	95.7	196	231	455	485	503	265	131	162	134	62.4	69.2
MAX	502	675	563	898	1061	1191	592	489	850	469	225	305	
(WY)	1996	1993	1993	1998	1990	1996	1998	1991	1997	1989	1992	1992	
MIN	7.28	28.2	46.0	36.7	180	105	31.7	30.0	10.6	16.0	10.8	10.2	
(WY)	1988	1988	1981	1981	1986	1986	1986	1986	1988	1986	1988	1990	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1981 - 1999

ANNUAL TOTAL	107265.9	80915.3	
ANNUAL MEAN	294	222	232
HIGHEST ANNUAL MEAN			388
LOWEST ANNUAL MEAN			70.4
HIGHEST DAILY MEAN	5760	5960	8550
LOWEST DAILY MEAN	8.7	8.7	2.5
ANNUAL SEVEN-DAY MINIMUM	10	10	3.6
INSTANTANEOUS PEAK FLOW		11000	12500
INSTANTANEOUS PEAK STAGE		15.11	16.19
ANNUAL RUNOFF (CFSM)	2.10	1.58	1.66
ANNUAL RUNOFF (INCHES)	28.50	21.50	22.50
10 PERCENT EXCEEDS	675	487	502
50 PERCENT EXCEEDS	85	103	95
90 PERCENT EXCEEDS	15	13	14

MOBILE RIVER BASIN

02423380 CAHABA RIVER NEAR MOUNTAIN BROOK, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1987 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1987 to current year.

WATER TEMPERATURE: October 1987 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1987.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 560 microSiemens, June 10, 1992; minimum, 25 microSiemens, Oct. 5, 1995.

WATER TEMPERATURE: Maximum, 31.0°C, Aug. 19, 1995; minimum, 0.0°C, Dec. 23-27, 1989.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 467 microSiemens, Sept. 28; minimum, 74 microSiemens, July 3.

WATER TEMPERATURE: Maximum, 30.7°C, Aug. 1; minimum, 3.5°C, Jan. 6.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
NOV 04...	1415	15.8	18.0	755	11	.53	395	399	8.0	82	7.8
MAR 17...	1530	12.6	24.6	760	438	2.07	106	114	11.6	109	7.7
JUN 23...	1725	24.4	26.0	754	60	.98	176	176	8.4	102	7.5
AUG 12...	1130	28.7	36.0	746	24	.69	265	263	9.2	122	7.9
DATE	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	ANC CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	CAR- WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	BICAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	COLI- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	E. COLI FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV 04...	7.8	3.5	114	0	139	114	K31	K23	1.2	.22	.050
MAR 17...	7.6	--	--	0	41	34	K56	K50	--	--	.020
JUN 23...	7.8	--	--	0	65	53	K500	460	.89	.17	.030
AUG 12...	7.9	--	--	0	101	83	K41	K35	--	--	.030
DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD- NESS NONCARB DISSOLV LAB AS CACO3 (MG/L) (00905)
NOV 04...	<.010	.27	.890	.06	5.1	.71	.240	.230	130	19	--
MAR 17...	<.010	<.20	.390	.03	--	.12	E.060	.040	42	9	7
JUN 23...	<.010	.20	.690	.04	3.9	.25	.070	.080	63	10	--
AUG 12...	<.010	<.20	.390	.04	--	--	.110	E.080	87	4	--

MOBILE RIVER BASIN

02423380 CAHABA RIVER NEAR MOUNTAIN BROOK, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
NOV 04...	35	11	22	.8	26	5.1	20	47	.19	4.5
MAR 17...	11	3.6	4.7	.3	19	.90	2.8	14	<.10	6.5
JUN 23...	16	5.6	8.3	.5	22	2.0	5.2	19	<.10	7.2
AUG 12...	23	7.2	16	.7	28	2.9	11	27	.13	4.1
DATE	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
NOV 04...	45	130	11	64	58	1.4	230	213	6.83	.31
MAR 17...	14	310	43	43	24	1.4	68	64	80.4	.09
JUN 23...	22	490	13	89	62	2.6	114	95	18.5	.16
AUG 12...	31	100	10	45	33	2.7	150	141	9.72	.20
DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)			
JUN 23...	1	1	<1.0	<1	<1.0	<1	<1.0			
DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)			
JUN 23...	<1	<1.0	<1	<1	<1	<1	<.10			

MOBILE RIVER BASIN

02423380 CAHABA RIVER NEAR MOUNTAIN BROOK, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	333	321	326	414	260	400	282	266	274	153	147	150
2	344	213	324	412	204	398	292	278	283	157	124	146
3	347	275	334	406	383	401	306	292	298	145	119	129
4	364	341	352	404	203	362	319	306	312	123	119	120
5	368	256	355	412	261	397	328	316	322	130	121	125
6	371	168	345	408	296	401	335	322	329	140	129	134
7	372	320	354	411	280	404	352	235	324	146	140	143
8	349	316	338	406	271	368	333	294	315	154	146	150
9	365	229	344	385	323	346	345	315	333	151	143	145
10	385	358	365	368	170	307	334	315	323	152	143	148
11	382	360	373	396	290	347	322	310	316	158	148	153
12	396	376	386	381	304	345	310	256	289	149	146	147
13	398	387	391	402	333	370	256	232	239	153	147	151
14	400	212	384	410	194	320	234	226	230	155	142	152
15	399	361	389	311	238	256	247	234	240	168	146	154
16	401	372	386	257	223	248	253	246	250	171	154	161
17	392	239	377	256	249	253	248	236	245	163	149	158
18	394	292	385	265	230	255	260	247	252	154	151	152
19	409	227	390	257	241	249	263	242	253	155	152	153
20	403	199	384	248	231	237	261	246	252	153	151	152
21	413	258	391	234	226	230	254	239	248	157	149	154
22	403	205	382	233	228	231	244	233	239	164	155	157
23	413	261	387	237	229	233	250	224	240	164	95	122
24	404	262	389	241	231	237	247	130	173	103	97	100
25	407	257	386	246	222	240	140	118	131	111	103	107
26	404	190	391	253	245	249	144	110	136	120	111	115
27	412	230	390	256	249	253	151	76	141	136	120	127
28	413	215	391	263	247	259	154	128	142	142	133	137
29	416	402	409	267	260	265	148	112	135	145	125	142
30	419	256	405	273	265	269	139	120	134	131	100	119
31	417	178	401	---	---	---	148	138	143	109	91	95
MONTH	419	168	374	414	170	304	352	76	243	171	91	139
FEBRUARY			MARCH			APRIL			MAY			
1	96	92	93	143	128	135	162	132	148	156	146	150
2	106	96	101	128	125	126	132	118	123	164	156	161
3	114	106	110	126	109	121	125	120	123	169	164	166
4	121	114	119	111	107	109	133	125	129	180	169	174
5	130	121	124	116	109	112	134	133	133	181	153	176
6	140	130	135	120	110	116	139	133	136	182	87	135
7	145	140	142	125	118	120	145	137	141	131	107	115
8	151	145	149	121	118	119	150	145	148	117	100	115
9	155	151	153	125	112	119	154	150	152	126	117	123
10	159	154	157	125	117	120	160	153	156	132	126	129
11	176	159	166	121	118	120	160	159	159	143	132	137
12	180	176	179	128	121	125	163	160	161	153	143	147
13	182	179	181	130	107	123	172	163	167	156	153	155
14	185	181	183	118	88	95	173	170	171	159	135	156
15	190	182	186	104	92	98	171	109	152	177	159	167
16	194	190	192	108	102	104	180	154	168	190	177	184
17	197	179	191	116	108	113	168	160	164	199	190	195
18	192	168	179	124	116	120	164	155	159	202	183	195
19	185	127	151	133	123	128	158	154	155	201	191	197
20	142	124	130	141	133	136	163	158	160	199	192	195
21	125	123	124	146	141	142	172	163	167	209	196	200
22	126	124	125	150	146	148	177	172	174	217	205	213
23	133	126	129	150	146	148	186	177	180	212	195	207
24	140	132	135	150	148	149	205	183	197	202	186	190
25	149	138	144	160	150	155	220	204	213	190	186	188
26	153	149	150	166	160	164	215	210	212	193	187	190
27	158	124	153	169	163	166	216	175	204	193	189	191
28	156	127	142	163	159	162	222	195	205	200	192	197
29	---	---	---	163	159	161	200	177	191	205	200	202
30	---	---	---	167	160	164	177	148	158	206	204	205
31	---	---	---	161	144	153	---	---	---	204	199	202
MONTH	197	92	147	169	88	131	222	109	164	217	87	173

MOBILE RIVER BASIN

02423380 CAHABA RIVER NEAR MOUNTAIN BROOK, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	233	201	213	108	86	103	219	125	200	379	360	369
2	259	232	247	121	88	112	234	178	218	378	352	369
3	250	220	235	121	74	110	253	119	222	383	359	372
4	220	174	194	136	119	127	258	122	223	387	356	375
5	193	173	178	140	131	136	267	188	233	383	349	370
6	193	163	175	147	139	141	268	192	240	387	351	376
7	173	154	164	161	144	151	277	176	250	386	360	376
8	170	151	160	167	154	158	281	155	251	380	282	367
9	157	140	153	180	153	165	279	221	254	385	363	375
10	153	150	152	183	173	177	283	225	260	392	370	380
11	157	132	152	178	154	163	283	183	241	402	383	392
12	163	150	158	166	140	150	285	120	232	406	388	396
13	190	160	176	159	141	150	279	122	231	411	392	402
14	205	101	180	171	157	166	285	160	244	414	391	404
15	145	110	126	176	169	173	284	217	271	413	390	405
16	153	129	141	178	173	176	292	222	278	420	399	411
17	145	121	136	181	146	165	305	173	279	420	407	415
18	150	135	143	182	161	169	312	240	305	431	412	422
19	159	150	154	196	172	179	318	300	313	432	420	426
20	168	159	163	178	162	168	324	138	309	447	430	435
21	175	168	171	221	177	196	333	159	294	443	437	440
22	186	175	180	225	187	205	338	142	278	448	440	442
23	197	186	190	192	165	173	342	233	325	445	439	441
24	197	183	193	180	174	177	342	281	334	444	439	442
25	202	118	187	209	165	186	337	322	329	449	441	446
26	216	157	183	227	120	197	324	310	320	458	447	450
27	162	142	151	231	162	207	339	316	326	466	443	453
28	147	77	110	204	154	185	344	326	334	467	434	455
29	103	84	91	189	154	178	366	343	353	457	170	404
30	111	96	103	198	171	189	371	350	360	412	353	377
31	---	---	---	206	125	187	379	352	365	---	---	---
MONTH	259	77	165	231	74	165	379	119	280	467	170	406
YEAR	467	74	225									

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25.4	23.5	24.4	17.5	15.4	16.4	13.0	11.5	12.1	7.8	6.8	7.3
2	24.8	23.2	24.0	16.4	15.7	16.1	12.6	11.5	12.1	9.4	7.8	8.4
3	24.6	23.1	23.8	16.6	15.5	16.0	13.2	12.1	12.7	8.9	7.2	8.1
4	25.2	23.6	24.4	16.3	14.7	15.3	13.9	12.6	13.2	7.2	5.1	6.1
5	25.0	23.8	24.4	15.1	13.2	14.2	14.8	13.5	14.2	5.1	3.7	4.3
6	24.8	23.9	24.3	13.6	11.6	12.6	15.8	14.7	15.2	4.3	3.5	3.8
7	24.2	23.4	23.9	12.4	10.3	11.2	17.4	15.7	16.4	6.0	4.3	5.0
8	23.4	21.6	22.6	11.5	10.6	11.0	17.5	16.3	17.2	7.8	6.0	6.7
9	21.6	19.8	20.6	13.5	11.5	12.6	16.3	13.5	14.9	9.0	7.5	8.2
10	20.1	18.7	19.4	16.6	13.5	14.6	13.5	12.6	13.0	7.5	6.1	6.5
11	20.1	18.1	18.9	15.0	13.0	14.2	13.0	12.6	12.7	6.1	5.2	5.7
12	20.0	17.8	18.7	13.0	12.3	12.7	12.7	12.3	12.5	6.7	5.0	5.8
13	20.2	17.7	18.8	13.5	12.6	13.1	12.9	12.5	12.8	8.1	6.7	7.4
14	19.6	17.6	18.6	14.1	13.4	13.7	12.5	11.6	12.1	10.8	8.1	9.2
15	18.9	16.9	18.0	14.6	13.8	14.2	11.6	9.9	10.7	9.8	9.0	9.3
16	19.7	17.2	18.3	14.9	14.2	14.6	9.9	8.8	9.3	9.0	8.0	8.6
17	19.6	17.3	18.4	15.8	14.9	15.3	8.9	8.2	8.6	10.0	8.4	9.1
18	20.1	17.8	18.9	15.0	13.7	14.3	8.2	7.1	7.6	10.8	10.0	10.3
19	20.4	18.9	19.6	15.0	14.2	14.6	9.1	7.7	8.3	10.1	9.0	9.5
20	21.5	19.5	20.2	15.3	14.5	15.0	10.6	9.1	9.8	10.8	9.5	10.1
21	19.9	18.5	19.1	14.5	13.1	13.6	11.6	10.6	11.0	12.1	10.8	11.4
22	18.7	16.6	17.7	13.1	12.0	12.5	11.8	9.6	10.9	13.7	12.1	12.7
23	16.9	15.0	15.8	14.0	12.7	13.4	9.6	8.1	8.5	15.0	13.6	14.2
24	16.1	13.6	14.7	14.7	14.0	14.4	8.8	8.0	8.5	13.6	12.3	12.9
25	16.2	13.1	14.3	15.1	14.3	14.7	8.5	8.3	8.4	12.3	11.1	11.6
26	15.8	13.1	14.3	15.4	14.1	14.9	8.8	8.4	8.6	11.8	10.8	11.3
27	15.8	13.3	14.4	14.1	12.6	13.3	8.4	7.7	8.1	11.9	10.8	11.4
28	15.7	13.5	14.6	12.9	11.8	12.3	9.4	8.4	8.8	12.5	11.4	12.0
29	16.1	13.8	15.0	12.1	11.1	11.6	9.8	9.4	9.6	14.1	12.0	12.7
30	16.8	14.4	15.6	11.8	10.8	11.4	9.5	8.1	8.8	13.9	13.5	13.7
31	18.3	15.3	16.5	---	---	---	8.2	7.5	7.8	13.7	12.1	12.9
MONTH	25.4	13.1	19.1	17.5	10.3	13.8	17.5	7.1	11.1	15.0	3.5	9.2

MOBILE RIVER BASIN

02423380 CAHABA RIVER NEAR MOUNTAIN BROOK, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	12.1	11.5	11.6	12.6	11.5	12.1	15.5	13.6	14.5	18.8	16.7	17.7
2	12.3	11.4	11.8	12.7	11.0	11.9	16.6	14.9	15.7	19.5	17.1	18.2
3	12.4	11.7	12.1	12.6	11.6	12.3	18.7	16.1	17.3	20.3	17.5	18.9
4	13.0	12.2	12.5	11.6	10.4	10.9	19.4	18.0	18.6	20.5	18.4	19.5
5	12.3	11.2	11.8	11.2	9.7	10.5	20.8	18.1	19.4	20.3	19.3	19.8
6	12.4	10.9	11.6	12.7	10.8	11.8	20.7	19.5	19.9	20.2	18.4	19.5
7	13.6	11.9	12.7	12.4	11.4	11.9	21.4	19.3	20.3	19.6	18.5	19.1
8	14.0	12.4	13.3	11.5	10.8	11.1	21.4	20.2	20.9	20.1	18.1	19.2
9	14.3	13.0	13.7	12.1	10.7	11.3	22.0	20.5	21.2	20.3	18.3	19.5
10	14.6	14.0	14.3	12.2	10.9	11.6	22.4	21.3	21.8	21.3	19.7	20.6
11	15.5	14.1	14.8	11.8	11.0	11.4	23.3	21.8	22.4	22.0	20.6	21.3
12	15.3	12.8	14.3	11.9	10.3	11.1	22.3	20.7	21.5	21.9	21.3	21.6
13	12.8	10.8	11.7	11.6	10.6	11.2	20.7	19.3	19.9	22.4	21.1	21.6
14	10.8	9.3	10.0	10.8	10.4	10.6	19.6	18.5	19.1	22.1	20.4	21.3
15	9.7	8.7	9.2	11.3	10.1	10.7	19.2	17.3	18.5	21.7	20.7	21.1
16	9.9	8.8	9.3	11.9	10.1	11.0	18.0	16.7	17.4	22.9	20.3	21.5
17	11.0	9.6	10.5	12.7	10.8	11.7	17.3	15.4	16.1	23.7	20.9	22.3
18	10.9	10.3	10.6	13.7	11.5	12.6	15.9	14.6	15.3	22.9	21.7	22.2
19	11.4	10.8	11.1	14.3	12.6	13.5	16.4	14.2	15.3	23.0	20.9	22.0
20	11.3	10.1	10.7	14.5	13.0	13.8	18.2	15.8	16.9	22.6	20.8	21.9
21	11.0	9.8	10.5	15.2	13.3	14.2	19.4	17.1	18.1	23.8	21.7	22.6
22	9.8	8.7	9.2	14.8	12.8	13.9	19.8	18.0	18.8	23.9	21.9	22.9
23	9.1	8.1	8.4	14.5	12.2	13.6	21.0	18.6	19.8	24.3	22.2	23.2
24	8.9	7.3	8.1	14.5	13.0	13.7	20.9	20.0	20.4	24.4	22.6	23.4
25	9.2	7.5	8.3	14.3	13.4	13.9	21.2	19.7	20.4	24.1	22.0	23.1
26	10.9	9.0	9.9	13.8	12.1	13.1	21.3	20.2	20.7	23.6	22.4	23.1
27	12.5	10.8	11.2	13.7	11.4	12.8	20.9	20.2	20.6	24.3	22.2	23.3
28	12.9	11.7	12.2	14.1	11.6	13.1	21.3	20.2	20.7	24.2	21.9	23.1
29	---	---	---	14.4	13.1	13.8	20.8	19.0	19.8	24.2	22.1	23.3
30	---	---	---	14.1	13.6	13.9	19.0	17.7	18.2	24.0	23.0	23.4
31	---	---	---	13.8	13.3	13.6	---	---	---	23.2	22.5	22.8
MONTH	15.5	7.3	11.3	15.2	9.7	12.3	23.3	13.6	19.0	24.4	16.7	21.4
JUNE				JULY			AUGUST			SEPTEMBER		
1	23.8	22.5	23.1	22.7	22.0	22.4	30.7	29.0	29.9	27.1	25.0	25.9
2	23.9	23.2	23.5	23.1	22.3	22.7	30.5	28.9	29.8	26.0	24.8	25.5
3	24.8	22.9	23.8	24.3	22.5	23.4	30.0	28.5	29.2	25.9	24.9	25.3
4	25.2	23.9	24.6	25.1	23.5	24.3	29.2	27.8	28.6	27.0	24.6	25.7
5	24.9	24.1	24.5	26.3	24.4	25.3	28.6	27.0	28.0	27.5	25.2	26.3
6	25.0	23.6	24.4	27.1	25.0	26.1	28.5	26.8	27.8	27.8	25.8	26.6
7	25.2	23.1	24.2	26.9	26.0	26.5	28.7	26.7	27.9	27.7	25.8	26.5
8	26.3	24.4	25.3	26.4	25.3	26.0	28.4	27.2	27.9	28.4	25.7	26.3
9	26.5	24.8	25.6	27.2	25.7	26.4	28.7	27.5	28.1	26.2	25.1	25.6
10	27.2	25.1	26.0	27.6	26.2	26.8	28.4	27.5	28.0	26.0	23.9	24.8
11	26.3	25.3	25.7	26.9	25.3	25.9	29.1	27.5	28.4	24.9	23.0	24.0
12	25.6	24.4	25.1	25.7	25.1	25.4	29.5	28.1	28.9	24.5	22.7	23.5
13	26.0	24.6	25.3	25.1	24.5	24.9	30.0	28.4	29.3	25.3	22.7	23.8
14	26.7	22.8	25.5	25.5	24.0	24.8	29.9	28.6	29.3	25.4	23.5	24.2
15	24.4	22.8	23.1	25.8	24.6	25.2	29.0	27.3	28.0	24.9	22.7	23.6
16	23.4	22.8	23.0	25.4	24.4	25.0	27.9	26.5	27.3	24.0	22.1	22.9
17	23.9	22.4	23.1	25.4	23.1	24.3	28.4	26.8	27.5	23.2	21.0	22.0
18	23.6	21.9	22.9	26.6	24.6	25.6	28.6	26.6	27.6	22.9	20.4	21.6
19	23.4	22.5	23.0	26.3	25.7	26.1	28.9	27.1	28.0	22.4	21.0	21.7
20	24.1	22.2	23.2	26.6	25.7	26.2	29.1	27.4	28.2	22.8	21.7	22.2
21	24.6	22.7	23.6	26.8	25.6	26.3	28.5	27.0	27.8	22.2	21.1	21.8
22	25.1	22.9	24.0	27.8	26.0	26.9	28.0	26.4	27.1	21.1	19.6	20.4
23	24.5	23.6	24.0	28.0	26.4	27.3	28.0	26.4	27.1	20.1	18.4	19.4
24	24.2	23.4	23.9	28.1	27.2	27.6	27.4	26.6	26.9	20.2	18.1	19.2
25	24.8	23.7	24.1	28.6	26.8	27.7	27.0	26.2	26.6	20.9	18.3	19.6
26	24.3	23.2	23.8	29.0	27.3	28.2	27.4	25.9	26.7	21.3	18.9	20.1
27	23.6	23.0	23.3	29.5	28.0	28.7	27.1	25.9	26.6	22.7	20.3	21.4
28	23.4	22.1	22.6	29.8	27.8	28.7	27.7	25.8	26.6	23.6	21.7	22.5
29	22.1	21.6	21.8	29.9	27.9	28.9	28.1	25.9	26.8	22.8	21.5	22.4
30	22.5	21.8	22.2	30.1	27.8	29.0	28.1	25.9	26.8	21.5	20.1	20.8
31	---	---	---	30.6	28.5	29.6	26.9	25.3	26.1	---	---	---
MONTH YEAR	27.2 30.7	21.6 3.5	23.9 18.2	30.6	22.0	26.2	30.7	25.3	27.8	28.4	18.1	23.2

MOBILE RIVER BASIN

02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL

LOCATION.--Lat 33°32'56", long 86°33'45", in SE¹/₄ sec. 20, T. 17 S., R. 1 E., Jefferson County, Hydrologic Unit 03150202, on left bank, 0.1 mi downstream of Dry Branch, 0.5 mi southwest of Leeds, and 13.8 mi upstream from mouth.
DRAINAGE AREA.--17.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is 595.50 ft above sea level (levels by Jefferson County Engineering Department).

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.

REVISIONS.--The peak for the 1998 water year is revised to gage height, 11.52 ft; discharge, 2,150 ft³/s on Jan. 7, 1998.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	6.8	8.1	27	156	40	54	11	18	140	13	5.4
2	11	5.9	7.7	96	93	33	43	12	17	73	12	7.5
3	8.3	7.6	7.3	80	66	104	33	11	16	61	10	6.1
4	7.3	5.7	6.4	44	61	50	34	12	11	47	11	5.8
5	9.1	7.6	6.5	35	48	40	26	11	45	37	9.8	5.7
6	6.7	5.6	9.2	30	42	81	29	98	18	32	12	6.0
7	9.7	5.3	9.1	30	38	50	28	23	16	52	9.5	6.2
8	13	7.1	22	28	35	38	24	18	12	33	11	6.2
9	8.8	12	14	43	30	80	22	14	13	26	9.7	8.2
10	8.2	23	11	32	28	50	20	17	12	29	9.6	6.5
11	8.6	16	14	27	27	39	20	13	11	53	11	5.6
12	8.1	16	22	25	24	36	19	12	25	42	9.6	5.5
13	8.0	11	32	22	23	120	16	15	19	28	9.4	6.0
14	6.8	56	19	27	20	180	17	13	132	26	9.8	4.4
15	8.7	33	16	26	20	75	55	11	121	20	9.3	4.3
16	7.5	22	13	22	19	57	23	13	56	35	8.6	8.7
17	7.6	17	14	20	35	51	21	14	44	25	8.4	8.7
18	6.1	15	12	23	39	41	17	39	27	20	9.5	5.5
19	7.4	11	15	17	34	40	17	19	22	48	8.0	5.5
20	7.1	10	13	19	26	35	13	13	19	54	7.8	5.1
21	6.9	12	12	19	23	42	16	13	17	33	8.2	12
22	6.8	10	13	22	22	30	12	17	16	40	7.8	7.0
23	6.9	10	27	254	20	28	14	18	18	31	7.3	5.8
24	5.9	9.2	167	67	21	27	11	21	45	26	8.1	6.0
25	6.9	13	48	47	21	36	15	14	75	20	9.0	4.8
26	7.0	10	37	40	19	31	13	13	105	20	8.3	5.1
27	6.5	8.9	25	33	41	25	13	13	164	17	7.0	6.3
28	6.3	8.2	98	33	78	24	16	11	1340	15	6.0	5.2
29	7.1	7.5	54	39	---	26	16	12	348	17	8.0	9.9
30	5.6	8.6	37	253	---	27	14	11	134	17	5.8	7.3
31	6.9	---	32	312	---	83	---	27	---	15	7.0	---
TOTAL	238.9	391.0	821.3	1792	1109	1619	671	559	2916	1132	281.5	192.3
MEAN	7.71	13.0	26.5	57.8	39.6	52.2	22.4	18.0	97.2	36.5	9.08	6.41
MAX	13	56	167	312	156	180	55	98	1340	140	13	12
MIN	5.6	5.3	6.4	17	19	24	11	11	11	15	5.8	4.3
CFSM	.45	.77	1.56	3.40	2.33	3.07	1.32	1.06	5.72	2.15	.53	.38
IN.	.52	.86	1.80	3.92	2.43	3.54	1.47	1.22	6.38	2.48	.62	.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1999, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999
MEAN	19.2	27.2	31.2	80.6	59.8
MAX	38.6	52.0	36.6	112	79.8
(WY)	1996	1996	1996	1998	1998
MIN	7.71	13.0	26.5	57.8	39.6
(WY)	1999	1999	1999	1999	1999

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1995 - 1999

ANNUAL TOTAL	14188.5	11723.0	
ANNUAL MEAN	38.9	32.1	38.2
HIGHEST ANNUAL MEAN			41.2
LOWEST ANNUAL MEAN			32.1
HIGHEST DAILY MEAN	1080	1340	1340
LOWEST DAILY MEAN	5.3	4.3	4.3
ANNUAL SEVEN-DAY MINIMUM	6.4	5.7	4.8
INSTANTANEOUS PEAK FLOW		2960	2960
INSTANTANEOUS PEAK STAGE		12.92	12.92
ANNUAL RUNOFF (CFSM)	2.29	1.89	2.25
ANNUAL RUNOFF (INCHES)	31.05	25.65	30.57
10 PERCENT EXCEEDS	72	54	66
50 PERCENT EXCEEDS	19	17	20
90 PERCENT EXCEEDS	8.0	6.8	7.7

MOBILE RIVER BASIN

02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1995 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1995 to current year.

WATER TEMPERATURE: June 1995 to current year.

DISSOLVED OXYGEN: June 1995 to current year.

INSTRUMENTATION.--Water-quality monitor since June 1995.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 611 microSiemens, Oct. 17, 1996; minimum, 71 microSiemens, Jan. 8, 1998.

WATER TEMPERATURE: Maximum, 26.9°C, July 22, 1999; minimum, 4.4°C, Feb. 3, 1996.

DISSOLVED OXYGEN: Maximum, 14.4 mg/L, Feb. 28, 1998; minimum, 3.1 mg/L, June 19, 1998 and April 4, 1999.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 508 microSiemens, June 10; minimum, 78 microSiemens, May 6.

WATER TEMPERATURE: Maximum, 26.9°C, July 22; minimum, 6.3°C, Jan. 4.

DISSOLVED OXYGEN: Maximum, 14.0 mg/L, Jan. 10, 11; minimum, 3.1 mg/L, April 4.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	436	344	356	432	352	385	436	382	405	409	369	398
2	435	375	415	390	349	359	458	384	407	426	195	339
3	450	356	380	434	352	392	456	390	405	301	228	273
4	391	355	362	366	354	360	400	387	395	346	300	330
5	444	359	392	440	357	396	396	384	390	377	333	360
6	386	355	361	369	353	360	463	395	430	394	377	386
7	450	350	389	363	353	357	462	313	395	402	372	391
8	411	333	380	459	349	370	393	274	352	433	360	405
9	424	335	361	424	293	350	378	307	347	412	275	335
10	455	334	364	348	225	311	422	358	390	401	316	374
11	474	352	378	314	205	261	426	308	390	421	337	391
12	431	360	383	447	314	396	404	332	360	440	352	399
13	460	355	380	467	361	407	371	289	337	438	381	411
14	367	360	363	404	186	285	413	359	380	441	298	400
15	428	357	384	343	295	317	430	381	408	430	341	377
16	423	360	377	409	311	378	459	396	426	444	377	406
17	444	357	390	431	366	393	478	412	438	449	381	414
18	378	354	365	443	358	404	485	413	436	451	371	413
19	440	355	380	458	383	407	473	397	432	418	371	387
20	442	356	378	450	395	408	452	402	420	480	393	425
21	436	354	378	469	391	422	460	399	432	456	291	418
22	456	350	370	478	390	415	484	403	423	443	363	404
23	430	348	370	466	390	416	484	237	368	373	140	206
24	408	352	362	475	397	417	310	148	212	309	229	269
25	418	349	377	439	384	396	348	282	315	332	274	315
26	424	352	377	437	367	392	390	323	373	365	304	352
27	418	351	370	446	379	403	396	363	383	375	320	360
28	367	350	357	475	378	400	415	195	282	385	338	364
29	433	356	382	437	384	398	345	260	302	391	197	356
30	369	350	356	455	388	416	386	319	350	253	165	218
31	434	357	389	---	---	---	394	351	382	236	196	216
MONTH	474	333	375	478	186	379	485	148	380	480	140	358

MOBILE RIVER BASIN

02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	281	236	257	321	250	300	316	252	281	420	360	374
2	334	280	305	342	286	322	344	316	332	433	371	396
3	358	334	346	314	171	219	355	332	344	431	377	390
4	366	330	350	317	256	287	382	317	364	435	375	401
5	398	358	384	345	289	323	376	344	365	434	354	382
6	407	391	395	347	224	273	406	334	369	359	78	215
7	426	407	416	329	296	314	387	334	375	329	252	299
8	431	417	422	344	311	327	392	370	382	376	329	355
9	423	367	400	344	268	285	404	369	383	378	357	368
10	406	340	386	317	273	297	402	373	386	399	337	362
11	416	378	404	339	317	332	412	371	392	399	318	352
12	417	389	406	361	339	349	419	369	396	355	337	347
13	429	387	408	352	335	348	430	376	392	415	342	367
14	429	381	410	335	291	313	430	375	397	407	351	366
15	429	396	417	321	301	308	377	198	275	414	353	362
16	433	374	405	330	289	312	365	313	336	415	362	381
17	429	314	390	359	305	336	407	365	381	420	363	395
18	371	308	342	359	333	347	400	374	382	373	170	308
19	367	332	354	399	335	371	417	365	392	383	285	322
20	399	322	368	395	339	378	386	365	380	384	351	367
21	407	342	391	380	345	360	434	378	399	414	362	391
22	417	362	402	398	348	371	387	366	382	441	295	369
23	424	363	401	412	378	393	440	375	397	381	302	345
24	423	366	397	396	363	385	393	374	381	367	314	345
25	413	366	392	398	301	355	453	376	401	406	354	380
26	417	373	395	376	335	353	444	375	395	415	377	397
27	428	143	361	397	345	373	388	346	374	437	388	409
28	296	154	235	396	358	376	391	354	369	437	383	404
29	---	---	---	402	347	384	432	363	388	458	396	421
30	---	---	---	396	342	373	419	358	379	468	394	416
31	---	---	---	387	178	272	---	---	---	406	225	310
MONTH	433	143	376	412	171	333	453	198	372	468	78	364
JUNE				JULY			AUGUST			SEPTEMBER		
1	391	308	359	293	198	248	447	384	407	374	355	368
2	432	225	364	327	293	315	440	382	407	436	361	393
3	401	362	386	351	327	338	452	380	398	425	360	383
4	466	388	405	371	351	360	437	329	397	427	359	380
5	446	159	320	383	371	377	451	381	398	445	361	375
6	436	364	407	396	381	388	451	385	413	434	367	380
7	446	425	439	401	153	344	442	380	397	439	366	391
8	468	420	438	407	359	389	441	374	407	439	360	386
9	470	423	453	411	401	406	437	376	401	413	355	378
10	508	420	441	415	235	396	435	377	393	423	351	374
11	496	418	450	384	184	323	467	382	413	426	346	367
12	459	227	350	378	222	325	448	379	406	423	341	371
13	427	313	367	396	365	385	452	376	400	447	353	384
14	---	---	---	409	396	401	491	361	410	371	355	365
15	---	---	---	415	390	403	445	375	407	375	358	367
16	---	---	---	406	185	354	446	371	399	443	359	396
17	---	---	---	395	344	372	441	380	401	415	354	377
18	---	---	---	407	383	397	441	374	396	428	350	369
19	405	375	390	416	181	347	432	372	387	435	346	371
20	408	385	396	361	220	303	454	374	389	414	355	368
21	415	383	398	365	252	323	451	380	404	373	252	319
22	436	381	398	391	185	341	440	380	400	411	331	366
23	411	362	391	388	327	369	436	366	395	427	340	365
24	362	237	293	400	388	395	436	358	388	426	346	376
25	364	144	302	411	393	401	419	354	374	367	353	360
26	308	171	242	422	393	413	431	333	390	448	359	373
27	255	192	221	435	391	413	426	366	378	433	348	389
28	268	83	141	444	393	410	375	365	371	426	362	376
29	245	113	197	433	334	400	438	367	404	406	303	363
30	287	242	270	415	339	365	435	368	381	418	342	370
31	---	---	---	432	382	404	434	362	398	---	---	---
MONTH	---	---	---	444	153	368	491	329	397	448	252	373

MOBILE RIVER BASIN

02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	22.5	20.1	21.0	19.2	15.8	17.3	16.8	14.5	15.4	12.3	9.4	11.2
2	22.7	20.6	21.4	17.7	16.4	17.1	16.5	13.9	15.0	12.4	10.0	11.2
3	22.4	20.1	21.0	17.9	15.7	17.1	17.2	14.9	15.8	10.0	7.9	9.0
4	22.9	20.4	21.4	17.1	15.0	15.8	17.4	14.6	16.0	8.9	6.3	7.8
5	22.5	20.8	21.7	16.0	13.8	15.1	18.7	16.3	17.4	8.0	6.4	7.1
6	22.0	20.7	21.2	14.6	12.3	13.4	19.2	17.2	18.1	9.4	7.1	8.3
7	21.7	20.6	21.2	14.3	11.5	12.8	19.5	17.8	18.5	11.9	8.6	10.5
8	21.5	19.5	20.4	14.4	12.8	13.7	19.1	17.3	18.5	13.5	11.2	12.5
9	19.5	17.1	18.2	17.1	14.3	15.5	17.3	14.2	15.6	13.7	8.9	11.6
10	19.1	16.7	17.7	18.2	16.1	16.8	14.8	13.6	14.2	9.8	7.1	8.6
11	20.1	16.5	17.9	17.0	14.6	16.0	14.7	13.6	14.3	10.9	6.8	9.1
12	19.6	17.1	18.2	15.8	14.0	15.0	14.6	12.9	13.8	12.3	8.2	10.6
13	20.8	16.9	18.2	16.4	15.1	15.8	14.5	13.7	14.1	14.1	11.7	13.1
14	19.5	16.5	17.6	15.8	14.1	15.1	14.2	13.1	13.9	15.4	13.1	14.1
15	19.2	16.0	17.4	16.6	15.6	16.1	13.9	11.3	12.8	13.1	11.4	12.2
16	19.6	17.1	18.2	17.7	15.5	16.8	13.2	11.0	12.2	12.8	10.1	11.4
17	20.5	17.0	18.4	18.2	15.8	17.1	12.7	11.5	12.0	15.0	11.3	13.3
18	20.4	17.6	18.8	16.5	14.3	15.7	12.3	10.2	11.4	14.8	13.1	14.2
19	20.5	18.5	19.5	17.5	16.1	16.7	13.3	11.7	12.4	13.8	11.3	12.7
20	20.3	18.3	19.3	17.1	15.0	16.6	14.7	13.1	13.9	15.7	12.8	14.1
21	19.2	16.7	17.8	15.9	13.3	14.6	16.1	14.7	15.3	17.1	14.3	15.7
22	17.7	15.3	16.5	15.9	12.9	14.3	16.3	12.1	14.0	16.8	15.5	16.2
23	16.8	14.0	15.3	17.0	15.0	16.1	12.4	8.2	10.4	16.8	14.5	15.5
24	16.8	13.4	15.0	17.8	16.1	16.9	9.7	7.2	8.7	14.5	12.6	13.7
25	17.8	13.4	15.3	16.8	15.9	16.3	10.9	9.6	10.1	14.4	11.6	12.9
26	18.0	13.9	15.6	17.0	14.6	16.0	12.0	10.3	11.3	15.1	12.2	13.6
27	18.0	14.4	15.9	16.0	13.7	14.6	11.9	10.1	11.2	16.1	13.2	14.5
28	18.0	14.6	16.0	15.8	13.1	14.3	11.8	9.3	10.6	16.4	14.1	15.1
29	18.7	15.0	16.6	15.9	13.1	14.3	12.3	11.1	11.7	16.8	14.7	15.6
30	19.1	15.7	17.2	16.1	13.3	14.6	11.4	10.0	10.8	15.1	13.7	14.5
31	19.4	16.8	17.9	---	---	---	12.3	9.8	11.0	13.7	11.4	12.6
MONTH	22.9	13.4	18.3	19.2	11.5	15.6	19.5	7.2	13.6	17.1	6.3	12.3
FEBRUARY				MARCH			APRIL			MAY		
1	12.2	11.1	11.6	15.3	11.5	13.2	18.8	14.5	16.3	18.3	14.8	16.6
2	14.4	12.2	13.2	15.6	11.1	13.6	19.3	15.7	17.3	19.2	15.2	17.3
3	14.6	12.6	13.6	14.2	11.3	12.7	21.5	16.8	18.9	19.6	16.1	18.0
4	15.5	13.7	14.4	13.7	9.2	11.6	20.6	18.1	19.1	19.9	16.9	18.5
5	14.8	12.1	13.4	14.1	10.7	12.3	22.1	17.4	19.5	19.6	17.8	18.7
6	16.0	12.4	14.0	15.1	11.8	13.5	19.6	18.6	19.1	19.6	18.0	18.9
7	17.5	14.8	15.7	14.5	11.6	13.0	22.2	18.2	19.7	20.2	18.0	19.0
8	17.2	14.2	15.6	12.8	11.1	12.0	21.5	18.9	20.1	20.5	16.5	18.5
9	17.0	14.6	15.8	14.2	10.1	12.1	21.6	18.9	20.0	20.4	16.9	18.8
10	17.4	15.7	16.3	14.9	11.4	12.9	21.5	19.0	20.2	21.4	17.9	19.6
11	18.0	15.6	16.7	14.3	11.7	12.8	21.9	19.3	20.5	20.8	18.0	19.7
12	16.9	13.0	15.1	15.1	10.7	13.0	20.2	17.3	18.8	20.6	19.2	19.9
13	13.5	11.6	12.5	13.4	9.0	12.2	19.1	15.4	17.4	20.8	18.5	19.6
14	13.5	10.3	11.8	11.2	9.1	10.5	18.8	15.7	17.3	20.4	17.2	18.9
15	13.7	10.2	11.9	13.4	9.9	11.6	18.8	16.5	17.5	19.7	17.4	18.6
16	14.5	11.5	12.9	15.4	10.7	13.0	18.1	15.0	16.5	20.9	18.1	19.7
17	14.5	13.3	14.0	15.7	11.9	13.7	16.7	14.6	15.6	21.7	18.8	20.3
18	13.6	12.3	13.1	17.6	12.7	15.0	16.9	13.3	15.2	21.4	18.9	20.0
19	14.0	12.0	12.9	17.4	13.5	15.3	18.5	13.4	16.0	21.5	18.6	20.0
20	14.8	11.2	12.9	16.7	13.1	15.1	19.8	15.8	17.8	20.5	17.8	19.3
21	13.9	10.3	12.5	16.9	13.8	15.0	20.4	16.3	18.4	21.6	18.2	20.0
22	12.6	9.8	11.1	17.4	12.7	14.9	20.1	17.0	18.7	22.0	18.6	20.1
23	10.9	9.6	10.6	16.3	12.9	14.9	21.1	18.1	19.6	21.9	19.4	20.7
24	13.6	9.9	11.5	16.6	15.7	16.0	20.4	18.7	19.5	22.0	19.9	21.0
25	13.1	10.7	11.9	15.7	13.7	14.8	20.4	18.2	19.3	21.3	18.6	20.0
26	16.0	12.5	14.2	16.5	12.3	14.2	19.7	18.1	18.9	20.9	19.2	19.9
27	15.7	13.5	14.7	16.7	12.2	14.3	19.9	18.4	19.1	21.4	19.2	20.2
28	15.0	12.7	13.6	18.0	12.6	15.1	21.2	18.4	19.6	20.9	18.0	19.6
29	---	---	---	16.9	14.6	15.6	19.7	17.2	18.2	21.3	18.6	20.0
30	---	---	---	15.8	14.8	15.2	17.6	16.2	16.8	20.6	19.2	20.0
31	---	---	---	14.9	13.1	14.2	---	---	---	21.3	19.3	20.4
MONTH	18.0	9.6	13.5	18.0	9.0	13.7	22.2	13.3	18.4	22.0	14.8	19.4

02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	21.8	20.0	20.9	22.9	21.7	22.3	25.6	21.9	23.7	22.8	20.1	21.3
2	23.5	19.9	21.3	23.1	21.8	22.3	24.5	21.9	23.4	23.1	19.6	21.4
3	23.1	20.7	21.8	23.7	21.6	22.5	24.1	21.7	22.7	22.4	20.6	21.5
4	22.8	20.2	21.6	24.1	22.0	22.8	23.9	21.5	22.8	23.3	20.2	21.5
5	22.1	20.7	21.4	24.5	21.7	22.9	23.3	20.9	22.3	23.5	20.9	22.0
6	22.8	19.8	21.4	24.4	22.5	23.4	23.8	21.2	22.6	23.3	21.4	22.3
7	23.1	20.1	21.6	24.0	22.2	23.0	23.9	21.1	22.6	23.7	20.8	22.1
8	22.9	19.8	21.5	23.7	21.6	22.6	23.6	21.7	22.6	23.4	20.7	21.8
9	23.2	20.9	22.1	23.9	21.6	22.7	24.0	21.5	22.9	22.7	20.5	21.4
10	23.0	20.5	21.8	24.0	21.8	22.7	23.8	22.0	22.6	22.3	19.5	20.7
11	22.2	20.6	21.2	24.7	22.2	23.1	25.8	21.5	23.3	21.5	18.7	20.0
12	23.7	20.1	21.7	23.4	22.0	22.7	25.3	22.1	23.8	22.4	19.1	20.4
13	23.3	21.2	22.1	22.2	21.4	21.7	25.1	22.7	23.8	22.7	19.5	20.9
14	---	---	---	22.7	20.5	21.6	25.5	22.1	23.8	22.7	20.0	21.1
15	---	---	---	22.9	20.2	21.6	23.9	20.6	22.2	21.6	18.6	19.8
16	---	---	---	24.6	20.3	21.6	24.0	20.5	22.0	21.2	18.1	19.5
17	---	---	---	23.5	20.8	21.9	24.3	21.3	22.6	20.4	18.1	19.1
18	---	---	---	23.7	21.1	22.2	24.1	21.3	22.9	20.3	17.5	19.0
19	21.8	19.4	20.4	25.1	20.7	22.7	24.3	21.4	22.9	20.9	19.0	19.9
20	21.8	18.5	20.0	25.1	22.1	23.3	24.3	21.7	23.0	20.9	19.7	20.2
21	21.5	18.8	20.3	24.1	22.2	23.2	23.6	21.3	22.6	20.3	18.6	19.7
22	21.8	18.9	20.5	26.9	22.2	23.4	23.1	21.0	22.1	19.2	16.9	18.0
23	21.3	19.7	20.6	24.9	22.3	23.5	23.7	21.4	22.5	19.0	15.8	17.2
24	23.0	21.1	21.9	24.5	22.5	23.2	23.1	21.5	22.2	19.6	16.5	17.7
25	24.5	21.1	22.1	24.5	21.1	22.7	23.0	21.4	22.1	20.1	17.0	18.3
26	23.6	22.0	22.7	24.7	21.6	23.1	23.4	21.1	22.3	20.3	17.7	18.8
27	23.1	21.9	22.5	25.4	21.2	23.1	22.8	21.1	22.0	21.5	19.4	20.3
28	23.6	22.1	22.8	24.8	21.2	23.0	23.1	20.7	21.8	21.9	20.1	20.8
29	23.5	22.3	22.7	25.4	21.6	23.3	24.1	20.7	22.3	20.8	19.7	20.5
30	22.8	21.9	22.3	24.8	22.3	23.7	23.4	20.7	21.9	19.7	17.2	18.4
31	---	---	---	26.5	22.7	23.8	22.9	20.7	21.6	---	---	---
MONTH	---	---	---	26.9	20.2	22.8	25.8	20.5	22.6	23.7	15.8	20.2

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9.8	6.6	8.3	8.8	6.7	7.7	11.7	8.6	9.7	12.0	10.7	11.4
2	9.7	8.1	9.0	7.7	6.2	7.2	9.9	6.9	8.9	11.8	10.7	11.2
3	9.5	7.9	8.5	8.1	5.5	7.0	10.6	7.5	8.7	12.2	11.5	11.9
4	8.7	6.1	7.7	8.5	6.4	7.4	9.3	6.8	8.0	13.0	12.0	12.5
5	---	---	---	9.0	7.1	8.0	10.4	7.0	9.2	13.0	12.3	12.6
6	---	---	---	9.6	7.8	8.7	10.0	6.3	7.9	12.6	11.6	12.1
7	---	---	---	10.0	8.5	9.1	10.6	6.6	8.5	11.7	10.0	11.1
8	---	---	---	9.4	8.4	8.8	7.9	6.0	6.6	11.4	5.2	8.9
9	---	---	---	9.9	8.3	9.0	7.9	6.2	6.8	13.0	7.0	11.6
10	---	---	---	9.4	8.4	8.8	8.9	7.9	8.7	14.0	13.0	13.5
11	---	---	---	9.9	8.8	9.4	8.4	7.4	7.9	14.0	12.7	13.5
12	---	---	---	11.4	8.7	10.8	7.6	7.3	7.5	13.5	12.7	13.1
13	---	---	---	11.3	10.4	10.8	7.4	7.2	7.3	13.0	8.5	11.9
14	10.2	7.5	9.2	12.0	7.6	10.2	7.4	7.1	7.3	9.0	6.7	8.1
15	10.2	9.2	9.6	9.4	6.3	8.2	7.7	7.3	7.5	12.7	9.0	11.3
16	10.0	8.3	9.3	8.1	6.5	7.1	10.7	7.6	9.1	13.4	12.3	12.7
17	9.8	8.4	9.1	9.9	8.0	8.8	10.5	9.3	9.9	13.1	11.5	12.3
18	9.5	8.2	8.7	11.8	8.0	9.8	10.4	9.4	9.8	12.9	8.1	11.0
19	9.7	8.2	8.7	10.6	5.2	8.5	10.0	9.1	9.5	12.4	5.9	10.1
20	9.7	8.2	8.7	8.2	4.9	7.0	9.8	6.4	8.4	13.3	8.4	11.5
21	9.7	8.2	8.8	9.1	5.5	7.6	7.7	5.5	6.2	9.5	6.2	8.6
22	10.2	8.2	9.1	10.2	5.1	7.8	10.1	5.4	8.0	10.8	5.9	8.3
23	10.3	9.1	9.6	8.7	4.8	6.3	11.8	9.7	10.8	10.3	6.0	8.2
24	10.1	9.0	9.6	7.8	6.1	6.7	12.6	9.9	12.1	12.2	8.6	10.0
25	10.0	8.5	9.2	8.6	5.6	6.8	12.4	11.5	11.9	10.7	6.5	8.8
26	9.7	8.3	8.8	8.4	6.2	7.5	11.8	11.4	11.6	---	---	---
27	9.3	7.6	8.4	8.7	6.5	7.8	11.5	10.6	11.2	12.7	10.9	11.9
28	9.0	7.6	8.2	9.5	7.5	8.4	12.0	10.8	11.4	12.3	10.5	11.5
29	9.3	7.4	8.1	8.9	7.2	8.0	11.2	10.6	10.9	12.0	10.6	11.2
30	9.0	7.0	7.9	10.8	7.3	9.1	11.8	10.7	11.2	---	---	---
31	8.4	6.6	7.5	---	---	---	11.8	10.9	11.3	---	---	---
MONTH	---	---	---	12.0	4.8	8.3	12.6	5.4	9.2	---	---	---

MOBILE RIVER BASIN

02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL

LOCATION.--Lat 33°31'27", long 86°34'32", in SE $\frac{1}{4}$ sec. 30, T. 17 S., R. 1 E., Jefferson County, Hydrologic Unit 03150202, on left bank on downstream side bridge on county road, 1.2 mi downstream from Dry Creek, 2.0 mi southwest of Leeds, and 12.8 mi upstream from mouth.

DRAINAGE AREA.--19.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1976 to September 1980 (gage heights and discharge measurements in files of Barton Laboratories), October 1980 to September 1981, May 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is 586.84 ft above sea level.

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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	11	9.8	31	214	44	71	14	23	178	15	6.0
2	14	11	9.5	111	128	35	52	15	21	101	13	8.0
3	10	14	9.2	107	85	133	40	14	21	84	12	6.9
4	9.7	11	8.1	54	75	61	40	15	14	64	13	6.4
5	12	14	8.1	42	54	46	33	15	58	49	11	6.0
6	9.1	11	11	36	46	102	34	123	23	44	13	7.3
7	12	11	10	35	40	59	33	32	21	91	11	7.2
8	17	14	25	33	37	43	29	24	16	51	11	7.4
9	12	22	19	51	31	102	26	20	18	39	10	10
10	11	32	13	38	29	61	24	22	15	39	10	7.9
11	11	24	17	32	27	45	24	18	14	73	12	6.8
12	11	20	26	29	24	40	24	18	29	69	10	7.2
13	10	15	39	27	22	123	21	19	25	41	10	8.2
14	8.7	67	23	31	20	247	22	16	136	37	10	6.5
15	11	42	19	30	20	102	70	14	168	29	9.5	6.6
16	11	28	17	26	18	72	28	17	72	57	8.6	11
17	9.7	21	18	23	36	59	26	18	54	40	8.5	12
18	8.3	19	15	27	43	46	23	51	33	30	9.4	7.1
19	9.3	14	18	20	35	42	23	26	27	65	8.4	6.8
20	9.6	13	17	22	27	36	19	19	24	69	7.8	7.1
21	10	14	15	22	24	46	21	18	21	41	9.3	15
22	9.6	12	16	25	22	30	17	22	20	50	8.2	8.8
23	9.6	12	32	293	21	29	19	23	21	36	8.0	7.5
24	9.4	12	197	92	21	28	16	26	52	30	9.4	7.5
25	10	15	60	58	21	37	20	18	92	23	10	5.8
26	10	13	46	48	20	31	18	17	141	22	8.8	6.0
27	9.6	11	32	42	38	25	17	17	218	20	8.3	8.0
28	9.6	9.5	118	40	102	24	21	14	1490	18	6.9	6.7
29	10	9.8	69	41	---	25	21	14	445	18	9.0	12
30	9.2	11	44	306	---	26	19	14	178	20	6.8	9.8
31	11	---	38	393	---	105	---	31	---	16	7.8	---
TOTAL	324.4	533.3	998.7	2165	1280	1904	851	724	3490	1544	305.7	239.5
MEAN	10.5	17.8	32.2	69.8	45.7	61.4	28.4	23.4	116	49.8	9.86	7.98
MAX	17	67	197	393	214	247	71	123	1490	178	15	15
MIN	8.3	9.5	8.1	20	18	24	16	14	14	16	6.8	5.8
CFSM	.54	.92	1.66	3.60	2.36	3.17	1.46	1.20	6.00	2.57	.51	.41
IN.	.62	1.02	1.92	4.15	2.45	3.65	1.63	1.39	6.69	2.96	.59	.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1999, BY WATER YEAR (WY)

MEAN	19.6	32.3	34.1	66.2	68.7	73.1	42.1	23.8	35.7	30.9	14.9	19.5
MAX	49.2	93.7	66.5	147	163	126	66.0	56.1	116	99.7	33.8	60.4
(WY)	1996	1993	1993	1998	1990	1996	1998	1991	1999	1989	1998	1994
MIN	8.75	12.3	11.2	8.79	37.1	39.6	22.3	10.4	6.02	7.65	6.37	7.98
(WY)	1992	1991	1981	1981	1993	1992	1990	1988	1988	1995	1988	1999

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1981 - 1999

ANNUAL TOTAL	17693.6	14359.6	
ANNUAL MEAN	48.5	39.3	38.6
HIGHEST ANNUAL MEAN			50.7
LOWEST ANNUAL MEAN			24.6
HIGHEST DAILY MEAN	1510	1490	1510
LOWEST DAILY MEAN	8.1	5.8	4.4
ANNUAL SEVEN-DAY MINIMUM	9.4	6.8	4.9
INSTANTANEOUS PEAK FLOW		3100	3100
INSTANTANEOUS PEAK STAGE		12.11	12.11
ANNUAL RUNOFF (CFSM)	2.50	2.03	1.99
ANNUAL RUNOFF (INCHES)	33.93	27.53	27.06
10 PERCENT EXCEEDS	94	71	68
50 PERCENT EXCEEDS	23	21	21
90 PERCENT EXCEEDS	11	8.7	8.3

MOBILE RIVER BASIN

02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: September 1988 to current year.

WATER TEMPERATURE: September 1988 to current year.

DISSOLVED OXYGEN: September 1988 to current year.

INSTRUMENTATION.--Water-quality monitor since September 1988.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 631 microSiemens, Mar. 11, 1991; minimum, 78 microSiemens, Jan. 26, 1996.

WATER TEMPERATURE: Maximum, 28.2°C, June 7, 1992; minimum, 4.5°C, Feb. 3, 1996.

DISSOLVED OXYGEN: Maximum, 14.8 mg/L, Jan. 10-12, 1994; minimum, 2.0 mg/L, Sept. 9, 1988.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 476 microSiemens, Aug. 14; minimum, 82 microSiemens, June 28.

WATER TEMPERATURE: Maximum, 26.0°C, July 22; minimum, 7.3°C, Jan. 5.

DISSOLVED OXYGEN: Maximum, 12.4 mg/L, Mar. 28; minimum, 5.1 mg/L, Sept. 1.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	374	355	367	371	327	342	429	402	413	402	373	393
2	420	366	408	371	331	351	441	401	424	409	161	325
3	419	369	390	366	331	350	442	410	421	290	198	252
4	423	369	392	403	342	380	419	409	415	344	290	324
5	416	380	395	440	397	416	418	401	410	374	325	355
6	413	376	391	433	387	405	447	414	432	384	370	379
7	420	374	396	408	382	394	446	376	423	390	352	380
8	389	356	378	436	373	399	394	313	367	422	363	399
9	409	349	387	406	331	379	370	307	348	422	310	356
10	413	345	375	377	252	342	407	359	388	401	346	383
11	436	364	391	326	242	271	411	356	389	417	370	396
12	410	378	395	432	326	384	382	337	358	430	384	406
13	435	368	389	435	381	411	382	309	341	433	397	419
14	427	375	389	450	201	315	395	350	374	436	371	412
15	408	368	381	336	275	312	418	385	398	424	366	386
16	421	386	404	392	318	358	424	399	413	435	394	411
17	428	375	389	415	369	392	427	396	409	440	398	425
18	429	372	398	418	368	394	432	401	419	440	390	415
19	415	374	386	434	393	407	429	386	406	424	391	405
20	421	380	401	441	406	420	414	390	400	463	404	429
21	420	333	384	450	406	425	423	389	407	446	384	428
22	379	325	344	452	404	428	433	389	401	436	380	408
23	350	325	334	449	405	419	439	305	376	417	123	203
24	366	329	348	450	413	434	316	135	210	317	235	282
25	363	328	342	440	396	414	334	262	304	350	301	334
26	365	330	349	431	394	411	373	324	356	384	340	369
27	362	324	341	430	391	411	388	365	378	394	358	383
28	357	324	337	425	400	408	388	189	276	401	372	387
29	371	328	343	448	398	414	339	259	297	408	219	381
30	365	326	340	445	406	422	378	323	347	243	142	191
31	367	334	351	---	---	---	388	353	377	208	154	179
MONTH	436	324	375	452	201	387	447	135	377	463	123	361

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	270	208	235	352	299	330	305	245	272	406	363	384
2	323	270	296	372	335	357	333	305	320	423	373	387
3	351	321	331	355	185	243	345	328	337	423	383	402
4	355	325	339	319	272	305	369	330	356	430	377	403
5	380	355	368	341	312	325	369	349	361	419	372	398
6	392	366	378	344	202	264	390	350	366	384	135	241
7	400	375	393	326	291	311	382	338	368	338	256	313
8	409	400	402	347	314	330	385	373	381	385	338	361
9	417	392	406	347	185	245	394	369	377	390	372	382
10	428	388	412	318	273	299	398	368	387	411	360	375
11	433	406	423	334	318	327	404	376	392	413	373	391
12	436	406	425	362	328	345	407	380	397	387	366	375
13	440	409	422	352	97	294	410	380	394	411	367	386
14	444	410	426	237	97	183	411	384	400	410	375	383
15	445	417	437	293	234	263	390	205	284	420	376	389
16	448	402	424	315	293	305	349	322	334	429	380	403
17	445	305	394	344	310	326	385	349	371	433	383	409
18	373	289	336	349	338	343	389	366	376	433	142	334
19	376	351	363	375	340	355	404	371	386	384	293	342
20	390	346	375	374	349	366	383	376	379	401	382	393
21	404	366	395	371	337	349	422	374	388	426	385	404
22	416	373	401	371	345	360	422	379	388	424	308	391
23	420	387	410	381	359	371	430	375	394	400	339	372
24	423	381	404	390	365	380	425	375	385	386	328	363
25	416	392	406	388	300	355	432	377	394	408	361	392
26	421	396	410	373	339	350	429	384	404	454	390	408
27	432	160	375	387	346	367	391	361	379	429	396	415
28	325	158	256	388	360	375	392	366	374	433	398	416
29	---	---	---	391	365	380	421	369	397	437	397	419
30	---	---	---	387	353	372	405	363	377	438	394	419
31	---	---	---	381	185	278	---	---	---	437	236	330
MONTH	448	158	380	391	97	324	432	205	371	454	135	380
	JUNE			JULY			AUGUST			SEPTEMBER		
1	394	308	360	303	218	263	444	407	426	425	386	407
2	410	282	363	336	303	325	446	403	427	448	382	418
3	394	327	379	360	336	348	444	396	414	442	390	417
4	412	361	378	384	360	371	439	401	422	445	389	419
5	419	191	305	395	384	390	435	397	410	433	387	411

MOBILE RIVER BASIN

02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	22.5	20.8	21.8	17.9	16.3	17.3	16.1	14.2	15.3	12.3	10.1	11.4
2	22.3	20.3	21.4	18.0	17.2	17.5	15.9	13.6	14.8	12.4	10.3	11.5
3	22.3	21.0	21.7	18.0	16.2	17.1	16.6	14.8	15.7	10.3	8.8	9.5
4	22.7	21.3	22.1	16.3	15.3	15.8	17.0	14.6	16.0	9.2	8.0	8.7
5	22.9	21.3	22.3	15.6	14.2	15.0	18.3	16.7	17.5	8.6	7.3	7.9
6	22.6	21.6	22.1	14.2	12.5	13.1	18.9	17.5	18.2	10.0	7.9	8.9
7	22.1	21.4	21.8	12.9	11.3	12.2	19.3	18.1	18.7	12.3	9.8	11.0
8	21.4	19.3	20.5	14.6	12.8	13.5	19.1	17.3	18.6	13.6	11.9	12.8
9	19.3	17.5	18.5	16.8	14.6	15.6	17.3	14.2	15.8	13.7	9.8	12.1
10	18.9	16.4	17.9	17.8	16.3	16.9	14.9	13.3	14.3	10.0	8.1	9.3
11	19.8	16.6	18.1	17.0	14.5	16.1	14.6	14.1	14.4	10.9	8.0	9.5
12	19.5	16.9	18.4	15.3	13.6	14.6	14.5	13.5	13.9	12.4	9.7	10.9
13	19.5	16.9	18.3	16.3	15.1	15.7	14.6	14.0	14.2	14.1	12.1	13.2
14	19.1	16.7	18.0	16.0	14.5	15.2	14.0	13.2	13.8	15.1	13.4	14.3
15	18.8	16.0	17.5	16.5	15.5	16.1	13.2	11.9	12.6	13.4	11.8	12.5
16	19.5	17.6	18.6	17.5	15.7	16.7	12.6	11.1	12.0	12.7	10.5	11.7
17	19.6	17.3	18.5	17.7	16.1	17.1	12.3	11.3	11.9	14.8	12.1	13.3
18	20.0	18.5	19.4	16.5	14.5	15.6	12.0	10.2	11.1	14.9	13.3	14.3
19	20.7	19.4	20.1	17.4	16.1	16.8	13.2	11.6	12.3	13.5	11.5	12.7
20	20.4	18.8	19.8	17.2	15.2	16.7	14.5	13.2	13.8	15.0	13.4	14.1
21	19.1	17.5	18.1	15.2	13.4	14.4	15.9	14.5	15.2	16.5	14.6	15.6
22	17.8	15.8	16.5	15.4	12.9	14.2	16.0	11.8	13.9	16.6	15.7	16.2
23	15.9	14.0	15.1	16.9	15.3	16.1	11.8	10.0	10.8	16.7	14.9	15.7
24	15.5	13.9	14.9	17.6	16.4	16.9	10.2	7.9	9.0	14.9	13.3	14.1
25	16.1	13.8	15.1	17.3	15.8	16.5	11.2	9.8	10.4	14.6	12.2	13.4
26	16.5	14.4	15.6	16.6	14.7	15.9	12.0	10.9	11.5	15.1	12.9	13.9
27	16.7	14.6	15.9	15.2	13.1	14.3	12.1	10.9	11.5	15.7	13.6	14.6
28	17.0	14.9	16.1	14.9	12.6	13.9	12.1	9.9	11.0	16.2	14.3	15.1
29	17.4	15.2	16.5	14.9	12.7	13.9	12.5	11.5	12.0	16.3	14.8	15.6
30	18.1	16.2	17.3	15.5	12.8	14.3	12.0	10.6	11.2	15.5	13.8	14.7
31	18.4	17.2	17.9	---	---	---	12.2	10.3	11.3	13.8	11.6	12.8
MONTH	22.9	13.8	18.6	18.0	11.3	15.5	19.3	7.9	13.6	16.7	7.3	12.6
FEBRUARY			MARCH			APRIL			MAY			
1	12.4	11.4	11.8	15.1	12.2	13.6	18.2	14.4	16.1	18.0	15.0	16.5
2	14.5	12.4	13.4	15.4	12.5	13.9	18.7	15.6	17.0	18.7	15.5	17.1
3	14.9	13.3	14.1	14.7	12.0	13.1	20.5	16.6	18.5	19.2	16.5	17.9
4	15.5	14.0	14.7	13.9	11.0	12.4	20.2	17.9	18.8	19.3	17.4	18.4
5	14.9	12.6	13.7	14.2	11.5	12.9	20.9	17.1	19.0	19.6	18.3	18.8
6	15.8	12.8	14.3	15.0	12.3	13.8	19.8	18.4	18.9	19.7	18.1	18.9
7	16.9	14.8	15.8	14.5	12.2	13.4	21.1	18.0	19.5	19.5	18.0	18.8
8	16.8	14.5	15.6	13.2	11.8	12.5	21.0	18.7	19.8	19.8	16.6	18.2
9	16.7	15.1	15.8	14.2	10.6	12.5	21.2	18.7	19.9	19.7	17.2	18.6
10	17.0	15.7	16.3	14.8	12.0	13.3	21.0	19.0	19.9	20.7	18.2	19.4
11	17.7	15.6	16.6	14.4	12.3	13.2	21.5	19.3	20.3	20.6	18.6	19.8
12	17.0	13.4	15.1	14.8	11.8	13.3	19.7	17.5	18.7	20.5	19.1	19.9
13	13.5	11.9	12.6	13.8	9.2	12.6	18.6	15.7	17.2	20.5	18.9	19.7
14	13.1	10.5	11.9	11.3	9.2	10.7	18.5	15.9	17.2	19.8	17.7	18.9
15	13.4	10.4	12.0	13.7	10.9	12.1	18.6	16.6	17.5	19.5	18.0	18.7
16	14.2	11.6	13.0	15.2	11.5	13.2	17.2	15.1	16.3	20.6	18.9	19.7
17	14.6	13.6	14.2	15.7	12.4	14.0	16.2	14.5	15.4	21.6	18.8	20.2
18	13.7	12.8	13.3	16.8	13.3	15.0	16.1	13.5	14.9	21.5	19.6	20.2
19	13.9	12.5	13.2	16.9	14.0	15.3	17.8	13.6	15.7	20.3	18.7	19.6
20	14.2	11.3	12.9	16.5	14.0	15.2	19.2	16.1	17.6	20.2	18.0	19.2
21	13.7	11.6	12.7	16.5	14.2	15.2	20.2	16.6	18.3	21.2	18.7	19.9
22	12.4	9.9	11.2	16.4	13.1	14.7	19.7	17.4	18.6	21.1	19.2	20.1
23	11.4	10.4	10.9	16.4	13.2	14.8	21.2	18.5	19.6	21.6	19.1	20.4
24	13.0	10.1	11.5	16.2	14.5	15.4	20.0	19.1	19.5	21.7	19.9	20.8
25	13.2	10.3	12.0	15.7	13.8	14.9	20.3	18.6	19.4	21.0	18.7	20.0
26	15.6	12.6	14.1	15.8	12.4	14.1	19.7	18.3	19.0	20.5	19.5	20.0
27	15.3	13.7	14.7	16.1	12.2	14.1	19.6	18.8	19.2	21.3	19.1	20.1
28	15.0	13.2	13.9	17.1	12.5	14.8	20.7	18.6	19.6	20.7	18.5	19.7
29	---	---	---	16.5	14.4	15.4	19.8	17.4	18.4	21.1	18.7	20.0
30	---	---	---	15.5	14.6	15.1	17.4	16.1	16.8	20.9	19.9	20.3
31	---	---	---	15.0	13.1	14.2	---	---	---	21.3	19.6	20.6
MONTH	17.7	9.9	13.6	17.1	9.2	13.8	21.5	13.5	18.2	21.7	15.0	19.4

MOBILE RIVER BASIN

02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	21.8	20.2	21.0	22.8	21.7	22.2	24.4	22.9	23.7	23.1	20.9	22.0
2	22.3	20.3	21.4	22.8	21.7	22.2	24.2	22.6	23.5	23.2	20.6	21.9
3	22.9	21.0	21.9	23.2	21.5	22.2	23.7	22.5	23.2	22.6	21.5	22.2
4	22.7	21.0	21.9	23.5	21.6	22.4	23.6	22.4	23.0	23.1	21.0	22.2
5	22.0	20.5	21.3	23.8	21.2	22.4	23.6	22.0	22.8	23.7	21.7	22.8
6	22.3	20.0	21.2	23.7	22.0	22.9	23.6	22.0	22.8	23.7	22.4	23.1
7	22.6	20.3	21.4	23.6	21.7	22.6	24.0	21.9	22.9	23.6	21.9	22.9
8	22.6	20.5	21.5	23.1	21.3	22.1	23.5	22.4	23.0	23.2	21.7	22.6
9	22.8	21.2	22.0	23.2	21.2	22.3	24.2	22.5	23.4	22.7	21.5	22.0
10	23.2	21.0	22.1	23.2	21.3	22.2	24.0	22.7	23.4	22.0	20.2	21.2
11	22.3	21.3	21.6	24.2	21.4	22.5	24.7	22.6	23.6	21.3	19.1	20.4
12	23.4	20.7	21.8	23.3	21.8	22.3	25.4	23.2	24.3	21.8	19.6	20.8
13	23.1	21.6	22.3	21.8	21.1	21.4	25.1	23.8	24.5	22.6	20.2	21.4
14	24.0	21.3	22.3	22.3	20.5	21.3	25.5	23.5	24.3	22.4	21.0	21.7
15	23.1	21.1	22.0	22.4	20.3	21.5	23.9	21.5	22.7	21.2	19.0	20.2
16	22.0	20.7	21.3	23.2	20.6	21.6	23.7	21.1	22.5	20.5	18.5	19.6
17	22.2	20.5	21.3	22.4	20.6	21.5	24.1	21.9	23.1	20.0	17.8	19.0
18	21.5	19.2	20.2	22.5	21.0	21.8	24.7	22.1	23.4	20.1	17.6	19.0
19	21.5	19.4	20.3	24.4	20.8	22.4	24.2	22.3	23.4	21.3	19.5	20.3
20	21.3	18.7	20.0	24.9	21.9	23.0	24.4	22.6	23.6	21.3	20.4	20.8
21	21.3	19.2	20.3	23.8	22.0	22.5	23.9	22.4	23.1	20.7	19.2	20.1
22	21.5	19.6	20.6	26.0	22.0	23.2	23.5	21.5	22.6	19.2	17.3	18.1
23	21.3	20.4	20.9	24.2	22.1	23.2	23.9	22.3	23.1	18.2	15.5	17.0
24	22.8	21.1	21.9	23.7	22.3	23.1	23.7	22.8	23.1	18.9	16.3	17.7
25	23.8	21.3	22.1	23.6	21.4	22.6	23.3	22.2	22.8	19.2	16.9	18.2
26	23.4	21.8	22.5	23.9	21.7	22.8	23.6	21.9	22.9	20.4	17.8	19.0
27	22.9	21.8	22.3	23.8	21.7	22.9	23.2	21.8	22.6	21.6	20.0	20.7
28	23.5	21.9	22.7	23.6	21.7	22.8	23.3	21.6	22.5	22.1	21.1	21.5
29	23.3	22.1	22.5	23.8	22.1	23.1	24.1	21.5	22.8	22.1	19.8	21.1
30	22.5	21.7	22.1	24.5	22.5	23.7	23.5	21.6	22.7	19.8	17.9	18.6
31	---	---	---	24.5	23.1	23.8	23.0	21.0	22.1	---	---	---
MONTH	24.0	18.7	21.6	26.0	20.3	22.5	25.5	21.0	23.1	23.7	15.5	20.6
YEAR	26.0	7.3	17.8									

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.5	6.7	7.0	8.9	7.4	8.0	9.2	7.5	8.1	10.2	9.1	9.7
2	7.7	6.8	7.3	8.6	7.1	7.8	9.4	7.4	8.2	10.1	9.0	9.5
3	7.6	7.0	7.2	8.9	6.9	7.9	9.4	7.2	8.0	10.4	9.8	10.1
4	7.6	6.9	7.2	8.4	6.6	7.4	9.3	6.9	7.8	10.9	10.2	10.5
5	7.6	6.9	7.2	8.0	6.5	7.2	9.0	6.6	7.4	11.2	10.5	10.8
6	7.5	6.8	7.2	8.5	7.1	7.7	8.6	6.4	7.2	10.6	9.9	10.4
7	7.5	7.0	7.2	8.9	7.6	8.1	8.2	5.7	6.8	10.1	9.0	9.8
8	7.5	7.0	7.2	7.9	7.0	7.5	7.0	5.7	6.4	10.7	8.9	9.8
9	7.6	7.1	7.3	7.5	6.7	7.1	8.3	6.2	7.1	10.5	9.5	10.0
10	7.6	7.0	7.3	7.0	6.3	6.6	9.1	7.3	8.0	11.6	10.5	11.0
11	7.6	7.0	7.4	7.0	6.6	6.8	8.1	7.3	7.7	11.4	10.4	10.9
12	7.7	7.3	7.5	8.2	6.8	7.8	8.6	7.8	8.0	11.1	10.0	10.4
13	7.6	7.2	7.4	8.2	7.2	7.6	8.2	7.8	7.9	10.4	9.3	9.9
14	7.7	7.3	7.5	8.3	7.1	7.7	8.5	7.6	7.9	10.0	9.2	9.5
15	7.8	7.4	7.6	7.8	7.3	7.6	9.3	7.8	8.5	10.1	9.2	9.6
16	7.9	7.6	7.8	8.0	7.1	7.5	9.5	8.1	8.7	10.5	9.6	9.9
17	8.0	7.6	7.8	7.9	7.0	7.3	9.8	8.4	9.0	10.2	8.8	9.5
18	8.1	7.8	7.9	8.5	7.4	7.8	10.1	8.7	9.3	9.7	8.8	9.2
19	8.2	7.8	8.0	7.9	6.9	7.4	9.4	8.4	8.8	10.1	9.0	9.4
20	8.2	8.0	8.1	7.2	6.7	6.9	9.0	7.8	8.4	10.0	8.7	9.2
21	9.3	7.7	8.3	8.9	6.8	7.9	8.7	7.5	8.0	9.6	8.3	8.9
22	9.2	7.7	8.3	9.0	7.5	8.1	9.4	7.4	8.4	9.1	8.0	8.4
23	9.5	8.1	8.8	8.5	7.3	7.7	9.9	8.9	9.5	8.5	8.1	8.3
24	9.8	8.5	9.1	8.2	7.1	7.5	10.7	9.7	10.2	8.9	8.4	8.6
25	9.8	8.4	9.0	8.5	7.0	7.5	10.0	9.4	9.8	9.3	8.5	8.8
26	9.7	8.4	8.8	8.6	7.2	7.7	9.8	9.4	9.5	9.0	7.7	8.4
27	9.7	8.2	8.8	9.3	7.4	8.2	9.9	9.1	9.5	8.4	7.6	8.0
28	9.5	8.1	8.6	9.4	7.7	8.4	10.1	9.1	9.6	8.4	7.5	7.9
29	9.3	8.0	8.5	9.5	7.7	8.4	9.5	9.1	9.3	8.3	7.4	7.8
30	9.1	7.5	8.3	9.6	7.6	8.4	10.1	9.1	9.6	7.5	7.3	7.4
31	8.9	7.3	7.9	---	---	---	10.1	9.3	9.6	7.8	7.2	7.5
MONTH	9.8	6.7	7.9	9.6	6.3	7.7	10.7	5.7	8.5	11.6	7.2	9.3

MOBILE RIVER BASIN

02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	7.9	7.7	7.8	8.4	6.8	7.5	10.5	8.6	9.3	9.4	8.5	8.9
2	8.0	7.6	7.8	8.5	6.4	7.2	10.7	8.1	9.2	9.2	8.4	8.7
3	7.9	7.6	7.7	7.5	6.4	7.0	10.8	7.4	8.8	9.0	8.1	8.6
4	7.9	7.5	7.6	9.0	6.9	7.8	10.5	7.2	8.5	8.7	7.9	8.3
5	8.0	7.6	7.8	9.1	7.8	8.4	11.0	7.3	8.7	8.0	6.6	7.5
6	7.9	7.4	7.7	8.4	7.4	7.9	8.9	7.1	7.8	7.0	6.2	6.5
7	7.8	7.4	7.5	9.4	7.5	8.4	10.5	7.2	8.5	6.9	6.5	6.7
8	7.9	7.4	7.6	9.6	8.1	8.7	10.2	7.3	8.3	7.2	6.5	6.8
9	7.9	7.3	7.5	9.0	7.8	8.4	9.9	7.2	8.1	7.3	6.7	6.9
10	7.8	7.4	7.5	9.5	7.8	8.5	10.0	7.4	8.3	7.1	6.6	6.8
11	7.9	7.4	7.6	9.6	8.0	8.6	10.1	7.2	8.3	7.1	6.5	6.8
12	7.9	7.4	7.6	10.0	7.9	8.7	10.4	7.4	8.7	7.0	6.5	6.7
13	8.1	7.7	7.9	9.9	7.6	8.6	10.8	8.0	9.1	7.0	6.5	6.7
14	8.3	7.9	8.1	9.8	8.8	9.0	10.8	8.1	9.1	7.1	6.5	6.8
15	8.4	8.1	8.2	9.6	8.3	8.9	8.4	7.6	7.9	7.2	6.7	7.0
16	8.5	8.2	8.4	9.5	8.1	8.7	9.4	7.8	8.4	7.5	6.9	7.2
17	8.6	8.3	8.4	9.8	8.0	8.8	9.5	8.0	8.8	7.7	7.0	7.4
18	8.9	8.5	8.7	9.9	7.8	8.7	9.8	8.4	9.0	8.5	7.3	7.6
19	10.3	8.8	9.3	10.1	7.7	8.7	10.0	8.2	8.9	7.8	7.3	7.5
20	10.2	8.5	9.2	10.0	8.0	8.8	9.6	8.0	8.6	8.7	7.5	8.1
21	10.1	8.4	9.1	10.4	8.1	9.0	9.7	7.9	8.5	8.8	7.8	8.2
22	10.4	8.8	9.4	10.8	8.4	9.3	9.7	7.8	8.6	8.9	7.2	8.1
23	9.7	8.7	9.1	11.0	8.5	9.4	9.7	7.7	8.5	8.3	7.2	7.7
24	10.2	8.4	9.2	10.4	8.3	9.1	8.9	7.9	8.3	8.5	7.2	7.8
25	9.9	8.0	8.8	10.6	8.1	9.2	9.4	8.0	8.7	9.1	7.5	8.3
26	9.8	7.1	8.3	12.0	9.0	10.2	9.5	8.5	8.8	8.8	7.9	8.4
27	8.1	6.9	7.4	12.2	9.2	10.3	9.1	8.3	8.6	9.3	8.0	8.5
28	7.7	6.8	7.3	12.4	8.9	10.3	9.0	8.2	8.6	9.5	8.0	8.6
29	---	---	---	12.2	8.7	10.0	9.1	8.4	8.8	9.4	7.9	8.6
30	---	---	---	11.3	8.8	9.9	9.3	8.6	8.9	8.9	7.8	8.2
31	---	---	---	10.2	8.8	9.4	---	---	---	8.2	7.3	7.7
MONTH	10.4	6.8	8.2	12.4	6.4	8.8	11.0	7.1	8.6	9.5	6.2	7.7
JUNE				JULY			AUGUST			SEPTEMBER		
1	8.3	7.0	7.7	7.5	7.0	7.3	7.7	6.5	7.1	6.1	5.1	5.6
2	8.3	6.7	7.5	7.6	7.2	7.4	7.8	6.8	7.2	---	---	---
3	8.0	6.7	7.4	7.4	6.7	7.2	8.1	6.3	7.4	---	---	---
4	8.0	7.0	7.4	7.3	6.9	7.1	8.2	7.2	7.6	---	---	---
5	8.3	6.9	7.3	7.3	6.8	7.0	8.4	7.3	7.7	---	---	---
6	8.0	6.8	7.4	7.2	6.7	6.9	8.6	7.4	8.0	---	---	---
7	8.2	7.2	7.7	7.5	6.1	6.8	8.8	7.6	8.0	---	---	---
8	8.3	7.2	7.6	6.9	6.2	6.6	8.7	7.8	8.2	---	---	---
9	8.3	7.2	7.7	6.8	6.4	6.6	9.0	7.7	8.2	---	---	---
10	8.4	7.3	7.7	6.8	6.4	6.6	9.0	7.9	8.4	---	---	---
11	8.3	7.3	7.8	7.2	6.1	6.5	9.2	8.1	8.6	---	---	---
12	8.2	6.7	7.5	7.1	6.6	6.8	9.0	7.9	8.4	---	---	---
13	7.9	6.9	7.5	7.3	6.7	7.1	9.2	8.2	8.6	---	---	---
14	8.4	7.1	7.7	7.6	7.0	7.3	9.2	8.1	8.5	---	---	---
15	7.5	7.0	7.2	7.6	7.1	7.3	9.6	8.4	9.0	---	---	---
16	7.7	7.2	7.4	7.8	7.1	7.4	9.9	8.8	9.2	---	---	---
17	8.2	7.2	7.8	7.7	7.0	7.4	9.9	8.4	9.2	---	---	---
18	8.5	7.9	8.2	7.8	7.0	7.5	9.4	8.2	8.7	---	---	---
19	8.6	8.1	8.3	7.9	6.5	7.4	9.3	7.4	8.4	---	---	---
20	8.7	8.0	8.4	7.5	6.3	6.9	8.9	7.3	8.0	---	---	---
21	8.9	7.9	8.4	7.3	6.5	6.9	9.0	7.7	8.3	---	---	---
22	8.8	7.5	8.2	7.6	6.5	7.1	8.9	7.7	8.2	---	---	---
23	8.6	7.4	8.1	7.5	6.5	7.1	8.6	7.4	7.9	7.9	6.9	7.2
24	7.5	7.1	7.3	7.7	6.8	7.2	8.0	7.1	7.5	8.0	6.9	7.3
25	8.1	7.3	7.7	7.8	7.0	7.4	7.6	6.8	7.2	7.9	6.6	7.2
26	7.7	7.2	7.4	7.8	7.0	7.3	7.6	6.8	7.1	7.9	6.6	7.1
27	7.8	7.3	7.6	7.8	6.9	7.3	7.6	6.7	7.1	7.5	6.5	6.9
28	8.0	6.5	7.4	7.8	6.9	7.3	7.4	6.6	6.9	7.4	6.2	6.6
29	7.3	6.4	6.9	7.8	6.6	7.3	7.3	6.4	6.8	6.8	6.1	6.4
30	7.7	7.2	7.5	7.1	6.2	6.7	7.1	6.4	6.6	7.7	6.8	7.2
31	---	---	---	7.6	6.4	7.0	7.1	5.7	6.5	---	---	---
MONTH	8.9	6.4	7.7	7.9	6.1	7.1	9.9	5.7	7.9	---	---	---

MOBILE RIVER BASIN

02423400 LITTLE CAHABA RIVER NEAR JEFFERSON PARK, AL

LOCATION.--Lat 33°29'59", long 86°36'51", in NW¹/₄ sec. 2, T. 18 S., R. 1 W., Jefferson County, Hydrologic Unit 03150202, on left upstream side of bridge on county road, 0.5 mi northwest of Highway 119, 0.7 mi upstream of Lake Purdy, 3.3 mi southwest of Jefferson Park, and 5.1 mi southeast of Leeds.

DRAINAGE AREA.--24.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1986 to February 2000 (discontinued).

REVISED RECORDS.--WDR AL-98-1: 1997, 1989-91, 93, 96-97 (P).

GAGE.--Water-stage recorder. Datum of gage is 556.43 ft above sea level.

REMARKS.--No estimated daily discharge. 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	8.2	8.5	40	252	56	89	17	26	180	20	6.6
2	12	9.7	8.6	98	152	43	63	14	19	112	19	7.2
3	10	10	8.4	141	107	147	52	17	24	95	16	8.0
4	9.9	9.3	7.2	70	88	77	47	14	14	76	17	6.9
5	9.8	10	7.0	54	64	58	41	16	62	59	15	6.5
6	9.1	9.5	8.9	47	54	111	40	106	27	55	16	7.5
7	10	8.2	8.5	44	47	73	38	42	24	144	15	6.7
8	16	10	19	40	43	53	36	26	18	77	14	7.0
9	12	18	24	56	35	116	29	25	20	58	14	8.4
10	10	21	13	48	33	75	30	21	16	51	13	8.3
11	9.7	31	14	39	31	57	28	22	14	86	13	7.5
12	10	14	25	35	29	49	27	19	24	116	13	6.9
13	8.2	15	38	34	25	90	25	19	29	64	11	6.5
14	9.0	58	26	34	23	326	24	17	63	55	13	7.3
15	8.4	53	19	39	23	117	67	16	218	44	12	5.3
16	11	29	18	32	20	79	35	17	77	107	11	5.2
17	7.5	21	17	30	30	60	30	15	64	67	10	13
18	9.0	20	15	31	52	49	26	46	40	44	10	7.2
19	7.2	14	15	26	37	41	25	36	32	55	11	5.7
20	9.0	14	18	26	30	36	22	23	28	74	8.8	7.1
21	9.2	12	15	24	27	43	21	18	26	60	10	13
22	8.2	12	13	28	24	30	21	20	22	53	8.8	9.4
23	7.7	10	28	311	24	27	19	27	21	51	8.5	7.7
24	9.2	11	201	112	21	26	19	28	49	41	10	7.4
25	7.8	12	79	69	21	31	18	19	84	34	11	6.5
26	9.1	15	53	54	24	29	21	17	172	30	9.3	5.4
27	8.8	10	40	44	22	23	16	17	230	27	10	6.7
28	7.8	8.3	117	41	129	22	21	15	1670	25	7.3	7.0
29	8.5	8.4	88	36	---	21	23	13	716	23	8.2	8.8
30	8.6	8.2	55	315	---	21	20	14	189	28	8.2	12
31	8.4	---	46	500	---	92	---	29	---	22	8.3	---
TOTAL	290.0	489.8	1053.1	2498	1467	2078	973	745	4018	2013	371.4	228.7
MEAN	9.35	16.3	34.0	80.6	52.4	67.0	32.4	24.0	134	64.9	12.0	7.62
MAX	16	58	201	500	252	326	89	106	1670	180	20	13
MIN	7.2	8.2	7.0	24	20	21	16	13	14	22	7.3	5.2
CFSM	.38	.67	1.39	3.30	2.15	2.75	1.33	.98	5.49	2.66	.49	.31
IN.	.44	.75	1.61	3.81	2.24	3.17	1.48	1.14	6.13	3.07	.57	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1999, BY WATER YEAR (WY)

	MEAN	22.0	40.4	44.0	85.9	82.6	90.2	49.8	28.9	43.5	36.5	17.2	21.7
MAX	66.1	111	90.4	163	197	168	83.1	76.3	135	113	40.4	79.4	
(WY)	1996	1993	1995	1998	1990	1996	1994	1991	1997	1989	1998	1994	
MIN	7.38	12.0	11.6	36.3	29.9	24.7	28.2	13.7	7.12	9.50	6.11	7.62	
(WY)	1988	1991	1988	1991	1988	1988	1988	1992	1988	1995	1988	1999	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1986 - 1999

ANNUAL TOTAL	20420.1	16225.0	
ANNUAL MEAN	55.9	44.5	46.8
HIGHEST ANNUAL MEAN			66.0
LOWEST ANNUAL MEAN			19.4
HIGHEST DAILY MEAN	1140	1670	1670
LOWEST DAILY MEAN	7.0	5.2	3.0
ANNUAL SEVEN-DAY MINIMUM	8.0	6.7	3.9
INSTANTANEOUS PEAK FLOW		3520	3520
INSTANTANEOUS PEAK STAGE		6.06	6.06
ANNUAL RUNOFF (CFSM)	2.29	1.82	1.92
ANNUAL RUNOFF (INCHES)	31.13	24.74	26.07
10 PERCENT EXCEEDS	117	85	89
50 PERCENT EXCEEDS	24	22	25
90 PERCENT EXCEEDS	9.2	8.2	9.0

MOBILE RIVER BASIN

02423400 LITTLE CAHABA RIVER NEAR JEFFERSON PARK, AL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	13	9.1	12	47	---	---	---	---	---	---	---
2	7.4	60	8.7	12	40	---	---	---	---	---	---	---
3	7.6	21	9.2	13	37	---	---	---	---	---	---	---
4	8.7	18	9.8	28	35	---	---	---	---	---	---	---
5	12	15	8.8	20	32	---	---	---	---	---	---	---
6	8.7	14	11	16	26	---	---	---	---	---	---	---
7	11	11	9.2	14	31	---	---	---	---	---	---	---
8	8.8	16	9.6	13	33	---	---	---	---	---	---	---
9	7.5	11	8.6	47	29	---	---	---	---	---	---	---
10	198	11	27	143	25	---	---	---	---	---	---	---
11	60	12	17	61	22	---	---	---	---	---	---	---
12	27	12	14	48	22	---	---	---	---	---	---	---
13	23	11	71	41	21	---	---	---	---	---	---	---
14	25	11	39	32	66	---	---	---	---	---	---	---
15	18	11	25	27	35	---	---	---	---	---	---	---
16	14	12	19	28	29	---	---	---	---	---	---	---
17	12	10	18	32	26	---	---	---	---	---	---	---
18	14	8.4	18	31	---	---	---	---	---	---	---	---
19	16	12	22	27	---	---	---	---	---	---	---	---
20	13	13	19	27	---	---	---	---	---	---	---	---
21	16	17	24	23	---	---	---	---	---	---	---	---
22	13	12	27	23	---	---	---	---	---	---	---	---
23	11	11	23	172	---	---	---	---	---	---	---	---
24	10	14	17	84	---	---	---	---	---	---	---	---
25	10	10	18	61	---	---	---	---	---	---	---	---
26	9.1	9.3	16	51	---	---	---	---	---	---	---	---
27	12	11	17	45	---	---	---	---	---	---	---	---
28	9.7	10	14	42	---	---	---	---	---	---	---	---
29	11	9.8	15	64	---	---	---	---	---	---	---	---
30	9.2	8.9	14	62	---	---	---	---	---	---	---	---
31	7.2	---	13	51	---	---	---	---	---	---	---	---
TOTAL	618.0	415.4	571.0	1350	---	---	---	---	---	---	---	---
MEAN	19.9	13.8	18.4	43.5	---	---	---	---	---	---	---	---
MAX	198	60	71	172	---	---	---	---	---	---	---	---
MIN	7.2	8.4	8.6	12	---	---	---	---	---	---	---	---
CFSM	.82	.57	.75	1.78	---	---	---	---	---	---	---	---
IN.	.94	.63	.87	2.06	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2000, BY WATER YEAR (WY)

MEAN	21.9	38.5	42.1	82.9	82.6	90.2	49.8	28.9	43.5	36.5	17.2	21.7
MAX	66.1	111	90.4	163	197	168	83.1	76.3	135	118	40.4	79.4
(WY)	1996	1993	1995	1998	1990	1996	1994	1991	1997	1989	1998	1994
MIN	7.38	12.0	11.6	36.3	29.9	24.7	28.2	13.7	7.12	9.50	6.11	7.62
(WY)	1988	1991	1988	1991	1988	1988	1988	1992	1988	1995	1988	1999

SUMMARY STATISTICS

FOR 1999 CALENDAR YEAR

WATER YEARS 1986 - 2000

ANNUAL TOTAL	15996.5	
ANNUAL MEAN	43.8	46.8
HIGHEST ANNUAL MEAN		66.0
LOWEST ANNUAL MEAN		19.4
HIGHEST DAILY MEAN	1670	1670
LOWEST DAILY MEAN	5.2	3.0
ANNUAL SEVEN-DAY MINIMUM	6.7	3.9
INSTANTANEOUS PEAK FLOW		3520
INSTANTANEOUS PEAK STAGE		6.06
ANNUAL RUNOFF (CFSM)	1.80	1.92
ANNUAL RUNOFF (INCHES)	24.39	26.07
10 PERCENT EXCEEDS	78	88
50 PERCENT EXCEEDS	22	25
90 PERCENT EXCEEDS	8.6	9.0

MOBILE RIVER BASIN

02423400 LITTLE CAHABA RIVER NEAR JEFFERSON PARK, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1986 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1986 to current year.

WATER TEMPERATURE: October 1986 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1986.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 664 microSiemens, May 27, 28, 1987; minimum, 70 microSiemens, Jan. 26, 1996, and June 28, 1999.

WATER TEMPERATURE: Maximum, 27.2°C, Aug. 19, 1995; minimum, 2.2°C, Dec. 24, 1989.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 456 microSiemens, Sept. 18; minimum, 70 microSiemens, June 28.

WATER TEMPERATURE: Maximum, 26.2°C, Aug. 14; minimum, 6.8°C, Jan. 5.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
NOV 04...	0830	14.6	14.2	752	9.7	.35	404	409	7.4	74
MAR 17...	0830	12.4	10.2	759	55	.92	283	302	9.1	86
JUN 23...	1230	21.4	25.9	753	23	.49	390	382	11.1	127
AUG 11...	1300	24.9	31.6	750	16	.38	382	384	8.4	103
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV 04...	8.0	7.9	3.2	165	0	202	165	K94	150	.040
MAR 17...	7.9	8.0	--	--	0	173	142	150	75	.010
JUN 23...	7.9	8.1	--	--	0	209	171	250	310	.020
AUG 11...	8.1	8.2	2.8	180	0	220	0	240	200	.030
DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHOS TOTAL (MG/L AS P) (70507)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD- NESS NONCARB DISSOLV LAB AS CACO3 (MG/L) (00905)
NOV 04...	<.010	<.20	1.40	.05	.12	.050	.040	170	4	--
MAR 17...	<.010	<.20	.650	.01	.09	E.040	.030	150	4	4
JUN 23...	<.010	<.20	1.30	.03	.09	<.020	.030	180	12	--
AUG 11...	<.010	<.20	1.00	.04	.09	.030	.030	170	--	--

MOBILE RIVER BASIN

02423400 LITTLE CAHABA RIVER NEAR JEFFERSON PARK, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)
NOV 04...	55	7.8	7.7	.3	8	13	7.9	28	.15	10
MAR 17...	51	4.5	2.9	.1	4	2.4	3.4	11	<.10	7.0
JUN 23...	63	6.3	5.1	.2	5	6.4	5.1	15	.14	9.1
AUG 11...	58	6.4	5.4	.2	6	8.7	5.5	15	.12	9.5

DATE	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
NOV 04...	39	80	13	20	16	.80	240	229	6.29	.33
MAR 17...	16	110	12	17	12	1.4	174	167	25.8	.24
JUN 23...	26	130	5.4	27	13	1.0	259	213	16.1	.35
AUG 11...	26	120	2.1	27	14	1.2	218	217	9.42	.30

DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
JUN 23...	<1	1	<1.0	<1	<1.0	<1	<1.0

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)
JUN 23...	2	<1.0	<1	<1	<1	<.1	<.10

MOBILE RIVER BASIN

02423400 LITTLE CAHABA RIVER NEAR JEFFERSON PARK, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	394	376	383	401	383	393	409	395	399	384	370	376
2	384	370	378	404	383	391	416	399	407	390	179	346
3	403	370	386	404	382	392	410	395	401	277	175	228
4	409	389	404	405	390	399	409	399	405	328	277	301
5	403	379	390	397	385	389	411	399	405	354	327	338
6	396	381	385	409	384	398	402	398	400	368	344	358
7	399	380	393	393	384	386	400	389	396	375	353	366
8	395	374	385	402	385	396	412	378	401	384	360	374
9	386	380	382	385	371	378	378	319	347	384	302	350
10	387	372	380	390	333	370	364	319	345	361	302	333
11	387	367	378	---	---	---	386	354	368	369	351	362
12	384	371	379	---	---	---	393	353	373	381	364	373
13	405	372	392	---	---	---	367	318	346	391	362	381
14	398	384	392	---	---	---	362	321	344	390	373	381
15	404	379	388	308	215	267	385	362	374	378	354	361
16	400	378	386	332	260	315	407	381	392	385	350	370
17	405	377	387	---	---	---	411	395	405	395	369	382
18	406	390	400	---	---	---	406	394	401	394	372	384
19	404	379	387	404	370	388	414	394	405	389	369	382
20	409	388	397	408	388	395	406	389	398	382	369	376
21	396	384	387	418	394	408	405	388	394	415	378	395
22	400	388	394	413	400	405	407	386	396	402	364	384
23	398	388	393	429	402	417	406	377	391	365	127	206
24	399	382	391	425	402	412	399	143	228	285	212	244
25	397	382	387	426	403	416	315	222	278	317	284	298
26	402	387	392	422	392	407	356	310	334	341	312	325
27	399	385	392	412	392	402	374	356	368	355	335	346
28	401	391	396	408	386	395	371	200	296	364	349	356
29	406	383	394	409	394	401	311	227	275	361	321	350
30	394	381	385	409	392	399	343	311	330	323	132	205
31	401	380	385	---	---	---	372	343	358	188	135	160
MONTH	409	367	389	---	---	---	416	143	366	415	127	335
FEBRUARY			MARCH			APRIL			MAY			
1	234	187	212	309	278	292	269	208	249	384	363	370
2	286	234	260	322	309	316	312	268	293	386	367	377
3	303	286	296	322	182	236	330	312	321	399	370	379
4	317	297	307	291	241	268	351	323	332	402	377	393
5	340	312	326	318	291	304	351	339	347	406	372	387
6	345	331	342	318	212	265	360	341	347	402	169	263
7	359	338	351	304	261	286	368	339	354	319	249	282
8	366	350	360	316	304	312	365	354	360	346	319	332
9	367	357	364	314	197	253	369	358	364	377	346	365
10	377	360	375	298	247	274	377	358	369	377	370	373
11	383	362	377	318	298	308	378	363	369	395	362	374
12	387	370	381	341	314	320	382	369	377	395	372	381
13	395	370	384	345	140	312	384	371	378	372	361	367
14	396	379	388	219	106	166	385	369	376	390	360	378
15	395	378	388	275	219	244	384	232	301	389	372	377
16	396	374	389	305	275	291	326	248	305	395	366	382
17	402	363	382	327	293	303	364	326	341	402	384	393
18	367	280	302	332	325	328	368	357	363	401	197	355
19	349	324	339	346	323	330	372	362	365	327	224	274
20	353	329	339	354	333	346	387	354	372	379	327	350
21	364	342	356	354	326	341	374	366	369	385	369	375
22	372	352	365	346	332	339	398	365	380	395	369	382
23	380	362	372	355	339	346	396	370	376	390	332	359
24	382	359	371	369	349	357	402	369	383	371	340	352
25	383	362	374	372	341	357	399	367	374	370	348	362
26	373	365	370	343	308	328	404	352	382	384	366	378
27	383	303	355	348	334	343	401	378	388	396	382	390
28	322	168	224	364	341	354	378	368	371	403	387	396
29	---	---	---	364	344	355	380	363	369	402	393	398
30	---	---	---	368	343	360	392	365	381	403	390	397
31	---	---	---	374	196	305	---	---	---	406	322	386
MONTH	402	168	345	374	106	308	404	208	355	406	169	365

MOBILE RIVER BASIN

02423400 LITTLE CAHABA RIVER NEAR JEFFERSON PARK, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	357	290	315	297	230	268	415	392	409	431	411	422
2	373	357	366	331	284	314	425	408	415	437	417	429
3	381	338	359	349	328	339	426	407	419	422	411	415
4	384	369	379	366	349	359	422	410	415	445	413	436
5	376	239	299	384	366	376	425	413	422	436	421	427
6	354	274	323	393	381	387	423	414	417	435	414	426
7	393	354	377	396	119	314	428	414	422	441	412	422
8	402	393	398	361	221	301	432	411	423	443	420	427
9	411	394	402	385	361	376	428	389	403	444	418	432
10	421	411	416	396	374	389	428	415	421	448	405	430
11	420	408	414	381	144	341	430	419	424	438	403	424
12	418	405	413	314	144	254	429	415	422	439	411	426
13	405	328	350	361	314	342	434	415	425	434	406	416
14	384	155	354	384	361	372	431	416	424	435	405	423
15	290	143	208	391	384	387	434	410	420	445	414	427
16	331	284	310	399	128	311	436	413	425	449	347	413
17	349	280	316	324	222	281	436	407	424	454	417	425
18	383	349	372	360	324	344	443	417	429	456	401	419
19	401	380	392	367	217	356	446	418	430	426	409	419
20	412	392	403	361	217	296	446	398	414	429	406	420
21	413	398	407	346	267	306	427	413	419	436	403	419
22	417	400	409	372	307	358	441	413	427	414	342	383
23	418	402	410	370	236	310	433	417	424	397	342	378
24	417	302	374	392	370	382	430	402	418	421	385	411
25	346	169	292	400	392	396	420	408	413	432	402	418
26	271	153	220	404	396	399	417	395	407	424	413	418
27	247	180	214	408	366	380	417	410	413	428	406	417
28	249	70	153	418	403	413	436	414	425	422	406	412
29	251	106	186	418	409	413	422	406	415	431	418	423
30	296	251	274	419	383	404	414	405	410	430	389	412
31	---	---	---	406	383	391	442	412	432	---	---	---
MONTH	421	70	337	419	119	350	446	389	420	456	342	419

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.1	21.3	22.3	17.6	15.4	16.6	15.0	12.8	13.8	11.2	9.9	10.6
2	22.3	20.6	21.6	17.2	16.2	16.7	15.0	12.7	13.9	11.8	10.3	11.4
3	22.5	21.1	21.8	17.2	15.7	16.5	15.5	13.8	14.6	10.3	8.7	9.5
4	23.3	21.6	22.5	16.0	14.6	15.2	15.9	13.7	14.9	8.7	7.6	8.1
5	23.3	21.9	22.7	14.7	13.1	14.0	17.4	15.6	16.5	7.6	6.8	7.2
6	23.1	22.1	22.6	13.1	10.8	12.0	18.4	16.6	17.6	9.0	7.2	7.9
7	22.6	21.8	22.2	11.7	9.8	10.8	19.2	17.9	18.5	11.5	9.0	10.4
8	21.8	19.3	20.7	12.1	10.9	11.4	19.3	17.5	18.7	13.3	11.5	12.4
9	19.3	17.5	18.3	14.8	12.1	13.4	17.5	14.1	15.8	13.5	10.0	12.3
10	18.2	16.1	17.3	16.6	14.8	15.9	14.1	13.0	13.5	10.0	8.4	8.9
11	18.4	15.9	17.2	16.5	10.2	15.2	13.4	13.1	13.2	9.4	7.9	8.7
12	18.5	16.2	17.5	14.1	8.8	11.8	13.7	13.0	13.4	11.3	9.0	10.1
13	18.7	16.3	17.6	15.4	12.6	14.1	14.1	13.6	13.9	13.4	11.3	12.5
14	18.4	16.3	17.4	15.1	13.1	14.2	13.6	12.4	13.2	14.9	13.4	14.1
15	18.1	15.5	17.0	16.0	14.8	15.5	12.4	11.0	11.7	13.8	11.4	12.6
16	18.6	16.5	17.6	16.6	15.5	16.0	11.1	9.9	10.6	11.9	10.2	11.2
17	19.0	17.0	18.1	17.6	15.7	16.8	10.9	9.9	10.4	14.0	11.5	12.7
18	19.9	18.0	19.0	15.8	14.4	15.2	10.1	8.9	9.6	14.9	13.3	14.2
19	20.4	19.0	19.8	16.6	15.2	15.9	11.5	9.7	10.5	13.3	11.5	12.4
20	20.4	18.5	19.8	16.7	14.8	16.1	13.5	11.5	12.7	14.5	12.2	13.5
21	18.8	17.4	18.0	14.8	13.2	13.9	15.1	13.5	14.3	16.0	14.2	15.1
22	17.4	15.0	16.1	14.0	12.0	13.1	15.4	11.6	13.6	16.9	15.7	16.3
23	15.0	13.2	14.2	15.4	13.8	14.6	11.6	10.0	10.4	16.9	15.2	15.9
24	14.4	12.2	13.4	16.7	15.3	15.9	10.2	8.1	9.0	15.2	13.3	14.2
25	14.6	12.1	13.5	16.8	15.4	16.1	10.4	9.1	9.7	13.6	12.1	13.0
26	15.1	12.6	14.0	16.5	14.7	15.8	11.3	10.4	10.9	14.3	12.6	13.5
27	15.6	13.1	14.5	14.7	12.7	13.8	11.3	10.4	10.8	15.0	13.5	14.2
28	15.9	13.5	14.8	13.7	11.6	12.8	11.5	10.5	11.1	15.4	14.2	14.8
29	16.4	14.1	15.4	13.5	11.2	12.5	12.0	11.0	11.7	15.9	15.0	15.5
30	17.3	14.9	16.2	13.7	11.4	12.8	11.8	10.4	10.9	15.8	14.1	15.0
31	17.9	16.1	17.0	---	---	---	11.1	9.9	10.5	14.1	12.0	13.0
MONTH	23.3	12.1	18.1	17.6	8.8	14.5	19.3	8.1	12.9	16.9	6.8	12.3

MOBILE RIVER BASIN

02423410 LITTLE CAHABA RIVER BELOW LAKE PURDY DAM NEAR CAHABA HEIGHTS, AL

LOCATION.--Lat 33°27'36", long 86°40'13", in SW¹/₄ 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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1984 to February 2000 (discontinued).

GAGE.--Water-stage recorder with sharp crested and V-notch weirs. Elevation of gage is 480 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Water-discharge records good except those above 250 ft³/s, which are fair. Flow completely regulated by Lake Purdy Reservoir.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	90	72	2.0	435	145	179	33	11	281	73	120
2	105	83	74	2.2	312	111	137	29	25	222	79	128
3	105	77	75	2.0	240	212	111	43	41	179	79	128
4	101	85	73	2.0	186	193	90	38	37	135	80	129
5	100	81	71	2.0	146	147	81	32	63	102	85	118
6	99	70	64	2.0	121	185	74	109	68	85	104	140
7	93	68	50	2.0	105	178	73	115	52	114	107	122
8	96	38	1.9	2.0	95	140	67	71	44	179	95	100
9	92	30	1.9	2.1	83	186	59	53	38	118	86	81
10	96	27	1.9	2.0	78	175	57	43	34	93	94	101
11	95	2.0	2.0	2.0	73	140	52	40	41	126	92	105
12	93	2.0	1.9	2.1	67	115	46	40	33	255	100	115
13	99	25	2.0	2.0	58	136	41	49	46	165	107	104
14	107	17	2.0	2.1	52	383	41	44	63	113	115	103
15	106	2.0	2.0	2.2	49	294	85	36	272	87	110	105
16	106	2.0	2.0	2.0	48	216	81	32	189	175	113	105
17	105	3.1	2.0	2.0	66	161	61	39	127	303	120	105
18	105	31	24	2.3	107	133	50	68	89	182	118	104
19	104	52	2.0	2.2	94	111	44	107	67	118	136	104
20	101	51	2.0	2.0	80	99	42	66	54	121	137	88
21	95	62	8.4	2.1	69	106	39	47	48	116	138	63
22	98	65	3.8	2.0	59	91	38	42	44	92	130	56
23	95	64	1.9	2.4	56	76	35	49	38	90	118	55
24	96	65	2.1	2.3	54	71	36	52	54	78	111	107
25	95	69	2.0	2.3	52	86	38	46	113	71	92	80
26	104	62	2.0	2.3	53	88	37	42	309	61	102	86
27	107	64	2.0	2.3	60	73	42	52	350	56	116	65
28	103	60	2.0	2.3	179	67	49	70	721	50	115	61
29	107	76	2.0	2.4	---	63	45	83	996	51	117	34
30	96	69	2.0	28	---	63	38	82	420	57	121	45
31	100	---	2.0	444	---	123	---	6.2	---	58	122	---
TOTAL	3110	1492.1	556.8	533.6	3077	4367	1868	1658.2	4487	3933	3312	2857
MEAN	100	49.7	18.0	17.2	110	141	62.3	53.5	150	127	107	95.2
MAX	107	90	75	444	435	383	179	115	996	303	138	140
MIN	92	2.0	1.9	2.0	48	63	35	6.2	11	50	73	34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1999, BY WATER YEAR (WY)

	MEAN	57.6	45.5	51.7	94.6	109	131	83.9	61.7	72.4	69.5	65.0	65.4
MAX	100	141	151	255	324	229	229	146	152	212	146	107	95.7
(WY)	1999	1993	1993	1998	1990	1996	1998	1991	1997	1989	1999	1998	1998
MIN	8.95	7.37	2.48	1.28	1.60	1.71	25.3	30.5	20.9	24.7	29.9	24.5	24.5
(WY)	1996	1998	1992	1988	1988	1988	1986	1986	1992	1988	1992	1988	1988

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1985 - 1999
ANNUAL TOTAL	39949.9	31251.7	
ANNUAL MEAN	109	85.6	75.4
HIGHEST ANNUAL MEAN			107
LOWEST ANNUAL MEAN			26.1
HIGHEST DAILY MEAN	1360	996	1870
LOWEST DAILY MEAN	1.9	1.9	.98
ANNUAL SEVEN-DAY MINIMUM	1.9	1.9	1.1
INSTANTANEOUS PEAK FLOW		1440	2430
INSTANTANEOUS PEAK STAGE		5.26	5.98
INSTANTANEOUS LOW FLOW			.90
10 PERCENT EXCEEDS	209	142	145
50 PERCENT EXCEEDS	83	73	59
90 PERCENT EXCEEDS	13	2.0	2.1

MOBILE RIVER BASIN

02423410 LITTLE CAHABA RIVER BELOW LAKE PURDY DAM NEAR CAHABA HEIGHTS, AL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	31	31	8.9	2.0	---	---	---	---	---	---	---
2	56	2.1	39	18	2.0	---	---	---	---	---	---	---
3	52	2.0	42	13	2.0	---	---	---	---	---	---	---
4	38	2.0	48	4.3	2.0	---	---	---	---	---	---	---
5	37	2.0	21	1.6	2.0	---	---	---	---	---	---	---
6	35	33	37	1.6	2.0	---	---	---	---	---	---	---
7	53	36	31	4.8	---	---	---	---	---	---	---	---
8	42	29	27	1.7	---	---	---	---	---	---	---	---
9	42	44	22	1.8	---	---	---	---	---	---	---	---
10	15	36	8.3	1.8	---	---	---	---	---	---	---	---
11	2.2	35	3.1	1.8	---	---	---	---	---	---	---	---
12	2.3	56	2.0	1.8	---	---	---	---	---	---	---	---
13	2.3	37	2.1	1.7	---	---	---	---	---	---	---	---
14	2.3	42	2.0	1.7	---	---	---	---	---	---	---	---
15	34	55	2.0	1.7	---	---	---	---	---	---	---	---
16	35	39	2.0	1.8	---	---	---	---	---	---	---	---
17	38	57	2.0	1.8	---	---	---	---	---	---	---	---
18	39	36	2.0	1.8	---	---	---	---	---	---	---	---
19	48	46	2.0	1.8	---	---	---	---	---	---	---	---
20	37	37	2.0	1.8	---	---	---	---	---	---	---	---
21	39	4.3	2.0	1.8	---	---	---	---	---	---	---	---
22	25	27	2.0	1.8	---	---	---	---	---	---	---	---
23	49	12	2.0	1.8	---	---	---	---	---	---	---	---
24	55	43	2.0	1.9	---	---	---	---	---	---	---	---
25	62	16	2.0	2.0	---	---	---	---	---	---	---	---
26	39	18	2.0	2.0	---	---	---	---	---	---	---	---
27	44	41	2.0	2.0	---	---	---	---	---	---	---	---
28	70	13	14	2.0	---	---	---	---	---	---	---	---
29	59	40	7.1	2.0	---	---	---	---	---	---	---	---
30	61	46	6.0	2.0	---	---	---	---	---	---	---	---
31	49	---	28	2.0	---	---	---	---	---	---	---	---
TOTAL	1210.1	917.4	396.6	96.5	---	---	---	---	---	---	---	---
MEAN	39.0	30.6	12.8	3.11	---	---	---	---	---	---	---	---
MAX	70	57	48	18	---	---	---	---	---	---	---	---
MIN	2.2	2.0	2.0	1.6	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2000, BY WATER YEAR (WY)

MEAN	56.5	44.6	49.3	88.9	109	131	83.9	61.7	72.4	69.5	65.0	65.4
MAX	100	141	151	255	324	229	146	152	212	146	107	95.7
(WY)	1999	1993	1993	1998	1990	1996	1998	1991	1997	1989	1999	1998
MIN	8.95	7.37	2.48	1.28	1.60	1.71	25.3	30.5	20.9	24.7	29.9	24.5
(WY)	1996	1998	1992	1988	1988	1988	1986	1986	1992	1988	1992	1988

SUMMARY STATISTICS

FOR 1999 CALENDAR YEAR

WATER YEARS 1985 - 2000

ANNUAL TOTAL	28616.9	
ANNUAL MEAN	78.4	75.4
HIGHEST ANNUAL MEAN		107
LOWEST ANNUAL MEAN		26.1
HIGHEST DAILY MEAN	996	1870
LOWEST DAILY MEAN	2.0	.98
ANNUAL SEVEN-DAY MINIMUM	2.0	1.1
INSTANTANEOUS PEAK FLOW		2430
INSTANTANEOUS PEAK STAGE		5.98
INSTANTANEOUS LOW FLOW		.90
10 PERCENT EXCEEDS	142	142
50 PERCENT EXCEEDS	56	58
90 PERCENT EXCEEDS	2.1	2.0

MOBILE RIVER BASIN

02423410 LITTLE CAHABA RIVER BELOW LAKE PURDY DAM NEAR CAHABA HEIGHTS, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1986 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
NOV 04...	1110	19.0	15.6	755	76	1.76	233	232	8.5	93	8.0
MAR 17...	1330	13.3	22.1	760	155	2.33	234	248	10.3	99	8.3
JUN 23...	1430	26.7	26.0	754	41	1.42	224	218	7.7	97	8.4
AUG 12...	0800	16.1	27.1	754	124	2.13	268	270	9.3	95	7.7
DATE	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV 04...	7.8	2.1	108	0	131	108	K2	K3	.60	.35	.210
MAR 17...	8.1	--	--	0	135	110	K4	K1	--	--	.030
JUN 23...	8.0	--	--	3	107	93	K3	<1	--	.20	.020
AUG 12...	7.6	--	--	0	166	136	K4	K2	--	.19	.350
DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)
NOV 04...	.010	.030	.56	.040	.27	2.7	.06	.070	.020	100	--
MAR 17...	<.010	--	E.28	.230	.04	--	.03	E.030	.010	120	8
JUN 23...	<.010	--	.22	<.020	.03	--	--	<.020	<.010	100	9
AUG 12...	<.010	--	.54	<.020	.45	--	.03	.030	.010	130	--
DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SILICA, RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SIO2) (00955)	
NOV 04...	32	5.8	2.6	.1	5	3.2	3.3	8.5	<.10	7.1	
MAR 17...	40	4.6	2.5	.1	4	2.9	3.3	11	<.10	4.9	
JUN 23...	33	4.8	2.9	.1	6	3.8	3.3	10	<.10	3.1	
AUG 12...	41	5.7	2.2	.1	4	3.0	2.8	4.1	<.10	8.5	

MOBILE RIVER BASIN

02423410 LITTLE CAHABA RIVER BELOW LAKE PURDY DAM NEAR CAHABA HEIGHTS, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
NOV 04...	15	300	7.2	150	120	.90	130	127	26.7	.18
MAR 17...	14	80	6.9	14	2.0	2.2	142	136	59.4	.19
JUN 23...	15	60	14	31	17	2.5	135	117	14.9	.18
AUG 12...	11	1100	110	620	590	1.7	160	150	53.6	.22

DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
JUN 23...	<1	<1	<1.0	<1	<1.0	<1	<1.0

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)
JUN 23...	<1	<1.0	<1	<1	<1	<.1	<.10

MOBILE RIVER BASIN

02423425 CAHABA RIVER NEAR CAHABA HEIGHTS, AL

LOCATION.--Lat 33°24'56", long 86°44'23", in NW¹/₄ 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 at river mile 144.9.

DRAINAGE AREA.--201 mi².

PERIOD OF RECORD.--August 1975 to September 1985, July 1996 to current water year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 410.0 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharge: Oct. 1 to Nov. 16, Feb. 17-19, July 1-8. Records fair 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. 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e32	e8.0	21	128	2180	565	711	58	94	e1800	23	15
2	e20	e9.0	17	303	1110	424	532	35	104	e900	16	14
3	e23	e9.4	20	820	771	979	419	15	88	e980	17	24
4	e37	e10	25	461	597	841	342	23	70	e500	11	30
5	e13	e9.0	23	287	470	594	271	26	135	e320	7.6	34
6	e18	e7.6	31	198	374	737	225	603	233	e200	8.1	18
7	e29	e8.0	45	154	316	670	232	544	128	e180	11	26
8	e47	e20	83	131	270	522	192	290	63	e300	13	19
9	e38	e33	73	287	225	764	152	183	36	197	8.7	17
10	e27	e140	40	288	190	693	130	123	32	139	6.8	15
11	e26	e170	42	196	172	548	107	102	19	506	6.3	30
12	e15	e45	118	144	154	437	76	95	46	511	7.1	42
13	e8.3	e20	153	119	133	561	58	106	101	339	9.9	15
14	e12	e500	121	159	107	2480	50	91	370	218	9.9	16
15	e18	e300	68	292	93	1220	337	86	1080	148	6.2	17
16	e15	e100	37	208	92	789	283	53	614	248	5.6	14
17	e12	29	22	154	e170	601	163	32	390	602	6.3	24
18	e10	15	13	139	e460	473	109	104	222	302	6.6	34
19	e15	12	24	119	e440	396	76	219	148	173	11	35
20	e13	14	33	105	414	324	61	155	72	220	20	39
21	e12	15	24	98	332	350	56	83	45	325	20	14
22	e9.5	19	32	106	254	295	49	47	39	184	23	4.4
23	e7.8	27	81	1540	206	232	42	63	28	155	18	3.8
24	e6.0	26	1100	966	191	206	21	99	79	97	25	3.7
25	e6.2	25	660	514	162	271	26	74	381	132	28	24
26	e7.0	21	316	359	160	290	21	35	838	121	16	33
27	e5.3	19	172	260	192	240	63	30	1230	61	17	13
28	e5.8	19	449	199	758	214	254	19	7230	45	15	5.2
29	e6.5	15	590	197	---	185	177	35	9980	23	14	17
30	e7.0	17	339	1420	---	181	87	49	3600	20	9.7	9.2
31	e9.6	---	200	3130	---	376	---	53	---	18	15	---
TOTAL	511.0	1662.0	4972	13481	10993	17458	5322	3530	27495	9964	411.8	605.3
MEAN	16.5	55.4	160	435	393	563	177	114	916	321	13.3	20.2
MAX	47	500	1100	3130	2180	2480	711	603	9980	1800	28	42
MIN	5.3	7.6	13	98	92	181	21	15	19	18	5.6	3.7
CFSM	.08	.28	.80	2.16	1.95	2.80	.88	.57	4.56	1.60	.07	.10
IN.	.09	.31	.92	2.49	2.03	3.23	.98	.65	5.09	1.84	.08	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1999, BY WATER YEAR (WY)

	MEAN	109	151	336	513	508	766	663	286	223	84.6	56.1	62.7
MAX	503	511	1370	1189	979	1783	2112	761	916	321	255	406	
(WY)	1978	1978	1984	1998	1983	1976	1979	1983	1999	1999	1975	1979	
MIN	1.14	1.39	6.69	6.93	189	181	66.9	9.25	8.64	3.94	1.97	2.45	
(WY)	1979	1979	1981	1981	1978	1985	1978	1981	1981	1977	1977	1978	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1975 - 1999
ANNUAL TOTAL	120631.1	96405.1	
ANNUAL MEAN	330	264	
HIGHEST ANNUAL MEAN			310
LOWEST ANNUAL MEAN			470
HIGHEST DAILY MEAN	9120	9980	103
LOWEST DAILY MEAN	5.0	3.7	19300
ANNUAL SEVEN-DAY MINIMUM	6.3	6.3	.10
INSTANTANEOUS PEAK FLOW		15800	.10
INSTANTANEOUS PEAK STAGE		24.00	23400
ANNUAL RUNOFF (CFSM)	1.64	1.31	28.86
ANNUAL RUNOFF (INCHES)	22.33	17.84	1.54
10 PERCENT EXCEEDS	856	592	20.98
50 PERCENT EXCEEDS	45	86	738
90 PERCENT EXCEEDS	9.9	10	82
			3.9

e Estimated

02423496 CAHABA RIVER NEAR HOOVER, AL

LOCATION.--Lat 33°22'09", long 86°47'03", in NE¹/₄ sec. 19, T. 19 S., R. 2 W., Jefferson County, Hydrologic Unit 03150202, upstream of Cahaba River Sewage Treatment Plant, 1.1 mi upstream from U.S. Highway 31, 2.1 mi upstream from station 02423500, and at mile 138.9.

DRAINAGE AREA.--226 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 379.56 ft above sea level (levels by Jefferson County Engineering Department).

REMARKS.--Estimated daily discharges: June 17-25. 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	11	15	169	3220	700	881	85	101	1860	27	11
2	30	11	16	479	1810	466	615	52	171	964	39	9.3
3	22	11	15	1290	1160	1400	446	36	146	1080	26	11
4	27	12	16	619	794	1230	351	34	93	525	19	14
5	23	11	15	338	550	720	284	36	119	355	15	29
6	19	11	18	238	421	1040	246	808	249	247	14	15
7	34	11	35	201	342	888	251	738	143	231	20	27
8	48	19	148	176	293	597	217	324	71	321	17	32
9	34	41	95	365	247	1050	185	203	44	227	20	17
10	29	143	64	349	234	928	164	128	36	170	12	16
11	27	205	100	239	198	650	139	109	28	549	13	20
12	18	57	145	185	177	470	105	93	65	684	14	34
13	14	21	206	155	156	715	91	123	106	393	17	21
14	14	611	150	183	126	3250	75	103	288	243	19	16
15	17	391	96	326	108	1950	401	93	1750	162	22	17
16	17	160	56	242	98	1090	345	64	817	211	12	15
17	16	66	38	184	188	723	201	45	e440	759	9.9	15
18	14	36	29	174	504	526	144	97	e270	332	8.6	20
19	15	24	33	147	475	429	113	211	e170	190	8.6	18
20	14	22	38	120	431	337	98	166	e90	233	11	26
21	14	22	33	115	338	352	81	90	e63	342	13	19
22	11	19	45	113	256	303	71	52	e50	207	14	8.6
23	9.8	19	116	2150	210	243	74	64	e65	168	13	6.0
24	9.3	20	1790	1720	193	219	54	91	e115	117	13	5.5
25	9.4	18	1120	699	166	301	52	76	e390	123	21	11
26	9.6	16	409	417	157	304	42	40	1390	140	21	20
27	8.9	15	225	302	217	251	92	33	2170	81	15	16
28	9.1	17	568	232	1090	221	273	25	4580	63	19	7.3
29	9.5	15	842	263	---	197	215	29	8380	39	12	34
30	9.5	14	407	2240	---	185	121	50	2560	37	11	18
31	11	---	248	4510	---	431	---	104	---	27	8.3	---
TOTAL	576.1	2049	7131	18940	14159	22166	6427	4202	24960	11080	504.4	528.7
MEAN	18.6	68.3	230	611	506	715	214	136	832	357	16.3	17.6
MAX	48	611	1790	4510	3220	3250	881	808	8380	1860	39	34
MIN	8.9	11	15	113	98	185	42	25	28	27	8.3	5.5
CFSM	.08	.30	1.02	2.70	2.24	3.16	.95	.60	3.68	1.58	.07	.08
IN.	.09	.34	1.17	3.12	2.33	3.65	1.06	.69	4.11	1.82	.08	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1999, BY WATER YEAR (WY)

MEAN	136	276	340	809	747	858	406	166	268	187	69.9	98.1
MAX	690	900	756	1469	1819	1524	838	714	1219	709	329	390
(WY)	1996	1993	1993	1998	1990	1996	1998	1991	1997	1989	1992	1992
MIN	5.33	18.5	93.5	170	361	359	108	11.4	4.61	13.0	10.2	3.22
(WY)	1992	1991	1989	1991	1989	1992	1990	1992	1988	1995	1990	1990

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1988 - 1999

ANNUAL TOTAL	157941.1	112723.2	
ANNUAL MEAN	433	309	
HIGHEST ANNUAL MEAN			366
LOWEST ANNUAL MEAN			545
HIGHEST DAILY MEAN	10100	8380	11500
LOWEST DAILY MEAN	8.9	5.5	2.1
ANNUAL SEVEN-DAY MINIMUM	9.3	9.3	2.4
INSTANTANEOUS PEAK FLOW		10200	12200
INSTANTANEOUS PEAK STAGE		29.67	33.37
ANNUAL RUNOFF (CFSM)	1.91	1.37	1.62
ANNUAL RUNOFF (INCHES)	26.00	18.55	22.00
10 PERCENT EXCEEDS	1100	729	865
50 PERCENT EXCEEDS	74	103	108
90 PERCENT EXCEEDS	15	13	8.3

e Estimated

MOBILE RIVER BASIN
02423496 CAHABA RIVER NEAR HOOVER, AL--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1988 to current year.

WATER TEMPERATURE: November 1988 to current year.

DISSOLVED OXYGEN: November 1988 to current year.

INSTRUMENTATION.--Water-quality monitor since November 1988.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 418 microSiemens, Oct. 13, 1993; minimum observed, 29 microSiemens, May 4, 5, 1997.

WATER TEMPERATURE: Maximum, 34.1°C, June 8, 1990; minimum, 0.5°C, Dec. 24, 1989.

DISSOLVED OXYGEN: Maximum, 14.2 mg/L, Jan. 21, 1992, Mar. 15, 1993, Jan. 17, 1996; minimum, 0.5 mg/L, Sept. 28, 1995.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 404 microSiemens, April 20; minimum, 80 microSiemens, Jan. 31.

WATER TEMPERATURE: Maximum, 31.3°C, July 31; minimum, 4.4°C, Jan. 6.

DISSOLVED OXYGEN: Maximum, 12.0 mg/L, Jan. 15; minimum, 3.8 mg/L, Sept. 8.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	277	267	272	291	288	289	312	299	306	242	222	231
2	271	265	267	302	291	294	313	303	309	256	181	234
3	270	262	266	308	302	306	312	303	307	189	170	178
4	269	254	261	314	308	310	315	306	311	194	182	189
5	256	252	254	329	314	318	313	305	310	193	183	187
6	258	252	254	320	315	317	316	306	311	212	193	202
7	258	240	253	320	317	319	318	265	312	230	212	220
8	243	231	236	322	308	318	265	232	240	252	230	242
9	251	237	245	308	285	299	250	242	246	254	207	232
10	255	248	251	286	129	250	257	243	248	207	196	202
11	255	244	249	263	209	251	259	236	243	206	170	190
12	256	246	249	251	246	249	244	236	239	179	173	177
13	259	251	253	256	250	252	260	241	250	183	178	181
14	259	255	256	262	125	212	279	260	273	189	157	182
15	262	256	258	276	230	254	281	277	279	172	166	168
16	261	254	257	241	193	216	284	279	282	167	161	164
17	262	253	256	223	200	208	280	274	276	170	167	168
18	267	258	262	227	212	219	281	275	278	178	169	173
19	273	267	269	255	227	238	281	259	272	172	166	168
20	273	262	268	281	255	268	263	250	256	171	166	169
21	266	263	265	286	267	277	261	255	258	166	160	162
22	266	263	264	279	265	273	277	256	267	162	157	160
23	267	264	266	270	258	265	263	189	233	201	111	152
24	270	267	269	278	259	265	228	153	186	272	201	241
25	273	270	272	288	270	278	191	158	168	285	272	281
26	276	273	275	307	288	296	174	165	168	281	231	263
27	277	276	277	308	293	303	199	174	185	244	225	232
28	279	276	277	310	296	303	208	171	190	286	242	269
29	289	279	283	311	300	307	175	159	166	289	262	273
30	291	287	289	310	301	306	192	174	180	268	151	205
31	289	287	288	---	---	---	222	192	210	151	80	102
MONTH	291	231	263	329	125	275	318	153	250	289	80	200

MOBILE RIVER BASIN

02423496 CAHABA RIVER NEAR HOOVER, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	121	94	106	207	190	201	178	135	156	225	219	222
2	160	121	140	209	199	205	260	141	172	224	218	222
3	171	125	151	200	146	173	169	161	165	221	217	219
4	126	114	119	146	124	132	166	160	164	231	220	224
5	134	126	129	158	134	149	175	144	168	224	219	222
6	137	119	128	162	130	150	203	169	186	226	110	184
7	138	123	132	158	152	154	269	200	241	206	175	190
8	144	136	138	161	158	160	346	259	296	184	176	178
9	153	137	143	160	142	150	355	283	312	185	178	182
10	194	150	174	162	151	155	296	245	267	202	174	187
11	204	149	195	163	157	161	265	244	256	209	198	202
12	201	196	199	166	160	163	259	226	242	211	200	207
13	197	189	193	165	106	152	259	212	238	211	200	205
14	191	183	187	150	115	136	259	223	242	214	203	208
15	192	183	188	157	146	151	254	148	206	219	214	216
16	196	189	192	159	150	154	248	209	226	219	208	213
17	198	150	181	160	151	155	272	225	241	226	212	221
18	166	147	158	162	152	156	305	240	271	238	200	225
19	168	142	149	163	139	148	284	230	257	226	211	219
20	170	146	156	147	142	144	404	230	324	228	214	223
21	155	145	149	160	144	149	332	219	260	220	214	217
22	159	155	157	165	152	157	228	219	224	230	220	226
23	161	155	158	170	153	163	234	220	231	229	166	216
24	163	160	161	153	124	129	247	225	231	244	229	238
25	176	162	170	161	128	141	249	236	242	242	237	239
26	195	176	182	193	154	178	245	239	242	244	239	241
27	213	195	204	213	193	207	254	184	232	246	242	244
28	203	185	194	207	107	145	246	198	231	250	245	247
29	---	---	---	116	107	114	221	202	207	251	245	249
30	---	---	---	107	99	102	219	208	216	254	246	249
31	---	---	---	166	100	129	---	---	---	255	198	230
MONTH	213	94	162	213	99	154	404	135	232	255	110	218
JUNE			JULY			AUGUST			SEPTEMBER			
1	251	187	220	137	123	129	215	211	213	299	297	298
2	259	150	240	139	122	131	224	214	219	301	298	300
3	240	212	227	139	127	134	---	---	---	300	294	297
4	242	233	239	147	130	137	---	---	---	295	293	294
5	238	225	234	162	147	154	---	---	---	311	293	299
6	230	221	227	171	162	167	---	---	---	322	311	317
7	221	211	213	174	155	170	---	---	---	322	309	320
8	219	213	217	181	168	176	---	---	---	309	236	267
9	224	218	221	182	180	181	---	---	---	249	241	246
10	227	223	225	188	182	186	---	---	---	262	249	257
11	228	225	227	186	158	175	---	---	---	283	260	270
12	235	188	220	176	158	169	246	244	245	286	282	284
13	219	188	207	179	175	177	250	245	248	301	286	296
14	217	125	206	178	172	175	249	240	244	308	301	305
15	173	121	151	181	172	177	250	240	243	310	301	305
16	171	153	166	183	162	177	257	250	254	301	296	299
17	---	---	---	183	170	179	261	257	259	296	287	291
18	---	---	---	183	175	179	268	257	264	288	286	287
19	---	---	---	186	177	181	283	268	275	294	288	292
20	---	---	---	192	167	187	289	283	287	300	293	296
21	---	---	---	182	165	176	292	288	290	308	297	300
22	---	---	---	195	182	188	297	289	292	297	292	294
23	---	---	---	217	195	202	315	297	303	292	167	254
24	---	---	---	212	205	208	307	300	303	194	163	172
25	---	---	---	214	209	210	310	300	303	309	161	223
26	165	150	158	210	208	209	301	290	293	292	285	289
27	163	152	158	211	207	209	291	276	287	286	278	281
28	166	101	135	210	208	209	295	276	283	282	274	278
29	135	102	121	213	208	211	299	295	297	295	252	275
30	137	128	133	225	212	216	300	296	298	267	210	221
31	---	---	---	223	215	217	300	298	299	---	---	---
MONTH	---	---	---	225	122	181	---	---	---	322	161	280

MOBILE RIVER BASIN

02423496 CAHABA RIVER NEAR HOOVER, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	25.6	23.9	24.8	18.3	16.4	17.3	14.3	13.0	13.4	8.5	7.6	8.1
2	25.0	23.4	24.3	17.7	16.6	17.2	14.1	12.8	13.5	10.4	8.4	9.1
3	24.8	23.5	24.2	17.6	16.4	17.0	14.9	13.5	14.2	9.3	7.6	8.4
4	25.6	24.1	24.8	16.6	15.3	15.9	15.3	14.0	14.6	7.6	6.1	6.9
5	25.6	24.4	25.0	15.3	13.8	14.5	16.8	15.0	16.0	6.1	4.6	5.1
6	25.3	24.5	24.9	13.8	12.0	12.6	17.6	16.2	17.0	5.0	4.4	4.7
7	24.8	23.8	24.3	12.0	10.3	11.2	19.1	17.4	18.1	6.4	5.0	5.7
8	23.8	21.9	22.9	12.4	11.1	11.8	19.2	17.5	18.5	7.9	6.4	7.0
9	21.9	20.3	21.0	14.5	12.4	13.5	17.5	14.7	15.9	9.0	6.6	8.0
10	20.5	18.9	19.9	17.7	14.5	15.7	14.7	13.5	14.1	7.3	6.1	6.7
11	20.2	18.7	19.6	16.7	14.9	15.5	14.2	13.5	13.7	6.8	5.8	6.4
12	20.4	18.7	19.6	14.9	13.4	14.1	14.1	13.1	13.5	7.6	5.8	6.7
13	20.5	18.9	19.7	15.2	14.0	14.6	14.2	13.7	14.1	8.8	7.5	8.2
14	20.1	18.7	19.3	15.0	14.0	14.7	13.7	12.3	13.1	12.0	8.5	9.5
15	19.4	17.9	18.7	15.1	14.8	15.0	12.3	10.9	11.4	9.4	8.0	8.7
16	20.0	18.6	19.2	15.7	14.7	15.2	11.0	9.9	10.4	9.4	8.3	9.0
17	20.3	18.8	19.5	16.6	15.6	15.9	10.2	9.5	9.8	10.7	9.0	9.9
18	21.2	19.5	20.2	15.7	14.3	15.1	9.5	8.2	8.9	11.3	10.2	10.8
19	21.5	20.4	21.0	16.4	15.2	15.7	10.5	9.4	9.9	10.2	8.9	9.6
20	31.0	20.3	21.4	16.1	15.1	15.9	12.3	10.4	11.3	11.7	9.6	10.6
21	20.3	18.9	19.7	15.1	13.3	14.0	13.5	12.3	12.8	13.2	11.4	12.3
22	18.9	17.1	18.0	13.9	12.4	13.2	13.7	10.7	12.4	14.3	12.6	13.5
23	17.1	15.2	15.9	15.2	13.8	14.6	10.7	8.1	9.1	15.9	13.6	14.4
24	15.5	13.6	14.6	15.9	15.1	15.5	9.4	8.4	8.8	14.3	12.6	13.5
25	15.6	13.2	14.4	16.1	15.2	15.6	8.7	8.4	8.5	12.7	11.8	12.3
26	15.9	13.5	14.7	16.0	14.8	15.6	9.2	8.6	8.8	12.5	11.0	11.8
27	16.2	13.8	15.0	14.8	13.4	14.0	8.8	8.0	8.4	12.5	11.1	11.9
28	16.4	14.2	15.3	13.7	12.5	13.1	9.5	8.8	9.1	12.6	11.9	12.2
29	17.0	14.6	15.8	13.3	12.1	12.7	9.8	9.0	9.6	14.5	12.2	12.9
30	17.9	15.4	16.6	13.2	12.1	12.6	9.7	8.9	9.2	14.7	13.6	14.1
31	18.5	16.7	17.5	---	---	---	8.9	8.1	8.6	14.2	12.7	13.5
MONTH	31.0	13.2	19.7	18.3	10.3	14.6	19.2	8.0	12.2	15.9	4.4	9.7
FEBRUARY			MARCH			APRIL			MAY			
1	12.7	12.0	12.2	12.9	11.6	12.2	15.8	14.2	14.9	20.1	17.2	18.7
2	12.5	11.9	12.1	13.2	11.6	12.4	16.9	15.3	16.0	21.0	18.0	19.4
3	12.7	12.0	12.4	13.1	12.0	12.6	18.8	16.2	17.4	21.9	18.4	20.2
4	13.3	12.4	12.8	12.0	11.0	11.5	19.4	17.8	18.5	21.8	19.7	20.8
5	12.9	11.7	12.3	11.7	10.6	11.2	20.9	18.0	19.4	21.0	20.2	20.6
6	13.1	11.6	12.3	12.9	11.3	12.1	20.7	19.5	20.0	21.0	18.6	19.8
7	13.9	12.5	13.2	12.8	11.7	12.3	21.8	19.7	20.7	20.7	19.5	20.1
8	14.4	12.8	13.6	12.0	11.4	11.8	21.5	20.6	21.1	21.0	18.9	20.0
9	14.7	13.3	14.0	12.5	11.2	11.8	22.2	20.7	21.4	21.6	19.0	20.4
10	15.0	14.3	14.6	12.6	11.4	12.0	22.7	21.3	22.0	22.0	19.9	21.0
11	16.1	12.0	15.2	12.3	11.4	11.8	23.7	21.5	22.5	23.0	20.5	21.8
12	15.7	13.1	14.5	12.5	10.9	11.7	22.6	20.3	21.5	22.5	21.2	21.9
13	13.1	11.5	12.3	11.9	10.9	11.6	21.2	19.0	20.2	23.0	21.4	22.1
14	11.6	9.9	10.8	11.3	10.9	11.1	20.4	18.8	19.7	22.8	20.6	21.8
15	11.1	9.1	10.3	11.5	10.7	11.0	19.9	17.6	19.3	22.4	20.7	21.7
16	11.7	9.5	10.6	12.2	10.8	11.4	19.2	17.4	18.3	23.7	21.4	22.5
17	12.8	11.5	12.1	12.9	11.4	12.1	18.0	16.5	17.2	24.8	21.7	23.3
18	12.2	11.1	11.6	14.0	11.9	12.9	17.4	15.4	16.4	23.7	22.5	23.1
19	11.6	10.9	11.2	14.9	12.7	13.8	18.1	15.2	16.7	23.3	22.0	22.7
20	12.0	10.5	11.2	14.9	13.4	14.2	19.5	17.0	18.2	23.9	21.5	22.8
21	11.6	10.6	11.1	15.4	13.8	14.5	20.7	18.2	19.4	24.7	21.9	23.3
22	10.6	9.2	10.0	15.0	13.2	14.1	20.8	19.2	20.0	24.6	22.9	23.8
23	9.9	8.8	9.2	15.1	12.8	14.0	22.1	20.1	20.9	25.1	22.9	23.9
24	10.2	8.2	9.2	15.1	13.4	14.2	21.7	21.2	21.5	25.4	23.3	24.3
25	10.0	8.6	9.4	15.0	13.8	14.4	22.0	20.5	21.2	24.9	22.5	23.8
26	12.1	9.8	10.9	14.9	12.8	13.9	22.1	20.7	21.4	24.4	23.4	23.9
27	13.3	11.2	11.8	15.0	12.3	13.7	21.9	20.9	21.3	25.1	22.4	23.7
28	13.3	11.7	12.4	15.4	12.3	13.9	22.0	20.9	21.3	24.7	22.1	23.5
29	---	---	---	15.1	13.9	14.5	20.9	19.6	19.9	24.7	22.4	23.7
30	---	---	---	14.9	14.4	14.6	19.6	18.7	19.1	24.4	23.4	23.8
31	---	---	---	14.4	13.7	14.2	---	---	---	23.5	22.6	22.9
MONTH	16.1	8.2	11.9	15.4	10.6	12.8	23.7	14.2	19.6	25.4	17.2	22.1

MOBILE RIVER BASIN

02423496 CAHABA RIVER NEAR HOOVER, AL--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	9.2	8.3	8.9	---	---	---
4	---	---	---	---	---	---	8.7	5.0	7.3	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	7.3	6.8	7.1
12	10.1	9.3	9.7	---	---	---	---	---	---	7.3	6.8	7.0
13	10.7	10.0	10.3	11.8	6.7	11.2	---	---	---	7.1	6.8	6.9
14	11.1	10.5	10.9	---	---	---	---	---	---	7.3	6.8	7.0
15	11.3	8.7	10.7	---	---	---	---	---	---	7.6	6.9	7.2
16	11.2	8.2	10.7	---	---	---	---	---	---	7.4	6.9	7.1
17	10.5	9.9	10.2	---	---	---	---	---	---	7.0	6.6	6.8
18	---	---	---	---	---	---	---	---	---	6.8	6.2	6.6
19	---	---	---	---	---	---	---	---	---	7.5	6.8	7.1
20	---	---	---	---	---	---	---	---	---	7.7	7.1	7.4
21	---	---	---	---	---	---	---	---	---	7.6	6.9	7.2
22	---	---	---	---	---	---	---	---	---	7.3	6.7	7.0
23	---	---	---	---	---	---	---	---	---	6.8	6.6	6.7
24	---	---	---	---	---	---	---	---	---	7.5	6.6	7.0
25	---	---	---	---	---	---	---	---	---	7.6	6.6	7.2
26	---	---	---	---	---	---	---	---	---	7.3	6.8	7.0
27	---	---	---	---	---	---	6.3	4.0	5.1	7.5	6.8	7.1
28	---	---	---	---	---	---	---	---	---	7.4	6.9	7.1
29	---	---	---	---	---	---	---	---	---	7.6	6.7	7.1
30	---	---	---	---	---	---	---	---	---	7.7	7.0	7.2
31	---	---	---	---	---	---	---	---	---	7.6	7.2	7.4
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.1	7.3	7.6	8.0	7.6	7.8	6.0	4.3	5.4	9.5	6.8	8.0
2	8.1	7.3	7.7	7.7	7.0	7.5	6.8	5.2	5.8	9.2	7.1	7.9
3	8.1	7.7	7.9	7.8	7.3	7.6	---	---	---	9.4	7.0	7.8
4	8.1	7.4	7.8	7.3	6.9	7.0	---	---	---	9.5	7.0	8.1
5	7.6	6.5	7.3	7.0	6.6	6.8	---	---	---	8.6	6.6	7.6
6	7.9	7.3	7.6	6.7	6.3	6.6	---	---	---	8.3	6.0	6.8
7	7.7	7.1	7.5	6.4	5.6	6.1	---	---	---	7.6	6.2	6.7
8	7.4	6.7	7.1	6.5	6.1	6.4	---	---	---	6.7	3.8	5.0
9	7.2	6.4	6.7	6.4	6.0	6.3	---	---	---	5.2	4.0	4.5
10	7.0	6.3	6.6	6.2	5.7	6.1	---	---	---	6.9	5.2	5.9
11	6.6	6.0	6.3	6.7	5.6	6.2	---	---	---	7.3	5.8	6.5
12	6.7	5.7	6.3	6.7	6.3	6.6	7.1	6.3	6.6	7.9	5.6	6.9
13	6.9	6.2	6.5	6.7	6.2	6.6	7.2	5.9	6.5	7.8	6.3	6.9
14	6.8	6.2	6.5	6.7	6.4	6.6	7.4	5.8	6.6	7.4	5.9	6.6
15	7.5	6.8	7.2	6.5	6.3	6.4	8.4	6.4	7.3	7.7	6.2	6.8
16	7.5	7.3	7.4	6.3	5.1	6.1	8.6	6.9	7.6	7.7	6.2	6.7
17	---	---	---	6.9	6.3	6.7	8.4	7.1	7.6	7.8	6.2	7.0
18	---	---	---	6.6	6.2	6.5	8.8	6.5	7.6	7.9	6.7	7.2
19	---	---	---	6.4	6.2	6.3	8.7	6.5	7.3	7.4	6.0	6.8
20	---	---	---	6.5	5.9	6.2	8.5	6.4	7.3	6.8	6.0	6.5
21	---	---	---	6.9	5.9	6.5	8.5	6.4	7.3	6.5	5.7	6.1
22	---	---	---	6.7	6.1	6.4	8.8	6.4	7.6	7.0	5.7	6.3
23	---	---	---	6.6	6.0	6.3	8.4	6.4	7.2	7.3	6.1	6.6
24	---	---	---	6.2	5.4	5.9	7.3	6.0	6.5	7.6	6.3	6.9
25	---	---	---	6.4	5.3	5.9	7.6	6.0	6.9	7.6	6.4	6.8
26	7.7	7.3	7.5	6.5	5.9	6.1	8.2	6.0	7.0	7.8	6.7	7.2
27	7.9	7.7	7.8	6.6	5.9	6.1	8.0	6.4	7.3	7.4	6.1	6.8
28	7.8	6.2	7.2	6.6	5.7	6.0	8.5	6.5	7.6	7.3	5.7	6.5
29	7.4	6.5	7.0	6.5	5.1	5.9	8.9	6.5	7.5	6.2	5.6	5.9
30	7.8	7.3	7.7	6.2	4.7	5.4	8.7	6.8	7.6	6.3	5.3	5.8
31	---	---	---	5.9	4.7	5.2	9.5	6.8	7.8	---	---	---
MONTH	---	---	---	8.0	4.7	6.4	---	---	---	9.5	3.8	6.7

MOBILE RIVER BASIN

02423500 CAHABA RIVER NEAR ACTON, AL

LOCATION.--Lat 33°21'48", long 86°48'47", in SE 1/4 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 at mile 136.8.

DRAINAGE AREA.--230 mi².

PERIOD OF RECORD.--October 1938 to September 1957, October 1983 to current year.

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 375.00 ft above sea level. Prior to Feb. 25, 1939, wire-weight gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. An average of 82 ft³/s is diverted above station by Birmingham Water Works Board, and is not included in record 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	27	32	182	3240	751	873	99	130	1780	43	26
2	47	28	33	531	1750	533	664	66	173	963	54	25
3	40	28	31	1240	1120	1390	505	50	180	1030	42	25
4	45	28	33	664	809	1190	401	46	107	578	37	29
5	42	28	32	382	612	746	325	49	121	388	33	36
6	38	27	33	261	481	1060	290	861	274	268	32	30
7	55	27	54	224	392	892	288	770	159	253	37	33
8	69	37	179	193	337	650	245	373	87	353	34	39
9	52	65	108	428	283	1040	206	231	58	248	38	28
10	46	191	82	396	297	916	181	147	47	177	31	28
11	44	240	125	267	232	688	152	124	41	542	31	29
12	37	77	157	203	204	525	115	105	73	748	31	36
13	31	40	228	167	183	775	98	144	116	441	34	32
14	30	755	161	204	151	3230	84	117	209	269	36	27
15	34	462	112	369	131	1890	499	103	1720	170	38	27
16	34	182	76	269	119	1060	403	75	803	225	31	26
17	33	81	57	199	223	747	234	55	514	758	28	26
18	31	52	48	189	561	582	164	99	284	373	26	30
19	32	43	52	157	540	482	127	238	189	209	26	30
20	31	41	56	127	493	382	105	189	106	236	29	35
21	31	41	52	121	387	398	89	106	74	374	30	32
22	28	38	65	116	295	341	80	67	62	228	31	24
23	25	37	140	2170	242	274	84	87	73	180	31	22
24	25	39	1750	1690	218	248	66	104	151	130	31	21
25	25	37	1120	724	187	373	64	89	406	126	37	23
26	25	34	456	455	173	359	54	53	1380	153	38	29
27	25	32	249	323	253	292	113	46	2280	92	32	29
28	25	34	572	240	1130	252	311	37	4370	75	34	23
29	26	32	840	283	---	222	250	39	9090	53	29	43
30	26	31	452	2450	---	207	140	60	2940	53	28	32
31	27	---	273	4720	---	529	---	145	---	43	25	---
TOTAL	1109	2814	7658	19944	15043	23024	7210	4774	26217	11516	1037	875
MEAN	35.8	93.8	247	643	537	743	240	154	874	371	33.5	29.2
MAX	69	755	1750	4720	3240	3230	873	861	9090	1780	54	43
MIN	25	27	31	116	119	207	54	37	41	43	25	21
CFSM	.16	.41	1.07	2.80	2.34	3.23	1.04	.67	3.80	1.62	.15	.13
IN.	.18	.46	1.24	3.23	2.43	3.72	1.17	.77	4.24	1.86	.17	.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

MEAN	71.1	206	372	652	779	783	493	194	142	168	105	82.2
MAX	760	1880	1922	1717	1974	1652	1277	768	1197	1236	812	429
(WY)	1996	1949	1984	1949	1990	1951	1944	1991	1997	1940	1941	1992
MIN	.13	3.45	16.9	26.5	171	65.8	10.7	20.0	4.83	6.74	1.21	.010
(WY)	1955	1954	1939	1986	1986	1986	1986	1942	1956	1952	1956	1954

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1939 - 1999

ANNUAL TOTAL	164299	121221	
ANNUAL MEAN	450	332	
HIGHEST ANNUAL MEAN			335
LOWEST ANNUAL MEAN			652
HIGHEST DAILY MEAN	11900	9090	18900
LOWEST DAILY MEAN	25	21	.00
ANNUAL SEVEN-DAY MINIMUM	25	24	.00
INSTANTANEOUS PEAK FLOW		10400	25500
INSTANTANEOUS PEAK STAGE		28.10	44.25
ANNUAL RUNOFF (CFSM)	1.96	1.44	1.46
ANNUAL RUNOFF (INCHES)	26.57	19.61	19.79
10 PERCENT EXCEEDS	1150	763	812
50 PERCENT EXCEEDS	81	117	85
90 PERCENT EXCEEDS	31	29	6.8

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 33°18'48", long 86°48'23", in NW¹/₄ sec. 12, T. 20 N., R. 3 E., Shelby County, Hydrologic Unit 03150221, on upstream side of Cross Creek Road at Pelham.

DRAINAGE AREA.--25.6 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.-- December 1998 to present.

GAGE.--Water-stage recorder. Datum of gage is 440 ft above sea level (from topographic map).

NOTE: WATER-DISCHARGE DATA FOR 1999 WATER YEAR WILL BE PUBLISHED IN ALABAMA DATA REPORT WDR AL-2000-1

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 19...	4.7	.8	11	230	2	<1	.3	.50	76	62	13
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NIUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 19...	21	1	11	<1	1	2.5	38	23	33	.32	1300
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 19...	.05	1	32	32	12	.054	.79	7	.6	.6	.090
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
AUG 19...	39	<.05	<1	10	2	3.5	63	25	3	120	
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
AUG 19...	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00
DATE	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
AUG 19...	<1.00	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 19...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
JAN											
06...	1100	2.41	31	7.1	5.8	761	10.7	89	7.9	7.8	254
21...	0800	2.34	24	14.3	20.2	750	8.8	87	8.0	7.9	260
FEB											
10...	1330	3.25	68	16.5	21.0	753	8.8	91	8.0	7.7	168
25...	0900	2.51	26	10.0	8.5	750	10.6	95	8.0	7.9	265
MAR											
03...	1030	2.86	82	13.4	14.0	744	8.6	84	7.9	7.6	159
09...	1015	3.35	117	12.1	--	745	10.2	97	7.7	7.6	157
15...	1300	3.46	131	12.7	12.0	750	10.1	97	7.9	7.7	140
24...	1100	2.51	32	15.4	19.5	748	11.8	120	8.1	8.1	258
30...	1030	2.54	35	15.0	16.0	753	10.4	104	8.2	8.0	235
APR											
06...	1100	2.68	46	20.1	23.5	759	8.0	89	8.0	7.8	191
15...	0910	3.47	139	17.5	23.5	739	8.6	93	7.9	7.4	188
22...	1030	2.37	18	18.7	22.5	751	8.3	90	8.1	7.8	283
28...	1045	2.48	21	20.0	24.5	746	9.2	103	7.8	8.0	243
MAY											
06...	1045	3.35	102	18.9	21.0	751	7.6	83	8.0	7.5	188
13...	1230	2.34	18	20.6	25.0	748	8.1	92	7.7	7.9	291
20...	1030	2.27	15	20.1	21.5	753	8.9	99	7.9	7.9	306
27...	0920	2.21	12	20.9	27.5	756	8.1	92	8.0	8.0	322
JUN											
01...	1030	2.27	14	21.6	24.0	755	8.4	96	7.9	8.0	303
08...	1000	2.29	6.8	22.9	26.0	757	6.9	81	8.1	8.0	381
15...	1115	2.58	28	23.1	24.5	754	7.3	86	8.1	8.0	316
22...	1030	2.22	9.0	22.1	26.0	757	7.3	84	8.0	7.8	354
30...	1100	3.03	68	24.0	26.0	753	6.8	82	7.7	7.5	189
JUL											
06...	1100	2.34	19	24.5	29.5	758	6.5	78	7.9	8.0	324
15...	1100	2.33	18	23.5	28.0	760	7.1	84	8.1	7.9	276
20...	0830	2.48	28	24.4	26.0	758	6.7	81	7.9	8.0	221
AUG											
05...	0920	2.26	9.4	24.3	28.5	752	7.2	87	8.3	8.1	348
12...	1100	2.31	8.8	26.0	33.0	754	8.8	110	8.0	8.1	359
17...	1015	2.29	8.1	24.4	31.5	758	7.7	92	7.9	8.0	366
23...	1100	2.29	8.1	25.1	32.0	753	7.7	95	7.6	8.0	364
31...	1330	2.25	7.4	24.3	29.0	756	8.0	97	8.0	8.1	374
SEP											
10...	1105	2.30	7.4	22.4	26.5	752	6.5	76	7.6	8.1	366
16...	1100	2.20	6.1	20.7	26.5	755	8.2	92	8.2	8.0	378
23...	0930	2.32	8.2	17.0	16.0	754	7.6	80	7.8	8.0	382

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)
JAN											
06...	258	142	129	106	1.2	1.2	.15	.11	.050	<.010	--
21...	277	157	142	116	1.5	1.5	.10	.12	.027	<.010	--
FEB											
10...	172	99	83	68	1.2	.96	.52	.27	.022	<.010	--
25...	265	148	147	121	1.0	--	--	--	<.020	<.010	--
MAR											
03...	160	93	77	63	.94	.74	--	--	<.020	<.010	--
09...	157	92	73	60	.78	.67	.30	.19	.076	<.010	--
15...	137	84	66	54	.65	.54	.18	.08	.023	<.010	--
24...	258	147	133	109	1.0	--	--	--	<.020	<.010	--
30...	236	129	122	100	--	--	--	--	<.020	<.010	--
APR											
06...	189	107	97	79	.70	--	--	--	<.020	<.010	--
15...	176	106	79	65	3.2	2.5	2.1	1.3	.698	<.010	--
22...	285	157	155	127	.87	--	--	--	<.020	<.010	--
28...	244	138	134	110	.75	.59	.27	.11	.031	<.010	--
MAY											
06...	193	108	96	79	1.5	.92	.74	.20	.091	<.010	--
13...	292	170	162	133	1.4	1.3	.17	.12	.033	<.010	--
20...	328	186	162	133	2.2	2.1	.18	.07	.031	<.010	--
27...	340	196	177	145	2.4	2.4	.14	.11	.042	.012	2.22
JUN											
01...	316	187	157	129	2.6	2.5	.25	.15	.032	.011	2.35
08...	342	213	177	145	--	2.5	--	.10	.064	.018	2.28
15...	336	202	170	140	--	--	--	--	<.020	<.010	--
22...	348	209	179	147	2.9	2.9	.23	.14	.021	.012	2.68
30...	186	108	94	77	.96	.73	.41	.18	.029	<.010	--
JUL											
06...	316	193	171	140	1.5	1.4	.21	.11	.035	.019	1.28
15...	278	160	150	123	1.4	1.3	--	--	<.020	<.010	--
20...	224	120	122	100	1.0	.94	.25	.19	.030	<.010	--
AUG											
05...	341	199	181	151	1.4	--	--	--	<.020	<.010	--
12...	347	200	187	153	1.5	1.4	--	--	<.020	<.010	--
17...	354	194	188	154	2.1	2.1	--	--	<.020	<.010	--
23...	358	204	189	155	1.7	1.6	.27	.19	.048	<.010	--
31...	368	210	183	150	3.1	3.0	.27	.13	.020	<.010	--
SEP											
10...	360	200	186	153	1.5	1.4	.23	.15	.023	<.010	--
16...	370	217	184	151	3.2	3.2	.22	.29	.026	<.010	--
23...	372	221	180	147	3.5	3.4	--	--	<.020	<.010	--

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JAN											
06...	.16	.20	1.01	.15	.073	.061	.048	1.6	.20	38	5.2
21...	.14	.12	1.40	.26	.108	.100	.086	1.3	.20	40	5.7
FEB											
10...	.30	.54	.661	.19	.112	.061	.061	4.1	1.1	26	4.1
25...	E.10	.12	.896	.13	.065	.049	.042	--	--	41	5.2
MAR											
03...	.28	.48	.462	.10	.165	.044	.031	2.8	1.0	23	3.5
09...	.27	.38	.403	.18	.112	.059	.058	2.4	.80	22	3.3
15...	.10	.20	.441	.07	.047	.022	.024	1.7	.50	19	3.0
24...	E.10	.16	.879	.22	.058	.050	.071	1.2	<.20	37	4.9
30...	E.10	E.09	.707	.14	.066	.054	.045	1.2	.20	37	4.9
APR											
06...	E.10	.21	.491	.10	.050	.041	.031	1.4	.20	28	3.9
15...	2.0	2.8	.408	.57	.503	.213	.185	6.0	3.5	23	3.8
22...	E.10	.15	.720	.16	.083	.067	.051	1.2	.30	44	5.8
28...	.14	.30	.447	.14	.073	.051	.045	1.9	.40	37	5.1
MAY											
06...	.29	.83	.626	.15	.197	.060	.048	3.7	2.0	27	3.8
13...	.16	.21	1.16	.25	.112	.098	.081	1.6	--	42	6.0
20...	.10	.21	1.96	.43	.198	.173	.139	1.5	.20	47	6.9
27...	.15	.19	2.23	.38	.181	.165	.124	1.3	.20	49	7.2
JUN											
01...	.18	.28	2.36	.44	.177	.150	.142	1.8	.30	46	6.9
08...	.17	E.06	2.30	.49	.206	.181	.159	1.3	--	51	7.6
15...	.16	.21	<.050	--	.199	.206	<.010	1.9	.30	51	7.8
22...	.16	.25	2.69	.50	.231	.199	.164	1.6	.20	50	7.7
30...	.21	.44	.521	.04	.088	.005	.012	3.0	1.6	28	4.0
JUL											
06...	.14	.25	1.30	.26	.115	.097	.084	1.6	.40	49	6.6
15...	.16	.29	1.15	.25	.131	.094	.080	1.8	.50	41	5.8
20...	.22	.28	.720	.15	.094	.049	.048	2.2	.70	33	4.7
AUG											
05...	E.10	.19	1.20	.50	.207	.191	.162	1.6	.30	51	7.5
12...	.12	.19	1.32	.51	.200	.190	.166	1.5	.20	51	7.6
17...	.26	.24	1.87	.59	.233	.222	.194	1.4	.30	52	7.8
23...	.23	.32	1.39	.75	--	.258	.246	1.9	--	50	7.8
31...	.15	.29	2.81	1.0	.379	.343	.330	1.8	.30	51	8.1
SEP											
10...	.17	.25	1.24	.95	.355	.320	.310	1.9	.30	50	8.1
16...	.32	.24	2.92	1.0	.331	.343	.329	2.0	.40	46	7.6
23...	.20	.24	3.23	1.2	.417	.394	.390	2.1	--	50	8.2

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
JAN										
06...	3.8	.2	7	1.2	4.4	7.5	<.10	7.4	E8.5	21
21...	5.1	.2	8	1.4	4.8	7.8	<.10	6.7	16	20
FEB										
10...	2.1	.1	5	1.5	2.7	5.2	<.10	5.2	51	30
25...	3.6	.1	6	1.1	4.0	6.1	<.10	6.6	12	32
MAR										
03...	2.3	.1	6	1.2	2.8	5.9	<.10	5.2	28	21
09...	2.5	.1	7	1.1	3.7	4.7	<.10	5.4	27	22
15...	2.3	.1	8	.94	3.0	4.9	<.10	6.3	16	19
24...	3.5	.1	6	1.1	4.0	5.9	<.10	5.7	13	24
30...	3.4	.1	6	.81	3.7	4.7	<.10	6.2	17	22
APR										
06...	2.6	.1	6	.89	3.0	4.9	<.10	6.1	12	19
15...	1.9	.1	5	3.1	3.7	6.8	<.10	4.0	70	53
22...	4.2	.2	6	1.2	4.3	6.3	<.10	6.3	16	30
28...	3.4	.1	6	1.3	3.6	5.0	<.10	6.7	16	23
MAY										
06...	2.2	.1	6	.87	3.4	5.1	<.10	4.6	24	7.3
13...	4.5	.2	7	1.3	5.3	5.9	<.10	7.0	E9.9	24
20...	7.4	.3	10	1.9	7.7	8.2	<.10	7.3	E9.3	25
27...	7.5	.3	9	4.5	7.7	8.0	<.10	7.5	E6.8	24
JUN										
01...	6.4	.2	9	1.9	7.2	7.9	<.10	7.2	E9.6	21
08...	7.3	.3	9	1.8	7.2	8.0	<.10	7.6	<10	28
15...	7.3	.3	9	1.8	7.2	7.6	<.10	8.3	11	25
22...	8.9	.3	11	1.9	7.3	7.5	<.10	7.8	E5.5	31
30...	2.9	.1	7	1.3	3.9	6.0	<.10	6.5	21	16
JUL										
06...	4.2	.2	6	1.3	5.2	6.6	<.10	8.2	E6.2	39
15...	4.3	.2	7	1.3	4.9	5.3	<.10	7.0	E5.2	27
20...	3.2	.1	6	1.2	3.1	4.7	.80	6.1	<10	17
AUG										
05...	7.4	.3	9	1.8	6.1	.11	<.10	8.8	E7.0	31
12...	8.1	.3	10	2.0	7.5	8.4	<.10	9.0	10	33
17...	9.4	.3	11	2.5	8.0	.15	.13	9.1	E5.7	32
23...	10	.4	12	2.4	9.1	9.5	.12	9.3	E6.8	31
31...	12	.4	14	2.4	11	9.7	.12	9.5	E6.6	31
SEP										
10...	12	.4	13	2.7	10	9.7	.15	9.4	E7.1	29
16...	13	.5	16	2.8	11	12	.12	9.1	E6.4	27
23...	16	.5	17	3.1	12	11	.17	9.5	E5.5	23

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
(National Water-Quality Assessment Station)

VOLATILE ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	DI-BROMO-METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLORIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	ACRYLO-NITRILE TOTAL (UG/L) (34215)	CHLORO-BENZENE TOTAL (UG/L) (34301)
JAN 06...	<.050	<.048	<.088	<.130	<.100	<.180	E.021	E.034	E.016	<1.20	<.028
JAN 21...	<.050	<.048	<.088	<.130	<.100	<.180	E.031	E.014	<.100	<1.20	<.028
FEB 10...	<.050	<.048	<.088	<.130	<.100	<.180	E.022	<.050	<.100	<1.20	<.028
FEB 25...	<.050	.113	<.088	<.130	<.100	E.027	.500	E.040	E.020	<1.20	<.028
MAR 03...	<.050	<.048	<.088	<.130	<.100	<.180	E.025	E.047	E.029	<1.20	<.028
MAR 15...	<.050	<.048	<.088	<.130	<.100	<.180	E.023	E.075	E.036	<1.20	<.028
APR 06...	<.050	<.048	<.088	<.130	<.100	<.180	E.022	E.020	<.100	<1.20	<.028
MAY 13...	<.050	E.045	<.088	<.130	<.100	<.180	.203	E.034	E.012	<1.20	<.028
JUN 22...	<.050	<.048	<.088	<.130	<.100	<.180	E.037	E.019	<.100	<1.20	<.028
AUG 31...	<.050	<.048	<.088	<.130	<.100	<.180	.145	<.050	<.100	<1.20	<.028
DATE	CHLORO-ETHANE TOTAL (UG/L) (34311)	ETHYL-BENZENE TOTAL (UG/L) (34371)	ETHANE HEXA-CHLORO-WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLORIDE TOTAL (UG/L) (34418)	METHYL-ENE CHLORIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)
JAN 06...	<.120	<.030	<.360	<.150	<.250	<.380	E.067	<.090	<.066	<.044	<.032
JAN 21...	<.120	<.030	<.360	<.150	<.250	<.380	E.050	<.090	<.066	<.044	<.032
FEB 10...	<.120	<.030	<.360	<.150	<.250	<.380	E.036	<.090	<.066	<.044	<.032
FEB 25...	<.120	<.030	<.360	<.150	<.250	<.380	E.050	<.090	<.066	<.044	<.032
MAR 03...	<.120	E.007	<.360	<.150	<.250	<.380	E.028	<.090	<.066	<.044	<.032
MAR 15...	<.120	E.011	<.360	<.150	<.250	<.380	E.037	<.090	<.066	<.044	<.032
APR 06...	<.120	<.030	<.360	<.150	<.250	<.380	E.044	<.090	<.066	<.044	<.032
MAY 13...	<.120	<.030	<.360	<.150	<.250	<.380	E.046	<.090	<.066	<.044	<.032
JUN 22...	<.120	<.030	<.360	<.150	<.250	<.380	E.034	<.090	<.066	<.044	<.032
AUG 31...	<.120	<.030	<.360	<.150	<.250	<.380	E.037	<.090	<.066	<.044	<.032
DATE	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2-TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (UG/L) (34551)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	NAPHTH-ALENE TOTAL (UG/L) (34696)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)
JAN 06...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
JAN 21...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
FEB 10...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
FEB 25...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
MAR 03...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
MAR 15...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
APR 06...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
MAY 13...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
JUN 22...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130
AUG 31...	<.064	<.130	<.048	<.068	<.032	<.190	<.054	<.050	<.140	<.250	<.130

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
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VOLATILE ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)
JAN											
06...	<.090	<.110	E.006	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
21...	<.090	<.110	<.038	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
FEB											
10...	<.090	<.110	<.038	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
25...	<.090	<.110	<.038	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
MAR											
03...	<.090	<.110	<.038	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
15...	<.090	<.110	<.038	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
APR											
06...	<.090	<.110	<.038	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
MAY											
13...	<.090	<.110	E.013	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
JUN											
22...	<.090	<.110	E.010	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
AUG											
31...	<.090	<.110	<.038	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700
DATE	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	STYRENE TOTAL (UG/L) (77128)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	1,1-DI CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	2,2-DI CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)
JAN											
06...	<.280	<.370	E.011	<.700	<.042	<.060	<.026	<.078	<.120	<.100	<.120
21...	<.280	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120	<.100	<.120
FEB											
10...	<.280	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120	<.100	<.120
25...	<.280	<.370	E.007	<.700	<.042	<.060	<.026	<.078	<.120	<.100	<.120
MAR											
03...	<.280	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120	<.100	<.120
15...	<.280	<.370	<.038	<.700	<.042	E.019	<.026	<.078	<.120	<.100	<.120
APR											
06...	<.280	<.370	E.008	<.700	E.010	<.060	<.026	<.078	<.120	<.100	<.120
MAY											
13...	<.280	<.370	E.018	<.700	E.017	<.060	<.026	<.078	<.120	<.100	<.120
JUN											
22...	<.280	<.370	E.022	<.700	<.042	<.060	<.026	<.078	<.120	<.100	<.120
AUG											
31...	<.280	<.370	E.021	<.700	E.019	<.060	<.026	<.078	<.120	<.100	<.120
DATE	BENZENE 124-TRI METHYL UNFLT RECOVER (UG/L) (77222)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	METHANE BROMO CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	
JAN											
06...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100	
21...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100	
FEB											
10...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100	
25...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100	
MAR											
03...	E.009	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100	
15...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100	
APR											
06...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100	
MAY											
13...	E.011	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100	
JUN											
22...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100	
AUG											
31...	<.056	<.032	<.042	<.044	<.042	<.056	<.044	<.190	<.048	<.100	

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
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VOLATILE ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)
JAN										
06...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	.421	<.200	<.370
21...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	.360	<.200	<.370
FEB										
10...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	<.170	<.200	<.370
25...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	.299	<.200	<.370
MAR										
03...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	.262	<.200	<.370
15...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	E.170	<.200	<.370
APR										
06...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	.201	<.200	<.370
MAY										
13...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	E.111	<.200	<.370
JUN										
22...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	<.170	<.200	<.370
AUG										
31...	<.110	<.210	<.160	<.044	<.270	<.036	<.032	<.170	<.200	<.370
DATE	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	METH- ACRYLO- NITRILE WATER UNFLTRD RECOVER (UG/L) (81593)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)
JAN										
06...	<5.00	<.036	<.170	E.051	<.570	<1.60	<.350	<9.00	<.210	<.060
21...	<5.00	<.036	<.170	E.033	<.570	<1.60	<.350	<9.00	<.210	<.060
FEB										
10...	<5.00	<.036	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
25...	<5.00	<.036	<.170	E.028	<.570	<1.60	<.350	<9.00	<.210	E.022
MAR										
03...	<5.00	<.036	<.170	E.031	<.570	<1.60	<.350	<9.00	<.210	E.025
15...	<5.00	<.036	<.170	E.026	<.570	<1.60	<.350	<9.00	<.210	E.032
APR										
06...	<5.00	<.036	<.170	E.017	<.570	<1.60	<.350	<9.00	<.210	<.060
MAY										
13...	<5.00	<.036	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
JUN										
22...	<5.00	<.036	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
AUG										
31...	<5.00	<.036	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
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PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)
FEB											
10...	<.0070	<.0020	--	.656	<.0180	E.0076	<.0040	<.0030	<.0020	<.0060	--
MAR											
03...	<.0070	<.0020	<.910	.224	<.0180	E.0105	<.0040	<.0030	<.0020	<.0060	<.0350
09...	<.0070	<.0020	<.800	.160	<.0180	E.0069	<.0040	<.0030	<.0020	<.0060	<.0350
15...	<.0070	<.0020	<.320	.169	<.0180	E.0077	<.0040	<.0030	<.0020	<.0060	<.0350
24...	<.0070	<.0020	<.360	.0827	<.0180	E.0092	<.0040	<.0030	<.0020	<.0060	<.0350
30...	<.0070	<.0020	<.550	.0881	E.0037	E.0079	<.0040	<.0030	<.0020	<.0060	<.0350
APR											
06...	<.0070	<.0020	<.480	.0937	<.0180	E.0069	<.0040	<.0030	<.0020	<.0060	<.0350
15...	<.0070	<.0020	<.380	.0644	<.0180	E.0082	<.0040	<.0030	<.0020	<.0060	<.0350
22...	<.0070	<.0020	--	.0616	<.0180	E.0101	<.0040	<.0030	<.0020	<.0060	--
28...	<.0070	<.0020	--	.0446	<.0180	E.0101	<.0040	<.0030	<.0020	<.0060	--
MAY											
06...	<.0070	<.0020	--	.0471	<.0180	E.0124	<.0040	<.0030	<.0020	<.0060	--
13...	<.0070	<.0020	--	.0604	<.0180	E.0149	<.0040	<.0030	<.0020	<.0060	--
27...	<.0070	<.0020	--	.0372	E.0032	E.0059	<.0040	<.0030	<.0020	<.0060	--
JUN											
01...	<.0070	<.0020	--	.0324	E.0026	E.0081	<.0040	<.0030	<.0020	<.0060	--
08...	<.0070	<.0020	--	.0331	E.0058	E.0096	<.0040	<.0030	<.0020	<.0060	--
15...	<.0070	<.0020	--	.0295	<.0180	E.0108	<.0040	<.0030	<.0020	<.0060	--
22...	<.0070	<.0020	--	.0306	<.0180	E.0114	<.0040	<.0030	<.0020	<.0060	--
30...	<.0070	<.0020	--	.140	<.0180	E.0110	<.0040	<.0030	<.0020	<.0060	--
JUL											
06...	<.0070	<.0020	--	.0593	E.0080	E.0160	<.0040	<.0030	<.0020	<.0060	--
15...	<.0070	<.0020	--	.0862	E.0105	E.0124	<.0040	<.0030	<.0020	<.0060	--
20...	<.0070	<.0020	--	.192	E.0047	E.0174	<.0040	<.0030	<.0020	<.0060	--
AUG											
05...	<.0070	<.0020	--	.0343	E.0060	E.0118	<.0040	<.0030	<.0020	<.0060	--
12...	<.0070	<.0020	--	.0217	<.0180	E.0124	<.0040	<.0030	<.0020	<.0060	--
17...	<.0070	<.0020	--	.0272	E.0085	E.0116	<.0040	<.0030	<.0020	<.0060	--
23...	<.0070	<.0020	--	.0195	<.0180	E.0117	<.0040	<.0030	<.0020	<.0060	--
31...	<.0070	<.0020	--	.0218	E.0053	E.0104	<.0040	<.0030	<.0020	<.0060	--
SEP											
10...	<.0070	<.0020	--	.0206	<.0180	E.0934	<.0040	<.0030	<.0020	<.0060	--
16...	<.0070	<.0020	--	.0280	<.0180	E.0106	<.0040	<.0030	<.0020	<.0060	--
23...	<.0070	<.0020	--	.0242	E.0047	E.0106	<.0040	<.0030	<.0020	<.0060	--

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
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PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)
FEB 10...	--	--	--	--	--	--	--	--	--	.0050	<.004
MAR 03...	<.0180	<.170	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.0180	.0050	<.004
09...	<.0180	.290	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.0180	E.0032	<.004
15...	<.0180	<.170	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.0180	E.0034	<.004
24...	<.0180	<.170	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.0180	<.0040	<.004
30...	<.0180	<.170	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.0180	<.0040	<.004
APR 06...	<.0180	<.170	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.0180	E.0032	<.004
15...	<.0180	<.170	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.0180	.0056	<.004
22...	--	<.0585	<.0625	<.0795	<.0594	<.0193	<.0538	<.0617	<.0160	<.0040	<.004
28...	--	--	--	--	--	--	--	--	--	<.0040	<.004
MAY 06...	--	--	--	--	--	--	--	--	--	<.0040	<.004
13...	--	--	--	--	--	--	--	--	--	<.0040	<.004
27...	--	--	--	--	--	--	--	--	--	<.0040	<.004
JUN 01...	--	--	--	--	--	--	--	--	--	.0042	<.004
08...	--	--	--	--	--	--	--	--	--	<.0040	<.004
15...	--	--	--	--	--	--	--	--	--	<.0040	<.004
22...	--	--	--	--	--	--	--	--	--	<.0040	<.004
30...	--	--	--	--	--	--	--	--	--	<.0040	<.004
JUL 06...	--	--	--	--	--	--	--	--	--	<.0040	<.004
15...	--	--	--	--	--	--	--	--	--	<.0040	<.004
20...	--	--	--	--	--	--	--	--	--	<.0040	<.004
AUG 05...	--	--	--	--	--	--	--	--	--	<.0040	<.004
12...	--	--	--	--	--	--	--	--	--	<.0040	<.004
17...	--	--	--	--	--	--	--	--	--	<.0040	<.004
23...	--	--	--	--	--	--	--	--	--	<.0040	<.004
31...	--	--	--	--	--	--	--	--	--	E.0026	<.004
SEP 10...	--	--	--	--	--	--	--	--	--	<.0040	<.004
16...	--	--	--	--	--	--	--	--	--	<.0040	<.004
23...	--	--	--	--	--	--	--	--	--	E.0029	<.004

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DATE	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4,5-T DIS- SOLVED (UG/L) (39742)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)
FEB											
10...	<.001	<.002	<.005	<.004	.007	.105	--	--	--	<.002	--
MAR											
03...	<.001	<.002	<.005	<.004	.008	.150	.100	<.0350	<.0210	<.002	<.250
09...	<.001	<.002	<.005	<.004	.032	.069	.290	<.0350	<.0210	<.002	<.250
15...	<.001	<.002	<.005	<.004	.011	.047	E.060	<.0350	<.0210	<.002	<.250
24...	<.001	<.002	<.005	<.004	<.002	.035	<.150	<.0350	<.0210	<.002	<.250
30...	<.001	<.002	<.005	<.004	<.002	.030	<.150	<.0350	<.0210	<.002	<.250
APR											
06...	<.001	<.002	<.005	<.004	<.002	.024	<.150	<.0350	<.0210	<.002	<.250
15...	<.001	.012	<.005	<.004	.070	.035	.800	<.0350	<.0210	<.002	<.250
22...	<.001	<.002	<.005	<.004	.004	.034	--	--	--	<.002	--
28...	<.001	<.002	<.005	<.004	.005	.026	--	--	--	<.002	--
MAY											
06...	<.001	.005	<.005	<.004	.031	.037	--	--	--	<.002	--
13...	<.001	<.002	<.005	<.004	.008	.033	--	--	--	.018	--
27...	<.001	<.002	<.005	<.004	.012	.030	--	--	--	.009	--
JUN											
01...	<.001	E.004	<.005	<.004	.006	.029	--	--	--	<.002	--
08...	<.001	<.002	E.004	<.004	.012	.029	--	--	--	<.002	--
15...	<.001	<.002	<.005	<.004	.007	.027	--	--	--	.015	--
22...	<.001	<.002	<.005	<.004	<.002	.027	--	--	--	<.002	--
30...	<.001	<.002	<.005	<.004	.012	.026	--	--	--	<.002	--
JUL											
06...	<.001	<.002	<.005	<.004	.010	.035	--	--	--	<.002	--
15...	<.001	<.002	<.005	<.004	.015	.029	--	--	--	.004	--
20...	<.001	<.002	<.005	<.004	.009	.031	--	--	--	<.002	--
AUG											
05...	<.001	<.002	<.005	<.004	.010	.026	--	--	--	<.002	--
12...	<.001	<.002	<.005	<.004	<.002	.021	--	--	--	<.002	--
17...	<.001	<.002	<.005	<.004	.008	.025	--	--	--	<.002	--
23...	<.001	<.002	<.005	<.004	.016	.020	--	--	--	<.002	--
31...	<.001	<.002	.008	<.004	.046	.018	--	--	--	<.002	--
SEP											
10...	<.001	<.002	<.005	<.004	<.002	.029	--	--	--	<.002	--
16...	<.001	<.002	<.005	<.004	<.002	.022	--	--	--	<.002	--
23...	<.001	<.002	<.005	<.004	E.003	.017	--	--	--	<.002	--

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

[illegible]

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	3HYDRXY CARBO- FURAN, WAT,FLT GF 0.7U REC (UG/L) (49308)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)
MAR											
03...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0140	<.120	<.0080	<.0350	<.550
09...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0140	<.120	<.0080	<.0350	<.550
15...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0140	<.120	<.0080	<.0350	<.550
24...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0140	<.120	<.0080	<.0350	<.550
30...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0140	<.120	<.0080	<.0350	<.550
APR											
06...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0140	<.120	<.0080	<.0350	<.550
15...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.460	<.120	<.0080	<.0350	<.550
DATE	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
FEB											
10...	--	--	--	<.004	<.0030	E.0023	<.0040	<.0020	<.0070	<.0020	<.0060
MAR											
03...	<.100	<.0210	<.035	<.004	<.0030	E.0032	<.0040	<.0020	<.0070	<.0020	<.0060
09...	<.100	<.0210	<.0350	<.004	<.0030	E.0022	<.0040	<.0020	<.0070	<.0020	<.0060
15...	<.100	<.0210	<.110	<.004	<.0030	E.0026	<.0040	<.0020	<.0070	<.0020	<.0060
24...	<.100	<.0210	<.0350	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
30...	<.100	<.0210	<.0350	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
APR											
06...	<.100	<.0210	<.0350	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
15...	<.100	<.0210	<.0350	<.004	<.0030	.0072	<.0040	<.0020	<.0070	<.0020	<.0060
22...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
28...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
MAY											
06...	--	--	--	<.004	<.0030	.0056	<.0040	<.0020	<.0070	<.0020	<.0060
13...	--	--	--	<.004	<.0030	E.0021	<.0040	<.0020	<.0070	<.0020	<.0060
27...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
JUN											
01...	--	--	--	<.004	<.0030	E.0017	<.0040	<.0020	<.0070	<.0020	<.0060
08...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
15...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
22...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
30...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
JUL											
06...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
15...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
20...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
AUG											
05...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
12...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
17...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
23...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
31...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
SEP											
10...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
16...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
23...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
FEB										
10...	<.0020	<.0040	.0316	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
MAR										
03...	<.0020	<.0040	.0137	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
09...	<.0020	<.0040	E.0054	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
15...	<.0020	<.0040	E.0066	<.0040	E.0030	<.0020	<.0030	<.0130	<.0030	<.0170
24...	<.0020	<.0040	E.0051	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
30...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
APR										
06...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
15...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
22...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
28...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	.0183	<.0170
MAY										
06...	<.0020	<.0040	.0191	<.0040	<.0030	<.0020	<.0030	<.0130	.0268	<.0170
13...	<.0020	<.0040	E.0072	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
27...	<.0020	<.0040	E.0028	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
JUN										
01...	<.0020	<.0040	E.0072	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
08...	<.0020	<.0040	E.0032	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
15...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
22...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
30...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
JUL										
06...	<.0020	<.0040	E.0057	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
15...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
20...	<.0020	<.0040	E.0031	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
AUG										
05...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
12...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
17...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
23...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
31...	<.0020	<.0040	E.0021	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
SEP										
10...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
16...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
23...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
FEB										
10...	<.0010	<.0040	<.0030	<.0020	<.0020	.0147	<.0030	<.0130	<.0010	<.0050
MAR										
03...	<.0010	<.0040	E.0049	<.0020	<.0020	.0160	<.0030	<.0130	<.0010	<.0050
09...	<.0010	<.0040	<.0030	<.0020	<.0020	.0116	<.0030	<.0130	<.0010	<.0050
15...	<.0010	<.0040	<.0030	<.0020	<.0020	.0144	<.0030	<.0130	<.0010	<.0050
24...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
30...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
APR										
06...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
15...	<.0010	<.0040	E.0080	<.0020	<.0020	.0185	<.0030	<.0130	<.0010	<.0050
22...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
28...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
MAY										
06...	<.0010	<.0040	E.0052	<.0020	<.0020	<.0110	<.0030	<.0130	<.0010	<.0050
13...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
27...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
JUN										
01...	<.0010	<.0040	E.0052	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
08...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
15...	<.0010	<.0040	E.0058	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
22...	<.0010	<.0040	E.231	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
30...	<.0010	<.0040	E.0037	<.0020	<.0020	<.0040	<.0030	<.0400	<.0010	<.0050
JUL										
06...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	--	<.0010	<.0050
15...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
20...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	--	<.0010	<.0050
AUG										
05...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.100	<.0010	<.0050
12...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
17...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	--	<.0010	<.0050
23...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	--	<.0010	<.0050
31...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.130	<.0010	<.0050
SEP										
10...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
16...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	--	<.0010	<.0050
23...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0400	<.0010	<.0050

MOBILE RIVER BASIN

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL--Continued
(National Water-Quality Assessment Station)

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN					
06...	1100	31	5	.42	88
21...	0800	24	5	.32	81
FEB					
25...	0900	26	3	.21	93
MAR					
03...	1030	82	87	19	97
09...	1015	117	42	13	93
15...	1300	131	21	7.4	94
24...	1100	32	17	1.5	75
30...	1030	35	3	.28	90
APR					
15...	0910	139	166	62	82
22...	1030	18	5	.25	83
28...	1045	21	8	.45	88
MAY					
06...	1045	102	115	32	87
13...	1230	18	7	.33	91
20...	1030	15	8	.32	95
27...	0920	12	7	.23	98
JUN					
01...	1030	14	9	.34	80
08...	1000	6.8	7	.13	91
15...	1115	28	8	.60	93
22...	1030	9.0	7	.17	89
30...	1100	68	39	7.1	83
JUL					
06...	1100	19	14	.71	81

MOBILE RIVER BASIN

02423555 CAHABA RIVER NEAR HELENA, AL

LOCATION.--Lat 33°17'04", long 86°52'58", in NW¹/₄ sec. 20, T. 20 S., R. 3 W., Shelby County, Hydrologic Unit 03150202 on right bank at downstream side of bridge, 0.9 mi above Trigger Creek, 3 mi west of Helena, and at mile 127.1.

DRAINAGE AREA.--335 mi².

PERIOD OF RECORD.--October 1995 to current year. Operated as a crest-stage gage October 1964 to September 1977 (annual peaks only).

GAGE.--Water-stage recorder. Datum of gage is 403.67 ft above sea level.

REMARKS.--Estimated daily discharge: Nov. 15 to Jan. 11. Records good except for period of estimated record, which is 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 OUTSIDE PERIOD OF DAILY DISCHARGE RECORD.--The flood of March 16, 1976 reached a gage height of 34.85 ft, discharge, 22,800 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	39	e54	e340	4450	1080	1390	184	314	2200	81	47
2	77	39	e56	e410	2570	731	1030	142	150	1360	93	46
3	69	44	e54	e2230	1690	1870	765	117	321	1360	72	44
4	74	42	e54	e1330	1180	1730	597	99	168	759	73	50
5	78	40	e54	e745	851	1070	514	116	153	522	65	53
6	68	38	e54	e475	661	1560	474	1180	308	389	64	63
7	86	38	e60	e400	560	1350	460	1130	231	355	66	49
8	146	61	e295	e330	480	923	398	528	141	468	64	74
9	94	107	e199	e615	411	1560	343	345	99	355	67	54
10	79	353	e155	e730	591	1390	317	247	79	274	60	49
11	72	303	e185	e495	443	997	269	204	73	516	60	46
12	67	114	e250	329	368	744	230	234	80	988	59	53
13	57	64	e370	278	329	1000	195	292	162	555	61	64
14	52	1470	e305	288	277	4220	175	211	133	388	63	48
15	54	e1040	e202	537	245	2760	868	177	1920	270	65	46
16	56	e395	e145	409	238	1630	591	145	1040	309	60	46
17	53	e170	e105	332	378	1110	376	116	619	1040	52	44
18	50	e95	e85	335	795	837	283	126	355	535	47	48
19	50	e76	e78	279	725	672	235	323	236	337	47	53
20	49	e70	e100	232	622	562	210	266	154	274	47	53
21	46	e70	e92	222	525	574	181	174	109	462	53	58
22	45	e65	e100	210	415	511	173	118	86	339	53	45
23	42	e65	e175	2750	359	415	166	142	83	258	55	37
24	42	e67	e2090	2440	325	374	153	171	294	206	55	37
25	40	e63	e2600	1110	284	617	157	139	348	167	71	37
26	38	e60	e920	671	267	597	143	104	1890	222	73	47
27	38	e54	e485	513	315	489	212	87	3230	160	61	54
28	37	e56	e660	398	1730	415	420	73	4840	124	56	45
29	38	e56	e1560	410	---	371	382	65	8920	102	59	80
30	38	e54	e885	3770	---	342	252	85	4250	94	50	97
31	38	---	e520	6390	---	1020	---	206	---	84	46	---
TOTAL	1861	5208	12947	30003	22084	33521	11959	7546	30786	15472	1898	1567
MEAN	60.0	174	418	968	789	1081	399	243	1026	499	61.2	52.2
MAX	146	1470	2600	6390	4450	4220	1390	1180	8920	2200	93	97
MIN	37	38	54	210	238	342	143	65	73	84	46	37
CFSM	.18	.52	1.25	2.89	2.35	3.23	1.19	.73	3.06	1.49	.18	.16
IN.	.21	.58	1.44	3.33	2.45	3.72	1.33	.84	3.42	1.72	.21	.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1999, BY WATER YEAR (WY)

MEAN	325	459	569	1597	1159	1444	669	261	687	363	154	95.1
MAX	901	1100	746	2174	1667	2174	1099	354	1499	499	260	147
(WY)	1996	1996	1996	1998	1998	1996	1998	1997	1997	1999	1998	1996
MIN	60.0	174	418	968	789	1081	399	212	98.0	134	61.2	52.2
(WY)	1999	1999	1999	1999	1999	1999	1999	1998	1998	1998	1999	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1996 - 1999
ANNUAL TOTAL	232194	174852	
ANNUAL MEAN	636	479	647
HIGHEST ANNUAL MEAN			790
LOWEST ANNUAL MEAN			479
HIGHEST DAILY MEAN	14300	8920	14400
LOWEST DAILY MEAN	37	37	37
ANNUAL SEVEN-DAY MINIMUM	38	38	38
INSTANTANEOUS PEAK FLOW		9770	17500
INSTANTANEOUS PEAK STAGE		21.28	30.37
ANNUAL RUNOFF (CFSM)	1.90	1.43	1.93
ANNUAL RUNOFF (INCHES)	25.78	19.42	26.23
10 PERCENT EXCEEDS	1650	1120	1500
50 PERCENT EXCEEDS	155	202	273
90 PERCENT EXCEEDS	54	48	60

e Estimated

MOBILE RIVER BASIN

02423630 SHADES CREEK NEAR GREENWOOD, AL

LOCATION.--Lat 33°19'34", long 86°56'59", in SW¹/₄ sec. 3, T. 20 S., R. 4 W., Jefferson County, Hydrologic Unit 03150202, near left bank on downstream side of bridge on county road, 1.4 mi southwest of Greenwood, 5.5 mi south of Bessemer, and at mile 20.8.

DRAINAGE AREA.--72.3 mi².

PERIOD OF RECORD.--October 1964 to September 1965, October 1966 to September 1973, October 1974 to September 1981, October 1997 to current year (October 1965 to September 1966, annual maximum, October 1973 to September 1974, (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 478.37 ft above sea level. Prior to October 1, 1997, gage was at datum 480.37 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 13 to Nov. 6, May 3, 4, and Aug. 2-18. Records good except those of estimated periods, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	e3.5	7.7	65	989	180	476	32	220	196	19	2.9
2	11	e3.3	7.2	271	387	117	207	28	69	123	e18	2.9
3	10	e3.7	7.0	740	257	667	148	e25	280	95	e17	2.9
4	10	e4.0	6.9	203	204	298	111	e22	44	68	e16	3.0
5	14	e3.9	7.3	121	148	180	91	26	28	54	e14	3.0
6	10	e3.5	7.0	91	118	484	79	654	45	44	e13	3.5
7	10	3.4	7.2	101	104	275	79	296	22	44	e11	3.6
8	57	3.6	50	101	90	177	64	89	17	42	e9.9	3.5
9	22	85	142	295	77	471	57	56	16	35	e9.0	19
10	12	77	30	196	185	253	51	44	12	32	e8.1	7.3
11	11	346	61	115	123	169	47	37	10	129	e7.5	3.7
12	10	41	176	92	92	127	45	61	23	231	e6.9	3.0
13	e9.2	20	100	79	82	239	35	107	78	68	e6.4	2.9
14	e8.7	384	66	92	65	1230	32	64	25	43	e5.9	2.6
15	e8.2	394	40	174	59	414	395	36	911	32	e6.1	2.6
16	e8.6	77	29	88	56	238	120	28	249	46	e5.4	2.6
17	e7.4	44	24	73	62	175	59	24	73	78	e4.8	2.7
18	e7.0	28	23	86	164	135	47	25	45	36	e4.2	2.6
19	e6.6	21	21	74	84	108	41	44	33	27	3.8	2.6
20	e6.2	16	59	57	71	91	37	30	26	25	4.0	2.5
21	e5.9	20	29	52	59	171	33	21	21	63	3.5	2.7
22	e5.6	17	31	50	53	96	30	17	19	28	3.6	9.6
23	e5.4	13	97	1250	52	73	28	19	16	24	3.7	4.6
24	e5.1	12	821	625	56	66	27	36	74	23	4.1	3.0
25	e4.9	11	432	221	47	209	31	29	132	25	12	2.9
26	e4.7	10	130	150	45	184	30	18	485	43	14	2.8
27	e4.4	9.0	84	113	66	101	103	15	817	22	9.0	2.7
28	e4.2	8.5	346	93	489	82	152	13	1250	21	5.2	2.8
29	e4.0	7.9	299	136	---	71	52	13	1960	20	4.1	53
30	e3.9	7.9	129	1410	---	64	43	18	356	22	3.6	44
31	e3.7	---	86	2320	---	447	---	67	---	23	3.1	---
TOTAL	305.7	1678.2	3355.3	9534	4284	7592	2750	1994	7356	1762	255.9	207.5
MEAN	9.86	55.9	108	308	153	245	91.7	64.3	245	56.8	8.25	6.92
MAX	57	394	821	2320	989	1230	476	654	1960	231	19	53
MIN	3.7	3.3	6.9	50	45	64	27	13	10	20	3.1	2.5
CFSM	.14	.77	1.50	4.25	2.12	3.39	1.27	.89	3.39	.79	.11	.10
IN.	.16	.86	1.73	4.91	2.20	3.91	1.41	1.03	3.78	.91	.13	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1999, BY WATER YEAR (WY)

	MEAN	55.7	72.0	148	265	213	347	220	138	81.7	65.1	59.0	63.2
MAX	282	228	475	447	552	800	763	387	245	150	307	275	
(WY)	1978	1978	1968	1975	1971	1980	1979	1976	1999	1971	1967	1979	
MIN	9.86	22.6	31.1	31.7	62.2	74.5	36.6	36.3	23.8	30.3	8.25	6.92	
(WY)	1999	1979	1981	1981	1968	1967	1967	1981	1977	1980	1999	1999	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1965 - 1999

ANNUAL TOTAL	49180.4	41074.6	144
ANNUAL MEAN	135	113	193
HIGHEST ANNUAL MEAN			1980
LOWEST ANNUAL MEAN			1981
HIGHEST DAILY MEAN	2940	2320	8510
LOWEST DAILY MEAN	3.3	2.5	2.5
ANNUAL SEVEN-DAY MINIMUM	3.6	2.6	2.6
INSTANTANEOUS PEAK FLOW		3350	10900
INSTANTANEOUS PEAK STAGE		13.83	15.19
ANNUAL RUNOFF (CFSM)	1.86	1.56	1.99
ANNUAL RUNOFF (INCHES)	25.30	21.13	27.02
10 PERCENT EXCEEDS	379	263	295
50 PERCENT EXCEEDS	40	37	57
90 PERCENT EXCEEDS	8.4	3.8	21

e Estimated

MOBILE RIVER BASIN

02424000 CAHABA RIVER AT CENTREVILLE, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 32°56'42", long 87°08'21", in SE¹/₄ sec. 26, T. 23 N., R. 9 E., Bibb County, Hydrologic Unit 03150202, on left bank 60 ft downstream from U.S. Highway 82 bridge, 0.2 mi west of Centreville, 2.5 mi upstream from Sandy Creek, and at mile 81.2.
DRAINAGE AREA.--1,027 mi².

WATER-DISCHARGE RECORDS

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 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 sea level. Prior to Jan. 31, 1939, nonrecording gage at same site. Prior to May 1929, at datum 1.15 ft lower.

REMARKS.--No estimated daily discharge. 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. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	739	232	350	1250	14300	2930	5370	884	635	5230	362	226
2	530	236	342	1370	7300	2040	3330	734	848	3210	347	220
3	448	247	338	4970	4710	3130	2480	657	629	3140	350	220
4	430	243	331	3240	3420	4080	2000	603	812	2060	324	220
5	463	238	328	2030	2700	2700	1710	599	542	1360	309	223
6	435	235	326	1560	2230	2660	1540	945	476	1050	301	226
7	433	231	326	1400	1940	3480	1450	2810	604	913	284	232
8	557	248	348	1380	1730	2480	1370	1570	532	868	277	238
9	613	290	542	1510	1560	3050	1280	1110	429	927	280	264
10	497	415	644	2120	1580	3680	1190	922	373	768	309	265
11	420	1050	523	1630	1840	2670	1120	784	349	662	300	236
12	384	1100	679	1370	1500	2150	1020	727	432	1060	282	228
13	365	572	927	1220	1360	2150	922	828	719	1330	273	218
14	338	807	971	1140	1250	10900	852	925	672	916	267	216
15	311	3230	783	1240	1170	7510	1130	758	1030	736	254	222
16	297	1710	631	1370	1120	4240	2030	643	2820	674	249	215
17	291	1100	537	1180	1140	3050	1300	577	1520	1420	252	214
18	295	792	485	1090	1760	2420	1060	616	1030	1490	256	213
19	292	642	465	1090	1930	2020	936	678	727	926	237	212
20	288	580	476	994	1630	1770	861	816	579	770	230	213
21	279	530	531	914	1480	1700	803	706	477	680	223	214
22	273	482	497	898	1330	1700	752	578	408	779	218	214
23	260	465	521	5900	1210	1470	726	532	367	707	223	214
24	254	449	2820	6710	1160	1340	699	532	466	615	230	214
25	249	437	4980	3410	1110	1690	725	536	1010	649	291	214
26	248	421	2360	2220	1050	2680	722	511	1620	519	314	213
27	247	406	1570	1730	1030	1900	702	458	5670	547	301	213
28	245	384	1430	1500	2740	1600	979	409	7340	490	282	214
29	242	366	2840	1340	---	1440	1120	377	10300	422	261	247
30	240	357	2100	10000	---	1360	1110	354	9860	397	246	243
31	234	---	1530	23200	---	2540	---	365	---	379	238	---
TOTAL	11197	18495	31531	90976	67280	88530	41289	23544	53276	35694	8570	6721
MEAN	361	616	1017	2935	2403	2856	1376	759	1776	1151	276	224
MAX	739	3230	4980	23200	14300	10900	5370	2810	10300	5230	362	265
MIN	234	231	326	898	1030	1340	699	354	349	379	218	212
CFSM	.35	.60	.99	2.86	2.34	2.78	1.34	.74	1.73	1.12	.27	.22
IN.	.41	.67	1.14	3.30	2.44	3.21	1.50	.85	1.93	1.29	.31	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1901 - 1999, BY WATER YEAR (WY)

	MEAN	493	897	1595	2701	3356	3579	2689	1413	823	759	604	514
MAX	3407	11050	7026	7809	12210	10290	9861	4534	3122	4852	5430	3867	
(WY)	1907	1930	1962	1937	1961	1976	1979	1991	1997	1940	1939	1906	
MIN	114	142	276	343	784	694	251	246	182	236	173	128	
(WY)	1905	1932	1939	1956	1931	1986	1986	1904	1988	1954	1954	1954	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1901 - 1999
ANNUAL TOTAL	699219	477103	
ANNUAL MEAN	1916	1307	1606
HIGHEST ANNUAL MEAN			2827
LOWEST ANNUAL MEAN			433
HIGHEST DAILY MEAN	36500	23200	71700
LOWEST DAILY MEAN	222	212	90
ANNUAL SEVEN-DAY MINIMUM	234	213	94
INSTANTANEOUS PEAK FLOW		24400	83600
INSTANTANEOUS PEAK STAGE		25.76	36.63
ANNUAL RUNOFF (CFSM)	1.87	1.27	1.56
ANNUAL RUNOFF (INCHES)	25.33	17.28	21.25
10 PERCENT EXCEEDS	4350	2770	3280
50 PERCENT EXCEEDS	706	719	702
90 PERCENT EXCEEDS	291	238	238

MOBILE RIVER BASIN

02424000 CAHABA RIVER AT CENTREVILLE, AL--Continued
(National Water-Quality Assessment Station)

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.85	1.34	1.70	3.87	21.19	6.97	10.27	3.00	2.46	10.46	1.69	1.12
2	2.30	1.35	1.67	4.09	13.66	5.48	7.58	2.65	3.05	7.29	1.63	1.10
3	2.06	1.39	1.66	9.35	9.48	6.93	6.22	2.46	2.48	7.23	1.64	1.10
4	2.01	1.38	1.64	7.51	7.71	8.59	5.43	2.33	2.96	5.55	1.54	1.10
5	2.10	1.36	1.63	5.46	6.60	6.63	4.89	2.32	2.26	4.24	1.48	1.11
6	2.02	1.35	1.62	4.59	5.82	6.39	4.52	3.13	2.08	3.61	1.45	1.13
7	2.01	1.33	1.62	4.23	5.32	7.78	4.32	6.72	2.45	3.31	1.38	1.16
8	2.37	1.40	1.69	4.19	4.94	6.21	4.16	4.62	2.25	3.21	1.35	1.18
9	2.53	1.54	2.28	4.47	4.59	6.91	3.94	3.54	1.95	3.34	1.36	1.29
10	2.20	1.93	2.57	5.62	4.61	8.07	3.73	3.10	1.77	2.97	1.48	1.30
11	1.98	3.55	2.23	4.72	5.14	6.50	3.55	2.78	1.69	2.67	1.44	1.17
12	1.86	3.66	2.66	4.16	4.46	5.68	3.31	2.65	1.95	3.59	1.37	1.14
13	1.79	2.41	3.28	3.82	4.12	5.55	3.09	2.90	2.77	4.18	1.33	1.09
14	1.71	2.91	3.38	3.61	3.89	15.10	2.93	3.13	2.65	3.32	1.31	1.08
15	1.62	7.32	2.93	3.85	3.68	13.72	3.56	2.73	3.32	2.88	1.25	1.11
16	1.57	4.90	2.54	4.16	3.56	8.92	5.47	2.46	6.82	2.69	1.23	1.08
17	1.55	3.67	2.28	3.70	3.61	7.07	3.97	2.29	4.58	4.34	1.24	1.08
18	1.56	2.95	2.12	3.50	4.91	6.11	3.40	2.38	3.51	4.48	1.26	1.07
19	1.55	2.57	2.06	3.50	5.29	5.46	3.12	2.55	2.79	3.33	1.18	1.07
20	1.54	2.39	2.10	3.25	4.73	5.01	2.95	2.91	2.39	2.97	1.15	1.08
21	1.51	2.26	2.26	3.07	4.41	4.88	2.82	2.63	2.10	2.72	1.11	1.08
22	1.49	2.11	2.16	3.04	4.06	4.86	2.70	2.30	1.88	3.00	1.09	1.08
23	1.44	2.06	2.23	9.49	3.79	4.38	2.63	2.18	1.75	2.80	1.11	1.08
24	1.42	2.01	5.96	12.45	3.65	4.07	2.57	2.19	2.05	2.53	1.15	1.08
25	1.40	1.97	9.97	7.79	3.53	4.73	2.63	2.20	3.47	2.63	1.40	1.08
26	1.40	1.93	6.11	5.79	3.39	6.52	2.62	2.14	4.53	2.22	1.50	1.07
27	1.39	1.88	4.59	4.93	3.34	5.25	2.58	1.99	9.88	2.32	1.45	1.07
28	1.39	1.81	4.29	4.43	6.23	4.67	3.23	1.84	12.74	2.13	1.37	1.08
29	1.37	1.75	6.66	4.10	---	4.32	3.56	1.75	15.34	1.90	1.28	1.22
30	1.37	1.72	5.66	12.74	---	4.13	3.52	1.68	16.24	1.81	1.21	1.20
31	1.34	---	4.51	25.02	---	5.83	---	1.71	---	1.74	1.18	---
MEAN	1.76	2.34	3.16	5.95	5.70	6.54	3.98	2.69	4.21	3.60	1.34	1.12
MAX	2.85	7.32	9.97	25.02	21.19	15.10	10.27	6.72	16.24	10.46	1.69	1.30
MIN	1.34	1.33	1.62	3.04	3.34	4.07	2.57	1.68	1.69	1.74	1.09	1.07
CAL YR 1998	MEAN 4.42		MAX 29.01		MIN 1.30							
WTR YR 1999	MEAN 3.52		MAX 25.02		MIN 1.07							

MOBILE RIVER BASIN

02424000 CAHABA RIVER AT CENTREVILLE, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965-66, 1968, 1971-83, 1991-94, 1998 to current year.

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 27...	7.3	.8	16	510	2	<1	.2	.37	93	66	18
	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 27...	26	2	16	<1	1	3.7	52	30	45	.45	2200
	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 27...	.06	1	43	32	14	.091	1.4	13	.7	.7	.12
	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
AUG 27...	58	<.05	1	12	3	3.1	100	26	3	110	
	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
AUG 27...	<1.00	<1.00	<1.10	<1.00	<2.00	<1.00	<5.00	<5.00	<1.00	2.80	<1.00
	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
AUG 27...	<1.00	<2.00	<2.00	<1.20	<1.00	<2.00	<1.00	<1.20	<1.00	<1.00	<1.00
	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 27...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

MOBILE RIVER BASIN

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	
JAN												
20...	1230	3.23	939	11.7	17.7	758	12.0	111	7.6	8.0	182	
FEB												
11...	1315	5.34	1950	15.7	21.6	761	10.7	108	8.1	7.9	195	
MAR												
04...	1015	8.95	4430	12.0	7.0	756	9.9	93	7.8	7.6	148	
16...	1000	9.04	4500	11.0	13.0	757	11.4	104	7.7	7.7	126	
APR												
01...	1215	10.47	5600	14.7	22.5	754	11.3	113	7.7	7.4	120	
13...	1100	3.07	913	21.2	18.5	761	13.6	153	8.5	8.5	210	
27...	1100	2.56	698	21.4	23.0	753	7.8	89	8.4	8.1	224	
MAY												
11...	1130	2.78	786	22.5	--	756	8.1	94	7.5	7.9	190	
26...	1120	2.14	510	24.0	27.5	760	8.3	99	8.2	8.1	239	
JUN												
10...	1100	1.77	379	26.1	--	761	8.0	99	8.2	8.0	252	
23...	1115	1.76	370	24.7	32.0	761	9.2	111	8.1	8.1	224	
JUL												
07...	1015	3.34	921	27.5	31.0	762	8.6	109	8.0	7.7	195	
19...	1130	3.31	910	27.2	37.5	766	7.8	98	8.1	8.1	199	
AUG												
03...	1100	1.65	340	29.3	32.0	760	8.1	106	8.2	8.1	259	
16...	1100	1.22	246	27.6	34.5	764	9.4	119	8.2	8.2	275	
SEP												
02...	0915	1.10	226	24.5	24.0	762	8.6	103	7.9	8.1	278	
15...	1100	1.13	227	23.5	27.5	758	8.9	105	8.5	8.1	305	
27...	1130	1.07	212	20.9	31.5	760	9.1	102	8.1	8.1	310	
DATE		SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
JAN												
20...	197	112	81	66	.52	.49	--	--	--	<.020	<.010	.11
FEB												
11...	194	112	81	66	.54	--	--	--	--	<.020	<.010	E.10
MAR												
04...	148	88	57	47	.82	.53	--	--	--	<.020	<.010	.20
16...	125	73	48	40	.62	--	--	--	--	<.020	<.010	E.10
APR												
01...	129	77	48	39	.72	.40	--	--	--	<.020	<.010	.13
13...	208	119	93	80	.34	--	--	--	--	<.020	<.010	E.10
27...	238	133	112	93	.55	.49	.16	.11	.021	.021	<.010	.13
MAY												
11...	190	110	83	68	.61	.56	.17	.12	.049	.049	<.010	.17
26...	249	153	121	99	.68	.61	.21	.14	.029	.029	<.010	.17
JUN												
10...	245	141	114	93	.82	.69	--	--	--	<.020	<.010	.14
23...	218	130	104	85	.56	.49	--	--	--	<.020	<.010	.14
JUL												
07...	189	120	92	76	.57	.45	--	--	--	<.020	<.010	.12
19...	199	116	87	71	.75	.77	--	--	--	<.020	<.010	.23
AUG												
03...	251	141	123	101	.59	--	--	--	--	<.020	<.010	E.10
16...	270	149	139	114	.31	.57	--	--	--	<.020	<.010	.51
SEP												
02...	274	147	137	112	--	--	--	--	--	<.020	<.010	E.10
15...	299	166	142	122	.40	.23	--	--	--	<.020	<.010	.13
27...	302	169	150	123	.39	.32	--	--	--	<.020	<.010	.13

MOBILE RIVER BASIN

02424000 CAHABA RIVER AT CENTREVILLE, AL--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JAN										
20...	.13	.387	.10	.049	.035	.033	1.9	.30	21	7.1
FEB										
11...	.11	.433	.09	.037	.023	.028	1.5	.30	23	6.9
MAR										
04...	.49	.329	.08	.153	.026	.027	2.6	1.5	17	5.0
16...	.34	.279	.03	.083	.013	.010	2.1	1.0	12	3.9
APR										
01...	.45	.272	.04	.080	.022	.012	2.6	1.9	14	4.5
13...	.14	.194	.06	.029	.020	.021	1.5	.40	25	8.1
27...	.18	.361	.08	.031	.021	.026	1.5	.20	29	9.4
MAY										
11...	.22	.391	.10	.051	.029	.033	2.2	.30	20	6.6
26...	.24	.438	.07	.044	.026	.024	1.6	.30	28	9.5
JUN										
10...	.27	.547	.09	.063	.046	.030	2.0	.50	30	9.7
23...	.21	.353	.10	.047	.026	.033	2.4	.40	26	8.2
JUL										
07...	.25	.324	.06	.058	.029	.021	2.2	1.4	22	6.8
19...	.22	.532	.13	.081	.058	.044	3.1	.50	23	6.5
AUG										
03...	.29	.298	.04	.030	<.004	.012	1.8	.40	30	10
16...	.25	.058	--	.029	<.004	<.010	1.6	.90	32	12
SEP										
02...	.32	<.050	--	.022	<.004	<.010	1.7	.60	32	12
15...	.30	.097	--	.022	.004	<.010	1.6	.80	35	12
27...	.20	.191	.04	.022	.005	.012	1.7	<.20	34	13

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
JAN										
20...	4.7	.2	11	1.5	4.5	18	<.10	6.2	33	16
FEB										
11...	3.7	.2	8	1.4	3.4	17	<.10	7.0	28	15
MAR										
04...	3.4	.2	10	1.5	2.9	14	<.10	6.2	64	5.9
16...	2.4	.2	10	1.1	2.3	11	<.10	5.9	26	4.9
APR										
01...	3.1	.2	11	1.3	3.2	12	<.10	5.9	51	8.2
13...	3.7	.2	8	1.4	3.4	15	<.10	4.4	31	12
27...	4.2	.2	7	1.7	4.4	18	<.10	4.8	26	14
MAY										
11...	4.2	.2	10	1.8	4.4	15	<.10	5.3	34	9.5
26...	4.9	.2	9	1.7	5.1	16	<.10	3.5	58	13
JUN										
10...	4.7	.2	8	2.0	4.5	16	.11	5.2	12	8.7
23...	3.4	.2	7	1.7	3.3	15	<.10	5.6	15	3.9
JUL										
07...	3.4	.2	8	1.6	3.2	12	<.10	7.4	16	14
19...	4.3	.2	10	2.1	4.3	12	<.10	5.9	13	4.7
AUG										
03...	3.9	.2	7	1.8	4.4	13	<.10	4.8	14	8.0
16...	4.3	.2	7	1.8	4.4	13	<.10	5.5	E6.5	3.5
SEP										
02...	5.6	.2	8	2.0	5.7	15	<.10	2.7	E8.5	<3.0
15...	6.3	.2	9	2.0	7.2	20	.12	2.9	E9.8	2.6
27...	6.6	.2	9	2.4	6.3	20	.11	5.4	E7.7	7.9

MOBILE RIVER BASIN

02424000 CAHABA RIVER AT CENTREVILLE, AL--Continued
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PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)
FEB											
11...	<.0070	<.0020	--	.0705	E.0018	E.0027	<.0040	<.0030	<.0020	<.0060	--
MAR											
04...	<.0070	<.0020	<.540	.128	E.0037	E.0168	<.0040	<.0030	<.0020	<.0060	<.0350
16...	<.0070	<.0020	<.340	.0708	E.0044	E.0076	<.0040	<.0030	<.0020	<.0060	<.0350
APR											
01...	<.0070	<.0020	<.160	.0216	<.0180	E.0089	<.0040	<.0030	<.0020	<.0060	<.0400
13...	<.0070	<.0020	<.210	.0210	<.0180	E.0037	<.0040	<.0030	<.0020	<.0060	<.0350
27...	<.0070	<.0020	--	.0213	E.0035	E.0050	<.0040	<.0030	<.0020	<.0060	--
MAY											
11...	<.0070	<.0020	--	.0403	E.0033	E.0107	<.0040	<.0030	<.0020	<.0060	--
26...	<.0070	<.0020	--	.0265	E.0048	E.0097	<.0040	<.0030	<.0020	<.0060	--
JUN											
10...	<.0070	<.0020	--	.0324	E.0080	E.0085	<.0040	<.0030	<.0020	<.0060	--
23...	<.0070	<.0020	--	.0254	<.0180	E.0048	<.0040	<.0030	<.0020	<.0060	--
JUL											
07...	<.0070	<.0020	--	.0123	<.0180	E.0036	<.0040	<.0030	<.0020	<.0060	--
19...	<.0070	<.0020	--	.0277	E.0081	E.0059	<.0040	<.0030	<.0020	<.0060	--
AUG											
03...	<.0070	<.0020	--	.0131	E.0061	E.0038	<.0040	<.0030	<.0020	<.0060	--
16...	<.0070	<.0020	--	.0681	<.0180	E.0034	<.0040	<.0030	<.0020	<.0060	--
SEP											
02...	<.0070	<.0020	--	.0351	E.0067	E.0054	<.0040	<.0030	<.0020	<.0060	--
15...	<.0070	<.0020	--	.0104	E.0070	E.0057	<.0040	<.0030	<.0020	<.0060	--
27...	<.0070	<.0020	--	.0081	E.0043	E.0034	<.0040	<.0030	<.0020	<.0060	--
DATE	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)
FEB											
11...	--	--	--	--	--	--	--	--	--	E.0038	<.004
MAR											
04...	<.0180	<.170	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.0800	.0226	<.004
16...	<.0180	.0900	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.0180	.0172	<.004
APR											
01...	<.0180	<.220	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.0180	.0043	<.004
13...	<.0180	<.170	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.0180	<.0040	<.004
27...	--	--	--	--	--	--	--	--	--	<.0040	<.004
MAY											
11...	--	--	--	--	--	--	--	--	--	.0066	<.004
26...	--	--	--	--	--	--	--	--	--	E.0030	<.004
JUN											
10...	--	--	--	--	--	--	--	--	--	E.0024	<.004
23...	--	--	--	--	--	--	--	--	--	<.0040	<.004
JUL											
07...	--	--	--	--	--	--	--	--	--	E.0021	<.004
19...	--	--	--	--	--	--	--	--	--	<.0040	<.004
AUG											
03...	--	--	--	--	--	--	--	--	--	<.0040	<.004
16...	--	--	--	--	--	--	--	--	--	<.0040	<.004
SEP											
02...	--	--	--	--	--	--	--	--	--	<.0040	<.004
15...	--	--	--	--	--	--	--	--	--	E.0027	<.004
27...	--	--	--	--	--	--	--	--	--	<.0040	<.004

PESTICIDE ANALYSES. WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	DI-ELDRIN DIS- SOLVED (UG/L) (39381)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	MALA-THION, DIS- SOLVED (UG/L) (39532)	PARA-THION, DIS- SOLVED (UG/L) (39542)	DI-AZINON, DIS- SOLVED (UG/L) (39572)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4,5-T DIS- SOLVED (UG/L) (39742)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)
FEB											
11...	<.001	<.002	<.005	<.004	<.002	.053	--	--	--	<.002	--
MAR											
04...	<.001	<.002	<.005	<.004	<.002	.364	.180	<.0350	<.0210	<.002	<.250
16...	<.001	<.002	<.005	<.004	E.002	.095	.130	<.0350	<.0210	<.002	.0800
APR											
01...	<.001	<.002	<.005	<.004	E.002	.078	<.150	<.0350	<.0210	<.002	<.250
13...	<.001	<.002	<.005	<.004	<.002	.028	<.150	<.0350	<.0210	<.002	<.250
27...	<.001	<.002	<.005	<.004	<.002	.029	--	--	--	<.002	--
MAY											
11...	<.001	.007	<.005	<.004	.025	.091	--	--	--	<.002	--
26...	<.001	.004	.223	<.004	.004	.035	--	--	--	<.002	--
JUN											
10...	<.001	.013	<.005	<.004	.012	.048	--	--	--	<.002	--
23...	<.001	<.002	<.005	<.004	.006	.023	--	--	--	<.002	--
JUL											
07...	<.001	<.002	.007	<.004	E.003	.013	--	--	--	<.002	--
19...	<.001	<.002	<.005	<.004	.022	.020	--	--	--	<.002	--
AUG											
03...	<.001	<.002	<.005	<.004	E.004	.013	--	--	--	<.002	--
16...	<.001	<.002	<.005	<.004	<.002	.009	--	--	--	<.002	--
SEP											
02...	<.001	<.002	<.005	<.004	<.002	.008	--	--	--	<.002	--
15...	<.001	<.002	<.005	<.004	<.002	.010	--	--	--	<.002	--
27...	<.001	<.002	<.005	<.004	<.002	.008	--	--	--	<.002	--
	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)
FEB											
11...	--	<.0020	--	--	--	--	--	--	--	--	--
MAR											
04...	<.0350	<.0020	<.0500	<.310	<.0240	<.0150	<.0170	<.0130	<.420	.0700	<.0350
16...	<.0350	<.0020	<.0500	<.310	<.0240	<.0200	<.0170	<.0130	<.420	.100	<.0350
APR											
01...	<.0350	<.0020	<.0500	<.310	<.0240	<.0150	<.120	<.0130	<.420	.720	<.0350
13...	<.0350	<.0020	<.0500	<.310	<.0240	<.0150	<.350	<.0130	<.420	.0600	<.0350
27...	--	<.0020	--	--	--	--	--	--	--	--	--
MAY											
11...	--	<.0020	--	--	--	--	--	--	--	--	--
26...	--	<.0020	--	--	--	--	--	--	--	--	--
JUN											
10...	--	<.0020	--	--	--	--	--	--	--	--	--
23...	--	<.0020	--	--	--	--	--	--	--	--	--
JUL											
07...	--	<.0020	--	--	--	--	--	--	--	--	--
19...	--	<.0020	--	--	--	--	--	--	--	--	--
AUG											
03...	--	<.0020	--	--	--	--	--	--	--	--	--
16...	--	<.0020	--	--	--	--	--	--	--	--	--
SEP											
02...	--	<.0020	--	--	--	--	--	--	--	--	--
15...	--	<.0020	--	--	--	--	--	--	--	--	--
27...	--	<.0020	--	--	--	--	--	--	--	--	--

MOBILE RIVER BASIN

02424000 CAHABA RIVER AT CENTREVILLE, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	3HYDRXY CARBO- FURAN, WAT,FLT GF 0.7U REC (UG/L) (49308)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	BRO- MOXYNIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)
MAR											
04...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0140	<.120	<.0080	<.0350	<.550
16...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0140	<.120	<.0080	<.0350	<.550
APR											
01...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0600	<.120	<.0080	<.0350	<.550
13...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0140	<.120	<.0080	<.0350	<.550
DATE	ALDI- CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
FEB											
11...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
MAR											
04...	<.100	<.0210	<.0350	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
16...	<.100	<.0210	<.0350	<.004	<.0030	E.0024	<.0040	<.0020	<.0070	<.0020	<.0060
APR											
01...	<.100	<.0210	<.0350	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
13...	<.100	<.0210	<.0350	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
27...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
MAY											
11...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
26...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
JUN											
10...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
23...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
JUL											
07...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
19...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
AUG											
03...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
16...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
SEP											
02...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
15...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
27...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060

MOBILE RIVER BASIN

02424000 CAHABA RIVER AT CENTREVILLE, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
FEB										
11...	<.0020	<.0040	.0102	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
MAR										
04...	<.0020	<.0040	.0101	<.0040	<.0030	E.0033	<.0030	<.0130	.0076	<.0170
16...	<.0020	<.0040	.0108	<.0040	<.0030	<.0020	<.0030	<.0130	.0079	<.0170
APR										
01...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
13...	<.0020	<.0040	E.0081	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
27...	<.0020	<.0040	E.0068	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
MAY										
11...	<.0020	<.0040	.0233	<.0040	<.0030	<.0020	<.0030	<.0130	.0047	<.0170
26...	<.0020	<.0040	.0109	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
JUN										
10...	<.0020	<.0040	.0101	<.0040	<.0030	<.0020	<.0030	<.0130	.0057	<.0170
23...	<.0020	<.0040	.0188	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
JUL										
07...	<.0020	<.0040	E.0098	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
19...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
AUG										
03...	<.0020	<.0040	.0151	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
16...	<.0020	<.0040	.0111	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
SEP										
02...	<.0020	<.0040	E.0112	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
15...	<.0020	<.0040	E.0092	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
27...	<.0020	<.0040	E.0069	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
DATE	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
FEB										
11...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
MAR										
04...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
16...	<.0010	<.0040	<.0030	<.0020	<.0020	.0121	<.0030	<.0130	<.0010	<.0050
APR										
01...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
13...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
27...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
MAY										
11...	<.0010	<.0040	E.0050	<.0020	<.0020	.0075	<.0030	<.0400	<.0010	<.0050
26...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
JUN										
10...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
23...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
JUL										
07...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
19...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
AUG										
03...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0900	<.0010	<.0050
16...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
SEP										
02...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
15...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
27...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050

MOBILE RIVER BASIN

02424000 CAHABA RIVER AT CENTREVILLE, AL--Continued
(National Water-Quality Assessment Station)

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 20...	939	10	25	93
FEB 11...	1950	10	53	91
MAR 04...	4430	112	1340	89
16...	4500	58	705	94
APR 01...	5600	77	1160	80
13...	913	6	15	85
27...	698	7	13	75
MAY 11...	786	19	40	98
26...	510	13	18	89
JUN 10...	379	10	10	83
23...	370	10	10	96
JUL 07...	921	29	72	85

MOBILE RIVER BASIN

02424590 CAHABA RIVER NEAR SUTTLE, AL

LOCATION.--Lat 32°31'45", long 87°11'56", in NW¹/₄ sec. 20, T. 18 N., R. 9 E., Perry County, Hydrologic Unit 03150202, at bridge on County Road 6, 1.2 mi west of Suttle, 11 mi southeast of Marion, and 31.0 mi upstream from mouth.

DRAINAGE AREA.--1,480 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1987 to current year. Periodic gage heights during high-water periods since 1949 have been collected by National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 97.64 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharges. Records good. For diversion above station see REMARKS for station at Centreville. 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 OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951 reached a stage of 42.8 ft, flood of Feb. 25, 1961 reached a stage of 44.0 ft, and flood of Apr. 15, 1979 reached a stage of 41.55 ft (discharges not determined) from information furnished by National Weather Service.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1720	525	652	1780	18100	3780	5130	1310	575	11800	614	412
2	1310	520	645	1640	22500	3560	6640	1100	712	9730	587	401
3	1010	526	638	2820	21800	2880	4520	962	1020	5050	576	396
4	868	538	633	5740	15700	4460	3200	888	811	3880	580	394
5	825	538	626	4020	7480	4760	2570	850	938	2630	555	397
6	835	529	621	2580	4340	3590	2230	856	729	1950	522	404
7	878	524	618	2100	3590	3960	2040	1380	652	1670	509	423
8	991	538	627	1970	3150	4200	1940	2700	702	1770	490	437
9	1080	583	661	2000	2810	3640	1850	1660	686	1620	486	450
10	1040	650	785	2510	2540	4660	1760	1240	606	1530	484	460
11	904	875	907	2750	2540	4620	1660	1070	558	1310	495	469
12	801	1450	842	2140	2630	3500	1560	957	524	1180	499	443
13	746	1390	999	1860	2270	3110	1440	893	587	1460	475	426
14	711	972	1230	1720	2070	6580	1330	947	807	1610	457	417
15	683	1550	1230	1630	1940	10500	1300	1030	839	1310	443	408
16	647	3410	1070	1730	1840	11500	1670	914	1580	1150	430	408
17	618	2140	934	1770	1810	6900	2070	814	2970	1150	422	400
18	603	1510	842	1600	2040	4350	1520	764	1850	1800	419	390
19	602	1170	795	1510	2680	3540	1320	797	1380	1710	419	391
20	598	1000	789	1490	2650	3040	1220	859	1110	1290	412	396
21	588	921	804	1400	2270	2770	1150	930	941	1140	395	399
22	574	876	828	1330	2070	2640	1090	845	835	1030	386	401
23	567	821	832	2220	1920	2500	1030	748	748	1070	382	405
24	557	790	934	7110	1810	2250	997	692	783	1020	402	404
25	551	770	3900	8360	1750	2310	983	684	952	983	418	409
26	547	752	5380	4710	1680	3270	991	689	1450	1120	458	410
27	544	731	2760	3000	1620	3690	980	684	3170	990	520	417
28	541	709	1900	2390	1910	2760	972	644	8530	863	492	415
29	536	685	2050	2080	---	2370	1180	599	10000	786	470	441
30	533	664	3270	4400	---	2210	1320	570	10600	697	442	491
31	530	---	2370	13300	---	2540	---	557	---	650	421	---
TOTAL	23538	28657	41172	95660	139510	126440	57663	29633	57645	65949	14660	12514
MEAN	759	955	1328	3086	4982	4079	1922	956	1922	2127	473	417
MAX	1720	3410	5380	13300	22500	11500	6640	2700	10600	11800	614	491
MIN	530	520	618	1330	1620	2210	972	557	524	650	382	390
CFSM	.51	.65	.90	2.09	3.37	2.76	1.30	.65	1.30	1.44	.32	.28
IN.	.59	.72	1.03	2.40	3.51	3.18	1.45	.74	1.45	1.66	.37	.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1999, BY WATER YEAR (WY)

MEAN	867	1516	2072	4338	5160	4987	2748	1737	1524	1574	756	821
MAX	2736	3648	4254	8699	13980	7341	4324	6464	3624	5783	1017	1822
(WY)	1996	1993	1993	1998	1990	1990	1989	1991	1997	1989	1992	1992
MIN	313	521	700	1737	2018	1216	1389	594	327	531	354	417
(WY)	1988	1988	1988	1991	1989	1988	1988	1988	1988	1995	1988	1999

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1987 - 1999

ANNUAL TOTAL	1040602	693041	2330
ANNUAL MEAN	2851	1899	3421
HIGHEST ANNUAL MEAN			1990
LOWEST ANNUAL MEAN			968
HIGHEST DAILY MEAN	28300	22500	64100
LOWEST DAILY MEAN	444	382	277
ANNUAL SEVEN-DAY MINIMUM	459	397	293
INSTANTANEOUS PEAK FLOW		23300	67900
INSTANTANEOUS PEAK STAGE		33.29	41.09
ANNUAL RUNOFF (CFSM)	1.93	1.28	1.57
ANNUAL RUNOFF (INCHES)	26.16	17.42	21.39
10 PERCENT EXCEEDS	6630	3820	4950
50 PERCENT EXCEEDS	1140	999	1260
90 PERCENT EXCEEDS	557	442	482

MOBILE RIVER BASIN

.02424590 CAHABA RIVER NEAR SUTTLE, AL--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB						
02...	1135	25.0	22700	233	14300	35
02...	1140	50.0	22700	231	14200	36
02...	1145	75.0	22700	535	32800	15

MOBILE RIVER BASIN

02425000 CAHABA RIVER NEAR MARION JUNCTION, AL

LOCATION.--Lat 32°26'38", long 87°10'49", in SE¹/₄SW¹/₄ sec. 16, T. 17 N., R. 9 E., Dallas County, Hydrologic Unit 03140203, 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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to September 1954, October 1968 to current year. Monthly discharge only October to December 1938, published 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 sea level (levels by the U.S. Army Corps of Engineers). 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 Centreville. 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 OUTSIDE PERIOD OF RECORD.--Flood of Feb. 24, 1961, reached a stage of 43.80 ft, present datum, from floodmarks (discharge not determined).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2410	538	716	2250	20000	3990	5560	1760	717	13100	800	515
2	1950	530	709	2160	24400	4400	8140	1510	794	12600	761	499
3	1310	534	701	3090	25800	3520	6220	1260	1330	7100	746	487
4	1020	545	695	6200	21200	4740	4510	1130	1040	5030	752	487
5	926	555	688	5040	11800	5750	3700	1070	1220	3570	732	482
6	929	546	683	3120	5580	4440	3210	1080	940	2710	684	510
7	980	538	680	2450	4430	4460	2790	1470	820	2350	662	551
8	1170	552	688	2250	3900	5160	2590	3370	836	2630	638	555
9	1280	606	734	2270	3500	4720	2460	2330	863	2350	624	551
10	1260	687	842	2730	3170	5300	2300	1670	753	2220	634	548
11	1060	919	1030	3180	3080	5790	2140	1400	692	1960	632	556
12	894	1570	950	2560	3210	4380	1970	1240	654	1830	645	526
13	810	1790	1100	2160	2780	3940	1790	1120	687	1840	617	495
14	760	1170	1450	1960	2500	7930	1650	1150	963	2340	593	478
15	724	1360	1480	1840	2320	11900	1600	1290	1110	1860	572	462
16	686	3840	1300	1900	2180	13800	1850	1160	1660	1600	555	454
17	652	2760	1090	2030	2220	9880	2820	1010	3440	1630	542	446
18	630	1920	966	1810	2640	5620	2070	943	2410	2560	537	426
19	625	1430	898	1670	3160	4410	1710	950	1740	2680	533	419
20	618	1180	891	1630	3280	3810	1540	1060	1320	1950	528	424
21	608	1050	920	1540	2780	3640	1440	1170	1080	1640	506	425
22	592	992	945	1440	2490	3360	1360	1070	963	1460	493	424
23	578	921	967	3060	2270	3160	1280	933	843	1420	484	424
24	568	875	1130	7180	2120	2800	1230	843	905	1370	511	420
25	558	851	3530	9790	2020	2860	1210	820	1050	1260	534	421
26	555	829	6230	6470	1940	3890	1230	823	1760	1480	576	423
27	552	806	3650	3720	1880	4680	1230	826	3830	1380	666	433
28	548	781	2400	2880	2430	3650	1220	780	9260	1150	641	420
29	545	757	2350	2490	---	2970	1390	734	11600	1050	608	452
30	545	732	3720	5300	---	2680	1730	693	12100	918	564	487
31	546	---	3040	15500	---	3020	---	677	---	848	532	---
TOTAL	26889	32164	47173	111670	169080	154650	73940	37342	67380	87886	18902	14200
MEAN	867	1072	1522	3602	6039	4989	2465	1205	2246	2835	610	473
MAX	2410	3840	6230	15500	25800	13800	8140	3370	12100	13100	800	556
MIN	545	530	680	1440	1880	2680	1210	677	654	848	484	419
CFSM	.49	.61	.86	2.04	3.42	2.82	1.40	.68	1.27	1.61	.35	.27
IN.	.57	.68	.99	2.35	3.56	3.26	1.56	.79	1.42	1.85	.40	.30

MOBILE RIVER BASIN

02425000 CAHABA RIVER NEAR MARION JUNCTION, AL--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

MEAN	894	1369	2793	4760	5373	6290	4968	2559	1601	1489	1289	921
MAX	3394	5006	10360	12890	15960	14970	17100	7528	4407	6355	14280	2455
(WY)	1996	1949	1984	1972	1990	1980	1979	1991	1997	1940	1939	1974
MIN	341	484	530	816	1598	1363	645	690	348	424	279	230
(WY)	1988	1982	1939	1981	1986	1988	1986	1988	1988	1954	1954	1954

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1939 - 1999	
ANNUAL TOTAL	1230929		841276			
ANNUAL MEAN	3372		2305		2847	
HIGHEST ANNUAL MEAN					4489	
LOWEST ANNUAL MEAN					932	
HIGHEST DAILY MEAN	32000		25800		77800	
LOWEST DAILY MEAN	476		419		224	
ANNUAL SEVEN-DAY MINIMUM	495		422		227	
INSTANTANEOUS PEAK FLOW			26700		83400	
INSTANTANEOUS PEAK STAGE			33.12		42.95	
INSTANTANEOUS LOW FLOW			410		410	
ANNUAL RUNOFF (CFSM)	1.91		1.31		1.61	
ANNUAL RUNOFF (INCHES)	25.93		17.72		21.90	
10 PERCENT EXCEEDS	7570		4580		6510	
50 PERCENT EXCEEDS	1330		1260		1440	
90 PERCENT EXCEEDS	614		538		516	

MOBILE RIVER BASIN

02425000 CAHABA RIVER NEAR MARION JUNCTION, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1999.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTR99M. (% FROM R BANK) (00002)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR 09...	1705	50.0	4720	77	981	74

MOBILE RIVER BASIN

02427250 PINE BARREN CREEK NEAR SNOW HILL, AL

LOCATION.--Lat 31°59'46", long 87°04'06", in SE 1/4 sec. 21, T. 12 N., R. 10 E., Wilcox County, Hydrologic Unit 03150203, at bridge on State Highway 21, 4 mi west of Snow Hill.

DRAINAGE AREA.--261 mi².

PERIOD OF RECORD.--October 1989 to current year. Operated as low-flow partial record station October 1959 to September 1967.

GAGE.--Water-stage recorder. Datum of gage is 126.60 ft above sea level (levels by Alabama Highway Department).

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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6680	83	85	89	2790	159	406	79	81	496	46	34
2	1050	81	84	105	1010	136	351	69	61	301	43	32
3	523	80	83	294	602	146	214	60	47	206	41	32
4	403	80	82	294	481	184	174	56	45	140	38	33
5	323	79	81	164	395	153	154	54	59	112	47	33
6	279	77	82	133	316	140	144	157	44	96	42	31
7	315	76	82	126	280	274	163	844	44	148	36	30
8	448	77	81	129	255	220	171	320	42	909	34	31
9	379	78	88	122	232	669	139	156	37	1450	32	31
10	267	81	86	131	214	977	121	111	40	443	55	30
11	216	100	81	123	201	419	109	89	36	237	78	30
12	188	121	80	109	184	293	96	77	56	361	51	29
13	169	98	96	104	166	626	86	72	162	883	49	28
14	156	88	131	123	153	5190	82	72	110	539	43	28
15	145	105	110	136	146	6730	1220	66	76	446	36	27
16	137	139	94	123	144	2030	697	59	279	292	32	26
17	129	139	86	112	148	618	230	54	634	178	30	25
18	122	118	82	108	242	471	143	52	277	162	29	25
19	118	100	80	103	235	385	116	85	117	135	29	26
20	115	94	82	96	182	312	104	96	77	114	27	29
21	111	89	83	94	157	380	95	62	60	97	27	30
22	104	85	83	93	146	447	85	50	50	82	28	32
23	96	87	81	382	137	294	78	46	46	72	29	30
24	93	145	91	830	136	241	73	50	118	65	41	29
25	93	170	122	355	131	235	79	46	405	65	77	29
26	93	122	129	223	128	224	79	53	1240	123	140	29
27	91	104	116	178	127	191	71	70	1330	119	106	35
28	88	95	105	156	147	170	82	58	4320	76	58	44
29	86	90	107	143	---	158	110	55	2460	61	45	42
30	85	87	105	2060	---	152	93	58	448	55	39	56
31	84	---	95	4300	---	171	---	53	---	50	37	---
TOTAL	13186	2968	2873	11538	9485	22795	5765	3229	12801	8513	1445	946
MEAN	425	98.9	92.7	372	339	735	192	104	427	275	46.6	31.5
MAX	6680	170	131	4300	2790	6730	1220	844	4320	1450	140	56
MIN	84	76	80	89	127	136	71	46	36	50	27	25
CFSM	1.63	.38	.36	1.43	1.30	2.82	.74	.40	1.63	1.05	.18	.12
IN.	1.88	.42	.41	1.64	1.35	3.25	.82	.46	1.82	1.21	.21	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1999, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
MEAN	147	343	485	787	858	861	353	275	213	170
MAX	504	1328	1144	1371	1566	1632	667	1200	442	439
(WY)	1996	1993	1993	1998	1990	1990	1993	1991	1997	1994
MIN	31.2	40.2	54.7	234	339	352	139	58.5	70.7	45.6
(WY)	1991	1991	1991	1991	1999	1992	1992	1992	1998	1995

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1990 - 1999
ANNUAL TOTAL	168629	95544	
ANNUAL MEAN	462	262	397
HIGHEST ANNUAL MEAN			543
LOWEST ANNUAL MEAN			229
HIGHEST DAILY MEAN	19700	6730	19700
LOWEST DAILY MEAN	26	25	19
ANNUAL SEVEN-DAY MINIMUM	28	26	21
INSTANTANEOUS PEAK FLOW		7190	28600
INSTANTANEOUS PEAK STAGE		20.48	24.73
ANNUAL RUNOFF (CFSM)	1.77	1.00	1.52
ANNUAL RUNOFF (INCHES)	24.03	13.62	20.65
10 PERCENT EXCEEDS	706	429	794
50 PERCENT EXCEEDS	100	104	132
90 PERCENT EXCEEDS	38	35	40

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02428400 ALABAMA RIVER AT CLAIBORNE LOCK AND DAM NEAR MONROEVILLE, AL

LOCATION.--Lat 31°36'54", long 87°33'02", in NE¹/₄SE¹/₄ 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.

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

REVISED RECORDS.--WDR AL-84-1: Drainage area. WDR AL-86-1: 1981, 1983-85 (maximum gage heights).

GAGE.--Water-stage recorder. Datum of gage is at sea level (datum published incorrectly 1976-77, 1979-85).

REMARKS.--Estimated daily discharges: Oct. 1-4, Jan. 30 to Feb. 8, Mar. 30 to Apr. 2, June 7-11. Water-discharge records fair. Flow regulated by reservoirs on Etowah, Coosa, Tallapoosa, and Alabama Rivers. (See Reservoirs in Mobile River basin).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e83200	7080	9110	26800	e127000	24200	e21800	14600	10800	88400	10100	7730
2	e85800	6930	11300	20900	e135000	30700	e41400	10900	10300	92000	10100	6960
3	e49200	7720	17400	16500	e132000	26300	38800	9000	9920	80200	12500	7790
4	e12800	7370	11300	23000	e136000	31000	25900	10000	10100	54100	10400	6990
5	9490	7430	9880	29300	e139000	38900	21300	10400	8890	42900	11900	7500
6	9720	8290	8350	30500	e120000	41100	23800	11100	9210	26100	10400	7510
7	8770	8520	7640	24200	e77200	41000	16900	27700	e8520	18400	8960	8590
8	9800	7680	7660	15100	e61000	38000	15900	30700	e9130	22700	7870	7060
9	15200	7640	11500	15400	52100	48900	27200	37000	e12100	29300	7570	6930
10	13600	7510	16000	12700	28300	61400	21600	37200	e12200	28800	8130	6960
11	10500	7490	13100	15200	29000	47700	17700	35200	e11200	11600	7310	6600
12	8720	12800	10200	20100	43700	40400	15600	31500	e9520	22700	7570	6360
13	9750	11800	8950	18500	47900	32600	14000	22300	e8690	32800	9030	6380
14	9390	10500	11900	14500	38200	e64900	12500	12000	e8380	48200	5990	6180
15	7890	10600	16200	17100	24100	e73300	11300	12300	e8290	50600	7920	5270
16	8010	12900	12800	27400	25100	e77300	11200	14600	18700	38800	6900	6380
17	6970	15600	11400	27400	17600	e66600	12400	12200	21200	30000	8190	6170
18	6860	13400	12000	30200	23900	e59200	10600	12800	21100	27700	8630	5990
19	8400	12800	9090	25600	35800	46800	12300	10300	12400	19900	8240	5930
20	6870	15700	7400	17600	47200	29800	15800	13300	10200	25900	7780	6090
21	7790	15400	7760	17300	44200	27900	16000	16000	10300	24700	7340	5950
22	7470	21800	9360	19700	38600	18000	10600	10100	9450	14600	6960	6190
23	7080	17200	12400	35300	31500	29500	9400	9080	7870	17000	7240	6380
24	7550	8400	20100	58000	26800	25500	8800	9870	8510	21100	8010	5400
25	6960	6570	30400	70300	22000	19700	8410	9600	18000	14800	8340	6020
26	7350	7980	31900	68800	19600	28700	9420	9150	22700	13700	11900	5510
27	6780	8230	43900	70000	19100	34000	9940	8440	41600	20400	9330	6070
28	7200	8370	37700	62800	25200	22000	10100	8510	70500	19700	7340	6200
29	6750	9710	30500	53800	---	15400	12600	8580	83300	18400	7570	5960
30	6560	8460	31400	e59600	---	e21600	15000	8500	92600	13500	8480	5260
31	7770	---	31100	e105000	---	e21600	---	8710	---	11700	7960	---
TOTAL	460200	311880	509700	1048600	1567100	1184000	498270	481640	595680	980700	265960	194310
MEAN	14850	10400	16440	33830	55970	38190	16610	15540	19860	31640	8579	6477
MAX	85800	21800	43900	105000	139000	77300	41400	37200	92600	92000	12500	8590
MIN	6560	6570	7400	12700	17600	15400	8410	8440	7870	11600	5990	5260
CFSM	.69	.48	.77	1.58	2.61	1.78	.77	.72	.92	1.47	.40	.30
IN.	.80	.54	.88	1.82	2.71	2.05	.86	.83	1.03	1.70	.46	.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1999, BY WATER YEAR (WY)

MEAN	17020	24050	36550	51600	60840	69560	53190	30030	20120	17600	13090	11420
MAX	57680	65300	93480	90120	126000	145000	147600	75120	62470	59580	44030	21490
(WY)	1976	1993	1984	1993	1990	1990	1979	1991	1989	1989	1984	1988
MIN	5398	6609	11210	9615	26350	17020	9129	8196	6985	6506	5909	5486
(WY)	1987	1988	1988	1981	1986	1988	1986	1986	1988	1986	1988	1986

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1976 - 1999

ANNUAL TOTAL	13841790	8098040	33620
ANNUAL MEAN	37920	22190	48670
HIGHEST ANNUAL MEAN			14440
LOWEST ANNUAL MEAN			1986
HIGHEST DAILY MEAN	205000	139000	255000
LOWEST DAILY MEAN	5350	5260	3890
ANNUAL SEVEN-DAY MINIMUM	7010	5770	4190
INSTANTANEOUS PEAK FLOW		143000	255000
INSTANTANEOUS PEAK STAGE		47.26	57.59
ANNUAL RUNOFF (CFSM)	1.77	1.03	1.57
ANNUAL RUNOFF (INCHES)	23.98	14.03	21.28
10 PERCENT EXCEEDS	102000	48000	87500
50 PERCENT EXCEEDS	14500	12800	18300
90 PERCENT EXCEEDS	7460	7030	7520

e Estimated

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02428401 ALABAMA RIVER BELOW CLAIBORNE LOCK AND DAM NEAR MONROEVILLE, AL

LOCATION.--Lat 31°36'48", long 87°33'10", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ 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 U.S. Army Corps of Engineers.

REVISED RECORD.--WDR AL-84-1: Drainage area. WDR AL-86-1: 1979-81.

GAGE.--Water-stage recorder. Datum of gage is at sea level. Prior to October 1, 1996 gage datum was 8.00 ft below sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 56.6 ft, Mar. 25, 1990; minimum, 5.76 ft, Sept. 15, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 46.72 ft, Feb. 4; minimum, 5.76 ft, Sept. 15.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38.56	8.29	9.63	20.16	42.94	17.95	17.52	13.41	10.43	38.33	10.82	7.89
2	37.78	8.21	10.63	18.09	45.19	20.27	22.11	12.13	10.62	38.72	10.08	7.53
3	32.26	8.38	13.35	16.46	46.46	19.54	24.01	10.40	10.22	37.99	10.99	7.73
4	22.37	8.41	12.46	17.35	46.61	20.35	20.48	10.23	9.99	33.33	10.63	7.43
5	16.59	8.37	10.83	20.00	45.78	22.68	18.24	10.55	9.70	28.48	11.06	7.85
6	14.00	8.76	9.83	20.80	43.36	23.68	18.00	10.93	9.58	23.06	10.64	7.89
7	12.35	9.00	9.10	19.36	39.50	23.93	16.90	17.12	9.29	19.04	9.76	8.28
8	12.11	8.63	8.93	16.16	35.26	23.32	15.35	20.29	9.38	17.91	8.80	7.73
9	13.66	8.52	10.33	14.89	31.12	25.30	18.52	22.07	10.50	20.11	8.27	7.56
10	13.73	8.53	12.64	13.94	24.85	29.22	18.21	22.73	11.10	20.61	8.20	7.44
11	12.01	8.66	12.60	13.96	22.60	27.35	16.62	22.47	11.15	15.25	7.95	7.18
12	10.60	10.76	11.41	15.62	25.07	24.97	14.78	21.43	10.53	16.22	7.89	6.91
13	10.43	11.82	10.34	16.14	26.23	23.03	13.76	19.08	9.52	20.58	8.63	6.84
14	10.22	10.82	11.03	14.73	24.62	31.36	12.72	14.94	8.76	25.03	7.51	6.75
15	9.48	10.74	13.52	14.91	20.68	36.94	12.06	12.39	8.71	26.57	7.88	6.19
16	9.02	11.71	12.92	18.87	19.53	38.14	11.81	13.60	12.91	24.68	7.56	6.60
17	8.56	13.56	12.07	19.71	17.12	37.23	12.24	12.31	16.40	21.80	8.00	6.67
18	8.24	12.95	11.84	20.57	17.56	35.04	11.65	12.25	16.61	20.39	8.47	6.46
19	8.91	12.35	10.61	19.74	21.66	29.93	11.97	11.22	13.99	18.07	8.50	6.42
20	8.49	13.31	9.39	16.88	24.85	24.69	13.14	11.55	11.38	18.32	8.09	6.56
21	8.49	13.60	9.09	15.83	24.77	22.60	13.94	12.93	10.58	18.78	7.74	6.60
22	8.44	15.74	9.69	16.39	23.83	19.09	12.31	11.23	10.12	15.64	7.51	6.68
23	8.21	14.41	11.12	20.27	21.68	20.58	10.73	9.99	9.25	14.04	7.60	6.71
24	8.30	10.92	14.21	27.23	20.06	20.22	9.88	9.96	9.19	15.70	7.99	6.34
25	8.11	8.67	19.28	31.51	18.50	18.17	9.39	10.05	12.82	14.82	8.36	6.44
26	8.30	9.03	20.76	32.83	16.66	19.71	9.58	9.73	16.81	12.68	10.19	6.30
27	8.22	9.19	24.12	33.23	16.24	22.14	10.18	9.21	22.19	15.55	9.73	6.53
28	8.25	9.21	23.32	31.82	18.47	19.16	10.54	9.10	32.32	15.73	8.30	7.00
29	8.03	9.96	21.39	29.43	---	16.14	11.57	9.14	36.87	15.22	7.90	6.97
30	7.88	9.53	21.16	30.00	---	16.69	12.82	9.08	38.50	13.69	8.23	6.35
31	8.33	---	21.04	38.65	---	17.99	---	9.21	---	12.07	8.10	---
MEAN	12.90	10.40	13.50	21.15	27.90	24.11	14.37	13.25	13.98	20.92	8.75	6.99
MAX	38.56	15.74	24.12	38.65	46.61	38.14	24.01	22.73	38.50	38.72	11.06	8.28
MIN	7.88	8.21	8.93	13.94	16.24	16.14	9.39	9.08	8.71	12.07	7.51	6.19
CAL YR 1998	MEAN 19.85		MAX 50.96		MIN 7.63							
WTR YR 1999	MEAN 15.63		MAX 46.61		MIN 6.19							

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02429500 ALABAMA RIVER AT CLAIBORNE, AL
(National Water-Quality Assessment 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.--Water years 1965-69, 1971 to current year.

PERIOD OF DAILY RECORD.--

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.

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 TEMPERATURE: (Water years 1966-68, 1975-79, 1981) Maximum, 32.5°C, July 21-24, Aug. 16, 17, 1981; minimum (water years 1967-68, 1975-81), 4.0°C, Jan. 17-18, Feb. 24-25, Mar. 1, 1968.

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 26...	8.4	.4	8.5	520	2	<1	.1	.49	140	89	13
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 26...	22	2	18	<1	1	4.1	76	22	49	.65	1300
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENIUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 26...	.04	1	68	28	17	.089	1.4	15	.5	.8	.24
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
AUG 26...	83	<.05	2	20	2	4.5	110	31	3	110	
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
AUG 26...	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00
DATE	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
AUG 26...	<1.00	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02429500 ALABAMA RIVER AT CLAIBORNE, AL--Continued
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BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)
AUG 26...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

						DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
JAN 13...	1200	15.95	17200	9.9	19.5	765	13.9	122	6.9	7.7	192			
FEB 17...	1530	16.45	15800	14.4	21.5	760	10.8	106	7.5	7.4	116			
MAR 17...	1200	37.25	86600	12.8	25.5	761	10.8	102	7.6	7.5	112			
APR 19...	1245	12.35	13200	20.8	24.5	765	9.0	100	7.8	7.7	142			
MAY 03...	1230	10.27	9210	22.5	28.5	762	9.1	105	7.7	7.5	172			
JUN 02...	1315	10.40	10100	27.2	33.5	768	8.8	110	7.8	7.7	185			
JUL 13...	1045	20.18	29500	28.5	31.5	767	8.3	106	7.5	7.6	141			
AUG 09...	1400	8.23	8130	32.5	32.5	762	8.0	111	7.6	7.7	174			
SEP 20...	1530	6.28	5890	27.9	30.5	762	7.9	101	7.4	7.8	219			
DATE		SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)		
JAN 13...	205	119	39	32	.57	.42	--	--	<.020	.019	.218			
FEB 17...	129	90	44	39	.62	.50	.30	.18	.027	<.010	--			
MAR 17...	114	74	96	79	.78	.45	.55	.21	.022	<.010	--			
APR 19...	148	91	57	47	.55	.24	.43	.13	.034	<.010	--			
MAY 03...	175	--	63	51	.55	.38	.35	.17	.090	.010	.106			
JUN 02...	181	130	70	57	.49	.26	.38	.15	.022	<.010	--			
JUL 13...	137	94	54	44	.54	.42	--	--	<.020	<.010	--			
AUG 09...	170	97	61	50	--	--	--	--	<.020	<.010	--			
SEP 20...	292	174	75	62	.55	.36	--	--	<.020	<.010	--			

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02429500 ALABAMA RIVER AT CLAIBORNE, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JAN 13...	.18	.33	.237	.07	.062	.027	.023	4.3	.50	16	4.5
FEB 17...	.21	.32	.294	.06	.064	.021	.020	3.8	.50	12	2.7
MAR 17...	.24	.57	.211	.06	.137	.020	.018	5.4	1.3	13	2.2
APR 19...	.16	.47	.079	.03	.058	.013	.010	4.3	.60	15	3.0
MAY 03...	.26	.44	.116	.11	.078	.032	.035	3.7	.70	16	3.3
JUN 02...	.17	.40	.088	.06	.052	.010	.020	3.7	.80	16	3.9
JUL 13...	.26	.38	.162	.06	.081	.024	.018	5.3	.80	14	2.8
AUG 09...	.20	.51	<.050	--	.063	.019	<.010	3.9	.60	16	3.5
SEP 20...	.21	.40	.145	.06	.077	.033	.020	5.4	.60	20	4.9

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
JAN 13...	17	1	38	1.8	9.9	19	<.10	3.9	16	8.9
FEB 17...	9.0	.6	32	1.5	7.1	12	<.10	6.8	46	24
MAR 17...	4.8	.3	20	1.4	3.9	7.4	<.10	5.3	74	5.3
APR 19...	10	.6	30	1.4	6.2	13	<.10	4.3	28	5.1
MAY 03...	13	.7	33	1.6	10	13	<.10	2.6	17	13
JUN 02...	13	.7	32	1.6	7.9	15	<.10	3.0	E7.9	6.7
JUL 13...	8.4	.5	27	1.8	6.5	9.7	<.10	6.9	29	4.8
AUG 09...	12	.7	32	1.9	8.0	12	<.10	4.2	E7.2	8.9
SEP 20...	28	1	46	3.0	24	40	.11	1.8	<10	3.6

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)
APR 19...	<.0070	<.0020	.0267	E.0046	E.0046	<.0040	<.0030	<.0020	<.0060	<.0040	<.004	<.001
MAY 03...	<.0070	<.0020	.0205	<.0180	E.0027	<.0040	<.0030	<.0020	<.0060	<.0040	<.004	<.001

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02429500 ALABAMA RIVER AT CLAIBORNE, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U (UG/L) (82664)
APR 19...	.010	<.005	<.004	<.002	.057	<.002	<.0020	<.004	<.0030	<.0020	<.0040	<.0020
MAY 03...	<.002	<.005	<.004	<.002	.030	<.002	<.0020	<.004	<.0030	<.0020	<.0040	<.0020
DATE	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
APR 19...	<.0070	<.0020	<.0060	<.0020	<.0040	E.0088	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030
MAY 03...	<.0070	<.0020	<.0060	<.0100	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030
DATE	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	
APR 19...	<.0170	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
MAY 03...	<.0170	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (000002)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 13...	1200	--	17200	10	464	86
FEB 04...	1040	25.0	133000	138	49600	69
04...	1100	50.0	133000	153	54900	58
04...	1130	75.0	133000	213	76500	45
17...	1530	--	15800	13	555	55
MAR 09...	1600	25.0	49000	27	3570	68
09...	1620	50.0	49000	23	3040	74
09...	1705	75.0	49000	25	3310	80
17...	1200	--	86600	121	28300	86
APR 19...	1245	--	13200	19	677	71
MAY 03...	1230	--	9210	17	423	86
JUN 02...	1315	--	10100	16	436	52
30...	1420	75.0	92600	164	41000	--
30...	1730	25.0	92600	215	53800	--

MOBILE RIVER BASIN

02438000 BUTTAHATCHEE RIVER BELOW HAMILTON, AL

LOCATION.--Lat 34°06'22", long 87°59'22", in NE¹/₄ sec. 15, T. 11 S., R. 14 W., Marion County, Hydrologic Unit 03160103, near right bank on downstream side of bridge on Military Street, 0.5 mi downstream from Woods Creek, 2 mi south of Hamilton, and at mile 82.6.

DRAINAGE AREA.--277 mi².

PERIOD OF RECORD.--October 1950 to September 1970. October 1970 to September 1972 (flood hydrograph only). October 1982 to September 1984 (annual peak only). October 1984 to September 1990 (flood hydrograph only). October 1990 to current year.

REVISED RECORDS.--WDR AL-87-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 360.50 ft above sea level. (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.--Estimated daily discharges: May 22-27. Records good except those estimated, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	65	84	527	1960	732	804	468	250	184	71	35
2	59	69	83	1150	1320	642	648	398	305	165	67	35
3	60	76	83	1580	1010	1750	566	351	228	215	62	35
4	62	73	83	890	815	1150	1010	317	183	157	60	37
5	62	72	84	642	668	855	836	352	186	131	56	38
6	62	70	84	548	601	1660	1360	7510	190	118	54	40
7	127	70	94	494	595	1210	1110	2040	148	194	53	43
8	157	83	171	724	542	917	839	1040	143	181	52	69
9	93	95	193	2850	488	1850	700	701	130	153	53	149
10	78	109	140	1600	486	1240	586	549	122	154	54	92
11	73	145	239	1010	464	962	519	459	115	218	53	62
12	71	101	1290	775	450	786	438	416	115	303	51	54
13	69	84	1940	639	434	1320	390	406	125	243	49	52
14	68	289	697	1140	390	2220	372	350	171	173	45	49
15	67	545	415	931	371	1570	959	310	361	147	42	45
16	67	194	320	707	362	1120	650	288	224	209	43	41
17	65	128	272	595	908	909	500	273	164	237	42	39
18	65	106	234	707	1110	757	432	272	133	159	41	39
19	67	96	271	583	776	647	395	411	119	129	40	40
20	69	98	281	518	608	631	367	287	111	131	39	41
21	67	102	243	474	538	765	337	268	105	112	38	43
22	65	94	558	1480	486	597	311	e230	100	101	38	44
23	63	91	645	13000	444	536	296	e205	117	95	38	42
24	63	93	2990	3110	420	503	302	e185	271	107	39	41
25	64	91	1290	1630	395	472	370	e180	260	148	45	40
26	65	89	857	1190	389	434	649	e175	199	134	46	40
27	65	86	692	952	456	402	1510	e170	383	102	45	40
28	66	85	2370	796	1170	383	1360	162	319	91	43	42
29	66	84	1650	734	---	528	757	149	321	84	40	49
30	66	85	917	1050	---	535	574	149	228	80	38	53
31	66	---	655	2780	---	604	---	160	---	75	35	---
TOTAL	2217	3468	19925	45806	18656	28687	19947	19231	5826	4730	1472	1469
MEAN	71.5	116	643	1478	666	925	665	620	194	153	47.5	49.0
MAX	157	545	2990	13000	1960	2220	1510	7510	383	303	71	149
MIN	59	65	83	474	362	383	296	149	100	75	35	35
CFSM	.26	.42	2.32	5.33	2.41	3.34	2.40	2.24	.70	.55	.17	.18
IN.	.30	.47	2.68	6.15	2.51	3.85	2.68	2.58	.78	.64	.20	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1999, BY WATER YEAR (WY)

	MEAN	124	277	862	858	1045	1010	945	622	263	199	139	123
MAX	316	1555	2918	1988	2254	1994	2463	2694	1776	707	251	499	
(WY)	1965	1958	1962	1962	1991	1951	1991	1991	1997	1994	1966	1958	
MIN	36.9	68.6	88.6	111	338	303	333	131	77.2	46.8	43.0	41.2	
(WY)	1964	1954	1966	1956	1954	1966	1992	1992	1952	1952	1954	1955	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1951 - 1999

ANNUAL TOTAL	180953		171434		533	
ANNUAL MEAN	496		470		1093	1991
HIGHEST ANNUAL MEAN					307	1954
LOWEST ANNUAL MEAN					23000	Dec 23 1990
HIGHEST DAILY MEAN	9010	Jan 7	13000	Jan 23	19	Sep 2 1954
LOWEST DAILY MEAN	59	Oct 2	35	Aug 31-Sep 3	19	Sep 1 1954
ANNUAL SEVEN-DAY MINIMUM	61	Sep 30	36	Aug 30	19	Mar 16 1973
INSTANTANEOUS PEAK FLOW			15300	Jan 23	49500	Mar 16 1973
INSTANTANEOUS PEAK STAGE			21.97	Jan 23	35.49	
ANNUAL RUNOFF (CFSM)	1.79		1.70		1.92	
ANNUAL RUNOFF (INCHES)	24.30		23.02		26.13	
10 PERCENT EXCEEDS	1210		1110		1120	
50 PERCENT EXCEEDS	207		205		229	
90 PERCENT EXCEEDS	69		45		66	

e Estimated

MOBILE RIVER BASIN

02444160 TOMBIGBEE RIVER AT BEVILL LOCK AND DAM NEAR PICKENSVILLE, AL

LOCATION.--Lat 33°12'38", long 88°17'19", in NW¹/₄ 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 sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: Sept. 2, 3. Records good. Records since Jan. 16, 1985, include diversions from Tennessee River basin through Bay Springs lock on Tennessee-Tombigbee Waterway.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	556	748	2370	19400	69800	14300	8770	8430	3160	21700	1500	676
2	579	823	779	17100	51500	10800	7980	6300	3940	14100	795	e694
3	1720	1680	1930	32700	36200	27500	7070	4900	3540	8300	710	e564
4	2920	985	692	20600	26600	30700	14700	3510	3430	3670	866	798
5	2610	796	1370	16000	17800	20600	16000	4320	2680	2330	888	698
6	1030	879	1660	14700	12600	21600	17800	27600	1880	2400	1250	783
7	2800	794	2150	11300	10400	27300	16500	30900	3180	6320	655	657
8	716	2830	3430	9410	9920	16600	14300	25700	956	7740	697	687
9	847	699	1760	28600	7400	25700	12400	30100	1500	6660	694	804
10	1330	3390	2560	32900	11900	28800	9890	20800	2450	5460	721	605
11	2000	2130	6300	21800	15200	19600	6250	10200	1920	6210	728	681
12	743	1070	14400	22200	14000	18200	5580	7800	1860	12600	1300	719
13	1450	2190	36800	20500	13300	16400	3000	5570	2150	5970	808	647
14	1060	4110	21300	18200	9450	42900	4740	4760	4100	5940	738	731
15	767	4800	19000	18100	6730	38300	13400	3640	4980	2640	560	873
16	902	4630	20400	12800	7260	31500	12500	3320	1670	3520	632	711
17	1190	3780	15700	11600	8010	29800	12300	3970	3230	2280	712	742
18	1290	2250	6390	14100	12700	21500	8760	3730	2170	1770	650	780
19	1160	3250	5180	11400	12700	13600	5460	2500	1380	1650	603	628
20	1020	1800	4110	9310	9900	11200	5320	2110	1580	2300	662	751
21	1300	1370	4560	8900	8860	11100	3850	2800	1220	1270	656	742
22	1310	2100	8540	11900	7020	8810	3370	3730	1130	1460	639	697
23	740	1680	10500	68300	6780	8420	3550	3110	1680	1280	537	598
24	782	1690	35000	84100	4730	7130	7030	3190	9420	1230	550	639
25	736	1120	31900	76800	6440	7860	33400	2190	19200	1550	717	684
26	815	1860	21600	74500	4890	7440	22200	1720	20800	1840	736	717
27	1000	1950	21800	56800	5880	5710	28000	3160	20600	2380	760	861
28	911	769	31600	28900	16000	5680	21600	1700	21700	854	718	690
29	903	1460	43500	19700	---	6110	19400	1950	12800	1320	710	727
30	1530	1170	25100	51000	---	7190	15200	1990	22900	2410	778	644
31	870	---	22300	67500	---	6870	---	3190	---	977	780	---
TOTAL	37587	58803	424681	911120	423970	549220	360320	238890	183206	140131	23750	21228
MEAN	1212	1960	13700	29390	15140	17720	12010	7706	6107	4520	766	708
MAX	2920	4800	43500	84100	69800	42900	33400	30900	22900	21700	1500	873
MIN	556	699	692	8900	4730	5680	3000	1700	956	854	537	564
CFSM	.21	.34	2.38	5.11	2.63	3.08	2.09	1.34	1.06	.79	.13	.12
IN.	.24	.38	2.75	5.89	2.74	3.55	2.33	1.55	1.19	.91	.15	.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1999, BY WATER YEAR (WY)

	MEAN	2534	5394	14430	15880	18120	16070	14460	12210	6701	3790	2156	1614
MAX	6530	14060	42160	29990	40590	27680	44220	70040	29030	15340	4533	3504	
(WY)	1985	1987	1984	1989	1991	1995	1983	1991	1997	1994	1998	1996	
MIN	694	780	2384	2060	6056	5447	2128	1489	789	1003	746	485	
(WY)	1988	1982	1982	1981	1986	1985	1986	1992	1988	1988	1987	1984	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1981 - 1999
ANNUAL TOTAL	3297285	3372906	
ANNUAL MEAN	9034	9241	9407
HIGHEST ANNUAL MEAN			19390
LOWEST ANNUAL MEAN			3369
HIGHEST DAILY MEAN	75200	84100	178000
LOWEST DAILY MEAN	541	537	196
ANNUAL SEVEN-DAY MINIMUM	839	614	319
INSTANTANEOUS PEAK FLOW		92500	178000
INSTANTANEOUS PEAK STAGE		37.32	44.33
ANNUAL RUNOFF (CFSM)	1.57	1.61	1.64
ANNUAL RUNOFF (INCHES)	21.33	21.82	22.23
10 PERCENT EXCEEDS	22500	23800	23500
50 PERCENT EXCEEDS	4560	3540	3970
90 PERCENT EXCEEDS	842	714	812

e Estimated

MOBILE RIVER BASIN

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 33°05'32", long 88°17'58", in NE¹/₄ sec. 4, T. 24 N., R. 3 W., Pickens County, Hydrologic Unit 03160106, downstream side of bridge on County Road 1, 3 mi south of Memphis, and 4 mi northwest of Cochrane.
DRAINAGE AREA.--52.6 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 140 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges: Dec. 24, Jan. 23-28, Jan. 30 to Feb. 5, Feb. 10-12. Records good except those estimated, which are poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,870 ft³/s, Jan. 30, gage height, 16.29 ft; minimum daily discharge, no flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	4.1	e400	33	49	5.5	96	131	.06	.00
2	.00	.00	.00	302	e100	47	17	3.2	4.8	7.4	.02	.00
3	.00	.00	.00	252	e40	1230	9.2	2.2	2.1	3.7	.00	.00
4	.00	.00	.00	21	e25	73	31	1.7	.84	2.7	e.02	.00
5	.00	.00	.00	18	e18	17	29	1.4	.31	1.8	e.01	.00
6	.00	.00	.00	3.6	14	35	8.3	568	.14	.98	.00	.00
7	.00	.00	.00	24	11	13	4.8	31	.08	607	.00	.00
8	.00	.00	.00	167	9.2	6.8	3.7	6.8	2.5	201	.00	.00
9	.00	.00	e.20	726	7.6	267	3.3	4.1	.95	9.6	.00	.00
10	.00	.00	.52	103	e6.5	52	3.0	2.7	.12	5.4	.00	.00
11	.00	.00	7.4	29	e6.3	14	2.6	2.2	.05	6.7	.00	.00
12	.00	.00	213	14	e6.1	8.1	2.3	3.1	.06	6.3	.00	.00
13	.00	.00	241	8.2	5.3	663	2.1	3.9	.02	3.0	.01	.00
14	.00	.00	40	22	4.5	1090	2.0	2.7	113	1.7	.41	.00
15	.00	.00	6.2	18	4.2	139	2.9	1.8	138	2.4	.11	.00
16	.00	.00	3.3	4.9	4.1	33	3.0	.94	4.9	10	.04	.00
17	.00	.00	2.5	3.5	4.7	16	2.6	.45	2.1	5.4	.01	.00
18	.00	.00	2.1	17	5.9	11	2.2	.24	.65	2.5	.00	.00
19	.00	.00	2.1	11	5.2	7.7	2.0	.13	.27	1.8	.00	.00
20	.00	.00	2.5	4.3	4.5	6.4	2.0	.07	.09	1.0	.00	.00
21	.00	.00	2.5	3.5	4.1	7.6	1.9	.06	.03	.60	.00	.00
22	.00	.00	2.9	274	3.7	5.8	1.6	.04	.05	.32	.00	.00
23	.00	.00	177	e2000	3.4	4.4	1.5	.06	.13	.18	.00	.00
24	.00	.00	e412	e400	3.5	7.5	117	.09	.25	.08	.00	.00
25	.00	.00	183	e100	3.4	601	178	.05	63	.08	.00	.00
26	.00	.00	59	e40	3.9	114	12	.06	79	7.1	.00	.00
27	.00	.00	20	e25	138	23	191	.06	1410	4.2	.00	.00
28	.00	.00	668	e15	607	10	46	.02	1020	1.8	.00	.00
29	.00	.00	208	747	---	7.6	92	18	6.2	.73	.00	.00
30	.00	.00	40	e3000	---	7.0	22	62	715	.23	.00	.00
31	.00	---	7.7	e2000	---	62	---	225	---	.09	.00	---
TOTAL	0.00	0.00	2300.92	10357.1	1449.1	4611.9	845.0	947.57	3660.64	1026.79	0.69	0.00
MEAN	.000	.000	74.2	334	51.8	149	28.2	30.6	122	33.1	.022	.000
MAX	.00	.00	668	3000	607	1230	191	568	1410	607	.41	.00
MIN	.00	.00	.00	3.5	3.4	4.4	1.5	.02	.00	.08	.00	.00
CFSM	.00	.00	1.41	6.35	.98	2.83	.54	.58	2.32	.63	.00	.00
IN.	.00	.00	1.63	7.32	1.02	3.26	.60	.67	2.59	.73	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	.000	.000	74.2	334	51.8	149	28.2	30.6	122	33.1	.022	.000
MAX	.000	.000	74.2	334	51.8	149	28.2	30.6	122	33.1	.022	.000
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	.000	.000	74.2	334	51.8	149	28.2	30.6	122	33.1	.022	.000
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999

SUMMARY STATISTICS

FOR 1999 WATER YEAR

ANNUAL TOTAL	25199.71
ANNUAL MEAN	69.0
HIGHEST DAILY MEAN	3000
LOWEST DAILY MEAN	.00
ANNUAL SEVEN-DAY MINIMUM	.00
INSTANTANEOUS PEAK FLOW	4870
INSTANTANEOUS PEAK STAGE	16.29
ANNUAL RUNOFF (CFSM)	1.31
ANNUAL RUNOFF (INCHES)	17.82
10 PERCENT EXCEEDS	134
50 PERCENT EXCEEDS	2.0
90 PERCENT EXCEEDS	.00

e Estimated

MOBILE RIVER BASIN

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1999 to current year.

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	THAL- LIUM BED MAT D SIEVE <63 U TOTAL (UG/G) (04064)	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)
MAY 24...	1000	<1.0	6.8	.5	9.1	240	3	<1	.3	6.7	94	120
DATE	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NIUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
MAY 24...	10	20	2	17	<1	1	3.2	50	18	89	.47	440
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)
MAY 24...	.05	1	45	35	22	.081	.81	12	.9	<1.0	.16	330
DATE	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	CARBON, ORGANIC SED, BM WS, <63U DW, REC (PER- CENT) (49266)	CARBON, ORG + INORG, SED, BM WS, <63U DW, REC PERCENT (49267)	CARBON, INORG, SED, BM WS, <63U DW, REC (PER- CENT) (49269)
MAY 24...	.07	3	13	2	4.1	110	23	3	100	1.11	2.81	1.70
DATE	CARBON, INORG, SED, BM WS, <2MM DW, REC (G/KG) (49270)	CARBON, ORGANIC SED, BM WS, <2MM DW, REC (G/KG) (49271)	CARBON, ORG + INORG SED, BM WS, <2MM DW, REC (G/KG) (49272)	TITA- NIUM, SED, BM WS, <63U DRY WGT REC PERCENT (49274)	ALPHA- BHC, D6 SURROGT SED, BM WS, <2MM DW, REC PERCENT (49275)	TERPHEN YL D14- SURROGT SED, BM WS, <2MM DW, REC PERCENT (49278)	BIPHENYL 2FLUORO SURROGT SED, BM WS, <2MM DW, REC PERCENT (49279)	BENZENE NITROD5 SURROGT SED, BM WS, <2MM DW, REC PERCENT (49280)	CIS- NONA- CHLOR, SED, BM WS, <2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS, <2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS, <2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS, <2MM DW, REC (UG/KG) (49319)
MAY 24...	35.0	9.00	44.0	.490	62.0	87.8	58.3	54.6	<1.00	<1.00	<1.00	<1.00
DATE	CIS- CHLOR- DANE, SED, BM WS, <2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS, <2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS, <2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS, <2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS, <2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS, <2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS, <2MM DW, REC (UG/KG) (49327)	P, P'- DDE, SED, BM WS, <2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS, <2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS, <2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS, <2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS, <2MM DW, REC (UG/KG) (49332)
MAY 24...	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<1.00	<1.00

MOBILE RIVER BASIN

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL--Continued
(National Water-Quality Assessment Station)

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	ENDRIN, SED, BM WS,<2MM DATE DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)
MAY 24...	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00
	TRANS- PER- METHRIN SED, BM WS,<2MM DATE DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PHTHAL- ATE, DIBUTYL SED, BM WS,<2MM DW, REC (UG/KG) (49381)	PHTHAL ATE, D IOCTYL SED, BM WS,<2MM DW, REC (UG/KG) (49382)	PHTHAL- ATE, D IETHYL SED, BM WS,<2MM DW, REC (UG/KG) (49383)	PHTHAL- ATE,DI- METHYL SED, BM WS,<2MM DW, REC (UG/KG) (49384)	PYRENE, SED, BM WS,<2MM DW, REC (UG/KG) (49387)	METHYL, SED, BM WS,<2MM DW, REC (UG/KG) (49388)	BENZO (A) PYRENE SED, BM WS,<2MM DW, REC (UG/KG) (49389)	INDENO 123-CD PYRENE SED, BM WS,<2MM DW, REC (UG/KG) (49390)	2,2'-BI QUINO- LINE, SED, BM WS,<2MM DW, REC (UG/KG) (49391)	QUINO LINE, SED, BM WS,<2MM DW, REC (UG/KG) (49392)
MAY 24...	<5.00	<200	E14	<50	E6.6	<50	<50	<50	<50	<50	<50	<50
	PHENAN- THRI- DINE SED, BM WS,<2MM DATE DW, REC (UG/KG) (49393)	ISO- QUINO- LINE, SED, BM WS,<2MM DW, REC (UG/KG) (49394)	TOLUENE 2,4-DI- NITRO- SED, BM WS,<2MM DW, REC (UG/KG) (49395)	TOLUENE 2,6-DI- NITRO- SED, BM WS,<2MM DW, REC (UG/KG) (49396)	BENZO K FLUOR- ANTHENE SED, BM WS,<2MM DW, REC (UG/KG) (49397)	9H-FLU- ORENE, 1METHYL SED, BM WS,<2MM DW, REC (UG/KG) (49398)	9H-FLU- ORENE SED, BM WS,<2MM DW, REC (UG/KG) (49399)	ISOPHOR ONE SED, BM WS,<2MM DW, REC (UG/KG) (49400)	METHANE 2CHLORO ETHOXY SED, BM WS,<2MM DW, REC (UG/KG) (49401)	NAPHTH- ALENE, SED, BM WS,<2MM DW, REC (UG/KG) (49402)	NAPHTH ENE, 12 DIMETHL SED, BM WS,<2MM DW, REC (UG/KG) (49403)	NAPHTH ENE, 16 DIMETHL SED, BM WS,<2MM DW, REC (UG/KG) (49404)
MAY 24...	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	E16
	NAPHTH ENE,236 TRIMETH SED, BM WS,<2MM DATE DW, REC (UG/KG) (49405)	NAPHTH ENE, 26 DIMETHL SED, BM WS,<2MM DW, REC (UG/KG) (49406)	NAPHTH ENE, 2- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49407)	BENZO(G HI)PERY LENE SED, BM WS,<2MM DW, REC (UG/KG) (49408)	PHENAN THRENE SED, BM WS,<2MM DW, REC (UG/KG) (49409)	PHENAN THRENE 1METHYL SED, BM WS,<2MM DW, REC (UG/KG) (49410)	4HCYPEN PHENAN THRENE SED, BM WS,<2MM DW, REC (UG/KG) (49411)	PHENOL THRENE SED, BM WS,<2MM DW, REC (UG/KG) (49413)	3,5- XYLENOL SED, BM WS,<2MM DW, REC (UG/KG) (49421)	M-CRE- SOL, 4- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49422)	PHENOL C8- ALKYL- SED, BM WS,<2MM DW, REC (UG/KG) (49424)	
MAY 24...	<50	E24	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	PHTHALA TE,BIS2 ETHHEXL SED, BM WS,<2MM DATE DW, REC (UG/KG) (49426)	PHTHALA TEBUTYL BENZYL- SED, BM WS,<2MM DW, REC (UG/KG) (49427)	ACENAPH THYLENE SED, BM WS,<2MM DW, REC (UG/KG) (49428)	ACENAPH THENE SED, BM WS,<2MM DW, REC (UG/KG) (49429)	ACRI- DINE SED, BM WS,<2MM DW, REC (UG/KG) (49430)	DPROPYL AMINE,N NITROSO SED, BM WS,<2MM DW, REC (UG/KG) (49431)	DIPHNYL AMINE,N NITROSO SED, BM WS,<2MM DW, REC (UG/KG) (49433)	ANTHRA- CENE SED, BM WS,<2MM DW, REC (UG/KG) (49434)	ANTHRA- CENE,2- METHYL- SED, BM WS,<2MM DW, REC (UG/KG) (49435)	BENZ(A) ANTHRA- CENE SED, BM WS,<2MM DW, REC (UG/KG) (49436)	9,10- ANTHRA- QUINONE SED, BM WS,<2MM DW, REC (UG/KG) (49437)	
MAY 24...	E23	E43	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	BENZENE 124TRI- CHLORO- SED, BM WS,<2MM DATE DW, REC (UG/KG) (49438)	BENZENE O-DI- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49439)	BENZENE M-DI- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49441)	BENZENE P-DI- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49442)	AZO- BENZENE SED, BM WS,<2MM DW, REC (UG/KG) (49443)	BENZENE NITRO- SED, BM WS,<2MM DW, REC (UG/KG) (49444)	BENZENE PNTCHLR NITRO- SED, BM WS,<2MM DW, REC (UG/KG) (49446)	CARBA- ZOLE SED, BM WS,<2MM DW, REC (UG/KG) (49449)	CHRY- SENE SED, BM WS,<2MM DW, REC (UG/KG) (49450)	P- CRESOL SED, BM WS,<2MM DW, REC (UG/KG) (49451)	THIOPH ENE,DI- BENZO- SED, BM WS,<2MM DW, REC (UG/KG) (49452)	
MAY 24...	<50	<50	<50	<50	<50	<50	<50	<50	<50	E26	<50	<50
	4-BROMO PHNPHNL ETHER SED, BM WS,<2MM DATE DW, REC (UG/KG) (49454)	4CHLORO PHNPHNL ETHER SED, BM WS,<2MM DW, REC (UG/KG) (49455)	BIS2CHL ETHYL ETHER SED, BM WS,<2MM DW, REC (UG/KG) (49456)	BENZOB FLUOR- ANTHENE SED, BM WS,<2MM DW, REC (UG/KG) (49458)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	DIBENZ (AH),AN THRACEN SED, BM WS,<2MM DW, REC (UG/KG) (49461)	FLUOR- ANTHENE BED MAT WS <2MM DRY WGT REC (UG/KG) (49466)	PHENOL, 2CHLORO BED MAT WS <2MM DRY WGT REC (UG/KG) (49467)	BENZOCI NNOLINE BED MAT WS <2MM DRY WGT REC (UG/KG) (49468)	NAPHTH ENE, 2- ETHYL- SED, BM WS <2MM DW, REC (UG/KG) (49948)	
MAY 24...	<50	<50	<50	<50	<50	<1.0	<50	<50	<50	<50	<50	<50.0

MOBILE RIVER BASIN

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)
JAN											
05...	1100	2.15	66	.0	766	13.5	92	7.8	7.7	250	264
FEB											
08...	1045	1.73	8.1	14.8	754	10.3	103	8.2	8.1	420	419
MAR											
02...	1030	1.73	11	13.7	758	10.5	102	7.7	8.0	287	289
08...	1030	1.69	9.3	11.4	765	10.1	92	8.0	7.8	365	348
16...	1030	2.00	39	9.9	766	12.4	109	7.9	7.9	266	274
23...	1000	1.55	4.5	15.5	764	12.4	124	8.3	8.1	427	432
29...	1030	1.66	8.2	15.4	768	12.9	128	8.4	8.3	362	353
APR											
06...	1045	1.68	8.9	22.8	760	12.3	143	8.4	8.6	327	326
12...	1200	1.35	2.3	23.4	--	8.9	--	7.9	8.0	462	477
20...	1100	1.30	1.8	25.0	755	8.7	107	7.5	7.8	553	546
26...	1050	1.73	11	22.8	758	8.2	96	7.6	7.7	374	378
MAY											
05...	1100	1.28	1.5	21.9	755	13.4	155	8.0	8.1	418	431
06...	0915	7.11	1100	19.0	753	7.6	83	7.4	7.6	191	219
11...	1200	1.35	2.3	25.3	757	13.0	160	8.5	8.2	398	400
18...	0930	1.21	.41	24.1	762	7.1	85	7.8	7.9	419	420
24...	1000	1.16	.13	31.2	757	9.9	135	8.0	8.1	443	439
JUN											
01...	1140	2.08	58	24.3	761	8.1	97	7.6	7.7	307	312
08...	0930	1.15	.10	27.7	761	7.8	99	8.0	8.1	340	341
15...	0915	2.40	112	24.1	759	7.6	91	7.7	7.9	258	264
22...	1100	1.10	.05	31.0	760	9.7	131	9.1	9.1	266	262
28...	1115	2.80	187	28.0	757	8.0	103	8.3	7.8	155	207
JUL											
07...	1100	8.21	1420	24.6	758	7.8	94	7.4	7.8	133	134
15...	1040	1.41	2.9	27.6	764	11.6	147	8.6	8.8	271	270
19...	1245	1.36	2.4	32.3	760	11.2	155	8.6	8.8	330	326
26...	1040	1.31	1.9	29.2	757	7.7	101	8.1	8.1	428	423
AUG											
05...	1045	1.04	.01	31.2	760	4.9	66	7.8	8.4	295	295
16...	1100	1.10	.07	29.4	762	5.8	76	7.5	7.7	410	405

MOBILE RIVER BASIN

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
JAN											
05...	164	57	47	2.5	2.4	.65	.60	.057	.019	1.73	.66
FEB											
08...	262	99	88	2.0	1.6	.88	.58	.099	.092	.878	.68
MAR											
02...	182	78	64	1.5	1.4	.68	.62	.130	.048	.612	.75
08...	201	117	96	.89	.76	.57	.44	.030	.022	.268	.47
16...	166	100	82	1.2	.96	.71	.45	.068	.013	.427	.52
23...	264	112	108	--	--	--	--	<.020	<.010	--	.48
29...	214	107	100	.83	.59	--	--	<.020	.011	.075	.51
APR											
06...	207	101	97	1.0	.74	--	--	<.020	.030	.048	.67
12...	300	145	119	--	--	--	--	<.020	<.010	--	.95
20...	350	168	138	--	--	--	--	<.020	<.010	--	.49
26...	261	88	72	9.5	9.4	1.7	1.5	1.63	.276	5.91	3.2
MAY											
05...	266	127	104	1.8	1.6	.87	.61	.035	.080	.851	.64
06...	144	51	42	9.0	7.3	3.7	2.0	.470	.072	4.77	2.5
11...	253	83	80	2.9	2.3	--	--	<.020	.109	1.34	.83
18...	254	82	67	1.9	1.5	1.0	.59	.034	.082	.794	.63
24...	283	74	61	1.1	.72	1.0	.62	.029	<.010	--	.65
JUN											
01...	267	61	50	10	9.5	1.6	.97	.625	.155	7.79	1.6
08...	241	66	54	3.0	--	.98	--	.025	.071	1.95	<.10
15...	175	57	47	7.0	5.9	1.9	.79	.063	.088	4.91	.86
22...	200	34	37	1.6	1.2	--	--	<.020	.035	.319	.84
28...	133	74	60	2.4	1.6	1.3	.57	.092	.030	.949	.67
JUL											
07...	105	43	35	2.6	1.3	1.7	.44	.094	.029	.768	.53
15...	173	71	74	1.1	.87	--	--	<.020	<.010	--	.80
19...	202	84	85	--	--	--	--	<.020	<.010	--	.94
26...	257	96	79	--	--	--	--	<.020	<.010	--	.99
AUG											
05...	186	66	74	--	--	--	--	<.020	<.010	--	.73
16...	262	109	89	--	--	--	--	<.020	<.010	--	.46

MOBILE RIVER BASIN

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JAN										
05...	.71	1.75	.24	.171	.097	.078	6.5	.90	36	1.7
FEB										
08...	.98	.970	.59	.268	.196	.193	5.7	1.1	58	2.5
MAR										
02...	.81	.660	.16	.184	.079	.051	6.7	2.5	42	1.7
08...	.60	.290	.10	.132	.044	.032	5.6	1.6	52	2.0
16...	.78	.440	.08	.158	.039	.026	5.6	1.7	38	1.5
23...	.79	<.050	--	.062	.012	<.010	5.6	.60	63	2.5
29...	.74	.086	--	.125	.025	<.010	6.2	1.4	54	2.0
APR										
06...	.94	.078	.12	.132	.068	.038	8.8	1.0	51	2.1
12...	.95	<.050	.04	.075	.026	.012	6.9	1.0	72	2.9
20...	.70	<.050	--	.049	.016	<.010	6.5	.70	87	3.4
26...	3.3	6.19	.52	.317	.200	.168	9.9	1.5	53	2.4
MAY										
05...	.91	.931	.05	.056	.023	.016	7.3	.70	61	2.7
06...	4.2	4.84	.24	1.25	.093	.077	9.2	4.6	28	1.2
11...	1.5	1.45	--	.136	.020	<.010	8.1	2.7	46	2.1
18...	1.1	.876	.03	.053	.020	.011	7.5	1.4	49	2.6
24...	1.1	.072	--	.058	.014	<.010	6.6	1.8	53	2.9
JUN										
01...	2.2	7.94	.24	.412	.099	.077	8.4	>4.0	42	2.0
08...	1.0	2.02	.04	.043	.016	.012	8.6	1.0	45	2.2
15...	2.0	5.00	.30	.665	.135	.099	9.0	>4.0	39	1.7
22...	1.2	.354	.03	.059	.021	.011	9.6	1.0	34	1.3
28...	1.4	.979	.23	.642	.111	.074	8.5	>4.0	32	1.3
JUL										
07...	1.8	.797	.45	1.01	.192	.148	7.7	>4.0	19	.65
15...	1.0	.074	.12	.131	.051	.038	11	2.3	37	1.7
19...	1.2	<.050	.32	.204	.133	.105	11	>4.0	34	1.7
26...	1.2	<.050	.05	.123	.041	.016	11	3.4	47	2.4
AUG										
05...	.97	<.050	--	.184	.028	<.010	7.1	>4.0	36	2.1
16...	.98	<.050	--	.130	.027	<.010	9.0	2.1	61	2.9

MOBILE RIVER BASIN

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
JAN										
05...	7.4	.3	14	2.5	17	32	.17	6.6	28	4.9
FEB										
08...	19	.7	20	5.6	33	41	.32	3.9	E5.9	4.2
MAR										
02...	9.5	.4	15	3.1	16	28	.24	4.8	31	4.4
08...	12	.4	16	2.8	19	34	.27	3.6	19	4.5
16...	9.0	.4	16	2.3	15	23	.22	4.0	20	4.2
23...	16	.5	16	3.3	30	55	.31	1.0	E7.3	<3.0
29...	13	.5	16	2.8	22	36	.26	1.8	18	E2.1
APR										
06...	10	.4	13	3.4	18	31	.24	1.4	42	E2.1
12...	16	.5	15	3.6	26	61	.31	1.7	E6.7	5.2
20...	17	.5	13	4.0	30	80	.30	2.4	<10	3.8
26...	9.7	.4	12	5.3	24	33	.24	6.4	15	E2.3
MAY										
05...	14	.5	16	3.9	31	48	.30	1.2	E7.6	<3.0
06...	3.6	.2	9	3.1	12	11	.23	3.6	22	<3.0
11...	21	.8	26	4.4	40	34	.33	1.4	<10	E2.9
18...	23	.9	27	4.4	45	53	.35	.32	<10	<3.0
24...	22	.8	25	4.4	40	78	.33	.52	<10	E2.1
JUN										
01...	7.0	.3	12	3.5	19	22	.19	8.0	E8.7	E1.8
08...	13	.5	18	4.3	32	43	.29	2.3	<10	<3.0
15...	6.2	.3	11	3.7	18	20	.27	6.9	E8.1	<3.0
22...	12	.5	21	4.5	24	35	.43	3.1	16	<3.0
28...	5.1	.2	11	2.8	9.9	11	.22	7.6	22	E2.7
JUL										
07...	2.2	.1	8	2.9	3.5	5.3	.21	4.4	21	<3.0
15...	12	.5	20	4.8	220	170	.31	3.6	17	<3.0
19...	21	.9	29	15	28	17	.13	4.2	<10	<3.0
26...	30	1	31	13	42	32	.30	2.6	<10	E1.6
AUG										
05...	16	.7	23	9.5	17	28	.45	2.5	<10	<3.0
16...	12	.4	14	8.9	14	77	<.10	2.4	12	18

MOBILE RIVER BASIN

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL--Continued
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PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)
FEB											
08...	<.0070	<.0020	--	.0812	<.0180	E.0376	<.0040	<.0030	<.0020	<.0060	--
MAR											
02...	<.0070	<.0020	<.130	.0188	<.0180	E.0285	<.0040	<.0030	<.0020	<.0060	<.0350
08...	<.0070	<.0020	<.0350	.0338	<.0180	E.0338	<.0040	<.0030	<.0020	<.0060	<.0350
16...	<.0070	<.0020	<.190	.0308	<.0180	E.0381	<.0040	<.0030	<.0020	<.0060	<.0350
23...	<.0070	<.0020	<.250	.0742	<.0180	E.0544	<.0040	<.0030	<.0020	<.0060	<.0350
29...	<.0070	<.0020	<.290	.0253	<.0180	E.0360	<.0040	<.0030	<.0020	<.0060	<.0350
APR											
06...	<.0070	<.0020	<.0350	.0157	<.0180	E.0355	<.0040	<.0030	<.0020	<.0060	<.0350
12...	<.0070	<.0020	--	.0202	<.0180	E.0261	<.0040	<.0030	<.0020	<.0060	--
26...	<.0070	<.0020	--	<.0050	<.0180	E1.72	<.0100	<.0030	<.0020	<.0060	--
MAY											
05...	<.0070	<.0020	--	.0550	<.0180	E1.83	1.03	<.0030	<.0020	<.0060	--
06...	<.0070	<.0020	--	<.0050	<.0180	E2.33	.0818	<.0030	<.0020	<.0060	--
11...	<.0070	<.0020	--	.0673	<.0180	E.582	.407	<.0030	<.0020	<.0060	--
18...	<.0070	<.0020	--	.0311	<.0180	E1.16	.258	<.0030	<.0020	<.0060	--
24...	<.0070	<.0020	--	.0251	<.0180	E1.29	.184	<.0030	<.0020	<.0060	--
JUN											
01...	<.0070	<.0020	--	.0774	<.0180	E1.91	.0828	<.0030	<.0020	<.0060	--
08...	<.0070	<.0020	--	.0392	<.0180	E1.65	.0773	<.0030	<.0020	<.0060	--
15...	<.0070	<.0020	--	.0142	<.0180	E.425	<.0200	<.0030	<.0020	<.0060	--
22...	<.0070	<.0020	--	.0250	<.0180	E.883	.0184	<.0030	<.0020	<.0060	--
28...	<.0070	<.0020	--	.0152	<.0180	E.443	E.338	<.0030	<.0020	<.0060	--
JUL											
07...	<.0070	<.0020	--	<.0050	<.0180	E.141	.241	<.0030	<.0020	<.0060	--
15...	<.0070	<.0020	--	.0324	<.0180	E.176	.561	<.0030	<.0020	<.0060	--
19...	<.0070	<.0020	--	.0288	<.0180	E.249	5.54	<.0030	<.0020	<.0060	--
26...	<.0070	<.0020	--	.0297	<.0180	E.173	.931	<.0030	<.0020	<.0060	--
AUG											
05...	<.0070	<.0020	--	.0157	<.0180	E.162	1.57	<.0030	<.0020	<.0060	--
16...	<.0070	<.0020	--	<.0050	<.0180	E.115	.905	<.0030	<.0020	<.0060	--
DATE	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)
FEB											
08...	--	--	--	--	--	--	--	--	--	<.0040	<.004
MAR											
02...	<.0180	<.170	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.370	<.0040	<.004
08...	<.0180	<.170	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.0180	<.0040	<.004
16...	<.0180	<.170	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.260	<.0040	<.004
23...	<.0180	<.170	<.170	<.0260	<.0350	<.0140	<.240	<.0350	<.0180	<.0040	<.004
29...	<.0180	<.170	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.270	<.0040	<.004
APR											
06...	<.0180	<.170	<.140	<.0260	<.0350	<.0140	<.240	<.0350	<.0180	<.0040	<.004
12...	--	--	--	--	--	--	--	--	--	<.0040	<.004
26...	--	--	--	--	--	--	--	--	--	.182	<.004
MAY											
05...	--	--	--	--	--	--	--	--	--	.0679	<.004
06...	--	--	--	--	--	--	--	--	--	.213	<.004
11...	--	--	--	--	--	--	--	--	--	.0318	<.004
18...	--	--	--	--	--	--	--	--	--	.0161	<.004
24...	--	--	--	--	--	--	--	--	--	<.0120	<.004
JUN											
01...	--	--	--	--	--	--	--	--	--	.0465	<.004
08...	--	--	--	--	--	--	--	--	--	.0093	<.004
15...	--	--	--	--	--	--	--	--	--	E.0148	<.004
22...	--	--	--	--	--	--	--	--	--	<.0040	<.004
28...	--	--	--	--	--	--	--	--	--	<.0100	<.004
JUL											
07...	--	--	--	--	--	--	--	--	--	.0208	<.004
15...	--	--	--	--	--	--	--	--	--	<.0040	<.004
19...	--	--	--	--	--	--	--	--	--	<.0040	<.004
26...	--	--	--	--	--	--	--	--	--	<.0040	<.004
AUG											
05...	--	--	--	--	--	--	--	--	--	<.0040	<.004
16...	--	--	--	--	--	--	--	--	--	<.0040	<.004

MOBILE RIVER BASIN

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PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, REC (UG/L) (39632)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4,5-T DIS- SOLVED (UG/L) (39742)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)
FEB											
08...	<.001	.013	<.005	<.004	<.002	.081	--	--	--	<.002	--
MAR											
02...	<.001	.019	<.005	<.004	<.002	.062	.100	<.0350	<.0210	<.002	<.250
08...	<.001	.015	<.005	<.004	<.002	.070	<.150	<.0350	<.0210	<.002	<.250
16...	<.001	.017	<.005	<.004	<.002	.059	<.150	<.0350	<.0210	<.002	<.250
23...	<.001	.008	<.005	<.004	<.002	.081	<.150	<.0350	<.0210	<.002	<.250
29...	<.001	.024	<.005	<.004	<.002	.195	E.120	<.0350	<.0210	<.002	<.250
APR											
06...	<.001	.020	<.005	<.004	<.002	.284	<.150	<.0350	<.0210	<.002	<.250
12...	<.001	.041	<.005	<.004	<.002	.272	--	<.0350	<.0210	<.002	--
26...	<.001	1.70	<.005	<.004	<.002	E180	--	--	--	<.002	--
MAY											
05...	<.001	.481	<.005	<.004	<.002	E28	--	--	--	<.002	--
06...	<.001	9.21	<.005	<.004	<.002	E200	--	--	--	<.002	--
11...	<.001	1.35	<.005	<.004	<.002	E25	--	--	--	<.002	--
18...	<.001	.788	<.005	<.004	<.002	9.49	--	--	--	<.002	--
24...	<.001	.488	<.005	<.004	<.032	5.22	--	--	--	<.002	--
JUN											
01...	<.001	1.80	<.005	<.004	<.002	E30	--	--	--	<.002	--
08...	<.001	1.18	<.005	<.004	<.010	8.40	--	--	--	<.002	--
15...	<.001	.544	<.005	<.004	<.002	2.55	--	--	--	<.002	--
22...	<.001	.365	<.005	<.004	<.002	2.50	--	--	--	<.002	--
28...	<.001	.345	<.005	<.004	<.002	1.38	--	--	--	<.002	--
JUL											
07...	<.001	.063	.025	<.004	<.002	.571	--	--	--	<.002	--
15...	<.001	.176	<.005	<.004	<.002	.673	--	--	--	<.002	--
19...	<.001	<.002	<.005	<.004	<.002	.624	--	--	--	<.002	--
26...	<.001	.071	<.005	<.004	<.002	.739	--	--	--	<.002	--
AUG											
05...	<.001	.066	.009	<.004	<.002	.674	--	--	--	<.002	--
16...	<.001	.068	.015	<.004	<.002	.500	--	--	--	<.002	--
DATE	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)
FEB											
08...	--	<.0020	--	--	--	--	--	--	--	--	--
MAR											
02...	<.0350	<.0020	<.0500	<.310	<.0240	<.0150	<.0170	<.0130	<.420	<.0200	<.0350
08...	<.0350	<.0020	<.0500	<.310	<.0240	<.0150	<.0170	<.0130	<.420	<.0200	<.0350
16...	<.0350	<.0020	<.0500	<.310	<.0240	<.0150	--	<.0500	<.420	.0400	<.0350
23...	<.0350	<.0020	<.0500	<.310	<.0240	<.0150	<.0170	<.0130	<.420	<.0200	<.0350
29...	<.0350	<.0020	<.0500	<.310	<.0240	<.0150	<.0170	<.0130	<.420	<.0200	<.0350
APR											
06...	<.0350	<.0020	<.0500	<.310	<.0240	<.0150	<.0170	<.0130	<.420	<.0200	<.0350
DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)
MAR											
02...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0800	<.120	<.0080	<.0350	<.550
08...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0140	<.120	<.0080	<.0350	<.550
16...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.180	<.120	<.0080	<.0350	<.550
23...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0140	<.120	<.0080	<.0350	<.550
29...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0140	<.120	<.0080	<.0350	<.550
APR											
06...	<.0320	<1.20	<.0170	<.230	<.480	<.420	<.0140	<.120	<.0080	<.0350	<.550
12...	--	<1.20	--	--	--	<.420	--	--	--	--	--

MOBILE RIVER BASIN

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PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
FEB											
08...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
MAR											
02...	<.100	<.0210	<.0350	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
08...	<.100	<.0210	<.0350	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
16...	<.100	<.0210	<.110	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
23...	<.280	<.0210	<.0350	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
29...	<.100	<.0210	<.0350	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
APR											
06...	<.100	<.0210	<.0350	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
12...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
26...	--	--	--	<.004	<.0030	.0208	<.0040	.0166	<.0070	<.0020	<.0060
MAY											
05...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
06...	--	--	--	<.004	<.0030	.0148	<.0040	<.0020	<.0070	<.0020	<.0060
11...	--	--	--	<.004	<.0030	E.0024	<.0040	<.0020	<.0070	<.0020	<.0060
18...	--	--	--	<.004	<.0030	E.0037	<.0040	<.0020	<.0070	<.0020	<.0060
24...	--	--	--	<.004	<.0030	E.0018	<.0040	<.0020	<.0070	<.0020	<.0060
JUN											
01...	--	--	--	.319	<.0030	.0243	<.0040	<.0020	<.0070	<.0020	<.0060
08...	--	--	--	.044	<.0030	E.0020	<.0040	<.0020	<.0070	<.0020	<.0060
15...	--	--	--	.061	<.0030	.0132	<.0040	<.0020	<.0070	<.0020	<.0060
22...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
28...	--	--	--	.010	<.0030	.0115	<.0040	<.0020	<.0070	<.0020	<.0060
JUL											
07...	--	--	--	<.004	<.0030	.0389	<.0040	<.0020	<.0070	<.0020	<.0060
15...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
19...	--	--	--	<.004	<.0030	E.0020	<.0040	<.0020	<.0070	<.0020	<.0060
26...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
AUG											
05...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060
16...	--	--	--	<.004	<.0030	<.0020	<.0040	<.0020	<.0070	<.0020	<.0060

MOBILE RIVER BASIN

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
FEB										
08...	<.0020	<.0040	E.0065	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
MAR										
02...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
08...	<.0020	<.0040	E.0069	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
16...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
23...	<.0020	<.0040	E.0055	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
29...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
APR										
06...	<.0020	<.0040	.0102	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
12...	<.0020	<.0040	.0108	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
26...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
MAY										
05...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
06...	<.0020	<.0040	<.0100	.0284	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
11...	<.0020	<.0040	.0159	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
18...	<.0020	<.0040	.0134	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
24...	<.0020	<.0040	E.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
JUN										
01...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
08...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
15...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
22...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
28...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
JUL										
07...	<.0200	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
15...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
19...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
26...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
AUG										
05...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170
16...	<.0020	<.0040	<.0100	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170

MOBILE RIVER BASIN

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
FEB										
08...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
MAR										
02...	<.0010	<.0040	E.0038	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
08...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
16...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
23...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
29...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
APR										
06...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
12...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
26...	<.0010	<.0040	<.0030	<.0020	<.0020	.0859	<.0030	<.0130	<.0010	<.0050
MAY										
05...	<.0010	<.0040	<.0030	<.0020	<.0020	.0141	<.0030	<.0130	<.0010	<.0050
06...	<.0010	<.0040	E.0069	<.0020	<.0020	.0692	<.0030	<.0130	<.0010	<.0050
11...	<.0010	<.0040	<.0030	<.0020	<.0020	.0102	<.0030	<.0130	<.0010	<.0050
18...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0100	<.0030	<.0700	<.0010	<.0050
24...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.130	<.0010	<.0050
JUN										
01...	<.0010	<.0040	<.0030	<.0020	<.0020	.0419	<.0030	<.100	<.0010	<.0050
08...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
15...	<.0010	<.0040	<.0030	<.0020	<.0020	.0310	<.0030	<.0900	<.0010	<.0050
22...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0500	<.0010	<.0050
28...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0200	<.0050
JUL										
07...	<.0010	<.0040	E.0051	<.0020	<.0020	.0267	<.0030	<.0130	<.0010	<.0050
15...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
19...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	--	<.0010	<.0050
26...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
AUG										
05...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
16...	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0300

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN					
05...	1100	66	108	19	52
FEB					
08...	1045	8.1	64	1.4	70
MAR					
02...	1030	11	102	2.9	99
08...	1030	9.3	50	1.3	98
16...	1030	39	97	10	97
23...	1000	4.5	15	.18	79
29...	1030	8.2	18	.40	88
APR					
06...	1045	8.9	4	.10	83
12...	1200	2.3	5	.03	95
20...	1100	1.8	4	.02	94
26...	1050	11	35	1.0	99
MAY					
05...	1100	1.5	3	.01	96
06...	0915	1100	756	2250	93
11...	1200	2.3	8	.05	92
18...	0930	.41	6	.01	55
24...	1000	.13	5	.00	59
JUN					
01...	1140	58	243	38	98
08...	0930	.10	4	.00	59

MOBILE RIVER BASIN

02444500 TOMBIGBEE RIVER NEAR COCHRANE, AL

LOCATION.--Lat 33°04'52", long 88°14'16", in NW¹/₄ sec. 7, T. 24 N., R. 2 W., Pickens County, Hydrologic Unit 03160106, near left bank on downstream side of bridge on State Highway 17, 1.2 mi northeast of Cochrane, 2.2 mi downstream from Boguechitto Creek, 7 mi southwest of Aliceville, and at mile 271.4.

DRAINAGE AREA.--5,940 mi².

PERIOD OF RECORD.--October 1938 to March 1978. April 1978 to September 1978 (high-water discharge only). October 1981 to current year (gage heights only). Monthly discharge only for period October to December 1938, published in WSP 1304. Gage-height records collected at same site from November 1909 to September 1924 are contained in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 89.85 ft above sea level. Prior to July 10, 1939, nonrecording gage at site 200 ft downstream at same datum. Jan. 30, 1940 to September 1978, auxiliary water-stage recorder or nonrecording gage 14 mi downstream from base gage at datum 7.76 ft lower.

REMARKS.--Records good. Records since Jan. 16, 1985 include diversions from Tennessee River basin through Bay Springs lock on Tennessee Tombigbee Waterway.

AVERAGE DISCHARGE.--39 years (water years 1939-77), 8,655 ft³/s, 19.62 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 166,000 ft³/s, Mar. 21, 1973; maximum gage height, 47.37 ft, Mar. 21, 1973; minimum discharge, 165 ft³/s, September 21, 1954; gage height, 2.34 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1892 reached a stage of 50.2 ft, present datum (discharge not determined), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 33.95 ft, Jan. 26; minimum gage height, 18.85 ft, Nov. 15.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.30	19.56	19.73	21.81	33.39	21.05	20.04	20.06	19.55	22.48	19.55	19.41
2	19.33	19.58	19.42	21.30	32.20	20.34	20.00	19.83	19.66	20.82	19.49	19.41
3	19.42	19.68	19.56	23.64	28.31	22.74	20.03	19.79	19.65	20.17	19.49	19.40
4	19.71	19.48	19.44	22.38	24.62	24.29	20.38	19.72	19.62	19.68	19.52	19.40
5	19.63	19.48	19.55	21.23	22.06	22.24	21.40	19.75	19.66	19.72	19.59	19.40
6	19.46	19.49	19.60	21.00	20.99	21.99	20.84	22.06	19.70	19.53	19.61	19.40
7	19.68	19.53	19.62	20.40	20.55	23.12	21.45	24.07	19.67	19.97	19.41	19.42
8	19.34	19.66	19.64	20.26	20.34	21.44	20.66	22.55	19.57	19.91	19.41	19.43
9	19.41	19.49	19.51	22.43	20.09	22.28	20.67	23.14	19.65	19.97	19.46	19.52
10	19.53	19.76	19.65	24.36	20.43	23.61	20.26	22.30	19.68	19.74	19.52	19.34
11	19.64	19.52	19.78	22.33	21.16	21.90	19.83	20.32	19.63	19.78	19.53	19.33
12	19.49	19.50	20.30	22.09	20.56	21.40	19.70	19.93	19.59	20.36	19.65	19.36
13	19.60	19.55	23.54	21.93	20.70	21.26	19.74	19.78	19.58	19.80	19.49	19.36
14	19.48	19.70	22.74	21.22	20.14	25.14	19.66	19.63	19.69	19.78	19.38	19.35
15	19.39	19.72	21.16	21.79	19.85	26.05	20.46	19.64	19.72	19.57	19.36	19.34
16	19.47	19.71	21.61	20.59	20.00	24.38	20.65	19.71	19.54	19.67	19.35	19.35
17	19.54	19.70	21.15	20.50	20.00	24.04	20.41	19.63	19.61	19.55	19.34	19.37
18	19.66	19.64	19.82	20.69	20.61	22.60	20.07	19.55	19.59	19.58	19.34	19.38
19	19.62	19.60	19.80	20.50	20.45	21.09	19.78	19.62	19.60	19.60	19.29	19.37
20	19.57	19.56	19.62	20.16	20.23	20.53	19.77	19.72	19.64	19.64	19.25	19.37
21	19.53	19.55	19.73	20.20	20.02	20.35	19.64	19.70	19.60	19.50	19.30	19.37
22	19.52	19.60	19.87	20.27	19.83	20.29	19.68	19.63	19.57	19.51	19.30	19.34
23	19.39	19.62	20.18	27.64	19.94	20.15	19.70	19.66	19.61	19.52	19.31	19.34
24	19.41	19.53	22.68	32.57	19.62	20.02	19.85	19.64	20.15	19.55	19.30	19.33
25	19.44	19.60	24.54	33.67	19.79	20.20	23.02	19.59	21.00	19.58	19.36	19.30
26	19.47	19.66	22.21	33.84	19.73	20.07	22.45	19.52	21.77	19.58	19.37	19.29
27	19.54	19.67	22.06	32.53	19.83	19.92	22.82	19.59	22.00	19.56	19.37	19.40
28	19.58	19.52	22.87	26.69	20.97	19.91	22.00	19.56	22.60	19.56	19.40	19.45
29	19.41	19.68	25.92	22.55	---	19.77	21.50	19.66	20.91	19.53	19.41	19.61
30	19.59	19.63	23.50	27.11	---	19.91	20.85	19.58	21.87	19.62	19.44	19.20
31	19.54	---	22.24	31.69	---	19.83	---	19.52	---	19.45	19.44	---
MEAN	19.51	19.60	21.00	23.85	21.66	21.67	20.58	20.21	20.06	19.82	19.42	19.38
MAX	19.71	19.76	25.92	33.84	33.39	26.05	23.02	24.07	22.60	22.48	19.65	19.61
MIN	19.30	19.48	19.42	20.16	19.62	19.77	19.64	19.52	19.54	19.45	19.25	19.20
CAL YR 1998	MEAN 20.53		MAX 33.70		MIN 19.16							
WTR YR 1999	MEAN 20.56		MAX 33.84		MIN 19.20							

MOBILE RIVER BASIN

02446500 SIPSEY RIVER NEAR ELROD, AL

LOCATION.--Lat 33°15'25", long 87°46'35", in NE¹/₄ 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.

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 97.81 ft above sea level. 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. U.S. Army Corps of Engineers telemeter at 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	74	158	2470	6040	997	864	632	209	1530	124	60
2	78	75	154	2460	6360	1000	851	676	311	1640	113	58
3	81	84	150	3010	5710	1300	859	650	735	1280	107	56
4	94	89	148	2630	6030	1480	895	565	527	1000	101	55
5	89	88	146	1960	5040	1360	955	475	388	681	95	55
6	82	89	145	1520	3840	1350	990	614	318	414	90	57
7	101	89	143	1420	3010	1420	971	714	250	305	85	60
8	173	99	162	1610	2410	1520	938	668	221	310	82	67
9	185	137	186	2120	1950	1610	926	714	259	346	80	98
10	186	202	185	2100	1610	1580	928	788	263	401	78	95
11	158	326	235	1700	1360	1510	968	883	232	482	80	82
12	134	335	387	1400	1240	1500	1000	1050	198	547	95	90
13	119	330	468	1320	1110	1610	1020	1340	192	510	105	93
14	113	366	521	1350	1010	2840	970	1280	196	496	117	76
15	99	466	548	1680	962	2710	893	972	269	515	100	67
16	94	431	588	1850	884	2040	761	676	299	447	85	60
17	91	405	639	1600	868	1760	658	522	285	429	80	57
18	86	378	600	1400	882	1940	686	438	253	420	78	56
19	84	364	469	1360	799	2460	783	373	237	335	72	55
20	84	317	402	1340	765	2270	890	330	206	255	69	54
21	79	266	375	1290	792	1930	1000	284	172	213	67	54
22	77	230	377	1190	862	1550	1010	265	152	190	64	52
23	76	210	428	2020	949	1310	873	273	139	172	63	51
24	74	197	830	2800	999	1160	665	280	155	158	63	50
25	73	189	1110	2300	974	1120	553	257	360	246	62	50
26	75	185	1150	9170	871	1100	494	240	664	229	65	51
27	75	186	1250	10500	786	991	475	230	890	187	66	67
28	74	181	1530	6250	949	888	491	217	1030	182	66	64
29	77	171	3100	4430	---	793	504	204	1240	167	66	70
30	76	164	3550	4770	---	721	565	197	1350	154	64	79
31	75	---	2930	6390	---	736	---	196	---	137	62	---
TOTAL	3043	6723	23064	87410	59062	46556	24436	17003	12000	14378	2544	1939
MEAN	98.2	224	744	2820	2109	1502	815	548	400	464	82.1	64.6
MAX	186	466	3550	10500	6360	2840	1020	1340	1350	1640	124	98
MIN	73	74	143	1190	765	721	475	196	139	137	62	50
CFSM	.19	.42	1.41	5.34	3.99	2.84	1.54	1.04	.76	.88	.16	.12
IN.	.21	.47	1.62	6.16	4.16	3.28	1.72	1.20	.85	1.01	.18	.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1999, BY WATER YEAR (WY)

MEAN	161	445	941	1443	1759	1720	1469	813	359	311	205	182
MAX	520	3163	3955	4048	4813	4390	4163	4902	2177	2026	1030	1307
(WY)	1990	1930	1984	1949	1990	1980	1979	1991	1997	1940	1941	1950
MIN	25.2	69.3	126	133	601	416	239	130	65.6	49.6	28.4	26.6
(WY)	1955	1954	1944	1956	1968	1988	1986	1941	1941	1954	1954	1954

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1928 - 1999

ANNUAL TOTAL	338970		298158			
ANNUAL MEAN	929		817		809	
HIGHEST ANNUAL MEAN					1621	1991
LOWEST ANNUAL MEAN					282	1988
HIGHEST DAILY MEAN	10500	Jan 11	10500	Jan 27	23500	Feb 23 1961
LOWEST DAILY MEAN	73	Oct 25	50	Sep 24, 25	13	Sep 19 1954
ANNUAL SEVEN-DAY MINIMUM	75	Oct 22	52	Sep 20	15	Sep 14 1954
INSTANTANEOUS PEAK FLOW			14000	Jan 26	27800	Feb 23 1961
INSTANTANEOUS PEAK STAGE			16.34	Jan 26	18.83	Feb 23 1961
ANNUAL RUNOFF (CFSM)	1.76		1.55		1.53	
ANNUAL RUNOFF (INCHES)	23.88		21.01		20.83	
10 PERCENT EXCEEDS	2430		1800		1970	
50 PERCENT EXCEEDS	385		378		375	
90 PERCENT EXCEEDS	90		73		76	

MOBILE RIVER BASIN

02447025 TOMBIGBEE RIVER AT HEFLIN LOCK AND DAM NEAR GAINESVILLE, AL

LOCATION.--Lat 32°50'53", long 88°09'22", in NE¹/₄ sec. 35, 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. WDR AL-91-1: 1979, 1983, 1984.

GAGE.--Water-stage recorder. Datum of gage is 65.00 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: Aug. 17, 18. Records good. Records since Jan. 16, 1985 include diversions from Tennessee River basin through Bay Springs lock on Tennessee Tombigbee Waterway.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	522	774	2830	23600	109000	19000	10100	9680	3700	30000	1390	650
2	421	816	1140	21100	106000	12800	8920	6390	3650	18700	1050	489
3	594	1580	2090	34600	74900	28100	9340	5110	3590	11400	748	543
4	3640	1180	657	29100	47400	40300	12200	4700	3890	6220	665	612
5	1870	754	698	20600	30000	27300	20700	4520	3710	3640	899	692
6	1030	759	2500	18900	22000	24900	15800	21300	2570	4510	1480	574
7	3590	765	1720	14700	18000	32500	21300	38100	3910	7630	905	586
8	685	3080	3230	12200	15200	21100	14900	28000	845	7820	615	584
9	624	671	1350	25200	11300	25900	15100	30700	2060	8570	641	1970
10	1170	3940	3370	40800	14000	35500	11100	27300	2860	5980	685	546
11	2400	2310	5870	27900	19700	25300	6630	12200	2090	4860	654	585
12	750	750	10100	25500	14800	21100	6270	8470	1980	11800	1050	610
13	849	2920	31900	24500	15300	20100	5550	6990	2460	7520	1250	578
14	2150	4880	31200	19900	10200	43600	4310	4460	3740	7360	599	603
15	652	6300	18000	23100	8720	52800	11900	4340	5440	3310	499	643
16	726	3750	21700	14500	7810	42100	15000	4800	2030	3600	630	608
17	962	4140	19500	14200	9190	39100	11900	4920	3710	2940	e482	522
18	910	2330	6660	15100	14200	30300	9350	4530	2760	1740	e484	607
19	1340	4500	6150	13500	12700	19900	6060	1980	1590	1890	446	577
20	1340	1050	4060	11000	11400	14400	6100	2990	1910	2770	544	678
21	732	2000	4860	11100	9730	12800	3640	2430	1300	1340	518	592
22	1980	2220	8620	11400	7910	12700	4270	3140	1130	2120	490	591
23	615	1540	9700	62900	7710	11200	5330	3440	1450	1080	454	543
24	635	2100	27200	94100	5630	9510	5270	2390	9670	1560	455	499
25	613	1730	42300	93600	7340	12100	28600	3220	16400	1700	535	630
26	674	839	26500	88700	5340	11900	28700	2310	23300	1830	649	630
27	740	2220	24500	88400	7280	9560	28500	3530	24800	3210	662	606
28	1090	1330	28500	50800	16300	7870	25500	765	31000	851	536	598
29	1090	1200	48900	32300	---	7600	21400	2200	19000	1720	544	1890
30	1060	1160	35700	64200	---	8690	16900	4530	22600	2540	648	1330
31	826	---	26000	94900	---	7870	---	1700	---	1300	721	---
TOTAL	36280	63588	457505	1122400	639060	687900	390640	261135	209145	171511	21928	21166
MEAN	1170	2120	14760	36210	22820	22190	13020	8424	6972	5533	707	706
MAX	3640	6300	48900	94900	109000	52800	28700	38100	31000	30000	1480	1970
MIN	421	671	657	11000	5340	7600	3640	765	845	851	446	489
CFSM	.16	.29	2.04	5.01	3.16	3.07	1.80	1.17	.96	.77	.10	.10
IN.	.19	.33	2.35	5.78	3.29	3.54	2.01	1.34	1.08	.88	.11	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1999, BY WATER YEAR (WY)

	MEAN	2799	6555	16270	21420	22990	23380	20920	15420	7988	4510	2342	2356
MAX	7226	17800	52060	38290	55070	60760	60770	85110	34660	17460	4726	16710	
(WY)	1990	1980	1984	1989	1990	1980	1983	1991	1997	1989	1998	1979	
MIN	495	846	2782	2481	7126	6236	2537	1665	757	1136	705	469	
(WY)	1979	1982	1982	1981	1986	1988	1986	1992	1988	1988	1987	1978	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1978 - 1999
ANNUAL TOTAL	4189303	4082258	
ANNUAL MEAN	11480	11180	12230
HIGHEST ANNUAL MEAN			24850
LOWEST ANNUAL MEAN			3814
HIGHEST DAILY MEAN	115000	109000	190000
LOWEST DAILY MEAN	420	421	93
ANNUAL SEVEN-DAY MINIMUM	755	484	200
INSTANTANEOUS PEAK FLOW		112000	190000
INSTANTANEOUS PEAK STAGE		46.10	55.74
ANNUAL RUNOFF (CFSM)	1.59	1.55	1.69
ANNUAL RUNOFF (INCHES)	21.55	21.00	22.98
10 PERCENT EXCEEDS	30700	28500	30600
50 PERCENT EXCEEDS	4860	4140	4980
90 PERCENT EXCEEDS	750	611	780

e Estimated

MOBILE RIVER BASIN

02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32°55'57", long 88°17'52", in NE¹/₄ 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.

PERIOD OF RECORD.--March 1939 to September 1940, August 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 sea level. 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 site on old river channel 1 mi south at same datum. June 6, 1949 to Sept. 30, 1984, at site on old river channel 1 mi south at same datum.

REMARKS.--Estimated daily discharges: May 14-29, June 2, 3. Records good except those estimated, which are fair. Discharge includes flow of old river channel at bridge on State Highway 17, 1 mi south of gage. 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	78	93	1640	17000	2100	1320	447	283	872	148	87
2	73	79	92	1660	18100	1630	1090	370	e200	493	138	78
3	73	81	90	3220	18500	3970	877	304	e170	305	134	72
4	71	82	90	3530	16000	5150	751	265	173	220	129	69
5	70	87	91	2440	13300	4160	859	251	157	179	116	70
6	73	96	92	1600	11200	3120	1380	582	140	153	104	74
7	83	86	88	1510	9150	2510	1370	626	126	174	98	80
8	82	85	86	1640	5400	2270	1330	377	117	1740	95	100
9	78	87	85	2880	1340	2590	1230	390	125	849	90	96
10	75	98	106	4220	905	3110	964	447	140	338	92	142
11	76	125	183	3430	789	2650	703	378	121	406	87	125
12	77	145	430	2230	701	1960	548	311	105	306	97	112
13	86	160	1370	1730	624	2460	460	285	100	285	101	87
14	90	154	1190	1620	560	6200	403	e240	112	207	89	76
15	90	140	648	1970	507	6880	389	e210	526	162	88	88
16	89	152	439	1880	472	6210	442	e200	445	166	113	100
17	89	160	375	1280	462	4700	492	e190	284	186	103	94
18	89	139	299	945	503	2660	544	e170	176	164	91	88
19	90	132	235	963	536	2040	698	e160	136	142	84	78
20	88	117	197	958	555	1700	595	e150	132	169	81	68
21	84	115	187	787	629	1200	449	e140	129	181	78	67
22	82	107	185	889	736	967	372	e130	113	170	76	66
23	80	103	183	5400	739	819	329	e120	104	176	76	66
24	79	108	1770	7770	654	686	306	e200	107	164	74	66
25	86	103	4030	8110	571	1620	688	e170	120	144	75	66
26	83	102	3090	8360	512	3870	908	e150	199	137	73	65
27	82	97	1530	8330	479	2640	615	e140	365	135	74	67
28	82	98	1600	7390	1440	1440	556	e130	1680	249	87	71
29	83	97	3540	5340	---	1140	612	e130	1920	281	81	76
30	82	94	3660	8830	---	971	557	e180	840	213	79	74
31	81	---	2520	15400	---	1090	---	e220	---	176	88	---
TOTAL	2518	3307	28574	117952	122364	84513	21837	8063	9345	9542	2939	2468
MEAN	81.2	110	922	3805	4370	2726	728	260	312	308	94.8	82.3
MAX	90	160	4030	15400	18500	6880	1380	626	1920	1740	148	142
MIN	70	78	85	787	462	686	306	120	100	135	73	65
CFSM	.07	.10	.84	3.47	3.98	2.49	.66	.24	.28	.28	.09	.07
IN.	.09	.11	.97	4.00	4.15	2.87	.74	.27	.32	.32	.10	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

MEAN	264	612	1668	3031	3545	3444	3151	1437	597	644	315	294
MAX	2515	2958	9407	9782	9415	9230	17520	10340	2794	7432	2064	3067
(WY)	1976	1958	1962	1949	1983	1980	1979	1991	1997	1940	1946	1950
MIN	31.0	49.5	105	91.1	527	542	180	107	61.3	62.8	34.1	27.5
(WY)	1955	1955	1963	1956	1963	1967	1963	1965	1988	1952	1954	1954

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1939 - 1999

ANNUAL TOTAL	500551	413422	1572
ANNUAL MEAN	1371	1133	3967
HIGHEST ANNUAL MEAN			1983
LOWEST ANNUAL MEAN			327
HIGHEST DAILY MEAN	19000	18500	136000
LOWEST DAILY MEAN	70	65	22
ANNUAL SEVEN-DAY MINIMUM	72	66	23
INSTANTANEOUS PEAK FLOW		19200	156000
INSTANTANEOUS PEAK STAGE		38.69	48.58
ANNUAL RUNOFF (CFSM)	1.25	1.03	1.43
ANNUAL RUNOFF (INCHES)	16.97	14.02	19.47
10 PERCENT EXCEEDS	4600	2750	4900
50 PERCENT EXCEEDS	261	185	356
90 PERCENT EXCEEDS	82	79	76

e Estimated

MOBILE RIVER BASIN

02448900 BODKA CREEK NEAR GEIGER, AL

LOCATION.--Lat 32°48'25", long 88°18'43", in SE¹/₄ sec. 8, T. 21 N., R. 3 E., Sumter County, Hydrologic Unit 03160108, at right bank on downstream side of State Highway 17, 1.6 mi downstream from Tifallili Creek, 4.2 mi north of Geiger, and 9.2 mi upstream from mouth.

DRAINAGE AREA.--158 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 104.78 ft above sea level.

REMARKS.--No estimated daily discharges. Records good except those below 5 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.19	.05	.00	37	7730	224	477	4.5	31	.73	.15	.00
2	.17	.08	.14	85	1720	130	241	3.6	15	.69	.11	.00
3	.15	.10	.21	280	557	1610	138	5.2	17	.66	.06	.00
4	.12	.09	.22	140	271	901	92	4.8	13	.62	.04	.01
5	.10	.09	.24	67	164	282	66	3.6	4.0	.58	.08	.05
6	.10	.08	.27	45	118	208	50	45	2.3	.53	.08	.05
7	.31	.06	.30	44	90	179	38	22	1.3	.47	.06	.11
8	.21	.12	.32	82	67	114	33	7.4	1.0	.46	.08	.16
9	.15	.17	.48	266	51	463	27	4.4	.94	.50	.17	.18
10	.09	.28	.57	268	41	402	20	3.1	1.1	.49	.90	.16
11	.05	.45	7.1	141	35	192	16	2.1	.94	.48	3.3	.15
12	.01	1.6	69	86	32	115	12	2.6	1.1	.42	1.2	.14
13	.00	1.7	36	64	26	972	9.4	3.2	1.2	.36	.48	.12
14	.00	1.5	25	47	21	4490	8.6	3.1	1.2	.28	.25	.13
15	.00	1.4	12	54	18	1800	22	2.3	1.2	.15	.17	.11
16	.00	1.2	6.6	45	16	340	13	1.6	1.2	11	.13	.11
17	.00	.94	4.2	36	23	190	9.0	2.6	1.1	7.6	.06	.10
18	.01	.80	3.2	31	120	125	6.8	3.3	1.1	.91	.04	.09
19	.04	.80	3.1	27	87	82	5.9	3.2	.84	.52	.05	.07
20	.06	.81	2.3	25	64	60	5.3	3.0	.63	.37	.04	.04
21	.07	.74	3.5	19	46	107	6.0	3.3	.89	.43	.00	.03
22	.07	.65	3.3	102	36	87	4.8	4.0	.96	.44	.00	.00
23	.06	.50	4.8	2480	29	58	4.2	4.0	.93	.56	.00	.00
24	.06	.41	459	1410	27	47	3.8	4.3	.90	18	.04	.00
25	.06	.31	293	342	23	1240	5.0	4.0	.88	4.0	.09	.00
26	.06	.26	101	177	20	1220	4.8	3.6	.88	2.3	.09	.00
27	.06	.18	53	107	23	320	5.1	3.4	.91	1.3	.11	.00
28	.06	.10	215	75	324	160	9.6	2.8	1.0	.92	.13	.00
29	.06	.08	298	237	---	99	5.9	69	.86	.52	.11	.00
30	.06	.06	124	5620	---	94	5.6	81	.78	.37	.09	.00
31	.05	---	59	13500	---	501	---	40	---	.23	.01	---
TOTAL	2.43	15.61	1784.85	25939	11779	16812	1344.8	350.0	106.14	56.89	8.12	1.81
MEAN	.078	.52	57.6	837	421	542	44.8	11.3	3.54	1.84	.26	.060
MAX	.31	1.7	459	13500	7730	4490	477	81	31	18	3.3	.18
MIN	.00	.05	.00	19	16	47	3.8	1.6	.63	.15	.00	.00
CFSM	.00	.00	.36	5.30	2.66	3.43	.28	.07	.02	.01	.00	.00
IN.	.00	.00	.42	6.11	2.77	3.96	.32	.08	.02	.01	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1999, BY WATER YEAR (WY)

	MEAN	10.7	88.7	205	625	575	496	373	193	80.0	34.4	39.7	2.60
MAX	49.6	335	550	1561	983	867	938	1296	377	184	150	10.6	
(WY)	1996	1993	1998	1998	1991	1996	1991	1991	1997	1994	1992	1992	
MIN	.000	.19	39.4	125	396	48.7	44.8	3.95	3.10	.33	.26	.060	
(WY)	1991	1991	1992	1991	1992	1992	1999	1994	1998	1995	1999	1999	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1991 - 1999
ANNUAL TOTAL	89810.18	58200.65	
ANNUAL MEAN	246	159	
HIGHEST ANNUAL MEAN			225
LOWEST ANNUAL MEAN			338
HIGHEST DAILY MEAN	16000	13500	98.2
LOWEST DAILY MEAN	.00	.00	16000
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
INSTANTANEOUS PEAK FLOW		14800	21900
INSTANTANEOUS PEAK STAGE		22.87	24.20
ANNUAL RUNOFF (CFSM)	1.56	1.01	1.43
ANNUAL RUNOFF (INCHES)	21.15	13.70	19.37
10 PERCENT EXCEEDS	437	191	464
50 PERCENT EXCEEDS	5.2	2.1	16
90 PERCENT EXCEEDS	.11	.05	.23

MOBILE RIVER BASIN

02449840 DUCK RIVER NEAR BERLIN, AL

LOCATION.--Lat 34°10'19", long 86°41'42", in NE¹/₄ sec. 13, T. 10 S., R. 2 W., Cullman County, Hydrologic Unit 03160110, on left bank 200 ft downstream of U.S. Highway 278, 2.8 mi east of Berlin.

DRAINAGE AREA.--37.1 mi².

PERIOD OF RECORD.--Nov. 29, 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 600 ft above sea level (from topographic map).

REMARKS.--Records good. Missing data are due to equipment malfunctions for the periods Nov. 6 to Dec. 10, and July 28 to Aug. 4.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.35 ft, Jan. 7, 1998; minimum, 1.67 ft, Sept. 25-30, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.58 ft, Jan. 23; minimum, not determined, stream has periods of no flow.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.06	2.19	---	3.63	5.03	4.49	4.78	4.02	4.23	4.48	---	2.21
2	2.03	2.24	---	3.89	4.86	4.44	4.64	3.97	4.07	4.37	---	2.19
3	2.01	2.29	---	4.18	4.72	4.86	4.54	3.93	4.05	4.35	---	2.16
4	2.00	2.26	---	3.88	4.61	4.69	4.49	3.90	3.98	4.21	---	2.14
5	1.98	2.24	---	3.74	4.52	4.58	4.42	3.90	5.32	4.12	2.88	2.12
6	1.97	---	---	3.66	4.47	4.83	5.14	5.31	4.59	4.05	2.82	2.09
7	2.14	---	---	3.61	4.46	4.69	4.82	4.66	4.35	4.04	2.75	2.07
8	2.33	---	---	3.66	4.39	4.59	4.65	4.42	4.21	4.08	2.67	2.05
9	2.18	---	---	3.98	4.34	4.76	4.54	4.29	4.11	3.98	2.60	2.05
10	2.15	---	---	3.87	5.06	4.60	4.44	4.20	4.04	3.92	2.56	2.04
11	2.17	---	4.15	3.76	4.73	4.53	4.36	4.12	3.98	3.95	2.54	2.02
12	2.16	---	4.13	3.69	4.62	4.46	4.26	4.06	3.95	4.25	2.53	2.00
13	2.18	---	4.20	3.63	4.52	4.64	4.21	4.07	3.90	4.13	2.61	1.99
14	2.18	---	4.16	4.22	4.44	5.08	4.17	4.06	3.88	4.01	2.89	1.98
15	2.17	---	4.03	4.38	4.39	4.85	4.72	3.96	3.93	3.94	2.79	1.95
16	2.18	---	3.98	4.07	4.35	4.70	4.48	3.91	3.88	3.89	2.61	1.93
17	2.22	---	3.94	3.91	5.01	4.61	4.35	3.86	3.82	3.85	2.52	1.90
18	2.27	---	3.91	4.06	5.04	4.53	4.27	3.87	3.76	3.81	2.47	1.88
19	2.29	---	3.91	3.90	4.86	4.45	4.22	3.91	3.71	3.77	2.43	1.86
20	2.27	---	4.01	3.81	4.70	4.41	4.17	3.82	3.68	3.74	2.39	1.86
21	2.25	---	3.99	3.74	4.59	4.70	4.12	3.77	3.65	4.11	2.36	1.88
22	2.23	---	4.42	3.82	4.51	4.51	4.07	3.74	3.63	3.87	2.34	1.85
23	2.22	---	4.38	6.74	4.46	4.45	4.02	3.79	3.63	3.78	2.32	1.83
24	2.23	---	---	5.12	4.41	4.41	3.99	3.93	3.83	3.73	2.33	---
25	2.24	---	3.98	4.89	4.36	4.36	3.96	3.77	4.06	3.72	2.32	---
26	2.24	---	3.81	4.73	4.31	4.29	3.99	3.73	3.87	3.69	2.30	---
27	2.24	---	3.67	4.63	4.33	4.24	4.19	3.72	4.68	3.64	2.28	---
28	2.24	---	4.31	4.55	4.69	4.21	4.32	3.67	5.38	---	2.27	---
29	2.23	---	4.11	4.49	---	4.33	4.15	3.63	4.94	---	2.26	---
30	2.22	---	3.85	4.64	---	4.29	4.08	3.61	4.64	---	2.25	---
31	2.20	---	3.72	5.30	---	4.59	---	3.99	---	---	2.23	---
MEAN	2.18	---	---	4.20	4.60	4.55	4.35	3.99	4.12	---	---	---
MAX	2.33	---	---	6.74	5.06	5.08	5.14	5.31	5.38	---	---	---
MIN	1.97	---	---	3.61	4.31	4.21	3.96	3.61	3.63	---	---	---

MOBILE RIVER BASIN

02449882 BLUE SPRINGS CREEK NEAR BLOUNTSVILLE, AL

LOCATION.--Lat 34°04'47", long 86°36'28", NE 1/4 sec. 14, T. 11 S., R. 1 W., Blount County, Hydrologic Unit 03160109, on left bank 300 feet above sewage treatment plant outfall, 1 mi southwest of Blountsville.

DRAINAGE AREA.--13.0 mi².

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

REVISED RECORD.--WDR AL-95-1: 1993, 1994.

GAGE.--Water-stage recorder. Datum of gage is 650 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 10-31, Nov. 19 to Dec. 7, 24, May 6, June 3-8, 10-14, 17-22, Aug. 13-16, 25-30. Records good except those of estimated period, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.44	.38	e.42	11	69	31	47	8.7	8.9	28	2.9	.96
2	.37	.45	e.42	25	50	28	35	7.6	7.3	21	2.7	.78
3	.36	.50	e.41	25	37	61	27	6.9	e12	17	2.2	.78
4	.38	.43	e.42	18	30	40	22	6.3	e10	14	2.2	.84
5	.36	.43	e.43	14	24	32	20	6.2	e20	12	2.1	.79
6	.37	.43	e.44	13	21	45	42	e300	e10	10	2.0	.78
7	.49	.43	e.55	12	20	30	28	43	e10	9.6	2.0	.74
8	.61	.50	2.0	13	17	26	25	27	e9.0	8.8	2.1	.74
9	.52	.52	1.0	30	17	40	22	20	7.4	7.9	1.8	.89
10	e.49	.53	.78	20	47	27	19	17	e6.5	7.9	1.9	.77
11	e.46	.58	1.8	18	25	24	16	14	e6.0	12	1.9	.63
12	e.43	.49	2.9	16	22	21	14	13	e5.5	13	1.8	.64
13	e.40	.44	2.7	14	19	33	13	13	e5.3	9.5	e1.8	1.4
14	e.38	.55	1.8	29	17	48	11	12	e5.5	7.8	e2.0	1.3
15	e.36	.53	1.5	31	16	38	34	9.9	6.1	7.1	e1.6	1.2
16	e.35	.44	1.4	22	14	31	17	8.8	9.8	6.4	e1.2	.96
17	e.34	.51	1.3	18	54	25	15	8.2	e7.0	6.0	1.7	.63
18	e.33	.52	1.0	27	54	21	13	11	e5.0	6.3	1.4	.64
19	e.45	e.60	2.1	18	48	18	12	9.4	e4.5	5.8	1.3	.64
20	e.60	e.58	1.7	16	34	20	11	7.9	e4.0	5.0	1.2	.69
21	e.42	e.52	1.4	14	27	34	10	7.1	e3.9	4.9	1.2	.91
22	e.40	e.51	4.7	17	22	21	9.4	6.8	e3.8	4.2	1.1	.64
23	e.38	e.50	8.4	699	20	19	8.7	7.6	3.7	3.7	1.1	.63
24	e.38	e.50	e80	144	18	18	8.0	7.8	5.8	3.7	1.2	.60
25	e.36	e.49	22	59	17	17	7.6	6.5	24	3.5	e1.6	.52
26	e.40	e.48	14	37	15	15	9.1	6.3	11	3.3	e1.3	.46
27	e.55	e.40	11	30	39	14	21	5.6	67	3.1	e1.0	.63
28	e.50	e.50	37	24	46	13	15	5.3	397	2.9	e.85	.57
29	e.45	e.42	26	22	---	22	11	5.2	76	4.0	e1.0	.79
30	e.42	e.42	17	42	---	16	9.8	5.2	42	3.8	e.90	.64
31	e.40	---	13	116	---	48	---	16	---	3.0	.78	---
TOTAL	13.15	14.58	259.57	1594	839	876	552.6	629.3	794.0	255.2	49.83	23.19
MEAN	.42	.49	8.37	51.4	30.0	28.3	18.4	20.3	26.5	8.23	1.61	.77
MAX	.61	.60	.80	699	69	61	47	300	397	28	2.9	1.4
MIN	.33	.38	.41	11	14	13	7.6	5.2	3.7	2.9	.78	.46
CFSM	.03	.04	.64	3.96	2.30	2.17	1.42	1.56	2.04	.63	.12	.06
IN.	.04	.04	.74	4.56	2.40	2.51	1.58	1.80	2.27	.73	.14	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1999, BY WATER YEAR (WY)

	MEAN	11.9	11.5	18.4	53.1	46.7	45.5	31.8	17.7	19.9	8.54	3.61	9.17
MAX	35.7	30.3	32.8	75.3	73.6	67.1	71.8	51.8	86.3	22.3	8.76	49.2	
(WY)	1996	1996	1997	1998	1998	1994	1998	1997	1997	1997	1996	1996	
MIN	.42	.49	5.65	24.0	24.3	28.3	14.6	6.87	3.24	1.41	1.23	.64	
(WY)	1999	1999	1994	1995	1993	1999	1997	1995	1993	1993	1998	1998	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1992 - 1999

ANNUAL TOTAL	9031.32	5900.42	23.0
ANNUAL MEAN	24.7	16.2	30.1
HIGHEST ANNUAL MEAN			16.2
LOWEST ANNUAL MEAN			16.2
HIGHEST DAILY MEAN	1040	699	1040
LOWEST DAILY MEAN	.33	.33	.33
ANNUAL SEVEN-DAY MINIMUM	.37	.37	.37
INSTANTANEOUS PEAK FLOW		1250	* 2470
INSTANTANEOUS PEAK STAGE		8.26	11.37
ANNUAL RUNOFF (CFSM)	1.90	1.24	1.77
ANNUAL RUNOFF (INCHES)	25.84	16.88	24.06
10 PERCENT EXCEEDS	46	33	46
50 PERCENT EXCEEDS	4.5	6.9	9.5
90 PERCENT EXCEEDS	.43	.44	1.1

e Estimated

* From rating curve extended above 100 ft³/s on basis of slope-area measurement.

MOBILE RIVER BASIN

02450000 MULBERRY FORK NEAR GARDEN CITY, AL

LOCATION.--Lat 33°59'42", long 86°44'56", in NE 1/4 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.--October 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 sea level. Prior to Dec. 5, 1939, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Aug. 27-30. 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	18	32	690	3310	1010	1750	359	770	1140	62	23
2	17	19	31	1120	2290	817	1220	305	430	858	56	23
3	16	21	31	2670	1710	2240	974	266	577	913	50	23
4	17	28	31	1380	1320	1650	875	233	585	667	46	24
5	17	24	31	986	1030	1240	779	211	2280	507	46	23
6	17	19	32	798	884	1850	2140	4480	1150	414	42	22
7	21	18	33	702	823	1560	1910	1960	615	345	38	21
8	95	21	37	716	741	1190	1260	1120	454	699	35	29
9	48	21	55	1600	632	1640	996	775	362	367	32	25
10	29	38	62	1360	2400	1270	791	611	299	287	31	22
11	22	84	59	1010	1540	1030	657	508	254	310	30	25
12	21	53	108	846	1120	880	533	428	227	734	31	22
13	20	33	191	729	896	1010	442	397	205	621	30	21
14	20	43	189	1450	740	2810	399	385	177	429	66	20
15	21	264	134	2910	660	2010	1190	320	184	333	64	20
16	20	176	103	1710	597	1460	1020	277	197	272	38	20
17	19	142	88	1330	1870	1180	631	244	173	232	31	20
18	19	90	80	1560	2810	963	509	274	129	195	29	20
19	18	69	79	1370	1920	806	440	334	109	170	28	21
20	19	58	104	1100	1430	708	399	243	97	149	26	21
21	18	54	97	943	1100	1320	347	191	89	151	24	33
22	18	53	255	1130	887	987	299	161	81	158	24	46
23	18	45	468	15700	777	797	264	176	76	126	25	27
24	18	44	4030	4120	695	711	240	211	107	111	23	23
25	18	43	1690	2460	616	647	214	183	590	122	24	21
26	20	44	1040	1780	563	573	212	139	307	102	64	21
27	18	38	759	1380	606	502	564	131	1020	91	e52	21
28	17	36	2140	1100	1710	462	1290	117	5610	81	e40	20
29	19	34	2150	926	---	604	604	101	3260	72	e32	23
30	17	33	1200	1590	---	643	443	95	1700	67	e27	23
31	18	---	863	4420	---	1040	---	165	---	67	23	---
TOTAL	693	1663	16202	61586	35677	35610	23392	15400	22114	10790	1169	703
MEAN	22.4	55.4	523	1987	1274	1149	780	497	737	348	37.7	23.4
MAX	95	264	4030	15700	3310	2810	2140	4480	5610	1140	66	46
MIN	16	18	31	690	563	462	212	95	76	67	23	20
CFSM	.06	.15	1.43	5.44	3.49	3.15	2.14	1.36	2.02	.95	.10	.06
IN.	.07	.17	1.65	6.28	3.64	3.63	2.38	1.57	2.25	1.10	.12	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1999, BY WATER YEAR (WY)

	MEAN	173	375	809	1419	1551	1516	1052	539	267	285	163	132
MAX	1098	3594	3598	3425	4484	4444	3441	2043	2839	1623	1391	807	
(WY)	1978	1930	1933	1982	1990	1980	1964	1991	1997	1989	1967	1980	
MIN	5.83	7.27	31.9	59.9	285	317	144	71.6	18.4	28.9	16.8	5.40	
(WY)	1949	1954	1966	1956	1934	1988	1986	1936	1941	1977	1954	1931	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1929 - 1999
ANNUAL TOTAL	273692	224999	
ANNUAL MEAN	750	616	686
HIGHEST ANNUAL MEAN			1063
LOWEST ANNUAL MEAN			280
HIGHEST DAILY MEAN	18000	15700	45900
LOWEST DAILY MEAN	16	16	3.0
ANNUAL SEVEN-DAY MINIMUM	17	18	3.1
INSTANTANEOUS PEAK FLOW		28500	66500
INSTANTANEOUS PEAK STAGE		17.12	25.04
ANNUAL RUNOFF (CFSM)	2.05	1.69	1.88
ANNUAL RUNOFF (INCHES)	27.89	22.93	25.54
10 PERCENT EXCEEDS	2020	1590	1630
50 PERCENT EXCEEDS	109	227	232
90 PERCENT EXCEEDS	19	21	19

e Estimated

MOBILE RIVER BASIN

02450180 MULBERRY FORK NEAR ARKADELPHIA, AL

LOCATION--Lat 33°52'00", long 86°55'20", in NE¹/₄ 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 September 1986, October 1988 to current year.

GAGE--Water-stage recorder. Datum of gage is 270.23 ft above sea level.

REMARKS--Estimated daily discharges: Nov. 29 to Dec. 4, 24, Apr. 1 to July 9. Records good except those 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	21	e36	877	4900	1590	e1700	e500	e1000	e1480	77	23
2	18	23	e35	1090	3100	1170	e1400	e400	e560	e1100	70	23
3	20	29	e35	3530	2280	2650	e1200	e350	e750	e1200	65	22
4	20	29	e37	2010	1790	2340	e1000	e300	e760	e800	59	23
5	19	27	34	1350	1440	1710	e950	e280	e3000	e600	53	24
6	20	34	37	1050	1220	1940	e1600	e5800	e1500	e500	57	23
7	24	28	39	895	1100	2080	e2500	e2500	e800	e400	54	24
8	38	27	44	869	1010	1570	e1700	e1450	e590	e800	45	28
9	98	31	43	1780	853	1840	e1300	e1000	e470	e500	42	41
10	49	35	56	2020	2000	1760	e1000	e790	e390	364	39	32
11	33	59	70	1410	2030	1410	e850	e660	e330	315	38	23
12	27	94	96	1130	1420	1220	e700	e560	e300	704	37	22
13	24	58	183	957	1150	1190	e550	e520	e270	759	33	26
14	22	48	247	1220	944	3250	e500	e500	e230	542	35	23
15	21	139	191	3760	830	2650	e1550	e420	e240	401	68	21
16	21	275	144	2320	761	1940	e1330	e360	e260	304	64	20
17	22	173	113	1710	1230	1570	e820	e320	e220	251	41	18
18	23	139	96	1740	3450	1320	e660	e360	e170	211	35	19
19	24	91	95	1820	2350	1100	e570	e430	e140	179	33	22
20	23	71	102	1420	1800	952	e520	e310	e130	152	32	24
21	23	59	125	1200	1430	1370	e450	e250	e110	137	30	30
22	22	54	149	1150	1150	1380	e390	e210	e100	141	29	28
23	20	54	534	12300	986	1060	e340	e230	e100	128	26	46
24	22	46	e4800	11000	881	946	e310	e270	e140	105	30	32
25	24	45	2810	3530	786	858	e280	e240	e770	95	29	25
26	23	44	1470	2340	720	771	e280	e180	e400	130	28	22
27	23	44	1030	1810	728	681	e730	e170	e1330	118	58	24
28	22	40	1830	1490	2140	625	e1700	e150	e7300	104	44	24
29	21	e38	3200	1260	---	639	e1200	e130	e4200	92	32	25
30	21	e37	1670	2030	---	858	e700	e120	e2200	86	28	28
31	23	---	1130	5360	---	966	---	e210	---	78	23	---
TOTAL	807	1892	20481	76428	44479	45406	28780	19970	28760	12776	1334	765
MEAN	26.0	63.1	661	2465	1589	1465	959	644	959	412	43.0	25.5
MAX	98	275	4800	12300	4900	3250	2500	5800	7300	1480	77	46
MIN	17	21	34	869	720	625	280	120	100	78	23	18
CFSM	.05	.13	1.36	5.06	3.26	3.01	1.97	1.32	1.97	.85	.09	.05
IN.	.06	.14	1.56	5.84	3.40	3.47	2.20	1.53	2.20	.98	.10	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1999, BY WATER YEAR (WY)

	MEAN	344	593	1036	1794	1889	1971	1452	786	459	294	120	185
MAX	1973	2375	2635	3188	6623	5629	3809	2659	3104	2005	657	658	
(WY)	1978	1978	1984	1982	1990	1980	1979	1991	1997	1989	1985	1980	
MIN	20.3	21.7	286	201	595	622	185	151	41.8	33.3	24.1	20.6	
(WY)	1992	1979	1979	1981	1978	1985	1986	1992	1977	1977	1990	1978	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1977 - 1999
ANNUAL TOTAL	342327	281878	
ANNUAL MEAN	938	772	905
HIGHEST ANNUAL MEAN			1305
LOWEST ANNUAL MEAN			368
HIGHEST DAILY MEAN	22500	12300	44000
LOWEST DAILY MEAN	17	17	13
ANNUAL SEVEN-DAY MINIMUM	19	20	15
INSTANTANEOUS PEAK FLOW		17600	51700
INSTANTANEOUS PEAK STAGE		29.20	42.90
ANNUAL RUNOFF (CFSM)	1.93	1.59	1.86
ANNUAL RUNOFF (INCHES)	26.15	21.53	25.26
10 PERCENT EXCEEDS	2540	1880	2080
50 PERCENT EXCEEDS	139	280	369
90 PERCENT EXCEEDS	23	23	30

e Estimated

MOBILE RIVER BASIN

02450250 SIPSEY FORK NEAR GRAYSON, AL
(Hydrologic Bench-Mark Station)

LOCATION.--Lat 34°17'07", long 87°23'56", in NW 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 upstream from mouth.

DRAINAGE AREA.--92.1 mi².

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 sea level, from topographic map. Prior to June 29, 1984, at site 400 ft downstream at same datum.

REMARKS.--Estimated daily discharges: Oct. 31 to Nov. 15, Dec. 23, 24, May 18-26. Records good except those of estimated periods, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	e4.0	4.6	118	853	137	418	84	80	138	12	2.6
2	3.6	e4.0	4.4	262	510	131	319	69	66	96	11	2.6
3	3.5	e4.1	4.3	613	347	565	257	58	37	69	9.1	2.7
4	3.7	e4.2	4.4	290	261	422	294	49	31	51	7.9	2.6
5	4.3	e4.3	4.4	187	201	298	279	51	32	40	7.4	2.4
6	4.6	e4.2	4.6	145	175	528	365	2450	30	34	7.0	2.3
7	7.0	e4.1	5.0	120	162	454	366	656	23	31	6.6	2.3
8	19	e4.0	13	184	138	333	298	317	30	41	6.1	2.4
9	6.7	e4.4	22	1150	120	519	247	199	23	32	6.0	11
10	3.7	e4.7	13	596	146	430	198	142	19	31	6.1	7.3
11	2.8	e5.7	30	327	136	333	157	110	17	30	5.8	4.0
12	2.6	e15	152	230	129	264	122	83	16	118	6.0	3.3
13	2.5	e12	449	178	121	636	104	72	19	79	6.7	3.3
14	2.4	e9.0	107	1430	111	1390	97	60	18	50	7.3	3.2
15	2.3	e8.0	51	916	107	774	168	56	46	39	5.6	2.8
16	2.3	e30	37	479	104	478	134	53	29	37	5.2	2.4
17	2.2	e15	31	312	209	346	111	50	22	52	5.4	2.1
18	2.2	8.0	25	635	360	270	95	e47	16	36	5.2	2.1
19	2.3	6.6	27	453	289	216	85	e44	14	30	5.1	2.3
20	2.5	6.7	31	312	217	192	79	e40	13	27	4.9	2.5
21	3.0	7.3	27	234	174	235	69	e38	12	28	4.6	2.7
22	3.0	6.5	109	1120	143	201	61	e35	11	26	4.2	4.4
23	2.8	5.9	e130	8270	131	185	54	e32	11	29	4.2	3.6
24	2.9	5.9	e900	1100	118	171	48	e30	51	27	4.4	3.0
25	3.3	5.8	267	559	104	150	45	e28	150	36	4.6	2.8
26	3.5	5.5	166	359	96	131	65	e26	71	24	5.0	2.9
27	3.7	5.1	209	272	93	117	144	23	186	20	4.1	3.1
28	3.7	4.6	981	216	165	107	208	20	1560	17	3.5	3.3
29	3.8	4.6	563	180	---	143	131	18	482	15	3.2	3.9
30	3.9	4.6	251	203	---	147	109	16	220	14	2.9	4.5
31	e3.9	---	163	1520	---	257	---	17	---	13	2.7	---
TOTAL	121.7	213.8	4785.7	22970	5720	10560	5127	4973	3335	1310	179.8	100.4
MEAN	3.93	7.13	154	741	204	341	171	160	111	42.3	5.80	3.35
MAX	19	30	981	8270	853	1390	418	2450	1560	138	12	11
MIN	2.2	4.0	4.3	118	93	107	45	16	11	13	2.7	2.1
CFSM	.04	.08	1.68	8.05	2.22	3.70	1.86	1.74	1.21	.46	.06	.04
IN.	.05	.09	1.93	9.28	2.31	4.27	2.07	2.01	1.35	.53	.07	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1999, BY WATER YEAR (WY)

MEAN	38.9	95.3	236	331	335	373	250	195	82.9	36.8	18.4	30.2
MAX	414	539	742	741	707	1123	665	748	776	264	64.6	255
(WY)	1976	1980	1968	1999	1991	1973	1970	1984	1997	1989	1967	1989
MIN	3.64	5.22	31.1	28.9	75.2	57.8	26.3	18.4	2.65	5.15	3.76	3.33
(WY)	1969	1979	1986	1986	1968	1988	1986	1988	1988	1977	1977	1968

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1967 - 1999

ANNUAL TOTAL	55916.1	59396.4	
ANNUAL MEAN	153	163	
HIGHEST ANNUAL MEAN			168
LOWEST ANNUAL MEAN			277
HIGHEST DAILY MEAN	4940	8270	52.6
LOWEST DAILY MEAN	2.2	2.1	15200
ANNUAL SEVEN-DAY MINIMUM	2.3	2.3	1.0
INSTANTANEOUS PEAK FLOW		13500	1.3
INSTANTANEOUS PEAK STAGE		36.78	20300
ANNUAL RUNOFF (CFSM)	1.66	1.77	44.27
ANNUAL RUNOFF (INCHES)	22.59	23.99	1.82
10 PERCENT EXCEEDS	342	362	24.77
50 PERCENT EXCEEDS	30	34	370
90 PERCENT EXCEEDS	4.3	3.2	51

e Estimated

MOBILE RIVER BASIN

02450825 CLEAR CREEK AT NEW HOPE CHURCH NEAR POPLAR SPRING, AL

LOCATION.--Lat 34°04'52", long 87°25'22", in NE¹/₄SE¹/₄ sec. 19, T. 11 S., R. 8 W., Winston County, Hydrologic Unit 03160110, on left bank 150 ft downstream of bridge on county road at New Hope Church, 4.5 mi northeast of Poplar Spring, and 6.1 mi southeast of Double Springs.

DRAINAGE AREA.--101 mi².

PERIOD OF RECORD.--October 1980 to September 1981, October 1993 to current year.

REVISED RECORD.--WDR AL-98-1: 1997.

GAGE.--Water-stage recorder. Elevation of gage is 565 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges: Oct. 1-27, May 26, 27. Records good except those of estimated period 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 OUTSIDE PERIOD OF RECORD.--Flood of Jan. 3, 1982 reached gage height of 12.25 ft, discharge, 6,750 ft³/s. Flood of Mar. 5, 1983 reached gage height of 15.74 ft, discharge, 9,680 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e37	26	42	218	770	262	412	157	174	186	42	16
2	e34	29	41	380	534	221	309	132	195	145	40	16
3	e32	32	42	658	422	433	255	113	112	146	38	16
4	e33	33	42	402	348	373	295	102	93	107	35	16
5	e34	31	42	292	287	296	271	101	144	92	34	17
6	e33	30	42	234	254	434	427	2490	120	84	32	18
7	e60	29	43	205	236	393	392	694	91	88	30	16
8	e120	37	54	253	209	315	308	411	103	89	29	18
9	e70	44	86	981	186	460	259	291	86	84	28	32
10	e45	63	62	582	302	387	212	223	77	85	28	40
11	e40	102	80	407	241	315	178	176	73	116	29	24
12	e36	47	172	321	212	264	147	160	74	228	30	20
13	e33	37	566	256	189	346	132	149	76	154	30	20
14	e30	72	256	300	167	805	127	124	73	104	28	20
15	e28	276	146	338	160	559	341	109	138	91	26	20
16	e26	104	108	273	154	415	241	99	92	89	26	18
17	e25	70	90	229	349	346	177	91	75	98	24	16
18	e24	56	76	268	484	288	150	132	63	82	23	17
19	e23	51	83	222	359	244	136	186	60	73	21	17
20	e26	50	103	189	277	218	129	105	58	65	21	19
21	e27	49	84	168	224	246	117	92	56	61	20	20
22	e26	47	236	540	188	198	107	85	54	64	20	21
23	e25	46	291	9830	173	178	102	92	54	66	21	21
24	e25	46	1030	1760	160	166	97	88	79	60	21	21
25	e24	47	533	607	146	156	99	77	107	83	23	20
26	e24	45	379	448	142	145	161	e78	103	73	24	19
27	e25	43	341	365	147	130	300	e76	219	58	22	19
28	26	42	757	313	344	125	424	68	835	53	20	20
29	26	42	642	279	---	180	264	64	521	50	19	25
30	26	42	393	357	---	188	210	63	282	46	17	30
31	25	---	286	1310	---	269	---	67	---	44	16	---
TOTAL	1068	1668	7148	22985	7664	9355	6779	6895	4287	2864	817	612
MEAN	34.5	55.6	231	741	274	302	226	222	143	92.4	26.4	20.4
MAX	120	276	1030	9830	770	805	427	2490	835	228	42	40
MIN	23	26	41	168	142	125	97	63	54	44	16	16
CFSM	.34	.55	2.28	7.34	2.71	2.99	2.24	2.20	1.41	.91	.26	.20
IN.	.39	.61	2.63	8.47	2.82	3.45	2.50	2.54	1.58	1.05	.30	.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1999, BY WATER YEAR (WY)

	MEAN	79.2	152	230	429	369	329	246	203	176	107	60.5	42.7
MAX	142	237	322	741	607	424	338	644	650	163	120	77.9	
(WY)	1998	1981	1997	1999	1994	1994	1995	1997	1997	1998	1998	1996	
MIN	34.5	55.6	135	98.7	213	227	160	64.0	58.4	46.7	26.4	19.8	
(WY)	1999	1999	1981	1981	1981	1981	1997	1981	1981	1981	1999	1981	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1981 - 1999
ANNUAL TOTAL	76576	72142	
ANNUAL MEAN	210	198	201
HIGHEST ANNUAL MEAN			294
LOWEST ANNUAL MEAN			120
HIGHEST DAILY MEAN	6680	Jan 7	9830
LOWEST DAILY MEAN	23	Oct 19	12
ANNUAL SEVEN-DAY MINIMUM	25	Oct 22	13
INSTANTANEOUS PEAK FLOW		11500	11500
INSTANTANEOUS PEAK STAGE		17.74	17.74
ANNUAL RUNOFF (CFSM)	2.08	1.96	1.99
ANNUAL RUNOFF (INCHES)	28.20	26.57	27.07
10 PERCENT EXCEEDS	447	392	408
50 PERCENT EXCEEDS	104	92	111
90 PERCENT EXCEEDS	37	23	33

e Estimated

MOBILE RIVER BASIN

02453000 BLACKWATER CREEK NEAR MANCHESTER, AL

LOCATION.--Lat 33°54'30", long 87°15'25", in SE¹/₄ sec. 15, T. 13 S., R. 7 W., Walker County, Hydrologic Unit 03160109, on right bank 100 ft downstream from State Highway 257, 0.2 mi downstream from small unnamed tributary, 2 mi east of Manchester, and 5.5 mi north of Jasper.

DRAINAGE AREA.--181 mi².

PERIOD OF RECORD.--October 1938 to September 1971, October 1979 to September 1982, October 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is 401.04 ft above sea level. Prior to Dec. 13, 1938, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Possible regulation during periods of low flow at mill dam 2 mi upstream from 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	13	27	383	2070	420	539	264	117	169	24	6.9
2	18	15	27	565	2020	355	525	210	122	132	22	6.7
3	17	15	26	1130	1470	573	417	176	141	98	21	7.1
4	17	15	27	1010	793	571	373	157	128	103	19	6.2
5	17	18	26	635	566	470	386	149	124	98	18	5.6
6	17	20	27	427	462	515	569	2220	141	67	17	5.7
7	59	18	27	358	410	590	660	2410	130	56	16	6.0
8	35	20	35	363	379	514	582	1880	100	73	15	7.7
9	33	19	38	707	335	694	456	872	72	96	14	11
10	31	34	42	1030	298	749	374	429	66	71	14	11
11	23	39	53	895	277	596	314	327	59	65	14	11
12	19	53	102	606	257	466	255	276	55	145	13	10
13	18	46	251	441	234	491	208	248	53	163	13	12
14	16	46	339	424	210	1080	187	216	52	138	13	11
15	15	65	221	522	191	1160	502	183	53	87	12	11
16	14	162	134	486	182	946	836	163	67	63	11	11
17	14	108	96	419	295	653	567	146	75	55	10	11
18	14	64	76	528	521	500	378	134	60	54	11	11
19	14	48	73	733	541	410	302	124	50	50	9.7	11
20	13	38	76	541	428	357	253	126	43	43	9.3	11
21	13	34	88	428	342	388	220	121	37	39	8.6	13
22	16	32	134	385	286	362	192	98	32	37	8.5	13
23	17	33	277	2290	250	304	169	105	43	43	9.5	12
24	14	31	1340	3000	230	271	156	144	39	26	9.0	12
25	13	30	1410	4140	213	257	164	133	49	31	7.7	12
26	12	31	1090	3690	200	238	185	108	69	29	6.3	11
27	12	30	599	1320	210	214	355	89	97	33	6.7	12
28	13	29	846	586	403	195	605	85	324	35	7.5	13
29	13	28	1190	493	---	188	408	76	447	32	6.3	15
30	14	27	939	935	---	226	317	67	284	30	7.6	15
31	13	---	571	2020	---	328	---	65	---	26	7.4	---
TOTAL	573	1161	10207	31490	14073	15081	11454	11801	3129	2187	381.1	311.9
MEAN	18.5	38.7	329	1016	503	486	382	381	104	70.5	12.3	10.4
MAX	59	162	1410	4140	2070	1160	836	2410	447	169	24	15
MIN	12	13	26	358	182	188	156	65	32	26	6.3	5.6
CFSM	.10	.21	1.82	5.61	2.78	2.69	2.11	2.10	.58	.39	.07	.06
IN.	.12	.24	2.10	6.47	2.89	3.10	2.35	2.43	.64	.45	.08	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

MEAN	56.1	173	352	630	763	724	546	278	142	120	67.5	62.3
MAX	245	1424	1428	1638	1886	2005	1902	1581	1212	961	231	392
(WY)	1996	1958	1968	1949	1961	1980	1964	1991	1997	1940	1939	1946
MIN	2.18	9.66	21.3	31.1	156	272	122	42.1	15.8	11.3	12.1	4.92
(WY)	1964	1954	1966	1956	1968	1954	1967	1941	1941	1954	1995	1963

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1939 - 1999

ANNUAL TOTAL	126842	101849	
ANNUAL MEAN	348	279	324
HIGHEST ANNUAL MEAN			578
LOWEST ANNUAL MEAN			141
HIGHEST DAILY MEAN	4620	Jan 9	10400
LOWEST DAILY MEAN	12	Oct 26, 27	1.3
ANNUAL SEVEN-DAY MINIMUM	13	Oct 25	1.7
INSTANTANEOUS PEAK FLOW			10600
INSTANTANEOUS PEAK STAGE			13.10
ANNUAL RUNOFF (CFSM)	1.92		1.79
ANNUAL RUNOFF (INCHES)	26.07		24.31
10 PERCENT EXCEEDS	994	618	831
50 PERCENT EXCEEDS	77	97	110
90 PERCENT EXCEEDS	19	12	15

MOBILE RIVER BASIN

02453500 MULBERRY FORK AT CORDOVA, AL

LOCATION.--Lat 33°45'27", long 87°10'13", in NW¹/₄ sec. 9, T. 15 S., R. 6 W., Walker County, Hydrologic Unit 03160109, on right bank at downstream side of abutment of St. Louis and San Francisco Railroad bridge, 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 U.S. Army 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 sea level. 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.--Records good. Gage height affected by Lewis Smith Reservoir on Sipsey Fork (02451950) and Bankhead Lock and Dam (02462500) on Black Warrior River.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 39.80 ft, March 30, 1951, maximum gage height (since 1961) 24.27 ft, Feb. 17, 1990; 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, 16.22 ft, Jan. 24; minimum, 10.14 ft, Oct. 29.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.15	10.43	10.99	11.28	14.56	11.59	11.72	11.05	11.36	11.87	11.00	10.97
2	11.04	10.59	11.00	11.60	13.55	11.50	11.64	10.88	11.45	11.38	11.06	11.03
3	11.00	10.96	10.84	12.15	12.94	12.02	11.78	10.52	11.37	11.16	11.21	11.04
4	10.99	11.05	10.89	11.74	12.75	11.86	11.81	10.79	11.31	10.99	11.17	10.96
5	10.97	11.03	10.96	11.67	12.45	11.60	12.00	11.07	11.23	11.21	11.10	10.90
6	10.98	10.98	10.96	11.43	12.30	11.78	11.62	13.26	11.28	11.37	11.02	10.84
7	11.10	10.92	10.95	11.32	12.31	11.59	11.87	12.63	11.33	11.44	11.02	10.82
8	11.05	10.89	10.98	11.27	11.93	12.16	11.97	11.83	11.36	11.33	11.02	10.90
9	11.18	10.80	11.03	11.03	11.43	11.98	11.82	11.45	11.31	11.41	11.03	10.94
10	11.34	10.87	11.05	11.76	11.78	11.70	11.72	11.65	11.24	11.46	11.08	10.97
11	11.39	11.10	11.13	11.57	11.96	11.98	11.59	11.67	11.18	11.31	11.07	10.95
12	11.38	11.22	11.31	11.48	11.62	11.78	11.36	11.48	11.14	11.19	11.09	10.93
13	11.39	11.28	11.51	11.30	11.37	12.14	---	11.59	11.08	11.15	11.07	10.95
14	11.41	11.31	11.26	11.47	11.73	13.09	---	11.47	11.03	11.19	10.95	10.98
15	11.41	11.45	11.20	11.78	12.05	12.46	---	11.14	11.11	11.18	10.94	11.04
16	11.31	11.39	11.17	11.80	12.19	11.76	---	10.85	11.34	11.28	10.99	11.07
17	11.25	11.14	11.16	11.47	11.67	11.90	---	10.64	11.42	11.28	11.11	11.02
18	10.91	11.00	11.13	11.26	11.89	12.20	---	10.78	11.30	10.99	11.22	10.97
19	10.67	11.09	11.16	11.71	11.68	11.88	---	10.99	11.16	11.05	11.25	10.89
20	10.63	11.15	11.26	11.50	11.68	11.63	---	11.16	11.09	11.23	11.29	10.83
21	10.59	11.10	11.35	11.49	11.88	12.49	---	11.21	11.16	11.23	11.32	10.86
22	10.54	11.17	11.30	11.55	11.84	11.70	---	10.96	11.13	11.24	11.25	11.02
23	10.49	11.15	11.33	14.68	11.71	11.63	---	10.89	11.17	11.32	11.19	11.11
24	10.46	11.13	12.29	15.78	11.79	11.68	---	11.04	11.13	11.35	11.13	11.15
25	10.42	11.05	11.96	14.04	11.68	11.68	---	10.99	11.32	11.30	11.09	11.20
26	10.37	11.04	11.42	13.45	11.61	11.37	---	10.97	11.30	11.32	11.01	11.14
27	10.34	11.04	11.39	13.20	11.86	11.27	11.38	11.14	11.18	11.28	11.00	11.09
28	10.28	11.03	11.84	12.31	11.92	11.43	11.80	11.22	12.29	11.27	10.99	10.91
29	10.20	11.04	11.98	12.35	---	11.18	11.52	11.21	13.33	11.25	10.95	10.95
30	10.37	11.03	11.70	12.79	---	11.20	11.23	11.25	12.04	11.19	10.91	10.89
31	10.46	---	11.57	14.36	---	11.30	---	11.23	---	11.15	10.92	---
MEAN	10.87	11.05	11.29	12.15	12.08	11.79	---	11.26	11.37	11.27	11.08	10.98
MAX	11.41	11.45	12.29	15.78	14.56	13.09	---	13.26	13.33	11.87	11.32	11.20
MIN	10.20	10.43	10.84	11.03	11.37	11.18	---	10.52	11.03	10.99	10.91	10.82
CAL YR 1998	MEAN 11.49		MAX 18.51		MIN 10.20							

MOBILE RIVER BASIN

02454055 LOST CREEK ABOVE PARRISH, AL

LOCATION.--Lat 33°44'30", long 87°19'37", in NE¹/₄ sec. 13, T. 15 S., R. 8 W., Walker County, Hydrologic Unit 03160109, on downstream side of bridge on Browns Bridge Road, 1 mi north of County Road 20 (East), 3 mi northwest of Parrish, 3.4 mi west of Oakman, and 16.8 mi above mouth.

DRAINAGE AREA.--143 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 280 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: May 4-6. Records fair except those estimated, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	14	29	246	3610	390	476	155	109	66	27	12
2	23	10	25	232	1120	274	378	120	107	58	24	12
3	23	14	30	1320	688	485	288	101	78	54	18	14
4	22	16	32	712	514	739	239	e96	67	113	24	13
5	21	17	32	388	401	433	256	e93	71	68	26	10
6	21	17	32	290	336	414	291	e2000	111	56	26	6.2
7	27	17	33	247	305	667	612	2410	73	52	22	5.1
8	78	17	33	236	283	445	385	507	63	247	24	11
9	46	20	39	416	244	542	312	331	54	197	23	17
10	32	24	41	879	217	791	259	257	49	97	23	12
11	25	37	39	484	200	473	211	208	47	112	24	10
12	23	39	57	344	186	365	172	235	43	282	20	11
13	23	28	154	279	166	306	162	207	46	174	19	12
14	23	31	215	243	148	1110	128	172	44	108	18	12
15	27	70	100	461	137	1120	429	143	47	82	18	12
16	27	95	75	409	132	610	583	124	47	69	19	12
17	28	65	62	315	146	429	312	109	45	64	18	13
18	28	44	51	331	357	349	232	102	39	57	17	11
19	27	41	48	586	344	300	187	95	35	54	17	8.8
20	24	37	61	384	270	261	158	85	36	50	19	8.8
21	21	35	63	310	219	273	139	74	35	43	18	8.8
22	20	34	73	266	188	288	123	71	32	48	16	9.5
23	19	34	192	2380	166	231	109	71	29	49	15	9.1
24	20	34	1450	4880	159	199	104	72	41	51	15	7.9
25	17	33	1820	1480	152	193	106	79	43	72	14	7.6
26	13	32	486	590	146	177	108	70	45	43	15	7.6
27	13	31	319	441	137	157	132	65	65	36	16	7.9
28	16	31	512	365	297	144	402	62	135	36	14	7.6
29	18	32	1540	318	---	137	239	60	167	34	14	7.6
30	17	31	565	940	---	133	179	58	90	34	13	7.7
31	17	---	331	3510	---	166	---	62	---	30	12	---
TOTAL	764	980	8539	24282	11268	12601	7711	8294	1893	2536	588	304.2
MEAN	24.6	32.7	275	783	402	406	257	268	63.1	81.8	19.0	10.1
MAX	78	95	1820	4880	3610	1120	612	2410	167	282	27	17
MIN	13	10	25	232	132	133	104	58	29	30	12	5.1
CFSM	.17	.23	1.93	5.48	2.81	2.84	1.80	1.87	.44	.57	.13	.07
IN.	.20	.25	2.22	6.32	2.93	3.28	2.01	2.16	.49	.66	.15	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1999, BY WATER YEAR (WY)

MEAN	78.6	183	344	707	534	601	338	221	190	104	57.9	43.7
MAX	187	384	508	1017	824	1140	515	545	829	246	118	113
(WY)	1996	1993	1996	1998	1994	1994	1994	1997	1997	1997	1998	1996
MIN	9.53	32.7	157	442	338	386	118	82.1	54.8	22.4	19.0	10.1
(WY)	1994	1999	1994	1995	1993	1993	1997	1998	1995	1995	1999	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1993 - 1999	
ANNUAL TOTAL	101083		79760.2			
ANNUAL MEAN	277		219		283	
HIGHEST ANNUAL MEAN					355	
LOWEST ANNUAL MEAN					219	
HIGHEST DAILY MEAN	6720	Jan 8	4880	Jan 24	9170	Mar 29 1994
LOWEST DAILY MEAN	10	Nov 2	5.1	Sep 7	5.1	Sep 7 1999
ANNUAL SEVEN-DAY MINIMUM	15	Oct 27	7.7	Sep 24	7.7	Sep 24 1999
INSTANTANEOUS PEAK FLOW			5240	Jan 24	10600	Mar 28 1994
INSTANTANEOUS PEAK STAGE			20.55	Jan 24	29.48	Mar 28 1994
ANNUAL RUNOFF (CFSM)	1.94		1.53		1.98	
ANNUAL RUNOFF (INCHES)	26.30		20.75		26.85	
10 PERCENT EXCEEDS	653		466		587	
50 PERCENT EXCEEDS	73		69		126	
90 PERCENT EXCEEDS	25		14		23	

e Estimated

MOBILE RIVER BASIN

02454995 GRAVES CREEK BELOW BLOUNTSVILLE, AL

LOCATION.--Lat 34°02'42", long 86°34'19", in SE 1/4 sec. 30, T. 11 S., R. 1 E., Blount County, Hydrologic Unit 03160111, on right bank 2.7 mi southeast of Blountsville, and 1.1 mi from mouth.

DRAINAGE AREA.--13.0 mi².

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 725 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges: Oct. 25 to Nov. 28, Apr. 11-14, Apr. 21 to May 3, July 25-29. Records good except those of estimated periods, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	e2.2	9.3	17	93	47	67	e11	16	47	6.3	4.0
2	1.9	e2.2	5.6	42	62	40	49	e9.8	10	37	5.5	4.0
3	1.9	e2.3	4.5	60	48	92	42	e8.9	23	31	4.9	3.8
4	2.0	e2.3	3.8	34	41	55	38	8.3	17	25	4.7	3.8
5	1.9	e2.2	3.7	25	38	45	34	8.0	48	20	4.7	4.4
6	1.6	e2.2	3.5	20	35	65	53	245	28	16	4.6	4.4
7	2.0	e2.3	3.8	19	34	49	47	69	15	18	5.0	3.8
8	1.9	e2.5	4.3	25	30	42	39	44	11	16	5.5	3.6
9	1.8	e2.8	4.5	68	26	58	35	34	9.2	13	4.9	3.7
10	1.9	e2.9	4.4	42	102	45	32	27	8.3	11	4.4	3.2
11	1.9	e3.0	5.7	32	46	40	e28	22	8.2	15	4.4	3.1
12	1.8	e2.5	9.2	27	38	36	e24	19	8.1	21	4.3	3.3
13	2.0	e2.2	10	24	33	54	e20	18	8.1	17	4.4	3.4
14	2.1	e2.8	6.3	61	29	93	e17	16	7.3	13	5.4	3.3
15	2.0	e2.6	4.6	69	25	61	58	15	7.4	11	5.9	2.9
16	2.0	e2.4	3.9	42	23	48	37	14	16	9.3	4.9	2.8
17	2.0	e2.5	3.8	36	77	42	27	12	12	8.9	4.2	3.0
18	2.2	e2.7	3.4	38	82	38	23	14	7.9	8.6	3.9	3.8
19	2.2	e2.9	4.0	31	64	34	18	18	7.7	8.3	3.8	2.3
20	2.3	e2.8	4.6	26	50	34	15	15	7.4	7.1	3.8	2.9
21	2.5	e2.6	3.9	23	42	64	e14	12	6.7	6.4	4.3	2.6
22	2.4	e2.5	6.0	25	36	42	e13	11	5.9	6.2	5.4	2.4
23	2.4	e2.5	20	406	33	37	e12	11	5.8	5.7	4.7	2.5
24	2.5	e2.4	102	95	29	35	e11	9.8	7.5	5.9	4.1	2.5
25	e2.6	e2.4	44	55	26	34	e10	7.3	36	e7.2	18	2.6
26	e2.6	e2.3	28	43	24	30	e13	6.1	30	e5.8	17	2.9
27	e2.7	e2.3	18	36	39	28	e35	6.1	138	e5.4	4.7	2.6
28	e2.6	e3.8	66	32	89	27	e25	6.1	507	e5.2	4.6	2.4
29	e2.4	6.6	50	30	---	45	e17	6.2	144	e5.8	4.9	2.8
30	e2.3	9.8	31	74	---	38	e13	6.7	66	6.6	4.6	2.5
31	e2.2	---	21	166	---	71	---	21	---	6.7	4.2	---
TOTAL	66.5	87.5	492.8	1723	1294	1469	866	731.3	1222.5	420.1	172.0	95.3
MEAN	2.15	2.92	15.9	55.6	46.2	47.4	28.9	23.6	40.8	13.6	5.55	3.18
MAX	2.7	9.8	102	406	102	93	67	245	507	47	18	4.4
MIN	1.6	2.2	3.4	17	23	27	10	6.1	5.8	5.2	3.8	2.3
CFSM	.17	.22	1.22	4.28	3.55	3.65	2.22	1.81	3.13	1.04	.43	.24
IN.	.19	.25	1.41	4.93	3.70	4.20	2.48	2.09	3.50	1.20	.49	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 1999, BY WATER YEAR (WY)

	MEAN	12.7	7.24	19.0	70.4	61.7	53.8	51.8	21.7	26.9	8.80	4.67	2.61
	MAX	23.2	11.6	22.1	85.3	77.2	60.3	74.8	23.6	40.8	13.6	5.55	3.18
(WY)	1998	1998	1998	1998	1998	1998	1998	1998	1999	1999	1999	1999	1999
	MIN	2.15	2.92	15.9	55.6	46.2	47.4	28.9	19.9	13.0	4.05	3.79	2.05
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1998	1998	1998	1998	1998

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1998 - 1999	
ANNUAL TOTAL	10872.8		8640.0		28.2	
ANNUAL MEAN	29.8		23.7		32.8	
HIGHEST ANNUAL MEAN					23.7	
LOWEST ANNUAL MEAN					902	
HIGHEST DAILY MEAN	902	Jan 7	507	Jun 28	902	Jan 7 1998
LOWEST DAILY MEAN	1.6	Oct 6	1.6	Oct 6	1.6	Oct 6 1998
ANNUAL SEVEN-DAY MINIMUM	1.8	Sep 4	1.8	Oct 6	1.8	Sep 4 1998
INSTANTANEOUS PEAK FLOW			1040	Jan 23	1830	Jan 7 1998
INSTANTANEOUS PEAK STAGE			6.25	Jan 23	7.48	Jan 7 1998
ANNUAL RUNOFF (CFSM)	2.29		1.82		2.17	
ANNUAL RUNOFF (INCHES)	31.11		24.72		29.52	
10 PERCENT EXCEEDS	66		51		60	
50 PERCENT EXCEEDS	6.9		10		11	
90 PERCENT EXCEEDS	2.0		2.4		2.4	

e Estimated

MOBILE RIVER BASIN

02455000 LOCUST FORK NEAR CLEVELAND, AL

LOCATION.--Lat 34°01'28", long 86°34'27", in NE 1/4 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 September 1986, October 1986 to September 1992 (flood hydrograph), October 1992 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 sea level (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.--Estimated discharges: Apr. 4, May 6, 7, 18-21. Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	7.0	17	389	2470	940	1210	181	105	1200	52	16
2	9.8	7.9	15	406	1820	721	969	162	142	806	44	15
3	9.0	9.0	16	1040	1280	1440	752	144	142	693	37	14
4	8.6	8.5	15	756	984	1370	e630	129	138	529	32	13
5	8.3	9.0	15	550	811	998	547	125	388	414	28	13
6	8.7	9.0	15	448	715	1120	846	e3000	295	338	28	13
7	9.3	8.7	18	401	665	1140	1360	e1600	207	301	27	13
8	12	9.3	21	392	634	847	839	806	147	308	26	14
9	9.9	11	22	609	562	853	681	536	118	309	24	14
10	9.8	15	25	717	4110	780	580	416	103	232	23	13
11	11	19	28	534	2060	663	494	349	93	228	21	11
12	11	30	37	463	1190	606	416	296	87	308	19	10
13	9.9	29	44	406	918	596	365	278	80	455	19	10
14	9.1	25	55	515	765	1400	326	290	77	289	19	11
15	8.7	33	50	1510	677	1290	470	244	238	229	21	10
16	8.4	91	43	909	619	992	623	210	408	200	19	9.1
17	7.7	57	37	671	1170	830	398	184	308	171	18	8.6
18	7.4	41	32	721	3080	709	325	e160	273	156	19	8.8
19	7.7	35	32	705	1840	623	293	e200	184	130	18	9.8
20	7.9	28	33	559	1470	565	270	e170	132	136	16	9.1
21	7.8	23	35	494	1090	1070	271	e160	102	108	14	11
22	7.7	20	43	479	856	1070	234	155	84	96	14	11
23	7.7	19	87	5810	739	768	209	179	72	87	17	13
24	7.4	20	1600	3770	657	662	192	203	76	76	19	16
25	6.8	20	1130	1830	584	616	180	175	242	244	32	15
26	6.7	18	671	1170	526	553	175	141	353	142	68	13
27	6.5	16	430	904	504	486	222	120	2130	91	38	12
28	7.3	17	653	771	1310	432	299	108	6030	74	42	12
29	9.0	17	1190	690	---	486	267	97	4770	61	28	13
30	8.1	17	682	915	---	585	215	90	2130	57	21	13
31	7.9	---	487	2380	---	600	---	109	---	53	17	---
TOTAL	267.0	669.4	7578	31914	34106	25811	14658	11017	19654	8521	820	364.4
MEAN	8.61	22.3	244	1029	1218	833	489	355	655	275	26.5	12.1
MAX	12	91	1600	5810	4110	1440	1360	3000	6030	1200	68	16
MIN	6.5	7.0	15	389	504	432	175	90	72	53	14	8.6
CFSM	.03	.07	.81	3.40	4.02	2.75	1.61	1.17	2.16	.91	.09	.04
IN.	.03	.08	.93	3.92	4.19	3.17	1.80	1.35	2.41	1.05	.10	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1999, BY WATER YEAR (WY)

MEAN	140	290	637	1101	1183	1190	885	415	185	179	113	101
MAX	1176	2123	2448	3158	3162	3508	2949	1622	1706	795	1030	503
(WY)	1996	1949	1943	1947	1961	1980	1964	1983	1997	1967	1941	1979
MIN	5.31	8.96	19.5	62.7	256	361	105	60.0	19.0	13.8	10.4	5.04
(WY)	1955	1955	1966	1956	1968	1941	1986	1942	1941	1960	1954	1954

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1937 - 1999

ANNUAL TOTAL	203890.6	155379.8	530
ANNUAL MEAN	559	426	873
HIGHEST ANNUAL MEAN			1949
LOWEST ANNUAL MEAN			243
HIGHEST DAILY MEAN	10900	6030	33900
LOWEST DAILY MEAN	6.5	6.5	2.3
ANNUAL SEVEN-DAY MINIMUM	7.2	7.2	2.8
INSTANTANEOUS PEAK FLOW		9050	47000
INSTANTANEOUS PEAK STAGE		10.22	19.20
ANNUAL RUNOFF (CFSM)	1.84	1.40	1.75
ANNUAL RUNOFF (INCHES)	25.03	19.08	23.77
10 PERCENT EXCEEDS	1360	1080	1270
50 PERCENT EXCEEDS	77	155	187
90 PERCENT EXCEEDS	9.2	9.8	17

e Estimated

* Minimum discharge prior to October 1, 1943 not determined.

MOBILE RIVER BASIN

02455185 BLACKBURN FORK LITTLE WARRIOR RIVER NEAR HOLLY SPRINGS, AL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	e1.3	2.0	67	468	127	154	13	4.1	121	8.5	1.2
2	1.1	e1.4	1.9	79	277	101	123	11	4.3	264	8.2	1.1
3	1.1	e1.5	1.8	100	187	224	98	10	5.0	435	6.6	1.2
4	1.1	e55	1.7	90	142	210	80	9.4	5.7	168	4.2	1.3
5	1.1	e35	1.6	85	117	143	68	9.2	15	100	2.2	1.2
6	1.1	e19	1.6	80	107	170	92	99	12	70	2.3	1.2
7	1.3	e20	1.6	75	102	154	115	96	10	52	2.2	1.2
8	1.7	e25	2.5	71	73	118	99	56	9.2	41	2.2	2.5
9	1.3	17	2.3	74	13	119	82	37	7.9	34	2.3	2.1
10	1.3	17	2.1	72	139	104	68	29	6.4	29	2.2	1.3
11	1.3	16	2.5	69	165	89	56	23	5.7	24	2.1	1.2
12	1.3	13	3.9	66	124	77	45	20	6.1	25	1.8	1.2
13	1.2	11	4.0	62	97	101	39	17	5.3	22	2.2	1.2
14	1.2	13	4.0	89	80	290	36	15	4.9	19	2.3	1.2
15	1.2	12	3.6	107	72	221	46	13	21	16	2.2	1.1
16	1.2	11	3.3	98	63	155	45	12	39	15	1.7	1.1
17	1.1	9.4	3.1	94	95	120	37	11	27	14	1.2	1.1
18	1.1	8.5	3.0	97	191	98	30	12	18	13	1.2	1.1
19	1.1	7.8	3.3	92	190	81	25	13	13	11	1.2	1.1
20	1.1	7.2	3.2	87	166	71	22	11	10	10	1.2	1.1
21	1.1	6.5	2.7	86	127	100	20	9.0	8.2	9.2	1.1	1.4
22	1.1	5.9	3.3	88	100	93	18	7.8	6.8	8.4	1.1	1.2
23	e.90	5.4	7.0	708	84	79	16	6.9	6.0	8.5	1.2	1.1
24	e.95	4.9	85	428	73	70	15	6.5	9.4	11	1.2	1.1
25	e1.0	4.5	80	219	64	66	15	5.4	27	12	1.7	1.1
26	e1.1	4.2	74	152	58	57	14	5.1	22	10	2.6	1.1
27	e1.2	3.7	69	122	59	51	17	4.8	316	8.8	1.4	1.1
28	e1.2	3.5	85	109	149	46	20	4.0	822	7.7	1.3	1.1
29	e1.1	3.3	85	104	---	44	17	3.5	417	7.2	1.3	1.4
30	e1.0	2.7	78	145	---	43	15	3.2	195	8.4	1.3	1.3
31	e1.2	---	72	524	---	86	---	3.5	---	8.5	1.2	---
TOTAL	35.85	345.7	694.0	4339	3582	3508	1527	576.3	2059.0	1582.7	73.4	37.6
MEAN	1.16	11.5	22.4	140	128	113	50.9	18.6	68.6	51.1	2.37	1.25
MAX	1.7	55	85	708	468	290	154	99	822	435	8.5	2.5
MIN	.90	1.3	1.6	62	13	43	14	3.2	4.1	7.2	1.1	1.1
CFSM	.03	.32	.62	3.88	3.54	3.13	1.41	.51	1.90	1.41	.07	.03
IN.	.04	.36	.72	4.47	3.69	3.61	1.57	.59	2.12	1.63	.08	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 1999, BY WATER YEAR (WY)

MEAN	1.16	11.5	22.4	140	183	133	84.0	17.5	38.9	27.0	3.30	1.62
MAX	1.16	11.5	22.4	140	237	152	117	18.6	68.6	51.1	4.24	1.99
(WY)	1999	1999	1999	1999	1998	1998	1998	1999	1999	1999	1998	1998
MIN	1.16	11.5	22.4	140	128	113	50.9	16.4	9.16	3.03	2.37	1.25
(WY)	1999	1999	1999	1999	1999	1999	1999	1998	1998	1998	1999	1999

SUMMARY STATISTICS

FOR 1999 WATER YEAR

WATER YEARS 1998 - 1999

ANNUAL TOTAL	18360.55
ANNUAL MEAN	50.3
HIGHEST ANNUAL MEAN	50.3
LOWEST ANNUAL MEAN	50.3
HIGHEST DAILY MEAN	822
LOWEST DAILY MEAN	.90
ANNUAL SEVEN-DAY MINIMUM	1.0
INSTANTANEOUS PEAK FLOW	1210
INSTANTANEOUS PEAK STAGE	6.45
ANNUAL RUNOFF (CFSM)	1.39
ANNUAL RUNOFF (INCHES)	18.92
10 PERCENT EXCEEDS	122
50 PERCENT EXCEEDS	12
90 PERCENT EXCEEDS	1.2

50.3	
50.3	1999
50.3	1999
994	Feb 4 1998
.90	Oct 23 1998
1.0	Sep 8 1998
1840	Feb 3 1998
7.31	Feb 3 1998
1.39	
18.93	
142	
11	
1.2	

e Estimated

MOBILE RIVER BASIN

02455185 BLACKBURN FORK LITTLE WARRIOR RIVER NEAR HOLLY SPRINGS, AL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	4.4	1.2	3.7	46	64	---	---	---	---	---	---
2	1.1	5.2	1.2	3.4	38	52	---	---	---	---	---	---
3	1.3	1.7	1.3	3.8	33	47	---	---	---	---	---	---
4	1.8	e1.5	1.3	30	30	49	---	---	---	---	---	---
5	1.3	e1.4	1.6	34	26	43	---	---	---	---	---	---
6	1.1	1.3	1.7	24	23	---	---	---	---	---	---	---
7	1.2	1.4	1.5	19	22	---	---	---	---	---	---	---
8	1.2	1.4	1.4	15	21	---	---	---	---	---	---	---
9	1.7	1.4	1.3	25	19	---	---	---	---	---	---	---
10	5.9	1.3	1.9	83	19	---	---	---	---	---	---	---
11	1.8	1.4	1.7	72	20	---	---	---	---	---	---	---
12	1.3	1.5	1.6	47	22	---	---	---	---	---	---	---
13	1.3	1.4	6.4	37	33	---	---	---	---	---	---	---
14	1.5	1.4	7.8	30	117	---	---	---	---	---	---	---
15	1.2	1.4	6.7	25	85	---	---	---	---	---	---	---
16	1.3	1.4	5.8	23	62	---	---	---	---	---	---	---
17	1.4	1.4	5.1	24	48	---	---	---	---	---	---	---
18	1.5	1.4	4.8	25	44	---	---	---	---	---	---	---
19	1.4	1.4	5.7	24	49	---	---	---	---	---	---	---
20	1.6	1.5	5.5	23	45	---	---	---	---	---	---	---
21	1.5	1.6	7.5	20	39	---	---	---	---	---	---	---
22	1.5	1.5	9.0	19	35	---	---	---	---	---	---	---
23	1.4	1.5	8.0	31	31	---	---	---	---	---	---	---
24	1.5	1.4	7.1	37	28	---	---	---	---	---	---	---
25	1.6	1.4	6.1	34	26	---	---	---	---	---	---	---
26	1.6	1.5	5.4	29	24	---	---	---	---	---	---	---
27	1.7	1.4	5.0	25	113	---	---	---	---	---	---	---
28	1.9	1.4	4.5	23	117	---	---	---	---	---	---	---
29	1.3	1.4	4.1	34	83	---	---	---	---	---	---	---
30	1.7	1.2	3.9	56	---	---	---	---	---	---	---	---
31	1.7	---	4.0	54	---	---	---	---	---	---	---	---
TOTAL	49.5	49.5	130.1	932.9	1298	---	---	---	---	---	---	---
MEAN	1.60	1.65	4.20	30.1	44.8	---	---	---	---	---	---	---
MAX	5.9	5.2	9.0	83	117	---	---	---	---	---	---	---
MIN	1.1	1.2	1.2	3.4	19	---	---	---	---	---	---	---
CFSM	.04	.05	.12	.83	1.24	---	---	---	---	---	---	---
IN.	.05	.05	.13	.96	1.34	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

MEAN	1.38	6.59	13.3	85.0	136	133	84.0	17.5	38.9	27.0	3.30	1.62
MAX	1.60	11.5	22.4	140	237	152	117	18.6	68.6	51.1	4.24	1.99
(WY)	2000	1999	1999	1999	1998	1998	1998	1999	1999	1999	1998	1998
MIN	1.16	1.65	4.20	30.1	44.8	113	50.9	16.4	9.16	3.03	2.37	1.25
(WY)	1999	2000	2000	2000	2000	1999	1999	1998	1998	1998	1999	1999

SUMMARY STATISTICS

FOR 1999 CALENDAR YEAR

WATER YEARS 1998 - 2000

ANNUAL TOTAL	17514.1		
ANNUAL MEAN	48.0	50.3	
HIGHEST ANNUAL MEAN		50.3	1999
LOWEST ANNUAL MEAN		50.3	1999
HIGHEST DAILY MEAN	822	994	Feb 4 1998
LOWEST DAILY MEAN	1.1	.90	Oct 23 1998
ANNUAL SEVEN-DAY MINIMUM	1.1	1.0	Sep 8 1998
INSTANTANEOUS PEAK FLOW		1840	Feb 3 1998
INSTANTANEOUS PEAK STAGE		7.31	Feb 3 1998
ANNUAL RUNOFF (CFSM)	1.33	1.39	
ANNUAL RUNOFF (INCHES)	18.05	18.93	
10 PERCENT EXCEEDS	122	120	
50 PERCENT EXCEEDS	9.0	9.4	
90 PERCENT EXCEEDS	1.2	1.2	

e Estimated

MOBILE RIVER BASIN

02455185 BLACKBURN FORK LITTLE WARRIOR RIVER NEAR HOLLY SPRINGS, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1998 to September 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
NOV 05...	1030	15.9	9.7	747	42	2.58	95	97	9.3	96	--	7.6
MAR 18...	1400	13.8	22.2	751	93	3.05	90	98	12.0	118	--	7.2
JUN 24...	1530	23.7	23.6	746	12	1.93	137	137	6.9	83	1.1	7.0
AUG 12...	1500	27.9	34.6	746	1.6	1.49	199	198	7.3	95	.5	7.7
DATE	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
NOV 05...	7.3	.9	18	0	21	17	51	K28	--	--	.060	<.010
MAR 18...	6.8	--	--	0	8	7	K4	K6	2.0	.21	.040	.010
JUN 24...	7.5	--	--	0	23	19	K12000	K11000	--	--	.020	<.010
AUG 12...	7.6	--	--	0	43	35	K17	K16	--	--	.020	<.010
DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)
NOV 05...	<.010	--	<.26	<.24	<.020	<.030	.08	--	--	--	.03	.06
MAR 18...	<.010	1.79	<.20	.25	1.80	1.80	.05	7.9	.03	9.1	--	--
JUN 24...	<.010	--	<.20	<.20	.570	.560	.03	--	--	--	--	--
AUG 12...	<.010	--	<.20	<.20	.670	.670	.03	--	--	--	.03	.03
DATE	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD- NESS NONCARB DISSOLV LAB AS CACO3 (MG/L) (00905)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	
NOV 05...	<.020	<.020	.020	.010	33	16	--	5.4	4.7	2.4	.2	
MAR 18...	.020	<.020	<.010	<.010	32	25	24	5.9	4.2	2.3	.2	
JUN 24...	<.020	<.020	<.010	<.010	49	30	--	8.3	6.9	3.0	.2	
AUG 12...	<.020	.020	.010	.010	75	40	--	12	11	3.9	.2	

MOBILE RIVER BASIN

02455185 BLACKBURN FORK LITTLE WARRIOR RIVER NEAR HOLLY SPRINGS, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
NOV 05...	13	2.4	2.9	20	<.10	3.4	<1	<1	11	50	6.0
MAR 18...	13	2.0	3.4	21	<.10	4.9	<1	<1	10	100	17
JUN 24...	11	2.4	3.2	34	<.10	2.3	<1	<1	12	110	7.3
AUG 12...	10	3.2	3.2	48	<.10	3.6	<1	<1	15	50	8.7
DATE	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
NOV 05...	96	6.8	<1	<1	<.1	<.10	--	54	52	6.09	.07
MAR 18...	300	290	<1	<1	<.1	<.10	2.0	69	56	17.3	.09
JUN 24...	120	85	<1	<1	<.1	<.10	1.8	88	74	2.85	.12
AUG 12...	49	44	<1	<1	<.1	<.10	--	129	109	.57	.18

MOBILE RIVER BASIN

02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL

LOCATION.--Lat 33°42'40", long 86°41'46", in SW¹/₄ sec. 24, T. 15 S., R. 2 W., Jefferson County, Hydrologic Unit 03160111, near left bank on downstream side of foot bridge, 400 ft upstream from Turkey Creek Wastewater Treatment Plant effluent, 1.8 mi northwest of Pinson, and 7 mi southeast of Morris.

DRAINAGE AREA.--27.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1988 to current year. June 1979 to June 1988 in files of Barton Laboratory, Jefferson County Commission.

GAGE.--Water-stage recorder. Datum of gage is 501.69 ft above sea level (levels by Jefferson County Engineering Department).

REMARKS.--Estimated daily discharges: Oct. 1-14. Water-discharge records good except those above 1,000 ft³/s and estimated, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e20	11	12	34	158	50	61	28	31	95	23	11
2	e15	12	12	76	102	47	50	26	24	56	21	11
3	e14	12	12	67	77	126	47	25	23	47	20	11
4	e13	11	11	44	61	70	44	26	22	41	19	11
5	e17	11	12	39	54	59	42	29	31	38	20	11
6	e13	11	11	38	47	89	42	150	24	35	19	11
7	e23	11	13	36	46	61	40	40	22	36	18	11
8	e19	13	19	36	43	54	39	35	21	36	19	11
9	e16	12	15	43	41	79	38	33	21	32	18	11
10	e14	27	13	38	40	58	37	32	20	31	19	11
11	e13	24	19	37	38	52	36	29	20	36	38	10
12	e13	15	29	36	37	48	34	28	32	57	37	10
13	e12	13	27	35	36	156	34	35	28	37	21	10
14	e12	31	22	124	34	181	34	34	25	32	15	10
15	12	30	18	66	34	100	47	28	103	29	13	9.8
16	12	20	17	46	33	76	36	27	41	31	14	11
17	12	17	16	41	125	65	34	25	26	29	12	12
18	12	15	15	41	96	57	33	26	22	26	15	13
19	12	15	17	37	78	50	32	25	20	25	17	13
20	11	14	16	36	60	48	31	23	19	28	16	14
21	11	14	16	35	52	52	30	23	18	34	17	27
22	11	13	23	34	47	45	29	26	17	27	16	13
23	11	13	29	370	44	43	28	25	17	25	14	11
24	11	13	206	83	42	43	34	25	25	71	13	11
25	11	13	49	59	40	43	29	23	29	33	13	10
26	11	13	39	48	39	42	27	22	24	27	12	10
27	12	12	35	44	53	40	35	21	41	25	12	10
28	11	13	76	42	72	39	32	21	401	23	12	12
29	12	12	49	48	---	38	28	20	102	41	11	15
30	11	12	40	190	---	38	27	24	147	33	11	12
31	11	---	36	290	---	70	---	34	---	24	11	---
TOTAL	408	453	924	2193	1629	2019	1090	968	1396	1140	536	353.8
MEAN	13.2	15.1	29.8	70.7	58.2	65.1	36.3	31.2	46.5	36.8	17.3	11.8
MAX	23	31	206	370	158	181	61	150	401	95	38	27
MIN	11	11	11	34	33	38	27	20	17	23	11	9.8
CFSM	.48	.55	1.09	2.58	2.12	2.38	1.33	1.14	1.70	1.34	.63	.43
IN.	.55	.62	1.25	2.98	2.21	2.74	1.48	1.31	1.90	1.55	.73	.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1999, BY WATER YEAR (WY)

	MEAN	32.6	34.8	40.8	97.2	94.7	110	59.5	42.0	47.3	36.9	24.3	22.8
MAX	149	68.4	77.2	221	358	300	129	97.6	176	70.6	50.0	35.0	
(WY)	1996	1996	1995	1996	1990	1996	1998	1991	1997	1997	1998	1989	
MIN	12.4	15.1	22.4	30.1	40.9	39.0	32.7	19.2	21.6	16.5	12.7	11.8	
(WY)	1994	1999	1994	1992	1992	1992	1992	1992	1992	1988	1988	1999	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1988 - 1999
ANNUAL TOTAL	22872	13109.8	
ANNUAL MEAN	62.7	35.9	52.8
HIGHEST ANNUAL MEAN			89.9
LOWEST ANNUAL MEAN			20.4
HIGHEST DAILY MEAN	3150	401	4320
LOWEST DAILY MEAN	11	9.8	8.6
ANNUAL SEVEN-DAY MINIMUM	11	10	9.6
INSTANTANEOUS PEAK FLOW		1800	12700
INSTANTANEOUS PEAK STAGE		7.71	12.45
ANNUAL RUNOFF (CFSM)	2.29	1.31	1.93
ANNUAL RUNOFF (INCHES)	31.05	17.80	26.20
10 PERCENT EXCEEDS	107	61	85
50 PERCENT EXCEEDS	29	27	33
90 PERCENT EXCEEDS	13	11	15

e Estimated

MOBILE RIVER BASIN

02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1989 to current year.

WATER TEMPERATURES: January 1989 to current year.

DISSOLVED OXYGEN: January 1989 to current year.

INSTRUMENTATION.--Water-quality monitor since January 1989.

REMARKS.--None.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 366 microSiemens, April 24, 1999; minimum, 61 microSiemens, Feb. 16, 1990, Mar. 6, 1996.

WATER TEMPERATURES: Maximum, 28.7°C, Aug. 19, 1995; minimum, 1.9°C, Dec. 23, 1989.

DISSOLVED OXYGEN: Maximum, 15.7 mg/L, Aug. 30, 1992; minimum, 4.1 mg/L, Sept. 26, 1990.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 366 microSiemens, April 24; minimum, 90 microSiemens, Jan. 23.

WATER TEMPERATURE: Maximum, 27.7°C, Aug. 11; minimum, 4.8°C, Jan. 5.

DISSOLVED OXYGEN: Maximum, 13.1 mg/L, Jan. 10; minimum, 4.2 mg/L, May 23.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	308	293	301	328	317	322	326	302	312	303	293	298
2	316	290	301	330	313	324	316	300	308	304	151	257
3	317	292	302	330	319	324	320	299	308	277	217	255
4	309	289	303	332	298	316	319	300	309	283	272	277
5	310	295	303	313	296	305	316	297	309	293	280	285
6	309	292	301	312	300	306	315	301	309	294	286	290
7	316	285	299	314	300	307	317	295	309	296	286	292
8	305	290	297	309	290	300	302	288	295	297	281	290
9	307	297	302	309	291	303	314	300	306	297	249	274
10	313	297	303	312	183	270	319	300	310	291	279	286
11	315	288	303	301	237	281	311	269	303	294	285	290
12	309	289	303	315	297	302	301	230	274	298	286	292
13	326	291	308	315	299	307	311	292	300	298	282	293
14	313	293	302	312	219	269	321	305	314	303	115	239
15	309	292	302	303	264	286	322	309	317	266	236	253
16	315	301	307	318	300	306	325	313	320	276	262	269
17	314	295	306	319	302	313	327	313	320	284	271	278
18	316	297	307	320	305	313	326	308	317	284	263	278
19	321	300	310	322	301	314	322	294	307	293	277	285
20	322	302	311	321	304	313	317	300	311	293	272	287
21	317	294	309	318	301	310	321	308	316	296	276	287
22	315	305	311	316	303	310	323	277	299	300	282	291
23	318	308	312	316	304	311	310	256	291	286	90	187
24	318	308	313	324	308	315	256	123	213	244	224	233
25	319	306	312	326	299	313	286	256	274	258	240	247
26	325	308	316	319	305	312	296	278	290	268	253	259
27	321	310	316	317	300	310	303	294	298	275	262	267
28	324	312	317	318	301	309	304	162	241	289	262	276
29	327	314	319	317	302	310	286	259	274	288	192	272
30	327	313	321	317	301	310	292	283	287	246	156	202
31	329	315	322	---	---	---	302	289	295	201	180	193
MONTH	329	285	308	332	183	306	327	123	298	304	90	267

MOBILE RIVER BASIN

02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	217	198	209	293	252	265	282	247	261	307	286	294
2	233	209	222	273	254	265	268	255	261	310	292	299
3	245	230	237	260	146	220	269	256	264	298	289	294
4	259	240	248	254	228	245	270	260	267	299	290	294
5	284	252	262	260	238	251	274	262	269	297	273	287
6	272	253	263	260	176	229	276	268	272	294	105	222
7	273	254	264	269	234	251	352	269	277	282	259	271
8	276	260	268	262	243	255	280	272	277	286	281	283
9	280	264	273	258	192	233	282	275	279	291	283	287
10	281	260	275	262	239	253	283	274	280	291	283	287
11	286	262	275	281	245	257	285	278	282	293	284	290
12	286	262	278	275	240	259	287	279	284	295	288	292
13	287	258	280	269	109	234	287	279	284	297	232	277
14	289	255	280	224	173	213	289	279	285	289	262	279
15	289	264	280	233	206	226	286	194	253	297	288	292
16	291	264	281	241	219	235	321	273	280	299	264	294
17	293	126	235	252	222	242	290	281	285	298	291	295
18	248	221	240	259	238	249	292	283	287	300	291	296
19	252	232	242	262	240	254	291	282	288	297	290	293
20	262	236	252	267	244	256	291	282	287	302	292	298
21	267	251	259	268	242	254	293	285	289	301	291	297
22	304	252	265	270	248	262	293	283	289	297	268	291
23	274	264	268	292	250	266	293	284	289	293	267	287
24	276	247	267	277	256	268	366	289	307	297	282	290
25	279	265	273	275	256	266	352	287	301	300	292	297
26	283	256	272	349	256	272	295	287	292	302	292	298
27	285	170	266	279	259	270	297	214	269	301	291	297
28	266	182	240	292	260	273	291	271	285	301	290	297
29	---	---	---	283	263	274	295	290	292	301	289	296
30	---	---	---	285	267	275	295	288	292	302	278	293
31	---	---	---	281	188	246	---	---	---	284	250	268
MONTH	304	126	260	349	109	252	366	194	281	310	105	288
	JUNE			JULY			AUGUST			SEPTEMBER		
1	296	235	274	251	190	228	317	302	310	315	300	308
2	302	296	299	264	251	259	314	302	309	315	300	309
3	308	295	301	275	261	267	314	300	308	316	303	310
4	305	297	302	280	229	262	313	301	309	316	300	309
5	301	234	268	252	239	245	319	300	311	316	301	309

MOBILE RIVER BASIN

02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	23.1	20.2	21.7	17.5	14.8	16.4	15.8	13.6	14.7	11.2	8.3	9.8
2	22.0	19.3	20.8	17.2	16.1	16.7	14.9	12.1	13.8	11.3	9.8	10.8
3	22.7	20.2	21.4	17.2	15.1	16.1	15.9	13.5	14.6	9.8	7.3	8.5
4	23.3	20.6	21.9	15.3	13.7	14.5	16.3	13.6	15.2	7.8	6.2	7.0
5	22.8	20.9	21.9	14.2	12.6	13.5	17.9	15.9	16.9	7.3	4.8	6.1
6	22.6	21.0	21.8	12.6	10.1	11.3	18.5	16.7	17.4	9.4	6.4	7.7
7	22.0	20.5	21.1	11.9	9.0	10.6	19.1	17.6	18.2	12.2	9.4	11.0
8	20.5	17.9	19.3	13.6	11.7	12.5	18.6	15.5	17.7	13.4	11.8	12.6
9	18.2	15.3	16.9	16.7	13.6	15.3	15.5	12.2	13.6	13.5	7.5	10.9
10	18.3	14.8	16.6	17.4	16.2	16.7	13.2	10.7	12.1	8.9	6.1	7.5
11	18.8	15.3	17.1	16.5	12.9	14.7	13.2	12.8	13.0	10.2	6.7	8.4
12	19.0	15.7	17.4	14.0	11.0	12.7	13.4	12.2	12.8	12.3	8.6	10.4
13	19.1	16.0	17.6	15.1	13.6	14.4	13.7	12.9	13.5	14.3	11.9	13.0
14	18.3	15.3	17.0	15.4	14.3	14.7	13.0	11.4	12.6	14.0	11.1	13.2
15	18.2	14.6	16.5	16.3	15.2	15.7	11.4	9.3	10.5	12.1	10.0	10.9
16	19.3	16.5	17.8	16.7	14.8	15.8	10.7	8.4	9.8	12.8	9.0	10.9
17	19.0	16.2	17.7	17.3	15.0	16.5	10.6	9.3	10.1	14.5	11.2	12.8
18	20.2	17.4	18.8	15.2	12.3	14.1	10.0	7.5	9.0	14.2	12.0	13.6
19	20.5	18.9	19.7	16.9	14.9	15.9	12.3	9.9	11.1	13.1	9.7	11.6
20	20.1	17.8	19.2	16.4	13.7	15.6	14.6	12.1	13.5	15.4	12.0	13.7
21	18.2	16.4	17.2	13.7	11.2	12.6	16.1	14.3	15.2	16.4	13.5	14.9
22	16.7	14.1	15.2	13.9	10.5	12.3	16.1	9.4	12.5	16.7	14.9	15.8
23	15.0	12.1	13.6	16.5	13.9	15.2	9.4	8.4	8.8	16.6	13.7	15.0
24	14.9	11.6	13.4	17.7	16.0	16.8	9.1	6.9	8.5	14.0	12.1	13.2
25	15.5	12.2	13.9	16.5	14.9	15.8	10.3	8.7	9.4	14.7	10.8	12.6
26	16.0	12.6	14.4	16.3	13.6	15.0	11.2	10.1	10.6	15.4	11.5	13.3
27	16.3	13.2	14.9	13.7	11.1	12.7	11.1	9.0	10.1	15.7	11.9	13.7
28	16.6	13.6	15.3	13.7	10.9	12.6	11.4	9.8	10.9	15.6	13.1	14.3
29	17.2	14.2	15.9	13.9	11.2	12.8	12.0	10.8	11.5	16.1	13.7	14.9
30	18.1	15.2	16.8	14.4	11.5	13.1	10.8	8.7	9.7	15.1	13.8	14.6
31	18.4	16.3	17.4	---	---	---	11.0	8.7	9.8	13.8	11.8	12.9
MONTH	23.3	11.6	17.7	17.7	9.0	14.4	19.1	6.9	12.5	16.7	4.8	11.8
FEBRUARY			MARCH			APRIL			MAY			
1	12.5	11.6	12.1	15.5	10.9	13.0	18.8	14.7	16.2	19.5	13.8	16.5
2	14.8	12.3	13.3	16.2	10.9	13.5	19.2	14.6	16.7	20.3	14.5	17.4
3	15.1	11.7	13.3	14.8	11.1	12.9	21.6	15.9	18.5	20.6	15.7	18.1
4	15.6	12.7	14.2	14.4	9.8	11.8	20.4	17.2	18.6	20.4	16.7	18.5
5	15.0	10.8	12.8	14.7	10.4	12.4	22.1	16.2	18.9	19.9	17.7	18.8
6	16.5	11.6	13.9	15.7	12.5	13.8	19.6	18.0	18.6	20.5	18.0	19.3
7	17.5	14.5	15.7	14.6	10.7	12.6	21.4	17.3	19.3	20.7	17.6	19.0
8	16.9	12.9	15.0	13.2	10.9	11.9	21.0	18.2	19.5	20.8	15.7	18.3
9	17.0	13.9	15.4	15.2	11.1	12.9	21.9	18.3	19.8	21.0	16.4	18.8
10	17.0	15.0	16.0	15.3	10.8	12.8	21.4	18.3	19.8	20.8	17.5	19.3
11	18.1	14.7	16.3	14.7	11.2	12.6	22.4	18.8	20.3	22.2	17.8	19.9
12	16.8	11.4	14.1	15.5	10.2	12.7	20.4	16.2	18.2	20.3	18.6	19.5
13	12.4	9.6	11.0	13.3	9.6	12.1	19.2	14.2	16.8	20.5	18.3	19.2
14	12.4	8.3	10.4	11.9	10.6	11.4	19.2	14.6	16.9	20.8	16.6	18.7
15	12.9	8.8	10.9	14.7	10.5	12.1	19.0	16.2	17.5	21.0	17.1	19.0
16	14.5	10.0	12.2	16.2	10.3	12.9	18.1	13.7	15.8	22.0	17.9	19.9
17	14.1	12.3	13.5	16.7	11.3	13.7	16.2	12.7	14.6	23.0	18.2	20.5
18	13.3	11.8	12.4	17.4	12.1	14.6	16.9	11.9	14.4	21.0	19.0	20.0
19	14.0	11.9	12.7	17.4	12.4	14.7	18.7	12.6	15.6	22.4	17.9	20.0
20	14.6	10.6	12.5	16.9	12.3	14.6	20.9	15.7	18.0	22.1	16.8	19.5
21	13.1	10.1	11.9	17.1	13.3	14.8	21.4	15.9	18.5	22.9	18.2	20.5
22	12.5	8.5	10.4	17.1	11.4	14.1	20.5	16.6	18.6	22.0	18.9	20.5
23	10.7	10.0	10.4	17.0	11.5	14.2	21.8	17.9	19.8	23.0	19.1	20.9
24	13.9	9.7	11.5	16.0	13.6	14.8	20.4	18.7	19.5	23.0	19.1	20.9
25	13.0	9.6	11.5	15.7	13.4	14.5	21.4	17.7	19.6	22.9	17.7	20.3
26	16.5	12.2	14.2	16.3	10.9	13.4	20.4	18.1	19.2	21.3	19.1	20.3
27	15.4	13.9	14.6	16.8	10.5	13.5	20.0	18.6	19.2	22.7	18.4	20.4
28	15.7	12.6	14.0	17.8	11.1	14.4	21.5	17.8	19.5	22.3	17.5	19.8
29	---	---	---	16.6	13.7	15.0	19.5	16.8	17.9	22.7	17.9	20.3
30	---	---	---	15.3	13.5	14.5	17.4	15.2	16.3	21.3	19.8	20.5
31	---	---	---	14.8	13.6	14.1	---	---	---	21.0	19.4	20.1
MONTH	18.1	8.3	13.1	17.8	9.6	13.4	22.4	11.9	18.1	23.0	13.8	19.5

MOBILE RIVER BASIN

02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	22.6	19.4	20.9	23.2	21.2	22.0	26.4	23.1	24.7	24.2	20.4	22.4
2	21.7	20.4	21.0	23.5	21.1	22.1	26.1	22.9	24.4	23.6	20.2	22.1
3	24.0	19.8	21.7	24.6	20.8	22.5	25.2	22.1	23.7	22.7	21.0	21.8
4	23.3	20.4	21.9	24.9	21.2	23.0	25.6	21.5	23.5	24.1	20.4	22.3
5	23.1	19.8	21.5	24.9	21.3	23.1	25.0	21.3	23.2	24.6	21.2	23.0
6	24.5	20.5	22.4	25.6	21.6	23.6	25.0	21.1	23.1	24.2	21.7	23.0
7	24.3	20.1	22.2	24.5	22.0	23.2	25.6	21.5	23.5	23.9	21.2	22.7
8	24.8	20.6	22.7	24.7	21.7	23.0	24.5	22.2	23.4	24.1	21.3	22.7
9	24.5	20.9	22.7	24.8	21.9	23.2	25.5	22.3	23.8	22.8	21.2	22.1
10	24.7	21.0	22.7	24.9	21.6	23.1	25.9	22.5	24.1	22.5	18.7	20.9
11	22.8	21.1	21.9	24.3	22.0	23.1	27.7	23.6	25.5	21.7	18.1	20.1
12	22.6	20.5	21.6	23.8	21.8	22.8	27.4	24.4	25.8	22.5	19.0	20.7
13	24.4	21.2	22.7	23.1	21.4	22.2	27.4	23.9	25.6	22.8	19.7	21.4
14	23.8	21.4	22.5	23.6	20.4	21.9	26.6	23.2	24.8	23.3	20.6	21.9
15	23.4	21.3	22.2	24.1	20.5	22.2	24.8	20.6	22.8	21.6	17.8	19.9
16	22.8	21.6	22.3	22.5	20.9	21.5	25.2	20.6	23.0	20.5	17.1	19.0
17	23.6	20.1	21.7	24.3	20.3	22.1	25.4	21.5	23.5	20.1	16.1	18.3
18	22.7	18.4	20.7	24.4	21.1	22.7	25.7	21.4	23.5	20.3	16.5	18.6
19	22.3	19.9	21.0	25.0	21.4	23.1	25.6	21.9	23.8	21.5	18.8	20.1
20	23.0	18.5	20.7	24.7	21.8	23.0	26.1	22.5	24.2	21.2	20.0	20.6
21	22.9	19.1	21.0	25.8	21.8	23.6	25.0	21.1	23.2	20.3	18.4	19.7
22	23.6	19.4	21.5	25.6	22.6	24.0	24.6	20.8	22.8	18.7	15.7	17.3
23	22.3	20.9	21.6	26.1	22.2	24.1	25.4	22.1	23.7	18.4	14.0	16.3
24	21.9	20.7	21.3	26.0	22.9	24.2	24.0	22.5	23.3	19.1	15.3	17.3
25	23.8	20.7	22.0	25.9	22.1	24.0	24.0	22.0	22.9	20.0	16.1	18.1
26	23.2	21.2	22.1	26.3	22.4	24.3	25.0	21.7	23.3	20.4	17.3	19.0
27	23.9	21.1	22.4	26.1	22.5	24.2	23.9	20.8	22.5	22.6	19.9	21.1
28	24.2	21.9	23.0	26.5	22.3	24.3	24.2	21.0	22.7	22.5	20.8	21.6
29	22.9	21.9	22.4	26.3	22.7	24.4	24.3	20.9	22.7	21.8	19.0	20.7
30	23.3	21.2	22.0	26.8	22.7	24.7	24.8	20.8	22.7	19.0	16.4	17.8
31	---	---	---	27.0	23.2	25.0	23.9	20.5	22.3	---	---	---
MONTH	24.8	18.4	21.9	27.0	20.3	23.2	27.7	20.5	23.6	24.6	14.0	20.4
YEAR	27.7	4.8	17.5									

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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

MOBILE RIVER BASIN

02456500 LOCUST FORK AT SAYRE, AL

LOCATION.--Lat 33°42'35", long 86°59'00", in NW 1/4 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 sea level (levels by 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.--No estimated daily discharges. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	52	84	1320	9010	3170	2430	656	497	4670	200	90
2	57	55	83	1350	5930	2320	2750	547	420	2910	184	81
3	59	58	83	3390	4250	3140	2280	475	379	2180	171	76
4	58	58	83	3080	3170	4550	1900	422	366	2000	158	71
5	59	58	82	2110	2490	3540	1610	390	357	1540	143	68
6	59	56	81	1610	2090	3260	1440	2270	1100	1170	129	67
7	67	56	85	1340	1840	3680	2120	6380	747	989	122	63
8	72	65	122	1230	1680	3040	2320	2840	503	910	116	65
9	69	69	129	1460	1500	2810	1800	1750	381	734	116	67
10	67	95	126	2250	1660	2750	1540	1280	312	713	113	72
11	63	180	139	2010	5350	2320	1320	1020	270	654	111	69
12	63	172	227	1600	2930	1990	1120	844	265	701	111	68
13	61	168	278	1380	2130	1920	938	728	313	722	118	71
14	58	153	294	1340	1730	4940	818	676	276	814	112	69
15	56	237	259	3260	1480	5010	839	626	490	636	98	61
16	56	219	224	3460	1320	3730	1140	548	841	521	96	54
17	55	209	193	2410	1360	2890	1190	474	885	480	92	51
18	54	228	169	2150	4620	2380	858	419	757	427	90	48
19	54	192	163	2330	4930	2010	724	381	565	399	90	49
20	53	155	172	1990	3710	1730	654	415	439	350	87	53
21	52	135	168	1660	2930	1830	600	496	347	322	83	60
22	49	120	189	1570	2320	2500	567	384	294	329	81	77
23	45	112	309	11100	1940	2190	518	346	259	309	81	74
24	44	105	3390	14500	1710	1820	472	349	261	282	80	65
25	44	100	5010	7580	1530	1690	450	364	528	438	78	65
26	45	94	2570	4400	1380	1540	418	318	1030	349	81	62
27	45	90	1700	2930	1300	1360	486	291	1700	369	179	59
28	46	87	1860	2300	2330	1210	1470	254	8980	281	230	60
29	48	86	3020	1980	---	1100	1180	231	16900	232	137	72
30	50	84	2610	3340	---	1120	834	217	9160	246	123	73
31	51	---	1750	9270	---	1470	---	248	---	236	104	---
TOTAL	1716	3548	25652	101700	78620	79010	36786	26639	49622	26913	3714	1980
MEAN	55.4	118	827	3281	2808	2549	1226	859	1654	868	120	66.0
MAX	72	237	5010	14500	9010	5010	2750	6380	16900	4670	230	90
MIN	44	52	81	1230	1300	1100	418	217	259	232	78	48
CFSM	.06	.13	.94	3.71	3.17	2.88	1.39	.97	1.87	.98	.14	.07
IN.	.07	.15	1.08	4.27	3.30	3.32	1.55	1.12	2.09	1.13	.16	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1999, BY WATER YEAR (WY)

	MEAN	377	920	1622	2890	3227	3394	2358	1257	564	489	268	338
MAX	3091	9451	5911	8224	9796	10170	7346	5386	5392	3055	1180	2712	
(WY)	1978	1930	1962	1947	1961	1980	1979	1929	1997	1989	1975	1979	
MIN	29.8	45.8	85.5	174	710	794	295	199	74.1	65.9	61.9	44.6	
(WY)	1932	1954	1944	1956	1968	1988	1986	1952	1988	1944	1953	1931	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1929 - 1999
ANNUAL TOTAL	593823	435900	
ANNUAL MEAN	1627	1194	1463
HIGHEST ANNUAL MEAN			2440
LOWEST ANNUAL MEAN			585
HIGHEST DAILY MEAN	30600	16900	54000
LOWEST DAILY MEAN	44	44	18
ANNUAL SEVEN-DAY MINIMUM	45	45	20
INSTANTANEOUS PEAK FLOW		17800	* 55300
INSTANTANEOUS PEAK STAGE		24.89	48.60
ANNUAL RUNOFF (CFSM)	1.84	1.35	1.65
ANNUAL RUNOFF (INCHES)	24.96	18.32	22.46
10 PERCENT EXCEEDS	4040	2970	3440
50 PERCENT EXCEEDS	283	415	540
90 PERCENT EXCEEDS	61	59	78

* Gage height of January 7, 1949 peak was 47.9 feet

MOBILE RIVER BASIN

02456980 FIVEMILE CREEK AT LAWSON ROAD NEAR TARRANT CITY, AL

LOCATION.--Lat 33°36'27", long 86°44'35", in SW¹/₄ sec. 27, T. 16 S., R. 2 W., Jefferson County, Hydrologic Unit 03160111, at bridge on Lawson Road, 2.5 mi northwest of Tarrant City, and at mile 36.1.

DRAINAGE AREA.--18.6 mi².

PERIOD OF RECORD.--May 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 580 ft above sea level, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	6.6	6.6	16	71	24	34	15	18	31	8.4	6.9
2	10	6.9	6.7	84	45	22	27	14	16	28	8.3	6.8
3	10	7.2	6.6	41	35	109	24	14	13	22	8.2	6.7
4	10	7.2	6.6	26	29	36	23	15	11	17	8.1	6.7
5	9.9	7.3	6.5	21	25	29	21	19	19	14	8.1	6.5
6	9.7	7.3	6.2	19	23	60	26	178	12	13	7.9	6.6
7	16	7.3	8.3	17	23	31	21	21	11	17	7.8	6.5
8	14	10	20	18	20	27	20	16	10	13	7.8	6.6
9	9.9	9.4	8.4	35	19	64	19	14	9.8	11	7.6	6.7
10	9.0	41	7.1	22	18	32	18	16	9.6	21	7.6	6.8
11	8.6	12	23	18	17	28	17	13	9.8	22	7.4	6.8
12	7.9	7.7	22	16	18	25	17	16	24	15	7.2	6.7
13	7.9	7.3	21	15	17	158	17	15	12	12	7.1	6.6
14	7.7	48	11	36	17	87	17	13	18	11	7.9	6.5
15	7.6	22	9.5	22	16	48	43	12	68	9.8	7.6	6.7
16	7.3	11	9.0	18	15	37	19	12	19	18	7.4	6.8
17	7.2	8.5	8.7	17	67	31	18	11	13	12	7.1	6.8
18	8.2	8.1	8.6	24	35	28	18	12	12	11	7.1	6.8
19	7.3	7.8	14	17	41	25	17	11	11	10	7.0	6.5
20	7.3	8.2	9.2	15	27	24	16	11	11	13	7.0	6.5
21	7.2	8.2	7.9	14	24	31	16	11	10	10	7.1	17
22	7.4	7.6	18	14	22	22	15	12	9.9	8.7	7.1	7.2
23	7.6	7.3	23	248	21	21	15	18	12	8.2	7.0	6.9
24	7.6	7.3	183	38	20	21	16	17	52	62	13	6.8
25	7.4	7.1	32	28	19	25	15	12	22	16	7.6	6.7
26	6.9	6.8	21	22	18	21	15	11	19	11	7.2	6.3
27	6.5	7.1	17	20	36	20	29	11	65	10	7.2	6.1
28	6.5	7.0	79	18	40	19	17	10	572	9.7	7.1	6.0
29	6.5	7.0	30	39	---	18	16	10	60	28	7.0	7.8
30	6.5	6.9	22	170	---	18	15	30	61	17	6.9	7.0
31	6.5	---	18	156	---	73	---	37	---	8.9	6.9	---
TOTAL	262.1	323.1	669.9	1264	778	1214	601	627	1210.1	510.3	236.7	211.3
MEAN	8.45	10.8	21.6	40.8	27.8	39.2	20.0	20.2	40.3	16.5	7.64	7.04
MAX	16	48	183	248	71	158	43	178	572	62	13	17
MIN	6.5	6.6	6.2	14	15	18	15	10	9.6	8.2	6.9	6.0
CFSM	.45	.58	1.16	2.19	1.49	2.11	1.08	1.09	2.17	.89	.41	.38
IN.	.52	.65	1.34	2.53	1.56	2.43	1.20	1.25	2.42	1.02	.47	.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1999, BY WATER YEAR (WY)

	1996	1997	1998	1999	1996	1997	1998	1999	1996	1997	1998	1999
MEAN	12.2	15.0	20.5	50.4	40.5	42.3	36.4	23.8	31.8	25.4	21.8	12.5
MAX	16.0	19.1	21.6	71.6	63.1	53.6	63.4	30.5	57.8	33.1	47.8	15.9
(WY)	1998	1998	1999	1998	1998	1998	1998	1998	1997	1996	1998	1996
MIN	8.45	10.8	18.5	38.9	27.8	34.3	20.0	20.2	13.9	16.5	7.64	7.04
(WY)	1999	1999	1997	1997	1999	1997	1999	1999	1996	1999	1999	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1996 - 1999
ANNUAL TOTAL	12819.5	7907.5	
ANNUAL MEAN	35.1	21.7	28.0
HIGHEST ANNUAL MEAN			36.4
LOWEST ANNUAL MEAN			21.7
HIGHEST DAILY MEAN	965	572	965
LOWEST DAILY MEAN	6.2	6.0	6.0
ANNUAL SEVEN-DAY MINIMUM	6.6	6.6	6.6
INSTANTANEOUS PEAK FLOW		2850	3490
INSTANTANEOUS PEAK STAGE		6.89	7.96
ANNUAL RUNOFF (CFSM)	1.89	1.16	1.50
ANNUAL RUNOFF (INCHES)	25.64	15.81	20.44
10 PERCENT EXCEEDS	61	36	46
50 PERCENT EXCEEDS	17	14	16
90 PERCENT EXCEEDS	7.5	6.8	8.2

MOBILE RIVER BASIN

02456998 BARTON BRANCH NEAR TARRANT CITY, AL

LOCATION.--Lat 33°36'38", long 86°33'33", in SW¹/₄ sec 28, T. 16 S., R. 2 W., Jefferson County, Hydrologic Unit 03160111, at middle of channel on downstream side of bridge, 0.5 mi from mouth, and 1.8 mi north of Tarrant City.

DRAINAGE AREA.--3.11 mi².

PERIOD OF RECORD.--May 27, 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 580 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges: Oct. 3-4, 10-17, 2-24, 27-30, Sept. 3-20. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	1.1	1.5	3.0	15	4.3	6.1	1.8	4.7	7.0	2.4	1.2
2	.92	1.1	1.4	50	9.7	5.2	5.0	1.7	3.5	4.8	2.1	1.1
3	e.90	1.1	1.4	9.7	7.3	42	4.7	1.7	2.6	3.9	2.0	e1.0
4	e.89	1.1	1.4	6.1	6.0	7.0	4.1	1.9	2.4	3.6	2.0	e.96
5	.88	1.1	1.4	4.7	5.7	5.4	3.8	3.4	17	3.7	1.7	e.94
6	.87	1.1	1.4	3.9	5.7	18	6.1	57	3.3	3.7	1.7	e.97
7	2.7	1.1	4.9	3.9	5.8	5.9	3.5	3.3	3.3	3.9	1.7	e.94
8	1.3	1.6	4.4	5.3	5.2	5.2	3.2	2.6	3.3	3.5	1.5	e.96
9	.92	1.5	1.8	10	4.7	20	2.8	2.4	3.8	3.1	1.4	e.98
10	e.90	15	1.4	4.7	3.9	6.2	2.4	2.9	4.1	14	1.4	e.99
11	e.90	2.0	14	4.3	3.5	5.4	2.2	2.0	4.2	4.1	1.4	e.97
12	e.89	1.2	5.2	4.0	3.5	4.9	1.9	2.0	10	4.0	1.3	e.94
13	e.88	1.1	5.6	4.0	2.9	74	1.8	1.9	3.6	2.1	1.3	e.92
14	e.87	17	2.2	33	2.8	22	1.7	1.7	20	2.0	1.4	e.91
15	e.85	4.6	1.8	6.5	2.6	9.9	21	1.7	107	2.0	1.3	e.94
16	e.83	1.8	1.6	4.2	2.4	7.1	3.3	1.6	5.8	8.7	1.2	e.95
17	e.80	1.5	1.4	3.9	71	6.0	2.9	1.6	2.9	2.6	1.2	e.95
18	.97	1.4	1.4	6.7	11	5.2	2.6	1.6	2.4	2.6	1.2	e.94
19	.92	1.4	3.8	4.0	9.5	4.7	2.4	1.6	2.1	2.8	1.3	e.92
20	e.90	1.4	1.8	4.1	5.3	5.9	2.2	1.6	2.0	2.0	1.3	e.90
21	e.88	1.4	1.7	4.1	4.3	7.1	2.1	1.6	2.0	1.9	1.4	1.4
22	e.86	1.4	6.1	4.8	3.7	4.3	2.0	2.1	1.7	1.7	1.4	1.1
23	e.84	1.4	9.8	142	3.3	3.9	2.0	7.4	1.9	1.7	1.4	1.1
24	e.84	1.4	84	8.3	3.2	4.3	2.2	3.4	24	10	3.0	1.1
25	1.1	1.5	5.2	5.6	3.0	5.8	2.0	1.7	10	2.0	1.4	1.2
26	.92	1.6	3.7	4.4	2.9	3.8	2.0	1.7	5.1	1.7	1.2	1.3
27	e.85	1.7	3.2	4.0	14	3.4	13	1.7	37	1.4	1.2	1.3
28	e.82	1.4	38	3.7	10	3.3	2.7	1.7	207	1.4	1.1	1.4
29	e.81	1.4	4.8	23	---	3.3	2.2	1.7	13	21	1.2	1.6
30	e.81	1.4	3.3	77	---	3.3	2.0	6.9	13	5.7	1.1	1.7
31	.96	---	3.1	40	---	25	---	28	---	2.4	1.1	---
TOTAL	29.78	73.8	222.7	492.9	227.9	331.8	115.9	153.9	522.7	135.0	46.3	32.58
MEAN	.96	2.46	7.18	15.9	8.14	10.7	3.86	4.96	17.4	4.35	1.49	1.09
MAX	2.7	17	84	142	71	74	21	57	207	21	3.0	1.7
MIN	.80	1.1	1.4	3.0	2.4	3.3	1.7	1.6	1.7	1.4	1.1	.90
CFSM	.31	.79	2.31	5.11	2.62	3.44	1.24	1.60	5.60	1.40	.48	.35
IN.	.36	.88	2.66	5.90	2.73	3.97	1.39	1.84	6.25	1.61	.55	.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1999, BY WATER YEAR (WY)

MEAN	2.95	4.63	6.50	14.8	12.0	11.5	9.35	5.41	9.67	6.07	4.29	3.63
MAX	4.97	6.56	7.18	16.9	18.8	15.3	16.7	5.78	17.4	8.08	7.94	5.89
(WY)	1998	1998	1999	1998	1998	1998	1998	1997	1999	1997	1998	1997
MIN	.96	2.46	5.59	11.6	8.14	8.58	3.86	4.96	2.60	4.35	1.49	1.09
(WY)	1999	1999	1997	1997	1999	1997	1999	1999	1996	1999	1999	1999

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1996 - 1999

ANNUAL TOTAL	3067.62	2385.26	
ANNUAL MEAN	8.40	6.53	7.67
HIGHEST ANNUAL MEAN			9.04
LOWEST ANNUAL MEAN			6.53
HIGHEST DAILY MEAN	211	207	211
LOWEST DAILY MEAN	.80	.80	.80
ANNUAL SEVEN-DAY MINIMUM	.86	.86	.86
INSTANTANEOUS PEAK FLOW		1510	1760
INSTANTANEOUS PEAK STAGE		4.40	4.53
ANNUAL RUNOFF (CFSM)	2.70	2.10	2.47
ANNUAL RUNOFF (INCHES)	36.69	28.53	33.51
10 PERCENT EXCEEDS	15	10	14
50 PERCENT EXCEEDS	2.7	2.4	3.3
90 PERCENT EXCEEDS	1.1	.96	1.4

e Estimated

MOBILE RIVER BASIN

02457000 FIVEMILE CREEK AT KETONA, AL

LOCATION.--Lat 33°36'05", long 86°45'20", in NW¹/₄ sec 33, T. 16 S., T. 2 W., Jefferson County, Hydrologic Unit 03160111, near center of stream on downstream side of foot bridge at Ketona, 0.6 mi downstream from Barton Branch, 0.9 mi downstream from Tarrant Spring Branch, 2 mi north of Tarrant City, and at mile 35.2.

DRAINAGE AREA.--23.9 mi².

PERIOD OF RECORD.--October 1953 to September 1958. October 1958 to November 1974 (annual maximums only). December 1974 to September 1979. May 9, 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 546.70 ft above sea level.

REMARKS.--Estimated daily discharges: June 18-23. Records good except those for estimated discharges, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	7.6	7.9	19	127	30	44	15	23	48	12	7.7
2	11	8.0	7.9	163	74	28	35	15	18	37	12	7.7
3	11	7.9	7.9	61	52	183	31	15	15	30	11	7.7
4	11	7.9	7.9	32	40	48	28	15	14	25	11	7.5
5	11	7.9	7.9	26	34	38	26	20	33	22	11	7.3
6	11	7.9	7.9	23	31	94	34	238	14	21	10	7.5
7	18	7.9	11	22	29	40	25	26	13	24	10	7.4
8	14	9.9	21	25	25	35	24	19	13	21	10	7.3
9	9.2	9.6	9.0	50	23	104	23	17	13	19	9.9	7.4
10	8.7	71	8.1	26	22	44	21	20	13	37	9.6	7.2
11	8.6	14	37	22	21	36	20	15	13	31	9.5	7.1
12	8.5	9.1	27	21	21	32	19	18	31	21	9.3	7.3
13	8.5	8.6	24	19	20	247	19	16	14	17	9.3	7.3
14	8.5	85	12	71	19	146	18	15	33	17	9.7	7.1
15	8.5	26	9.6	30	18	66	68	14	152	16	9.1	7.0
16	8.5	11	9.1	23	17	47	21	14	25	28	9.0	7.0
17	8.5	9.4	9.1	21	155	40	19	14	16	18	8.8	6.8
18	9.1	9.1	8.8	32	54	35	18	14	e15	17	8.8	6.8
19	8.5	9.1	15	21	59	31	18	13	e14	17	8.8	6.8
20	8.2	8.9	9.4	19	35	30	17	13	e13	18	8.7	6.7
21	7.9	8.8	8.8	18	30	40	17	13	e12	16	8.6	18
22	7.7	8.6	20	16	27	27	16	14	e11	14	8.8	7.5
23	7.6	8.5	28	422	25	24	16	27	e11	14	8.4	7.3
24	7.7	8.5	335	56	23	25	16	20	84	83	15	7.3
25	7.9	8.5	41	37	22	31	15	13	35	19	9.4	7.3
26	7.9	8.2	26	29	21	24	15	13	26	14	8.7	7.2
27	7.8	8.2	21	25	54	22	44	13	121	13	8.4	7.2
28	7.6	8.2	147	22	61	21	18	13	761	12	8.2	7.2
29	7.6	8.2	41	64	---	20	16	12	109	52	8.1	8.7
30	7.6	8.0	27	329	---	20	15	38	94	26	8.0	7.8
31	7.6	---	22	286	---	111	---	68	---	13	7.8	---
TOTAL	287.2	419.5	974.3	2030	1139	1719	716	790	1759	760	296.9	230.1
MEAN	9.26	14.0	31.4	65.5	40.7	55.5	23.9	25.5	58.6	24.5	9.58	7.67
MAX	18	85	335	422	155	247	68	238	761	83	15	18
MIN	7.6	7.6	7.9	16	17	20	15	12	11	12	7.8	6.7
CFSM	.39	.59	1.32	2.74	1.70	2.32	1.00	1.07	2.45	1.03	.40	.32
IN.	.45	.65	1.52	3.16	1.77	2.68	1.11	1.23	2.74	1.18	.46	.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1999, BY WATER YEAR (WY)

	MEAN	21.0	21.3	29.9	58.6	57.8	80.9	67.2	35.0	31.6	26.9	19.8	23.1
MAX	106	60.9	56.5	118	101	235	210	76.9	82.6	44.1	58.6	72.4	72.4
(WY)	1978	1978	1975	1975	1975	1976	1979	1978	1997	1996	1998	1979	1979
MIN	6.41	8.71	11.0	8.40	31.0	33.9	22.3	16.9	12.0	9.68	9.14	6.79	6.79
(WY)	1955	1955	1956	1956	1954	1954	1978	1954	1954	1954	1954	1954	1954

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1954 - 1999
ANNUAL TOTAL	17968.0	11121.0	
ANNUAL MEAN	49.2	30.5	38.3
HIGHEST ANNUAL MEAN			55.7
LOWEST ANNUAL MEAN			20.6
HIGHEST DAILY MEAN	1210	761	2410
LOWEST DAILY MEAN	7.6	6.7	4.8
ANNUAL SEVEN-DAY MINIMUM	7.7	6.9	5.4
INSTANTANEOUS PEAK FLOW		2980	4970
INSTANTANEOUS PEAK STAGE		9.76	14.94
ANNUAL RUNOFF (CFSM)	2.06	1.27	1.60
ANNUAL RUNOFF (INCHES)	27.97	17.31	21.78
10 PERCENT EXCEEDS	94	53	69
50 PERCENT EXCEEDS	21	16	20
90 PERCENT EXCEEDS	8.5	7.8	8.6

e Estimated

MOBILE RIVER BASIN

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL

LOCATION.--Lat 33°35'49", long 86°52'05", in SE 1/4 sec. 32, T. 16 S., R. 3 W., Jefferson County, Hydrologic Unit 03160111, on left bank 1,000 ft upstream from Fivemile Creek Wastewater Treatment Plant, 1.1 mi downstream from Coalburg Road bridge, 1.2 mi southeast of Republic, and at mile 24.8.

DRAINAGE AREA.--51.9 mi²

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 396.08 ft above sea level.

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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	21	28	60	383	139	149	46	81	117	36	20
2	28	21	26	196	230	114	111	42	50	73	42	20
3	27	22	27	416	175	467	94	43	47	65	31	21
4	29	20	29	114	136	195	84	43	39	51	28	20
5	27	24	29	81	113	145	79	60	69	45	26	19
6	26	22	27	69	102	247	95	479	43	43	26	19
7	31	19	28	66	97	170	80	89	38	48	25	20
8	52	23	60	68	90	136	74	62	38	50	24	20
9	34	30	44	131	89	251	68	52	36	44	26	22
10	26	47	34	100	82	162	64	53	36	42	26	21
11	25	139	59	75	77	132	58	46	34	73	25	19
12	24	40	103	66	76	115	56	45	67	52	24	19
13	22	30	76	61	72	107	52	50	52	40	22	19
14	22	120	49	121	64	903	52	45	45	36	22	19
15	20	106	40	172	61	230	150	39	218	35	21	18
16	20	52	36	88	61	165	67	36	76	111	22	17
17	19	42	34	72	385	137	55	37	42	57	23	17
18	21	37	30	86	252	120	51	36	36	43	23	18
19	21	33	35	73	195	104	51	36	33	48	22	18
20	18	35	43	65	142	97	48	36	29	38	21	19
21	18	38	34	61	115	129	48	35	29	38	21	32
22	18	34	55	54	99	95	48	34	30	36	20	23
23	18	34	68	1180	92	90	48	40	31	33	21	20
24	20	32	738	255	89	88	47	71	152	71	35	19
25	17	32	146	157	83	98	45	42	73	51	32	16
26	17	30	84	123	83	84	46	41	69	32	25	15
27	18	29	71	103	81	75	134	37	274	30	23	15
28	19	28	333	94	248	70	70	33	1570	31	20	16
29	19	28	153	136	---	71	57	33	246	55	19	23
30	22	28	89	988	---	69	51	49	153	109	19	24
31	21	---	66	892	---	249	---	111	---	33	19	---
TOTAL	726	1196	2674	6223	3772	5254	2132	1901	3736	1630	769	588
MEAN	23.4	39.9	86.3	201	135	169	71.1	61.3	125	52.6	24.8	19.6
MAX	52	139	738	1180	385	903	150	479	1570	117	42	32
MIN	17	19	26	54	61	69	45	33	29	30	19	15
CFSM	.45	.77	1.66	3.87	2.60	3.27	1.37	1.18	2.40	1.01	.48	.38
IN.	.52	.86	1.92	4.46	2.70	3.77	1.53	1.36	2.68	1.17	.55	.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1999, BY WATER YEAR (WY)

MEAN	60.7	76.4	81.7	180	155	183	101	75.5	68.4	65.6	44.7	46.5
MAX	271	190	144	338	379	433	260	205	177	197	119	73.0
(WY)	1996	1993	1995	1996	1990	1996	1998	1991	1997	1989	1992	1988
MIN	22.4	28.9	51.0	49.1	91.0	72.6	48.0	27.1	19.1	25.5	20.3	19.6
(WY)	1991	1991	1994	1991	1992	1992	1990	1992	1988	1988	1988	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1988 - 1999
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ANNUAL TOTAL	44822		30601			
ANNUAL MEAN	123		83.8		95.3	
HIGHEST ANNUAL MEAN					151	1996
LOWEST ANNUAL MEAN					58.7	1992
HIGHEST DAILY MEAN	3570	Jan 7	1570	Jun 28	4250	Mar 6 1996
LOWEST DAILY MEAN	17	Oct 25, 26	15	Sep 26, 27	14	Aug 15 1988
						Sep 18-21 1997
ANNUAL SEVEN-DAY MINIMUM	18	Oct 20	18	Sep 22	15	Sep 15 1997
INSTANTANEOUS PEAK FLOW			4630	Jun 28	8990	Jan 26 1996
INSTANTANEOUS PEAK STAGE			10.40	Jun 28	15.60	Jan 26 1996
ANNUAL RUNOFF (CFSM)	2.37		1.62		1.84	
ANNUAL RUNOFF (INCHES)	32.13		21.93		24.95	
10 PERCENT EXCEEDS	219		149		167	
50 PERCENT EXCEEDS	50		45		48	
90 PERCENT EXCEEDS	26		20		22	

MOBILE RIVER BASIN

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--October 1988 to current year.

PERIOD OF DAILY RECORD--

SPECIFIC CONDUCTANCE: October 1988 to current year.

WATER TEMPERATURES: October 1988 to current year.

DISSOLVED OXYGEN: October 1988 to current year.

INSTRUMENTATION--Water-quality monitor since September 1988.

REMARKS--Specific conductance values exceeded mini-monitor limits during several periods in July and August 1995. August 16, 1995 limits were changed to read 0-10,000 microSiemens. Records good.

EXTREMES FOR PERIOD OF RECORD--

SPECIFIC CONDUCTANCE: Maximum, 1,790 microSiemens, Nov. 7, 1998; minimum, 84 microSiemens, Apr. 8, 1998.

WATER TEMPERATURES: Maximum, 30.2°C, July 25, 1993; minimum, 0°C, Dec. 23, 24, 1989.

DISSOLVED OXYGEN: Maximum, 17.7 mg/L, Feb. 20, 1991; minimum, 2.6 mg/L, Oct. 14, 15, 1993.

EXTREMES FOR CURRENT YEAR--

SPECIFIC CONDUCTANCE: Maximum, 1,790 microSiemens, Nov. 7; minimum, 167 microSiemens, Jan. 30.

WATER TEMPERATURE: Maximum, 29.9°C, July 31; minimum, 3.3°C, Jan. 5.

DISSOLVED OXYGEN: Maximum, 15.7 mg/L, May 29; minimum, 4.5 mg/L, Aug. 17, Sept. 6.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	1200	1090	1160	1510	1290	1370	1010	845	933	739	703	724
2	1130	1050	1090	1480	1170	1320	1160	923	1050	733	286	582
3	1130	1010	1080	1180	1050	1110	1190	1010	1120	492	318	417
4	1010	839	895	1440	1050	1240	1100	990	1050	579	487	535
5	1030	921	993	1780	1420	1570	1060	859	979	632	579	613
6	980	888	927	1760	1540	1680	1090	950	990	607	578	596
7	948	849	904	1790	1530	1650	1140	1010	1090	663	572	612
8	914	683	773	1750	1310	1500	1110	582	796	659	627	641
9	1220	914	1140	1310	1040	1120	919	677	829	649	527	588
10	1310	1190	1230	1130	435	871	1080	918	1000	728	616	695
11	1240	1080	1180	982	439	668	1080	574	912	761	676	738
12	1080	947	1030	1270	982	1170	574	350	420	713	643	685
13	995	951	973	1320	1260	1280	556	512	532	750	641	704
14	1130	944	1030	1290	395	842	720	533	630	735	338	575
15	1230	1100	1160	687	426	570	804	720	766	542	346	464
16	1180	1070	1130	865	687	810	811	731	774	608	542	583
17	1110	1050	1080	960	816	889	815	756	784	633	580	609
18	1080	949	1030	1090	960	1040	973	780	879	663	604	629
19	1080	910	997	1080	890	967	972	713	855	738	663	706
20	1230	1040	1160	955	865	911	728	601	655	725	676	697
21	1520	1170	1370	1060	810	934	838	710	791	713	687	701
22	1580	1390	1500	1200	1060	1160	802	575	683	801	686	732
23	1570	1360	1430	1230	1140	1190	785	495	698	801	213	344
24	1560	1190	1400	1140	1010	1070	495	223	322	489	402	448
25	1230	1140	1190	1070	1030	1050	552	393	474	585	486	511
26	1150	1090	1120	1050	865	959	625	546	589	536	508	520
27	1180	1070	1120	1180	933	1060	653	624	639	566	523	544
28	1240	1120	1180	1120	1060	1090	632	295	442	636	538	596
29	1240	1120	1190	1060	1010	1030	515	387	464	660	397	623
30	1240	1180	1210	1030	925	975	616	511	563	397	167	255
31	1310	1230	1270	---	---	---	712	616	672	260	185	225
MONTH	1580	683	1130	1790	395	1100	1190	223	754	801	167	577

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	327	260	294	637	535	585	475	338	424	900	846	876
2	361	323	339	642	590	628	515	475	493	899	861	878
3	416	361	394	590	216	336	532	487	507	871	798	824
4	460	400	417	471	389	431	587	524	550	845	804	827
5	491	459	475	497	469	483	634	582	602	834	693	772
6	498	479	489	507	313	401	634	528	589	800	207	418
7	493	477	485	537	441	502	625	531	590	620	445	545
8	576	491	535	582	536	555	634	596	615	656	620	640
9	573	538	557	582	352	440	651	601	631	665	652	658
10	727	538	688	573	485	528	720	651	690	716	665	687
11	727	700	717	606	569	588	702	683	692	771	681	745
12	728	692	704	629	597	611	731	692	707	774	714	748
13	752	680	726	633	267	546	795	725	772	790	662	734
14	735	685	715	371	267	333	813	772	793	772	718	742
15	719	671	696	460	370	395	783	318	491	872	772	840
16	678	643	659	441	420	431	713	467	629	862	768	803
17	673	342	546	464	437	448	736	706	722	781	739	764
18	517	403	463	495	453	472	721	684	710	855	770	809
19	530	417	489	533	477	512	718	689	701	910	830	876
20	552	499	534	565	530	554	741	702	718	972	853	951
21	602	544	564	553	457	499	783	732	761	973	814	930
22	641	599	622	656	553	594	792	748	769	928	881	910
23	670	618	642	687	656	673	834	763	795	910	758	838
24	647	610	627	708	669	690	854	794	826	797	457	581
25	650	635	643	678	630	662	854	780	802	920	739	868
26	653	632	641	659	605	631	825	789	805	926	886	907
27	665	419	640	692	650	674	813	344	621	927	903	916
28	543	325	411	687	641	657	725	443	610	1000	916	960
29	---	---	---	685	617	645	799	725	772	1030	996	1010
30	---	---	---	726	684	710	858	794	835	1030	556	965
31	---	---	---	725	271	506	---	---	---	583	368	446
MONTH	752	260	561	726	216	539	858	318	674	1030	207	789
	JUNE			JULY			AUGUST			SEPTEMBER		
1	677	420	520	523	365	445	696	487	676	1190	1060	1120
2	827	677	772	582	523	558	622	487	573	1080	1020	1050
3	838	714	777	592	548	569	712	622	671	1090	1000	1040
4	851	794	818	615	574	594	846	712	776	1020	980	996
5	900	479	705	650	615	632	881	837	859	1030	959	993
6	849	556	720	685	650	666	990	872	915	1020	959	992
7	914	849	865	711	676	697	889	814	853	1080	982	1020
8	951	903	924	708	667	690	821	778	803	1080	1000	1030
9	977	951	964	758	700	730	840	821	831	1090	990	1040
10	1040	968	1000	780	757	766	836	803	820	1130	1040	1090
11	1040	1010	1030	760	378	511	882	833	850	1200	1100	1140
12	1060	673	954	660	554	617	902	815	873	1280	1080	1200
13	867	652	725	708	638	670	973	900	929	1190	1010	1090
14	926	837	905	752	708	731	1030	944	985	1050	1000	1030
15	917	361	632	756	724	739	1020	965	986	1250	1050	1140
16	656	400	551	760	198	640	1080	1000	1030	1410	1200	1270
17	778	656	711	761	649	730	1070	969	1030	1560	1220	1360
18	906	778	855	764	625	745	1030	970	1000	1500	1350	1430
19	942	903	921	743	610	677	1070	974	1010	1540	1200	1350
20	910	842	867	776	691	753	1070	917	1020	1300	1110	1200
21	943	860	900	791	671	743	1070	990	1030	1280	798	1120
22	1020	943	982	763	679	745	1130	996	1050	1110	806	975
23	1020	956	995	729	630	672	1060	955	1020	1220	1100	1160
24	966	334	611	747	234	679	1050	782	961	1300	1180	1220
25	758	538	678	538	234	390	811	654	729	1480	1200	1310
26	708	515	603	662	538	610	910	809	861	1540	1350	1460
27	731	295	490	691	662	684	995	901	935	1560	1440	1510
28	558	190	356	749	686	719	1060	984	1010	1600	1460	1530
29	416	323	371	760	407	730	1100	999	1060	1610	1440	1540
30	529	416	464	530	276	387	1160	1050	1100	1530	1290	1390
31	---	---	---	672	530	623	1200	1050	1120	---	---	---
MONTH	1060	190	756	791	198	650	1200	487	915	1610	798	1190
YEAR	1790	167	804									

MOBILE RIVER BASIN

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	25.3	22.4	23.8	18.7	15.5	17.2	15.9	12.7	14.1	9.4	6.9	8.2
2	24.3	21.5	23.0	17.8	16.3	17.1	15.2	11.7	13.4	10.9	9.4	10.1
3	24.7	22.5	23.6	17.8	15.6	17.0	16.1	12.9	14.4	10.3	6.9	8.5
4	25.7	23.0	24.3	16.3	14.2	15.2	16.9	13.5	15.2	6.9	4.8	5.9
5	25.1	23.1	24.1	14.8	13.0	14.1	18.6	16.1	17.2	5.1	3.3	4.2
6	24.5	23.5	24.0	13.0	10.6	11.8	19.4	17.0	18.2	6.7	3.9	5.2
7	23.9	22.7	23.4	11.9	8.7	10.4	20.1	18.5	19.2	10.4	6.7	8.7
8	22.7	19.8	21.5	13.1	10.8	11.7	19.6	16.7	18.8	12.6	10.4	11.6
9	20.0	17.2	18.7	16.7	13.1	15.0	16.7	12.7	15.0	12.6	7.9	10.9
10	19.4	15.9	17.7	18.1	16.1	16.9	13.4	11.1	12.4	7.9	5.9	6.7
11	19.6	15.9	17.7	17.3	13.2	15.6	13.6	12.9	13.2	8.0	5.4	6.6
12	19.9	16.2	18.0	14.3	11.6	13.0	13.4	12.4	12.8	10.2	6.8	8.5
13	19.9	16.5	18.2	15.1	13.2	14.2	13.7	13.0	13.5	13.1	10.2	11.7
14	19.4	16.2	17.8	15.1	14.4	14.8	13.0	11.4	12.6	13.7	12.0	13.0
15	19.1	15.3	17.3	16.7	15.1	15.8	11.7	9.4	10.4	12.0	9.4	10.6
16	20.1	16.9	18.4	17.1	15.2	16.2	10.5	7.7	9.0	11.0	8.1	9.5
17	20.0	16.6	18.3	18.8	15.5	17.2	10.5	8.2	9.1	13.2	9.9	11.6
18	21.4	18.1	19.6	16.1	13.0	14.7	9.1	6.4	7.9	14.3	11.6	13.2
19	21.8	19.9	20.9	17.7	14.9	16.2	11.6	8.7	10.1	12.3	9.8	11.0
20	22.2	19.6	21.0	17.0	14.6	16.3	13.7	11.2	12.5	14.5	10.9	12.8
21	19.8	17.8	18.8	14.7	12.5	13.6	15.9	13.7	14.8	16.1	13.1	14.6
22	17.8	15.2	16.5	14.0	10.8	12.6	16.1	10.0	13.1	16.8	15.3	16.0
23	15.5	12.8	14.2	16.4	13.8	15.1	10.0	7.7	8.7	16.8	14.3	15.4
24	15.0	11.6	13.4	18.2	16.3	17.0	8.2	6.8	7.6	14.3	12.1	13.2
25	15.6	11.9	13.7	17.5	15.7	16.6	8.7	7.8	8.2	13.2	10.6	12.0
26	16.0	12.3	14.2	17.2	13.9	15.9	9.8	8.7	9.3	14.2	11.3	12.6
27	16.4	12.8	14.6	14.5	11.5	13.0	9.9	8.1	9.0	14.9	11.6	13.1
28	16.8	13.3	15.1	14.1	10.5	12.2	11.0	9.5	10.1	14.8	12.6	13.7
29	17.6	14.0	15.8	14.1	10.5	12.2	11.7	10.9	11.3	15.7	13.6	14.7
30	18.7	15.2	17.0	14.2	10.5	12.4	10.9	8.4	9.6	15.5	14.3	14.9
31	19.5	16.5	17.9	---	---	---	9.7	7.5	8.4	14.3	12.3	13.2
MONTH	25.7	11.6	18.8	18.8	8.7	14.7	20.1	6.4	12.2	16.8	3.3	11.0
FEBRUARY			MARCH			APRIL			MAY			
1	12.6	11.9	12.2	14.5	10.8	12.6	18.1	14.3	16.0	19.7	14.9	17.3
2	14.3	12.4	13.3	15.1	11.0	13.1	18.8	15.3	17.0	20.5	15.6	18.1
3	14.2	12.2	13.3	14.4	11.1	12.8	21.8	16.6	19.1	21.2	16.7	19.0
4	15.6	13.2	14.2	12.6	9.2	10.9	21.4	18.7	19.9	20.9	18.0	19.6
5	14.0	11.0	12.4	13.2	9.7	11.5	22.9	17.4	20.0	20.8	19.3	20.1
6	15.3	11.3	13.2	14.8	12.4	13.5	21.3	19.7	20.3	20.7	18.2	19.4
7	17.1	14.3	15.5	13.6	11.1	12.4	22.9	18.7	20.6	21.3	18.6	19.8
8	16.9	13.5	15.1	12.2	10.8	11.6	22.2	20.0	21.1	21.5	17.2	19.4
9	16.9	14.2	15.5	14.0	10.8	12.3	23.4	20.0	21.4	22.0	17.7	19.9
10	17.3	15.9	16.5	14.2	10.9	12.5	23.0	20.2	21.6	22.3	18.9	20.7
11	18.3	15.2	16.7	13.1	11.3	12.1	24.5	20.7	22.2	22.9	19.4	21.2
12	17.5	12.2	15.2	14.1	10.0	12.0	21.9	18.0	19.9	21.8	20.5	21.3
13	12.6	10.0	11.1	13.2	9.8	12.1	20.0	15.7	18.0	22.6	20.2	21.2
14	11.7	8.0	9.7	11.6	9.8	11.0	19.6	15.6	17.7	21.8	18.3	20.2
15	11.7	7.6	9.6	13.5	10.2	11.6	18.7	16.8	17.8	22.4	18.4	20.5
16	13.1	8.9	11.0	14.5	10.1	12.3	18.5	14.7	16.5	23.3	19.7	21.5
17	13.6	12.7	13.1	15.6	11.3	13.3	16.6	13.5	15.2	24.1	19.9	22.1
18	12.7	11.7	12.1	16.9	12.3	14.5	16.9	12.4	14.7	22.9	20.8	21.8
19	13.0	11.5	12.1	17.0	12.8	14.8	18.6	12.8	15.7	23.6	19.8	21.7
20	13.3	10.2	11.7	16.2	12.7	14.5	21.2	16.3	18.5	23.3	18.8	21.1
21	12.8	10.1	11.6	16.8	13.6	14.9	22.1	16.9	19.5	24.1	19.9	22.0
22	11.3	8.1	9.6	16.5	11.8	14.0	21.8	18.5	20.1	24.0	21.0	22.5
23	9.6	8.9	9.2	16.3	11.7	14.0	23.3	19.6	21.4	24.8	21.4	23.0
24	12.4	8.4	10.1	16.3	13.9	15.1	22.1	20.4	21.0	24.0	20.9	22.5
25	11.8	8.7	10.5	16.0	13.7	14.9	22.6	19.3	21.0	24.3	19.8	22.2
26	15.3	11.5	13.3	16.0	11.5	13.6	21.7	20.0	20.9	23.5	21.6	22.5
27	15.3	13.8	14.5	16.3	10.7	13.4	21.2	20.1	20.5	24.2	20.6	22.3
28	15.4	12.8	14.1	17.3	11.1	14.2	22.7	19.1	20.7	23.7	19.7	21.8
29	---	---	---	16.8	14.0	15.2	21.0	18.7	19.5	23.8	20.1	22.0
30	---	---	---	15.4	14.0	14.8	18.7	16.8	17.7	23.2	21.6	22.4
31	---	---	---	14.8	13.7	14.1	---	---	---	21.8	20.9	21.3
MONTH	18.3	7.6	12.7	17.3	9.2	13.2	24.5	12.4	19.2	24.8	14.9	21.0

MOBILE RIVER BASIN

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	23.9	20.6	22.1	24.7	22.5	23.4	29.6	26.7	28.1	26.2	22.8	24.5
2	23.5	22.1	22.9	25.8	23.7	24.6	29.3	26.4	27.8	25.5	22.7	24.2
3	25.7	21.7	23.6	26.5	23.2	24.8	28.6	25.7	27.2	25.2	23.7	24.4
4	26.3	23.1	24.8	27.1	23.7	25.3	28.1	24.9	26.6	26.5	23.1	24.8
5	25.4	23.2	24.1	27.5	23.8	25.7	27.7	24.3	26.0	26.8	23.7	25.3
6	25.9	22.2	24.0	28.1	24.6	26.3	27.7	24.1	26.0	26.8	24.4	25.7
7	26.2	22.5	24.4	27.6	25.4	26.4	27.8	24.6	26.3	26.7	24.1	25.4
8	26.4	23.0	24.7	26.7	24.5	25.6	27.6	25.3	26.4	26.2	24.0	25.2
9	26.1	23.5	24.9	27.5	24.7	26.0	28.2	25.8	27.0	25.7	24.2	24.9
10	26.5	23.8	25.0	28.0	25.0	26.4	28.4	25.9	27.1	24.6	21.7	23.3
11	25.2	23.6	24.3	26.7	24.3	25.5	29.0	25.9	27.4	23.6	20.1	21.9
12	24.8	23.2	23.9	26.2	24.3	25.2	29.4	26.6	28.0	24.4	20.6	22.4
13	25.6	22.6	24.0	25.5	23.7	24.6	29.8	27.0	28.4	24.8	21.6	23.3
14	25.9	23.5	24.6	25.9	22.9	24.4	29.3	26.6	27.8	25.4	23.0	24.1
15	24.8	23.3	23.8	26.4	22.9	24.7	27.2	23.9	25.7	23.3	20.4	22.0
16	24.4	23.0	23.6	25.5	23.2	24.0	27.3	23.2	25.3	22.2	19.2	20.8
17	25.3	22.1	23.6	26.0	22.6	24.2	27.7	24.3	26.0	21.5	17.8	19.7
18	24.3	20.7	22.7	26.6	23.3	24.9	28.0	24.2	26.2	21.5	17.8	19.7
19	23.9	22.0	22.9	26.6	23.5	25.2	28.4	24.9	26.7	22.7	19.7	21.1
20	24.2	20.5	22.4	26.9	24.3	25.6	28.8	25.7	27.2	23.2	21.7	22.4
21	24.4	21.0	22.8	27.8	24.2	26.0	27.6	24.5	26.1	22.5	20.2	21.7
22	24.6	21.5	23.2	27.9	25.4	26.6	26.6	23.7	25.3	20.4	17.8	19.1
23	23.9	22.7	23.4	28.6	25.2	26.9	27.0	24.8	25.9	19.5	15.6	17.6
24	23.6	22.3	23.1	28.8	25.8	27.2	26.9	25.4	26.1	20.2	16.1	18.1
25	25.1	22.5	23.6	28.3	24.8	26.4	26.6	25.0	25.8	20.9	16.9	18.9
26	24.5	23.1	23.8	28.7	25.4	27.1	27.5	24.5	25.9	21.8	18.0	19.9
27	24.6	22.7	23.7	28.9	25.7	27.3	26.5	23.8	25.3	24.5	21.6	22.8
28	24.2	22.8	23.4	29.1	25.3	27.3	26.7	23.9	25.3	25.1	23.4	24.2
29	23.4	22.5	22.9	29.2	26.1	27.5	26.7	23.8	25.3	24.4	21.8	23.5
30	24.4	22.6	23.3	28.8	25.0	26.8	27.0	23.6	25.2	21.8	19.2	20.4
31	---	---	---	29.9	26.3	28.1	25.8	22.9	24.3	---	---	---
MONTH	26.5	20.5	23.6	29.9	22.5	25.8	29.8	22.9	26.4	26.8	15.6	22.4
YEAR	29.9	3.3	18.5									

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9.5	7.5	8.2	10.5	7.0	8.3	11.5	8.1	9.8	10.7	6.1	8.0
2	10.5	7.5	8.9	9.1	7.3	8.0	11.8	8.4	10.0	13.0	4.6	9.0
3	10.7	8.2	9.2	10.3	7.2	8.3	12.3	8.0	10.1	9.5	8.2	9.1
4	10.8	8.4	9.3	10.4	6.9	8.3	11.9	8.1	9.8	10.0	8.7	9.7
5	11.0	8.5	9.5	10.9	6.8	8.4	12.0	7.9	9.8	---	---	---
6	10.7	8.7	9.5	11.4	7.4	8.8	11.8	8.1	9.8	---	---	---
7	10.0	9.1	9.6	11.4	7.7	9.3	11.9	8.8	10.2	---	---	---
8	10.9	9.7	10.2	10.2	8.8	9.3	11.2	9.6	10.3	10.5	9.5	10.0
9	11.4	10.0	10.5	10.8	7.8	9.1	10.4	9.3	9.9	10.9	9.4	10.0
10	11.9	10.2	10.9	8.5	7.2	7.8	11.3	9.2	10.4	12.0	10.9	11.6
11	12.4	10.7	11.3	8.6	7.5	8.0	11.0	10.2	10.7	12.2	11.3	11.7
12	12.6	10.8	11.4	9.4	7.4	8.4	10.5	8.6	8.9	11.9	10.4	11.3
13	12.7	10.8	11.5	8.6	6.1	7.2	9.7	9.3	9.5	11.1	9.6	10.4
14	12.8	10.9	11.5	10.3	7.3	9.0	10.0	8.8	9.5	9.9	9.2	9.6
15	13.1	11.1	11.8	9.1	8.1	8.7	10.3	9.1	9.6	11.2	9.7	10.6
16	13.1	11.3	11.9	10.0	8.9	9.4	10.3	9.2	9.6	11.5	10.3	10.9
17	13.1	11.4	12.0	10.5	9.3	9.6	10.4	9.0	9.6	11.3	9.5	10.4
18	13.3	11.6	12.2	10.9	9.1	9.9	10.6	9.2	9.8	10.2	9.4	9.7
19	13.0	5.9	10.5	10.7	9.1	9.7	10.5	9.2	9.8	11.6	9.8	10.5
20	10.6	5.7	7.3	10.2	9.2	9.5	10.1	8.6	9.4	11.0	9.4	10.1
21	10.5	5.9	7.5	10.4	9.1	9.5	10.5	8.4	9.4	10.8	8.7	9.7
22	10.3	6.4	7.7	11.2	9.3	10.0	10.1	8.2	8.9	10.9	8.5	9.3
23	10.1	6.9	8.0	11.5	9.7	10.2	9.2	7.8	8.7	9.9	8.4	9.2
24	10.1	7.4	8.2	11.6	9.3	10.0	---	---	---	11.2	9.5	10.2
25	10.1	7.2	8.2	11.1	8.4	9.6	9.7	5.3	8.6	13.6	8.9	10.6
26	9.8	7.2	8.0	10.9	7.5	9.2	10.8	6.2	9.2	9.6	8.5	9.0
27	9.8	7.2	8.1	10.8	8.4	9.5	10.2	8.8	9.8	9.7	8.3	9.1
28	10.0	7.3	8.1	11.2	8.3	9.7	9.9	6.6	8.4	9.4	8.4	8.9
29	9.9	7.2	8.1	11.2	8.4	9.7	9.5	6.2	8.6	10.4	7.8	9.3
30	9.9	7.2	8.1	11.2	8.2	9.7	10.6	5.5	8.9	9.9	6.0	7.9
31	10.1	7.0	8.0	---	---	---	10.9	6.3	8.9	11.7	6.9	9.6
MONTH	13.3	5.7	9.5	11.6	6.1	9.1	---	---	---	---	---	---

MOBILE RIVER BASIN

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	13.3	8.7	12.4	10.5	8.4	9.3	10.0	7.5	9.0	15.1	5.4	10.9
2	13.2	12.3	12.8	10.6	7.9	9.2	10.5	5.9	8.2	---	---	---
3	13.8	12.2	13.0	10.5	6.4	8.5	10.5	5.7	8.3	---	---	---
4	12.7	11.4	12.1	11.4	6.2	9.4	10.8	6.0	8.1	---	---	---
5	14.3	12.2	13.1	12.8	6.1	9.3	10.8	5.5	8.3	---	---	---
6	14.4	11.5	13.0	10.1	7.3	9.0	9.5	5.6	7.7	---	---	---
7	13.0	8.4	11.4	10.9	6.0	9.0	9.7	5.6	7.7	---	---	---
8	14.5	7.3	11.5	11.9	5.5	10.0	9.5	6.8	7.9	8.4	7.7	8.0
9	---	---	---	10.5	5.0	7.7	10.2	6.2	8.3	8.5	7.7	8.1
10	---	---	---	8.2	4.6	6.8	10.9	7.1	8.5	8.5	7.8	8.2
11	---	---	---	9.5	5.0	7.1	10.8	7.1	8.5	8.8	7.9	8.3
12	---	---	---	7.2	4.6	5.9	11.2	7.1	9.3	8.9	7.9	8.4
13	---	---	---	---	---	---	13.5	8.7	10.1	9.1	8.2	8.6
14	---	---	---	---	---	---	12.7	6.0	9.5	9.7	8.4	9.1
15	---	---	---	---	---	---	10.0	6.0	8.7	10.2	8.6	9.3
16	---	---	---	10.3	6.2	8.6	11.2	7.9	9.7	10.3	8.5	9.2
17	---	---	---	12.8	7.5	10.2	12.8	7.9	10.0	10.4	8.1	9.1
18	---	---	---	12.7	8.8	11.4	13.4	8.1	10.5	10.4	8.2	9.1
19	10.1	9.4	9.7	12.8	10.2	11.3	13.1	7.2	10.5	10.8	8.6	9.3
20	11.4	9.1	10.1	13.6	7.1	11.1	13.9	6.7	10.4	11.2	8.6	9.6
21	11.5	9.4	10.1	14.6	10.0	11.9	12.1	6.7	9.4	11.3	8.5	9.5
22	12.0	9.8	10.8	14.8	8.6	11.0	13.4	8.6	10.9	11.5	8.5	9.4
23	11.9	10.2	10.8	13.7	7.3	10.4	15.0	9.9	11.6	11.6	8.5	9.5
24	11.7	9.4	10.4	13.2	6.9	9.2	12.7	8.6	11.2	10.8	8.7	9.8
25	12.4	8.8	10.3	13.8	6.9	9.6	14.4	9.3	12.2	11.7	9.6	10.6
26	13.1	7.1	9.9	11.9	7.0	8.8	13.0	9.2	11.3	11.7	9.8	10.5
27	10.7	7.9	9.0	14.3	6.1	8.8	12.0	8.3	10.9	13.2	9.9	11.5
28	9.9	8.3	8.9	14.1	6.3	9.1	12.4	9.8	11.5	15.6	11.1	12.8
29	---	---	---	11.5	6.8	8.6	14.7	7.9	11.7	15.7	11.5	13.4
30	---	---	---	10.7	6.9	8.6	14.5	8.4	11.9	14.2	10.5	12.6
31	---	---	---	9.9	7.4	8.6	---	---	---	10.9	10.0	10.4
MONTH	---	---	---	---	---	---	15.0	5.5	9.7	---	---	---
JUNE				JULY			AUGUST			SEPTEMBER		
1	10.9	9.2	10.3	8.1	7.7	8.0	8.8	6.9	8.8	8.5	5.5	6.6
2	9.5	8.4	9.1	7.8	7.3	7.5	---	---	---	8.5	5.4	6.5
3	11.5	7.7	9.0	8.3	7.1	7.7	---	---	---	---	---	---
4	8.7	6.9	8.1	8.2	7.1	7.7	---	---	---	8.6	5.3	6.6
5	---	---	---	8.7	6.8	7.8	8.7	6.1	7.0	8.1	5.1	6.3
6	---	---	---	9.6	6.9	8.0	8.4	5.7	6.7	8.0	4.5	6.1
7	---	---	---	10.1	6.8	8.0	8.2	5.4	6.4	8.0	4.9	6.1
8	---	---	---	10.6	7.2	8.4	7.4	4.9	5.9	7.7	4.9	6.0
9	---	---	---	11.7	7.1	8.7	---	---	---	7.4	4.9	5.8
10	---	---	---	13.1	7.0	8.8	---	---	---	7.4	4.7	5.9
11	---	---	---	9.4	7.0	8.0	---	---	---	8.3	5.0	6.5
12	---	---	---	10.6	7.6	8.6	---	---	---	9.0	5.5	6.7
13	---	---	---	11.9	7.7	9.2	---	---	---	8.6	5.4	6.4
14	---	---	---	13.5	7.8	9.7	---	---	---	8.2	5.1	6.1
15	---	---	---	14.8	7.5	9.9	---	---	---	8.5	5.2	6.5
16	---	---	---	10.3	7.3	8.4	---	---	---	8.7	5.6	6.8
17	---	---	---	9.4	7.9	8.6	9.0	4.5	6.4	9.0	6.0	7.4
18	8.4	6.6	7.4	10.1	7.4	8.6	9.2	5.2	6.7	9.2	6.2	7.6
19	9.1	6.8	7.7	---	---	---	9.1	5.0	6.5	9.0	6.1	7.3
20	10.6	7.0	8.2	9.8	6.8	7.9	9.0	5.0	6.6	8.1	5.9	6.7
21	11.5	6.9	8.4	10.1	6.8	7.9	8.9	5.1	6.4	7.1	4.8	6.0
22	11.5	6.7	8.4	9.9	6.8	7.7	9.5	5.1	6.9	7.6	5.2	6.6
23	9.7	6.6	7.8	9.8	6.6	7.7	8.5	5.0	6.5	8.2	5.9	7.0
24	7.6	6.8	7.2	9.9	6.5	7.5	8.0	4.7	6.4	8.3	5.6	7.0
25	7.9	7.0	7.3	8.1	7.0	7.5	8.4	5.2	6.8	8.3	5.3	6.8
26	7.8	7.2	7.4	9.1	7.0	7.8	9.2	5.2	7.0	8.8	5.3	7.1
27	7.8	7.2	7.5	10.3	7.0	8.1	8.9	5.1	6.8	8.7	5.6	6.8
28	7.7	7.4	7.5	10.6	6.9	8.2	8.7	5.0	6.8	8.4	5.7	6.6
29	7.8	7.0	7.5	10.3	6.9	8.0	8.8	5.4	7.0	---	---	---
30	8.1	7.1	7.7	7.9	7.0	7.6	8.5	5.5	6.8	7.1	5.4	6.2
31	---	---	---	8.6	6.9	7.5	10.5	6.3	7.6	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

MOBILE RIVER BASIN

02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE, AL

LOCATION.--Lat 33°38'32", long 86°57'15", in NW¹/₄ sec. 22, T. 16 S., R. 4 W., Jefferson County, Hydrologic Unit 03160111, on left bank 0.2 mi downstream of Prudes Creek, 1.4 mi east of Graysville, and at mile 12.5.

DRAINAGE AREA.--91.7 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 340 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges: Apr. 16-19. 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	35	40	112	1020	244	366	65	147	275	67	38
2	35	38	38	500	616	206	252	60	68	174	87	39
3	33	38	39	575	431	831	212	58	66	149	67	38
4	35	36	40	241	323	408	187	56	50	124	61	41
5	37	39	40	173	258	300	168	72	76	109	56	38
6	34	38	39	146	223	496	173	571	63	99	54	37
7	40	35	38	132	202	338	165	158	46	98	53	40
8	71	39	78	140	182	275	146	104	46	109	51	39
9	47	48	73	274	165	483	136	82	42	93	53	41
10	37	95	53	213	155	320	126	76	41	87	55	40
11	35	168	72	167	140	265	115	70	37	125	53	37
12	35	57	202	144	133	228	105	65	63	114	53	37
13	34	41	130	129	131	515	122	70	88	94	49	37
14	33	165	92	385	116	1540	410	68	79	82	47	37
15	32	157	68	393	110	581	387	56	187	74	46	36
16	33	81	58	229	105	401	e250	51	186	152	45	35
17	33	63	51	184	542	316	e160	47	77	151	46	35
18	34	54	45	191	614	262	e99	48	59	90	46	35
19	36	50	49	164	395	227	e90	45	51	108	45	35
20	33	47	68	143	283	205	84	43	44	79	44	36
21	33	52	49	129	231	253	79	42	41	80	42	48
22	32	48	85	232	198	198	75	39	41	70	41	48
23	33	46	122	3010	179	183	72	47	39	74	43	38
24	33	43	1170	668	163	171	71	101	172	65	47	38
25	31	43	269	406	150	177	69	58	116	145	73	33
26	31	42	158	301	141	170	65	49	152	73	52	32
27	32	40	125	237	146	149	162	48	386	64	49	32
28	33	42	547	204	416	139	127	41	1980	65	42	33
29	32	43	286	208	---	134	87	37	551	61	40	39
30	34	41	174	1630	---	126	74	38	276	196	39	47
31	35	---	131	2210	---	411	---	145	---	81	39	---
TOTAL	1101	1764	4429	13870	7768	10552	4634	2510	5270	3360	1585	1139
MEAN	35.5	58.8	143	447	277	340	154	81.0	176	108	51.1	38.0
MAX	71	168	1170	3010	1020	1540	410	571	1980	275	87	48
MIN	31	35	38	112	105	126	65	37	37	61	39	32
CFSM	.39	.64	1.56	4.88	3.03	3.71	1.68	.88	1.92	1.18	.56	.41
IN.	.45	.72	1.80	5.63	3.15	4.28	1.88	1.02	2.14	1.36	.64	.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 1999, BY WATER YEAR (WY)

	MEAN	74.1	96.6	152	596	419	414	351	131	196	125	78.3	58.6
MAX	113	134	160	744	560	487	547	168	329	184	113	92.5	
(WY)	1998	1998	1998	1998	1998	1998	1998	1997	1997	1997	1998	1997	
MIN	35.5	58.8	143	447	277	340	154	81.0	81.9	81.5	51.1	38.0	
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1998	1998	1999	1999	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1997 - 1999

ANNUAL TOTAL	91868	57982	
ANNUAL MEAN	252	159	212
HIGHEST ANNUAL MEAN			266
LOWEST ANNUAL MEAN			159
HIGHEST DAILY MEAN	8070	3010	8070
LOWEST DAILY MEAN	31	31	31
ANNUAL SEVEN-DAY MINIMUM	32	32	32
INSTANTANEOUS PEAK FLOW		6300	15700
INSTANTANEOUS PEAK STAGE		13.05	18.24
ANNUAL RUNOFF (CFSM)	2.74	1.73	2.32
ANNUAL RUNOFF (INCHES)	37.27	23.52	31.47
10 PERCENT EXCEEDS	469	321	400
50 PERCENT EXCEEDS	82	73	96
90 PERCENT EXCEEDS	37	36	39

e Estimated

MOBILE RIVER BASIN

02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1997 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE.--June 1997 to current year.

WATER TEMPERATURE.--June 1997 to current year.

DISSOLVED OXYGEN.--June 1997 to current year.

INSTRUMENTATION.--Water-quality monitor since June 1997.

REMARKS.--Periods of missing record are due to equipment malfunction.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE.--Maximum, 1,200 microSiemens, Oct. 24, Nov. 8, 1998; minimum, 112 microSiemens, June 14, 1997.

WATER TEMPERATURE.--Maximum, 30.1°C, Aug. 13, 1999; minimum, 4.3°C, Jan. 5, 1999.

DISSOLVED OXYGEN.--Maximum, 15.3 mg/L, Dec. 20, 1997, Mar. 29, 1999; minimum, 4.0 mg/L, Sept. 9, 1999.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE.--Maximum, 1,200 microSiemens, Oct. 24, Nov. 8; minimum, 148 microSiemens, Jan. 3.

WATER TEMPERATURE.--Maximum, 30.1°C, Aug. 13; minimum, 4.3°C, Jan. 5.

DISSOLVED OXYGEN.--Maximum, 15.3 mg/L, Mar. 29; minimum, 4.0 mg/L, Sept. 9.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	917	844	875	1000	954	971	836	805	815	449	420	435
2	957	902	919	1030	975	997	822	789	804	456	156	378
3	944	878	912	1050	1020	1040	817	759	781	208	148	179
4	916	853	889	1040	932	971	916	811	867	245	208	228
5	912	778	840	941	865	895	915	847	870	299	239	271
6	791	711	748	1090	912	997	879	844	853	299	272	285
7	807	717	767	1190	1090	1140	860	786	803	493	271	377
8	786	712	745	1200	1120	1150	900	765	816	500	477	488
9	793	629	706	1140	1070	1110	913	595	732	494	415	450
10	951	651	803	1070	662	890	749	632	709	490	406	444
11	999	934	954	717	442	502	779	676	739	511	486	498
12	1010	929	968	636	452	526	726	418	557	532	507	519
13	996	850	906	856	636	779	495	418	450	521	494	508
14	892	788	822	866	508	806	495	477	486	528	292	425
15	862	777	817	508	421	443	563	488	527	338	275	297
16	930	856	877	585	477	542	620	563	595	412	338	378
17	935	909	926	715	585	667	631	620	625	432	412	423
18	936	881	909	755	715	728	683	628	657	470	432	448
19	916	866	885	855	755	813	693	656	670	503	462	482
20	916	825	851	862	749	830	719	663	701	533	503	523
21	943	804	845	773	744	758	663	582	609	535	522	528
22	1010	943	969	788	750	769	624	591	607	535	285	486
23	1190	1010	1090	926	787	865	617	523	559	295	154	204
24	1200	1140	1180	947	901	920	543	170	281	308	252	285
25	1180	1110	1150	923	852	890	325	237	288	337	308	324
26	1180	991	1070	852	832	842	363	325	346	351	337	345
27	1010	916	955	853	831	845	391	358	374	361	351	356
28	930	883	896	831	735	773	397	188	276	375	360	366
29	937	899	917	853	772	834	317	211	269	387	308	376
30	953	907	935	847	825	834	363	317	339	344	180	242
31	981	928	962	---	---	---	420	363	388	229	181	199
MONTH	1200	629	906	1200	421	838	916	170	593	535	148	379

MOBILE RIVER BASIN

02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	287	229	263	438	358	404	351	306	322	622	587	605
2	316	287	304	481	438	459	385	351	370	645	617	626
3	351	316	334	461	219	301	400	385	393	672	628	643
4	362	351	356	345	290	322	420	400	408	723	647	690
5	401	361	381	379	345	362	461	420	437	768	667	704
6	414	401	408	381	297	332	485	461	469	768	397	608
7	414	407	411	379	307	351	485	432	457	484	366	417
8	430	411	415	400	379	391	489	461	476	---	---	---
9	459	430	451	400	332	359	498	473	482	---	---	---
10	552	450	470	393	339	370	522	490	499	---	---	---
11	558	528	541	418	393	406	539	518	530	---	---	---
12	544	534	541	440	418	430	538	529	533	---	---	---
13	577	540	554	565	440	521	554	523	541	---	---	---
14	577	541	559	575	544	561	592	554	582	---	---	---
15	556	542	549	575	307	446	622	447	547	642	620	631
16	548	522	535	358	328	347	489	435	455	693	634	672
17	523	264	447	371	358	364	560	489	531	725	638	676
18	363	267	326	389	371	380	579	560	573	667	617	648
19	415	363	385	419	389	401	581	567	575	687	617	655
20	424	382	402	429	406	421	588	572	580	728	677	703
21	439	423	430	420	389	405	600	578	590	786	728	756
22	474	438	452	430	384	407	618	598	608	785	732	755
23	497	471	482	479	430	456	622	603	613	758	652	732
24	493	482	487	485	472	478	638	609	629	671	571	617
25	497	485	491	495	469	484	645	620	630	590	457	503
26	526	497	511	506	471	490	636	564	607	719	590	675
27	518	419	502	501	476	483	601	528	568	749	678	718
28	479	335	374	503	480	491	535	427	454	733	685	712
29	---	---	---	489	470	479	533	449	491	746	710	733
30	---	---	---	508	475	482	587	533	566	771	735	748
31	---	---	---	517	327	431	---	---	---	816	401	679
MONTH	577	229	441	575	219	420	645	306	517	---	---	---
JUNE				JULY			AUGUST			SEPTEMBER		
1	424	346	387	428	408	419	---	---	---	748	726	733
2	546	390	460	447	405	420	---	---	---	779	743	764
3	670	546	622	479	447	466	---	---	---	777	750	762
4	671	609	636	504	459	485	---	---	---	796	755	765
5	723	630	657	530	504	520	---	---	---	802	739	757
6	755	461	572	563	529	545	---	---	---	757	737	745
7	604	485	545	569	535	548	---	---	---	754	725	737
8	643	604	624	550	530	539	---	---	---	759	738	746
9	681	626	658	624	508	573	---	---	---	769	751	757
10	702	658	683	635	615	625	705	668	688	806	764	785
11	702	679	690	658	536	636	698	691	695	829	787	798
12	705	651	685	536	409	445	723	696	710	851	820	829
13	718	491	598	557	499	526	740	712	727	933	826	882
14	494	310	450	590	554	568	752	718	734	934	889	913
15	585	394	511	619	590	605	801	746	776	889	817	844
16	430	254	311	633	346	569	814	788	802	848	805	820
17	537	393	479	589	280	452	813	773	790	924	844	882
18	623	537	581	595	575	584	827	788	808	994	924	952
19	696	623	664	622	447	560	818	783	797	1040	991	1010
20	727	696	712	586	536	559	794	779	786	1060	1020	1030
21	717	672	697	601	548	583	818	779	803	1060	911	975
22	704	665	688	625	562	600	816	791	800	1030	886	960
23	750	704	734	605	566	589	833	785	804	1030	728	809
24	766	390	647	603	547	563	817	778	791	884	773	832
25	520	383	460	615	331	434	804	734	780	936	877	904
26	551	483	515	---	---	---	734	613	659	936	878	904
27	539	490	514	---	---	---	687	631	660	939	635	848
28	519	162	382	---	---	---	706	678	692	685	635	660
29	352	260	310	---	---	---	752	700	724	736	685	708
30	414	352	380	---	---	---	744	713	724	786	735	755
31	---	---	---	---	---	---	735	717	727	---	---	---
MONTH	766	162	562	---	---	---	---	---	---	1060	635	829

MOBILE RIVER BASIN

02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	25.2	22.8	24.0	17.9	15.7	16.9	14.7	12.7	13.7	9.5	7.6	8.6
2	24.3	22.0	23.2	17.4	16.2	16.9	14.1	11.9	13.2	10.9	9.5	10.2
3	24.6	22.6	23.6	17.2	15.8	16.6	14.9	12.7	13.8	10.4	7.5	8.9
4	25.3	23.0	24.1	15.9	14.4	15.2	15.8	13.2	14.5	7.5	5.8	6.7
5	24.8	23.2	24.0	14.8	12.9	13.8	17.6	15.4	16.5	5.8	4.3	5.1
6	24.4	23.4	23.9	12.9	10.7	11.5	18.5	16.8	17.6	6.5	4.9	5.7
7	24.0	22.7	23.4	11.0	9.0	10.1	19.6	18.2	18.9	10.3	7.1	8.7
8	22.7	20.3	21.6	12.1	10.6	11.2	19.4	17.1	18.9	12.3	10.3	11.4
9	20.3	17.8	18.9	15.8	12.1	14.1	17.1	13.4	15.6	12.4	8.5	10.9
10	18.9	16.2	17.7	17.2	15.8	16.4	13.4	11.6	12.5	8.5	6.7	7.4
11	19.1	16.1	17.7	17.2	14.1	16.0	12.8	12.5	12.6	8.2	6.0	7.1
12	19.3	16.5	17.9	14.1	12.1	13.2	13.4	12.5	13.1	10.0	7.5	8.7
13	19.4	16.8	18.2	14.5	13.2	13.9	13.7	13.3	13.6	12.6	10.0	11.4
14	18.8	16.5	17.8	15.5	14.2	14.6	13.3	12.1	12.9	13.0	11.4	12.4
15	18.5	15.7	17.2	16.4	15.2	15.7	12.1	10.3	10.9	11.9	9.9	11.0
16	19.6	17.1	18.2	16.8	15.4	16.1	10.3	8.7	9.4	10.9	8.7	9.8
17	19.3	16.8	18.1	17.7	15.9	16.9	9.5	8.6	9.0	12.8	10.2	11.4
18	20.7	18.0	19.2	15.9	13.6	14.8	8.7	7.2	8.0	13.4	11.8	12.9
19	21.3	19.8	20.5	16.5	14.9	15.7	10.7	8.5	9.5	11.8	9.9	11.0
20	21.3	19.9	20.7	16.4	14.4	15.9	13.2	10.7	12.1	13.7	11.0	12.4
21	19.9	18.1	18.8	14.4	12.5	13.3	15.2	13.2	14.1	15.2	12.7	13.9
22	18.1	15.6	16.6	13.3	11.0	12.2	15.4	11.1	13.3	16.4	14.8	15.4
23	15.6	13.2	14.3	15.6	13.3	14.5	11.1	8.6	9.4	15.5	14.4	14.9
24	14.3	11.9	13.2	17.1	15.6	16.3	8.6	7.2	7.8	14.4	12.6	13.6
25	14.6	12.0	13.4	16.9	15.3	16.1	9.0	8.0	8.4	13.5	11.5	12.5
26	15.1	12.5	13.9	16.5	14.4	15.5	9.8	9.0	9.4	13.9	11.6	12.8
27	15.6	13.0	14.3	14.4	12.0	13.1	9.7	8.4	9.0	14.2	11.9	13.1
28	15.9	13.4	14.7	13.1	10.9	12.1	10.5	9.7	10.0	14.2	12.8	13.5
29	16.6	14.1	15.4	13.0	10.8	12.0	11.4	10.5	11.1	15.2	13.5	14.3
30	17.9	15.1	16.5	13.5	10.9	12.2	10.9	9.0	9.8	14.9	14.4	14.7
31	18.5	16.5	17.5	---	---	---	9.6	8.1	8.9	14.4	12.7	13.5
MONTH	25.3	11.9	18.7	17.9	9.0	14.4	19.6	7.2	12.2	16.4	4.3	11.1
FEBRUARY			MARCH			APRIL			MAY			
1	12.9	12.5	12.7	14.0	11.1	12.6	17.0	14.0	15.2	19.4	15.7	17.5
2	14.3	12.8	13.5	14.4	11.0	12.8	18.0	15.0	16.3	20.2	16.2	18.2
3	14.3	12.7	13.5	14.1	11.5	12.9	20.3	16.2	18.2	20.9	17.2	19.0
4	15.0	13.3	14.1	12.6	10.0	11.3	20.1	18.2	19.1	20.7	18.4	19.6
5	13.7	11.5	12.7	13.1	10.1	11.6	21.5	17.3	19.3	20.9	19.4	20.0
6	14.8	11.8	13.2	14.2	12.4	13.2	21.0	19.1	19.8	20.9	19.4	19.9
7	16.5	14.2	15.2	13.5	11.6	12.6	21.6	18.7	20.0	21.4	19.3	20.1
8	15.9	13.5	14.8	12.4	11.0	11.8	21.2	19.5	20.4	---	---	---
9	16.2	14.2	15.2	13.6	11.4	12.4	22.5	19.6	20.8	---	---	---
10	16.5	15.4	15.9	14.0	11.3	12.6	22.4	20.0	21.1	---	---	---
11	17.5	15.0	16.3	13.1	11.5	12.3	23.1	20.5	21.6	---	---	---
12	17.0	12.2	14.8	13.5	10.4	12.0	21.1	18.4	19.8	---	---	---
13	12.2	10.1	11.0	12.8	10.1	11.5	19.3	15.9	17.8	---	---	---
14	10.8	8.2	9.6	13.4	10.0	12.1	18.9	15.5	17.3	---	---	---
15	10.9	7.9	9.4	14.7	11.4	12.9	18.4	17.0	17.7	23.1	19.1	21.0
16	12.2	8.8	10.6	14.3	10.8	12.5	17.7	15.0	16.4	24.3	20.3	22.2
17	13.1	12.1	12.7	15.0	11.6	13.2	16.0	13.7	15.0	24.1	20.8	22.5
18	12.5	11.9	12.1	15.9	12.4	14.2	16.3	12.5	14.4	22.7	20.7	21.8
19	13.0	11.7	12.2	16.2	13.0	14.6	17.6	12.7	15.1	23.6	19.6	21.5
20	13.0	10.6	11.8	15.4	12.9	14.3	20.4	15.9	17.9	23.2	18.8	21.1
21	12.3	10.4	11.6	16.1	13.5	14.6	21.5	17.1	19.2	23.8	19.6	21.7
22	11.0	8.7	9.9	15.7	12.1	13.9	21.3	18.0	19.6	23.6	20.7	22.2
23	9.8	9.2	9.4	15.3	11.9	13.7	23.1	19.4	21.1	24.9	21.2	22.9
24	11.8	8.7	10.1	15.6	13.8	14.7	21.8	20.5	20.9	24.1	21.1	22.6
25	11.3	9.0	10.3	15.6	13.8	14.6	22.1	19.4	20.8	24.0	19.9	22.0
26	14.6	11.2	12.8	15.2	11.8	13.5	21.7	20.0	20.8	22.8	21.1	21.9
27	14.7	13.5	14.1	15.2	11.0	13.1	21.3	20.2	20.6	24.2	20.4	22.1
28	14.8	12.9	13.9	16.2	11.5	13.8	22.3	19.8	20.9	23.7	19.3	21.5
29	---	---	---	16.1	13.9	14.8	21.0	19.1	19.8	23.9	19.8	21.8
30	---	---	---	15.0	13.9	14.5	19.1	17.4	18.2	22.8	21.2	21.9
31	---	---	---	14.4	13.5	14.0	---	---	---	22.4	21.2	21.6
MONTH	17.5	7.9	12.6	16.2	10.0	13.2	23.1	12.5	18.8	---	---	---

MOBILE RIVER BASIN

02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE. AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

[illegible]

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

[illegible]

MOBILE RIVER BASIN

02458148 VILLAGE CREEK AT 86TH STREET NORTH AT ROEBUCK, AL

LOCATION.--Lat 33°34'37", long 86°43'83", in NW¹/₄ sec. 11, T. 17 S., R. 2 W., Jefferson County, Hydrologic Unit 03160111, on left downstream side of bridge on 86th Street North, 0.1 mi downstream of Roebuck Municipal Golf Course, and at mile 39.6.

DRAINAGE AREA.--4.10 mi².

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 640 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges: Oct. 1-27. Records good except those of estimated period, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.5	2.8	2.7	6.4	27	6.5	7.9	3.0	4.1	11	3.6	1.7
2	e5.9	2.9	3.0	28	17	7.6	6.8	3.0	4.9	9.9	3.5	1.5
3	e5.8	2.8	3.0	16	12	37	6.5	2.9	4.0	8.1	3.3	1.4
4	e8.5	2.8	2.7	8.7	10	9.5	6.3	3.3	3.8	7.1	3.1	1.5
5	e7.0	2.8	2.8	7.7	8.1	8.4	6.1	3.5	4.9	6.4	3.1	1.6
6	e5.2	2.7	2.7	7.3	7.3	23	6.0	60	3.6	5.9	3.0	1.8
7	e15	2.8	2.9	7.2	6.8	7.7	5.4	6.4	3.4	5.6	2.9	1.8
8	e9.0	3.6	9.7	7.3	6.3	6.9	5.1	5.6	3.2	5.1	2.8	1.6
9	e8.0	4.8	3.7	18	5.6	23	5.0	5.3	3.0	4.8	2.8	1.6
10	e7.1	23	3.2	8.1	5.2	8.0	4.9	5.1	3.0	5.9	2.8	1.7
11	e6.4	7.5	4.2	7.6	5.0	6.6	4.6	4.9	2.9	10	2.6	1.7
12	e5.8	3.8	14	7.2	4.8	6.2	4.5	11	7.3	5.4	2.5	1.6
13	e5.2	3.6	7.3	6.8	4.5	51	4.4	4.4	3.0	4.5	2.5	1.5
14	e7.2	26	4.9	12	4.3	26	4.3	4.2	20	4.3	2.9	1.1
15	e5.3	11	4.6	7.9	4.2	14	13	4.0	11	4.1	2.4	1.1
16	e4.7	4.7	4.0	6.8	4.1	11	4.8	3.9	4.3	11	2.3	1.0
17	e4.3	4.2	3.9	6.5	16	9.3	4.5	3.9	3.9	4.0	2.0	1.2
18	e5.0	3.8	3.4	7.8	5.1	8.0	4.3	8.1	3.6	4.3	2.0	1.5
19	e3.8	3.7	6.0	6.2	8.9	7.3	4.3	4.0	3.5	4.0	1.6	1.5
20	e3.5	3.7	3.6	6.0	4.9	9.5	4.2	3.8	3.3	3.6	1.6	1.4
21	e5.1	3.5	3.4	6.0	4.5	7.6	4.0	3.6	3.2	3.3	1.9	2.7
22	e4.7	3.3	5.1	6.1	4.4	6.3	3.8	3.7	2.9	8.7	1.7	1.9
23	e3.6	3.5	9.0	69	4.3	6.0	3.7	10	3.9	3.5	1.6	1.6
24	e3.3	3.2	56	11	4.2	5.7	3.7	3.8	15	20	8.6	1.8
25	e4.0	3.1	9.3	8.8	4.1	8.4	3.6	3.6	11	4.3	2.2	1.5
26	e3.3	3.2	7.0	7.8	4.0	5.4	3.6	3.7	5.0	3.9	2.0	1.7
27	e2.8	3.2	6.3	7.1	16	5.2	11	3.5	30	3.8	1.9	1.4
28	2.8	3.2	33	6.6	8.0	5.3	3.6	3.1	300	3.6	1.9	1.7
29	2.8	3.1	11	26	---	5.3	3.4	4.2	30	14	1.8	2.2
30	2.7	2.9	7.7	65	---	5.1	3.2	29	17	4.4	1.8	2.0
31	2.8	---	6.9	54	---	32	---	28	---	3.6	1.7	---
TOTAL	166.1	155.2	247.0	456.9	216.6	378.8	156.5	246.5	518.7	198.1	80.4	48.3
MEAN	5.36	5.17	7.97	14.7	7.74	12.2	5.22	7.95	17.3	6.39	2.59	1.61
MAX	15	26	56	69	27	51	13	60	300	20	8.6	2.7
MIN	2.7	2.7	2.7	6.0	4.0	5.1	3.2	2.9	2.9	3.3	1.6	1.0
CFSM	1.31	1.26	1.94	3.59	1.89	2.98	1.27	1.94	4.22	1.56	.63	.39
IN.	1.51	1.41	2.24	4.15	1.97	3.44	1.42	2.24	4.71	1.80	.73	.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	5.36	5.17	7.97	14.7	7.74	12.2	5.22	7.95	17.3	6.39	2.59	1.61
MAX	5.36	5.17	7.97	14.7	7.74	12.2	5.22	7.95	17.3	6.39	2.59	1.61
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	5.36	5.17	7.97	14.7	7.74	12.2	5.22	7.95	17.3	6.39	2.59	1.61
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999

SUMMARY STATISTICS

FOR 1999 WATER YEAR

ANNUAL TOTAL	2869.1	
ANNUAL MEAN	7.86	
HIGHEST DAILY MEAN	300	Jun 28
LOWEST DAILY MEAN	1.0	Sep 16
ANNUAL SEVEN-DAY MINIMUM	1.3	Sep 14
INSTANTANEOUS PEAK FLOW	1170	Jun 28
INSTANTANEOUS PEAK STAGE	10.10	Jun 28
ANNUAL RUNOFF (CFSM)	1.92	
ANNUAL RUNOFF (INCHES)	26.03	
10 PERCENT EXCEEDS	12	
50 PERCENT EXCEEDS	4.4	
90 PERCENT EXCEEDS	1.9	

e Estimated

MOBILE RIVER BASIN

02458200 VILLAGE CREEK AT APALACHEE STREET IN BIRMINGHAM, AL

LOCATION.--Lat 33°32'45", long 86°45'09", in SW¹/₄NW¹/₄NE¹/₄ sec. 19, T. 17 S., R. 2 W., Jefferson County, Hydrologic Unit 03160111, on right upstream wingwall of culvert of Apalachee Street crossing in Birmingham, and at mile 35.0.

DRAINAGE AREA.-- 15.6 mi².

PERIOD OF RECORD.--October 1998 to current year. Operated as crest-stage gage December 1970 to September 1977.

GAGE.--Water-stage recorder. Datum of gage is 561.31 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 1-27, April 18-26. Records good except those of estimated period, 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 OUTSIDE PERIOD OF RECORD.--Flood of March 19, 1970 reached a stage of 20.40 ft, discharge, 4,330 ft³/s. Flood of Sept. 6, 1977 reached a stage of 19.60 ft, discharge 4,190 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.2	5.6	10	20	69	28	40	13	26	26	11	6.7
2	e7.7	9.6	9.3	190	47	35	30	12	48	23	16	6.2
3	e7.4	8.8	10	41	38	182	27	11	20	20	10	6.6
4	e11	6.9	8.8	26	35	36	25	20	18	18	10	7.4
5	e9.4	7.8	10	23	30	31	24	18	37	17	11	8.7
6	e7.1	6.2	11	22	28	106	24	298	18	18	9.6	9.1
7	e25	6.6	23	22	27	35	23	22	18	17	9.2	9.1
8	e15	23	45	26	26	31	23	18	17	16	10	10
9	e10	24	13	81	25	112	22	17	17	15	9.4	11
10	e9.0	127	9.1	26	24	36	22	16	17	44	7.5	10
11	e8.2	18	62	23	24	33	21	16	17	48	7.2	7.6
12	e7.4	9.3	27	21	25	31	21	23	46	21	4.7	8.2
13	e7.0	7.3	29	20	23	268	20	16	19	14	8.1	9.4
14	e10	153	18	46	22	90	21	15	89	12	7.3	7.9
15	e7.5	49	16	23	22	49	72	14	41	12	7.9	6.6
16	e6.5	18	14	21	21	40	20	13	23	19	6.8	5.2
17	e6.1	15	13	20	78	36	18	13	19	13	4.9	4.8
18	e7.0	13	11	27	31	34	e17	40	19	12	6.1	6.7
19	e5.8	12	28	19	41	32	e16	20	18	13	6.9	6.6
20	e5.4	14	15	19	26	40	e15	19	18	10	5.3	7.3
21	e8.0	11	14	19	24	41	e14	18	18	9.1	7.1	12
22	e7.3	9.0	30	25	23	30	e13	28	17	39	6.1	3.9
23	e5.6	9.9	50	414	23	29	e13	51	34	14	6.6	3.7
24	e5.2	9.6	326	37	22	29	e12	26	90	28	19	4.1
25	e6.5	8.6	32	30	22	43	e13	19	66	13	21	3.9
26	e5.0	8.7	24	27	22	30	e12	20	32	10	4.2	3.9
27	e4.2	7.9	21	25	83	28	72	17	162	12	4.6	4.4
28	4.3	8.3	177	24	51	28	18	16	970	11	5.1	4.7
29	4.9	8.8	33	128	---	27	15	16	71	41	6.8	22
30	5.1	8.8	24	293	---	28	14	46	36	20	5.8	4.2
31	5.6	---	21	188	---	171	---	113	---	11	5.3	---
TOTAL	241.4	624.7	1134.2	1926	932	1769	697	1004	2041	596.1	260.5	221.9
MEAN	7.79	20.8	36.6	62.1	33.3	57.1	23.2	32.4	68.0	19.2	8.40	7.40
MAX	25	153	326	414	83	268	72	298	970	48	21	22
MIN	4.2	5.6	8.8	19	21	27	12	11	17	9.1	4.2	3.7
CFSM	.50	1.33	2.35	3.98	2.13	3.66	1.49	2.08	4.36	1.23	.54	.47
IN.	.58	1.49	2.70	4.59	2.22	4.22	1.66	2.39	4.87	1.42	.62	.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	7.79	20.8	36.6	62.1	33.3	57.1	23.2	32.4	68.0	19.2	8.40	7.40
MAX	7.79	20.8	36.6	62.1	33.3	57.1	23.2	32.4	68.0	19.2	8.40	7.40
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	7.79	20.8	36.6	62.1	33.3	57.1	23.2	32.4	68.0	19.2	8.40	7.40
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999

SUMMARY STATISTICS

FOR 1999 WATER YEAR

ANNUAL TOTAL	11447.8
ANNUAL MEAN	31.4
HIGHEST DAILY MEAN	970
LOWEST DAILY MEAN	3.7
ANNUAL SEVEN-DAY MINIMUM	4.1
INSTANTANEOUS PEAK FLOW	3470
INSTANTANEOUS PEAK STAGE	18.10
ANNUAL RUNOFF (CFSM)	2.01
ANNUAL RUNOFF (INCHES)	27.30
10 PERCENT EXCEEDS	48
50 PERCENT EXCEEDS	18
90 PERCENT EXCEEDS	6.6

Jun 28
Sep 23
Sep 22
Jun 28
Jun 28

e Estimated

MOBILE RIVER BASIN

02458300 VILLAGE CREEK AT 24TH STREET AT BIRMINGHAM, AL

LOCATION.--Lat 33°32'33", long 86°49'03", in NE $\frac{1}{4}$ sec. 23, T. 17 S., R. 3 W., Jefferson County, Hydrologic Unit 03160111, on right upstream wingwall of 24th Street bridge in Birmingham, and at mile 33.0.

DRAINAGE AREA.--26.0 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 531.09 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 1-6, Oct. 10 to Nov. 6, Apr. 16-20. Records good except those of estimated period, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e13	e18	14	30	116	31	60	16	55	71	17	9.9
2	e14	e16	13	328	78	43	45	15	117	58	19	9.7
3	e10	e23	13	79	62	290	40	15	43	49	16	9.2
4	e16	e16	13	47	55	52	37	31	33	42	15	9.5
5	e14	e11	13	39	44	41	36	25	80	39	14	9.6
6	e12	9.0	13	37	39	175	35	506	29	37	14	10
7	95	8.6	34	37	35	48	33	36	24	42	14	10
8	31	49	87	47	33	41	31	27	20	35	14	15
9	17	56	18	150	31	186	29	23	16	33	15	9.6
10	e15	240	14	45	29	51	28	22	16	121	14	10
11	e14	31	113	38	27	43	26	21	15	133	15	9.0
12	e13	17	48	34	29	38	25	31	117	56	13	8.6
13	e12	15	52	31	24	424	25	24	26	35	15	8.7
14	e15	283	25	78	23	145	25	20	235	31	15	8.5
15	e14	91	21	37	23	73	121	19	107	29	14	8.4
16	e11	28	19	31	21	56	e27	18	38	122	14	7.7
17	e9.5	22	17	28	134	48	e25	17	28	25	13	8.4
18	e10	19	16	45	42	42	e23	65	23	37	13	9.2
19	e9.0	18	52	27	58	39	e21	20	20	25	13	8.7
20	e8.0	21	18	25	28	56	e19	18	18	24	12	9.8
21	e12	17	17	25	25	65	18	16	17	20	12	15
22	e12	16	51	40	24	39	18	27	16	50	11	8.6
23	e11	16	88	716	23	37	17	81	50	22	12	8.5
24	e10	15	541	66	23	36	16	34	185	44	27	8.5
25	e11	15	63	49	22	71	17	18	114	20	38	8.6
26	e9.0	14	42	41	22	37	15	22	59	18	12	8.4
27	e8.0	14	33	36	124	34	136	20	301	24	12	9.3
28	e10	13	299	33	77	32	24	17	1630	18	11	9.9
29	e9.0	13	61	209	---	32	19	16	179	66	12	45
30	e12	13	41	484	---	33	17	56	106	34	9.9	11
31	e20	---	34	306	---	277	---	228	---	17	9.4	---
TOTAL	476.5	1137.6	1883	3218	1271	2615	1008	1504	3717	1377	455.3	322.3
MEAN	15.4	37.9	60.7	104	45.4	84.4	33.6	48.5	124	44.4	14.7	10.7
MAX	95	283	541	716	134	424	136	506	1630	133	38	45
MIN	8.0	8.6	13	25	21	31	15	15	15	17	9.4	7.7
CFSM	.59	1.46	2.34	3.99	1.75	3.24	1.29	1.87	4.77	1.71	.56	.41
IN.	.68	1.63	2.69	4.60	1.82	3.74	1.44	2.15	5.32	1.97	.65	.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1999, BY WATER YEAR (WY)

	MEAN	37.5	48.2	49.4	83.1	71.9	83.2	50.0	47.6	47.5	46.8	33.4	38.9
MAX	132	97.3	67.6	137	137	154	103	106	124	81.8	65.8	74.7	
(WY)	1996	1993	1993	1998	1990	1996	1998	1991	1999	1989	1998	1988	
MIN	12.7	25.9	30.2	35.2	39.2	42.9	27.2	14.6	13.8	14.5	12.8	10.7	
(WY)	1992	1994	1989	1992	1993	1992	1990	1992	1988	1995	1989	1999	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1988 - 1999	
ANNUAL TOTAL	23859.1		18984.7		53.3	
ANNUAL MEAN	65.4		52.0		74.9	
HIGHEST ANNUAL MEAN					39.1	
LOWEST ANNUAL MEAN					1992	
HIGHEST DAILY MEAN	1970	Jan 7	1630	Jun 28	1970	Jan 7 1998
LOWEST DAILY MEAN	8.0	Oct 20, 27	7.7	Sep 16	7.0	Jun 12 1988
ANNUAL SEVEN-DAY MINIMUM	9.7	Oct 23	8.5	Sep 11	8.2	Jun 9 1988
INSTANTANEOUS PEAK FLOW			5420	Jun 28	5860	Jan 7 1998
INSTANTANEOUS PEAK STAGE			12.09	Jun 28	12.68	Jan 7 1998
ANNUAL RUNOFF (CFSM)	2.51		2.00		2.05	
ANNUAL RUNOFF (INCHES)	34.14		27.16		27.84	
10 PERCENT EXCEEDS	142		106		108	
50 PERCENT EXCEEDS	25		25		24	
90 PERCENT EXCEEDS	13		10		12	

e Estimated

MOBILE RIVER BASIN

02458450 VILLAGE CREEK AT AVE. W AT ENSLEY, AL

LOCATION.--Lat 33°31'03", long 86°52'45", in NW¹/₄ sec. 32, T. 17 S., R. 3 W., Jefferson County, Hydrologic Unit 03160111, near left bank on downstream side of Ave. W bridge over Village Creek, 5.7 mi upstream of Bay View Lake, 0.55 mi north of Interstate 59 in Ensley, and at mile 28.7.
DRAINAGE AREA.--33.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1975 to September 1979. July 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is 505.16 ft above sea level.

REMARKS.--No estimated daily discharges. Water-discharge 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	28	23	45	197	50	72	31	78	77	28	18
2	16	30	23	456	125	50	54	30	143	60	32	18
3	11	33	23	129	101	390	49	29	46	52	29	20
4	21	27	23	68	88	70	46	46	36	45	23	19
5	24	19	24	57	74	56	43	49	74	44	19	21
6	22	18	22	52	68	235	43	592	33	42	19	23
7	82	19	25	54	62	66	41	56	32	52	22	20
8	102	60	119	67	57	55	39	44	30	42	23	24
9	28	76	28	228	53	248	36	36	30	40	25	21
10	24	304	22	66	50	68	35	36	30	117	25	20
11	23	56	136	55	46	57	32	38	29	180	26	19
12	22	32	88	51	46	52	31	40	149	86	24	18
13	21	31	69	46	40	491	30	44	49	45	24	19
14	20	402	35	115	38	232	28	34	225	41	22	19
15	22	135	31	59	33	94	184	32	253	39	17	20
16	18	42	29	49	29	73	36	32	59	227	17	17
17	17	35	29	45	224	62	31	30	43	58	17	12
18	11	30	29	68	77	55	28	79	34	112	16	12
19	12	26	72	42	98	51	28	34	30	59	15	12
20	12	27	36	40	50	54	28	31	30	63	14	14
21	12	24	31	39	44	96	27	30	29	37	15	21
22	13	22	74	47	38	45	29	37	29	65	16	12
23	12	23	120	952	37	43	31	90	54	46	19	11
24	12	21	743	100	37	42	32	77	262	61	31	9.7
25	13	19	90	72	37	79	35	34	130	39	46	13
26	9.5	21	61	61	35	44	31	37	70	31	15	11
27	11	20	50	57	143	37	226	32	432	40	13	14
28	12	19	444	54	157	37	50	28	2030	32	18	18
29	14	19	92	233	---	36	37	28	237	63	20	60
30	26	18	59	761	---	37	33	62	144	90	18	18
31	30	---	50	511	---	345	---	290	---	28	18	---
TOTAL	687.5	1636	2700	4679	2084	3350	1445	2088	4850	2013	666	553.7
MEAN	22.2	54.5	87.1	151	74.4	108	48.2	67.4	162	64.9	21.5	18.5
MAX	102	402	743	952	224	491	226	592	2030	227	46	60
MIN	9.5	18	22	39	29	36	27	28	29	28	13	9.7
CFSM	.66	1.63	2.60	4.51	2.22	3.23	1.44	2.01	4.83	1.94	.64	.55
IN.	.76	1.82	3.00	5.20	2.31	3.72	1.60	2.32	5.39	2.24	.74	.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1999, BY WATER YEAR (WY)

	MEAN	66.5	66.2	66.8	115	96.7	142	95.3	82.8	74.6	75.2	48.3	71.7
MAX	225	152	92.9	236	207	375	318	181	169	139	99.0	164	164
(WY)	1996	1993	1991	1996	1990	1976	1979	1976	1989	1996	1992	1977	1977
MIN	19.1	28.7	40.8	45.0	53.5	57.9	29.6	26.8	32.0	22.9	21.5	18.5	18.5
(WY)	1979	1979	1994	1992	1978	1992	1978	1992	1977	1995	1999	1999	1999

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1975 - 1999

ANNUAL TOTAL	31938.5	26752.2	
ANNUAL MEAN	87.5	73.3	83.2
HIGHEST ANNUAL MEAN			127
LOWEST ANNUAL MEAN			56.0
HIGHEST DAILY MEAN	2590	2030	3400
LOWEST DAILY MEAN	9.5	9.5	9.5
ANNUAL SEVEN-DAY MINIMUM	12	12	10
INSTANTANEOUS PEAK FLOW		5100	6320
INSTANTANEOUS PEAK STAGE		12.89	13.70
ANNUAL RUNOFF (CFSM)	2.61	2.19	2.48
ANNUAL RUNOFF (INCHES)	35.47	29.71	33.73
10 PERCENT EXCEEDS	176	135	153
50 PERCENT EXCEEDS	36	37	39
90 PERCENT EXCEEDS	17	17	21

MOBILE RIVER BASIN

02458450 VILLAGE CREEK AT AVE. W AT ENSLEY, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1991 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1991 to current year.

WATER TEMPERATURE: May 1991 to current year.

DISSOLVED OXYGEN: May 1991 to current year.

INSTRUMENTATION.--Water-quality monitor since May 1991.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 831 microSiemens, Nov. 10, 1992; minimum, 36 microSiemens, Feb. 2, 1996.

WATER TEMPERATURE: Maximum, 33.6°C, July 31, 1999; minimum, 2.4°C, Mar. 13, 1993.

DISSOLVED OXYGEN: Maximum, 20.1 mg/L, Feb. 19, 1996; minimum, 0.5 mg/L, Sept. 2, 21-24, 1992.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 784 microSiemens, Oct. 26; minimum, 89 microSiemens, Jan. 23.

WATER TEMPERATURE: Maximum, 33.6°C, July 31; minimum, 5.1°C, Jan. 5.

DISSOLVED OXYGEN: Maximum, 15.4 mg/L, Feb. 15; minimum, 0.6 mg/L, Aug. 21.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	474	416	446	510	474	494	508	487	496	490	484	487
2	478	400	440	557	476	496	531	501	516	489	111	335
3	464	399	431	522	488	504	519	500	507	420	220	331
4	468	401	441	524	465	491	524	486	509	458	420	447
5	468	393	438	520	475	492	519	493	507	491	441	472
6	469	444	453	498	439	481	505	493	500	493	472	486
7	474	195	375	504	467	487	530	482	494	487	463	474
8	410	239	345	719	291	438	530	204	292	490	419	451
9	469	404	439	502	243	322	440	245	361	428	196	295
10	468	423	454	428	115	315	509	440	479	469	381	448
11	485	457	472	431	226	348	499	179	351	484	469	478
12	479	435	460	489	431	467	409	179	321	491	480	485
13	475	454	462	506	487	494	407	339	372	497	475	488
14	479	442	461	504	149	300	478	407	451	493	302	398
15	503	464	482	377	235	307	502	478	489	465	317	404
16	502	438	468	477	377	435	506	495	500	493	457	478
17	507	444	477	515	477	500	516	496	506	491	477	485
18	480	432	462	515	504	509	509	498	504	487	371	414
19	473	433	456	532	505	515	510	281	408	485	422	464
20	480	437	454	554	505	520	477	355	431	491	482	485
21	487	448	469	514	487	500	501	477	490	493	481	486
22	489	457	478	515	499	505	507	288	383	488	369	473
23	664	406	508	513	479	500	445	220	345	417	89	275
24	528	451	482	523	497	505	400	106	241	461	417	444
25	497	463	478	525	476	503	469	400	443	492	461	478
26	784	435	530	522	497	511	483	469	478	491	486	489
27	554	453	492	517	490	504	492	483	489	504	488	495
28	553	480	508	506	488	497	492	111	267	515	482	497
29	536	490	514	514	492	503	472	368	434	508	128	438
30	536	456	500	514	492	504	483	471	477	321	128	215
31	526	476	503	---	---	---	489	479	486	360	211	285
MONTH	784	195	464	719	115	465	531	106	436	515	89	432

MOBILE RIVER BASIN

02458450 VILLAGE CREEK AT AVE. W AT ENSLEY, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	447	342	409	570	512	547	436	298	394	466	443	455
2	461	445	456	582	458	567	466	436	451	475	440	458
3	477	461	471	518	216	314	458	440	453	772	439	513
4	481	454	466	461	403	444	462	442	455	458	303	428
5	493	481	487	487	449	470	498	450	458	408	303	364
6	495	488	491	474	139	297	485	454	467	412	95	266
7	496	487	492	459	397	442	478	451	465	440	364	415
8	500	467	489	468	458	464	478	442	456	458	412	444
9	500	488	495	468	129	285	478	459	469	458	410	443
10	500	488	496	454	408	439	480	454	469	455	441	446
11	501	466	486	470	449	461	488	458	473	458	286	434
12	480	452	466	482	462	472	476	453	463	458	422	440
13	532	459	485	477	94	365	489	454	471	431	369	398
14	494	469	481	397	148	316	476	450	462	454	427	435
15	484	451	467	442	397	424	478	149	287	465	440	452
16	478	435	462	540	442	467	447	353	406	468	431	452
17	495	199	356	477	460	468	458	446	450	465	428	446
18	475	235	384	487	460	473	460	425	449	464	219	384
19	480	309	399	490	463	472	448	434	442	437	281	377
20	524	453	497	492	401	469	463	433	448	558	427	459
21	529	500	518	427	272	347	463	432	449	476	445	460
22	530	523	526	464	427	450	467	396	442	487	444	465
23	545	525	537	471	457	464	480	438	454	446	174	370
24	550	521	537	477	462	468	479	440	456	413	166	310
25	561	545	552	478	301	399	465	437	448	497	413	460
26	563	541	552	458	351	417	459	432	446	494	459	477
27	580	226	516	470	444	458	461	132	304	472	434	447
28	512	226	391	459	431	449	437	266	372	473	443	460
29	---	---	---	484	439	454	465	415	449	469	439	458
30	---	---	---	470	449	457	469	453	461	464	198	394
31	---	---	---	459	126	283	---	---	---	279	144	210
MONTH	580	199	477	582	94	429	498	132	439	772	95	420
JUNE				JULY			AUGUST			SEPTEMBER		
1	419	160	310	483	442	464	466	413	440	---	---	---
2	444	178	346	483	454	473	452	400	426	---	---	---
3	489	254	380	478	452	469	439	368	410	---	---	---
4	473	435	455	470	451	462	433	377	409	---	---	---
5	480	238	354	466	427	452	491	376	425	---	---	---
6	451	333	401	478	416	448	483	372	424	---	---	---
7	477	424	448	478	353	426	452	380	426	---	---	---
8	477	421	455	447	403	439	449	378	413	389	194	345
9	468	418	442	461	403	441	433	371	403	436	330	382
10	474	407	446	462	144	423	449	385	419	436	374	411
11	474	403	439	372	144	279	438	373	413	423	380	407
12	469	165	317	418	180	320	439	373	410	448	360	412
13	436	298	368	455	418	442	444	391	422	419	384	398
14	442	112	392	462	437	452	452	385	419	406	371	393
15	327	136	249	462	433	445	425	371	395	435	387	404
16	450	327	404	464	94	366	421	363	395	468	373	419
17	462	444	453	463	380	423	428	364	393	439	386	412
18	464	441	454	466	146	406	417	357	394	399	365	387
19	458	421	443	459	203	392	433	368	401	407	377	390
20	462	428	445	474	144	415	435	363	407	397	361	376
21	464	413	438	465	405	439	437	376	411	380	358	366
22	464	410	436	471	229	435	437	354	396	397	353	374
23	461	228	416	443	233	376	422	385	412	511	359	412
24	336	147	240	476	252	421	---	---	---	450	400	417
25	415	147	351	429	275	356	---	---	---	419	289	375
26	395	197	335	462	410	434	415	319	363	418	359	393
27	377	149	240	464	360	439	427	378	404	396	331	376
28	389	90	243	494	339	418	434	362	404	509	373	411
29	440	189	391	494	230	444	427	374	403	509	254	347
30	456	189	387	387	180	292	418	377	398	398	331	366
31	---	---	---	451	387	420	419	134	333	---	---	---
MONTH	489	90	383	494	94	416	---	---	---	---	---	---

MOBILE RIVER BASIN

02458450 VILLAGE CREEK AT AVE. W AT ENSLEY, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	27.4	23.0	24.9	21.2	17.2	19.2	18.3	14.8	16.3	11.6	9.2	10.4
2	26.6	22.0	24.1	19.6	18.1	18.9	18.0	14.1	15.9	11.6	10.6	11.1
3	26.4	22.5	24.4	19.4	17.1	18.2	18.4	15.6	16.7	10.6	7.5	9.0
4	27.9	23.2	25.2	18.1	15.4	16.5	19.0	15.6	17.2	8.4	6.3	7.2
5	27.0	23.8	25.2	15.4	12.9	14.3	20.1	17.4	18.6	7.7	5.1	6.3
6	26.0	23.5	24.6	14.2	10.8	12.4	20.7	18.5	19.3	8.8	6.4	7.4
7	24.1	23.0	23.6	14.7	10.1	12.2	20.7	18.9	19.7	12.1	8.8	10.7
8	24.0	20.6	22.3	15.2	13.0	14.0	20.2	16.7	19.2	13.8	11.7	12.6
9	22.8	18.2	20.2	18.4	15.2	16.9	16.7	13.6	15.1	13.7	7.8	11.0
10	23.3	17.6	20.0	19.1	17.3	18.1	14.9	12.3	13.7	9.0	6.4	7.7
11	23.7	18.0	20.4	17.8	14.4	16.3	---	---	---	10.4	7.3	8.7
12	23.9	18.5	20.8	16.3	13.1	14.7	14.3	12.7	13.5	12.6	8.8	10.6
13	23.6	18.6	20.8	17.0	14.7	15.8	14.7	13.6	14.4	14.4	11.7	12.9
14	23.3	18.2	20.4	16.3	14.3	15.4	13.6	12.4	13.2	15.0	12.8	13.9
15	23.1	17.9	20.2	17.5	16.3	16.9	13.8	11.4	12.3	12.8	10.4	11.5
16	23.9	19.2	21.1	18.6	16.6	17.6	13.3	10.0	11.4	13.2	9.6	11.1
17	23.4	19.2	21.0	19.6	16.4	18.0	12.9	10.5	11.4	14.9	11.6	13.2
18	24.0	19.8	21.7	18.2	14.4	16.2	12.3	9.3	10.8	15.4	12.4	14.1
19	23.7	21.3	22.5	19.0	16.4	17.5	12.7	10.3	11.6	14.1	10.7	12.2
20	23.3	20.0	21.7	17.8	15.0	17.0	15.2	12.7	14.2	15.7	11.9	13.8
21	21.1	18.4	19.5	15.9	12.9	14.3	17.1	14.9	16.0	17.3	14.1	15.6
22	19.0	15.9	17.2	16.1	12.0	14.1	16.8	10.4	13.2	---	---	---
23	18.1	14.0	15.8	17.8	15.1	16.4	10.4	7.0	9.2	16.8	14.9	16.1
24	18.4	13.5	15.8	18.8	16.9	17.7	9.3	6.0	7.7	15.0	13.2	14.0
25	19.4	14.4	16.6	18.5	16.5	17.4	10.7	9.3	10.0	15.3	12.8	13.8
26	19.5	14.7	16.9	18.4	15.0	16.8	11.8	10.6	11.1	16.4	12.7	14.3
27	20.0	14.9	17.2	16.8	13.2	14.7	11.5	10.0	10.8	16.9	13.5	14.9
28	20.3	15.9	18.0	16.6	12.7	14.4	11.7	9.1	10.4	16.2	14.4	15.2
29	21.0	16.6	18.6	16.8	12.8	14.5	12.5	11.3	12.0	17.0	15.1	15.9
30	21.6	17.4	19.5	16.7	13.0	14.8	11.3	9.4	10.3	15.9	14.9	15.5
31	22.0	18.5	20.0	---	---	---	11.9	9.3	10.3	14.9	12.6	13.5
MONTH	27.9	13.5	20.7	21.2	10.1	16.0	---	---	---	---	---	---
FEBRUARY				MARCH			APRIL			MAY		
1	13.6	12.3	12.9	16.2	11.5	13.7	20.1	15.1	17.2	22.9	15.7	18.8
2	15.6	13.3	14.3	17.2	12.1	14.4	20.9	16.5	18.5	24.1	16.5	19.9
3	15.9	13.1	14.5	15.1	11.8	13.3	23.2	17.7	20.2	24.9	17.6	20.8
4	16.8	14.1	15.2	14.8	10.2	12.3	22.1	19.0	20.3	23.8	18.8	20.7
5	15.8	12.2	13.9	15.4	11.2	13.1	24.2	18.3	20.9	22.1	19.4	20.6
6	17.3	13.0	14.9	16.0	12.8	14.2	22.5	20.3	20.9	21.7	18.1	20.0
7	18.4	15.5	16.7	15.0	11.2	13.0	24.2	19.4	21.5	23.1	19.5	21.0
8	18.5	14.6	16.4	13.1	10.9	11.9	22.9	20.7	21.6	23.8	18.3	20.7
9	18.5	15.8	17.0	15.1	10.2	12.5	24.1	20.0	21.6	25.4	18.9	21.7
10	18.3	16.9	17.5	15.8	11.6	13.5	24.4	20.7	22.3	24.1	19.9	21.9
11	19.9	16.5	17.9	14.6	11.7	13.0	25.3	21.0	22.5	25.4	20.1	22.2
12	17.9	11.9	15.0	15.8	10.7	13.1	23.1	18.0	20.3	23.3	20.7	21.8
13	13.5	10.0	11.3	13.5	9.0	12.1	22.0	16.5	19.0	25.0	20.8	22.1
14	13.3	8.2	10.4	12.0	9.4	11.3	21.3	16.3	18.6	24.9	19.1	21.6
15	13.6	9.0	11.1	14.9	10.3	12.3	19.5	16.7	18.1	25.7	19.3	22.1
16	14.7	10.5	12.6	16.3	11.0	13.6	20.0	14.8	17.0	26.6	20.2	23.0
17	14.6	13.3	14.1	17.6	12.7	14.9	18.2	14.2	15.8	27.5	20.6	23.6
18	13.3	12.3	12.8	19.0	13.7	16.2	19.3	13.0	15.6	24.1	21.3	22.7
19	14.1	11.3	12.7	18.6	13.9	16.1	21.1	13.7	17.0	26.6	20.5	23.1
20	15.4	11.1	13.0	17.6	14.0	15.7	23.8	16.4	19.5	26.7	19.6	22.9
21	13.6	9.8	12.1	17.9	13.6	15.4	25.3	18.1	21.1	27.4	20.8	23.8
22	12.9	8.1	10.2	18.3	12.5	15.2	24.2	18.6	21.0	26.8	21.7	24.0
23	10.3	9.5	9.8	18.1	13.0	15.4	24.8	19.6	21.9	28.2	22.4	24.6
24	14.1	8.7	11.0	17.4	15.0	16.1	22.3	20.9	21.6	26.8	21.6	23.7
25	13.0	9.9	11.7	16.1	13.7	15.0	24.8	19.7	21.9	27.5	20.9	23.8
26	17.0	12.4	14.4	17.4	11.8	14.2	23.4	19.8	21.2	24.6	21.6	23.0
27	15.9	14.4	15.1	18.2	11.6	14.5	21.7	20.2	21.0	27.0	20.9	23.4
28	16.1	13.3	14.5	19.3	12.4	15.6	25.0	20.3	22.2	27.4	20.3	23.4
29	---	---	---	17.9	14.8	16.1	21.4	18.6	20.2	26.5	20.8	23.5
30	---	---	---	16.1	14.5	15.3	20.1	16.8	18.2	25.1	21.8	23.1
31	---	---	---	15.1	13.2	14.2	---	---	---	23.0	21.3	22.2
MONTH	19.9	8.1	13.7	19.3	9.0	14.1	25.3	13.0	20.0	28.2	15.7	22.2

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

[illegible]

MOBILE RIVER BASIN

02458450 VILLAGE CREEK AT AVE. W AT ENSLEY, AL--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	8.6	7.6	8.1	12.0	8.1	9.8	---	---	---	11.4	1.3	5.5
2	8.6	7.2	8.0	12.5	7.8	9.8	8.3	4.7	6.3	12.6	1.8	7.6
3	9.4	7.2	8.1	8.5	7.7	8.0	8.5	4.5	6.2	13.9	2.4	7.2
4	9.5	6.5	7.8	10.3	7.9	9.0	8.3	4.2	6.0	12.1	4.7	7.6
5	10.9	8.0	9.1	10.6	7.7	9.0	8.3	4.2	5.9	8.1	4.2	5.8
6	10.5	6.9	8.8	8.4	7.4	7.5	6.8	3.5	4.8	6.6	3.8	4.9
7	10.6	6.5	8.0	10.9	7.7	9.4	7.1	3.2	4.9	8.5	5.6	6.8
8	12.5	6.9	9.1	11.4	8.9	9.8	6.5	2.9	4.5	8.0	5.5	6.6
9	12.6	6.6	8.8	9.8	8.4	8.8	6.2	2.9	4.2	8.4	5.2	6.7
10	12.8	6.2	8.9	11.1	8.4	9.5	6.2	2.8	4.2	8.7	5.1	6.7
11	13.9	6.2	9.2	11.5	8.8	9.9	5.9	2.4	3.9	9.9	4.6	6.9
12	14.6	6.1	9.8	11.8	8.6	10.0	5.4	2.5	3.8	9.8	4.5	6.6
13	15.0	8.2	11.1	11.0	7.4	9.3	5.0	2.3	3.5	9.2	4.3	6.3
14	15.1	9.6	11.7	9.2	4.5	7.7	---	---	---	10.2	4.9	7.2
15	15.4	9.4	11.9	10.7	8.9	9.7	---	---	---	10.4	4.6	7.4
16	14.3	7.7	10.9	10.7	7.9	9.2	---	---	---	10.7	3.8	7.6
17	9.6	6.4	7.3	10.4	7.4	8.7	---	---	---	11.6	5.4	8.5
18	10.1	7.0	8.3	10.6	6.8	8.4	---	---	---	11.3	3.8	6.7
19	9.4	7.3	8.2	11.0	6.7	8.4	---	---	---	10.5	4.7	7.4
20	11.8	7.6	9.3	10.6	6.0	7.9	13.3	6.7	9.4	11.1	6.0	8.2
21	12.8	7.5	9.9	9.1	5.3	6.8	13.6	5.6	9.1	12.0	5.7	8.3
22	13.6	8.7	10.8	9.4	4.7	7.1	13.8	5.4	8.9	12.9	6.1	8.7
23	11.6	7.9	9.5	8.6	3.6	5.9	12.9	5.2	8.4	12.8	4.5	8.4
24	14.0	8.4	10.5	---	---	---	10.1	5.1	7.2	---	---	---
25	12.4	7.0	9.4	---	---	---	13.1	4.9	8.2	---	---	---
26	14.2	6.5	9.5	---	---	---	12.6	4.6	7.7	---	---	---
27	11.4	6.2	8.3	---	---	---	---	---	---	---	---	---
28	10.5	7.2	8.6	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	15.4	6.1	9.2	---	---	---	---	---	---	---	---	---
JUNE				JULY			AUGUST			SEPTEMBER		
1	9.5	1.5	5.0	7.7	5.8	6.7	10.6	4.5	7.0	---	---	---
2	6.6	1.6	3.6	8.4	6.1	7.1	10.3	4.5	7.1	---	---	---
3	7.5	3.1	6.0	9.5	5.7	7.5	14.8	3.9	7.6	---	---	---
4	8.8	3.0	5.4	10.3	6.5	8.1	11.1	2.6	6.2	---	---	---
5	7.1	3.5	4.8	10.4	6.3	8.1	11.9	1.6	6.0	---	---	---
6	9.6	3.6	6.2	10.4	6.1	8.0	12.8	1.4	6.0	---	---	---
7	10.7	4.0	6.7	10.0	4.8	6.8	14.0	1.2	6.4	---	---	---
8	9.3	4.0	6.3	9.8	4.8	7.2	12.4	2.6	6.9	---	---	---
9	9.6	4.0	6.5	9.7	4.6	7.2	12.6	2.9	6.8	---	---	---
10	10.9	3.9	6.9	9.7	5.1	7.2	13.2	3.3	7.3	---	---	---
11	10.1	4.3	7.1	7.5	4.9	6.0	13.1	3.7	7.4	---	---	---
12	6.4	4.0	4.7	7.5	5.1	6.1	12.7	3.7	7.6	---	---	---
13	7.8	4.0	5.6	7.7	5.0	6.4	13.0	3.5	7.4	---	---	---
14	10.2	4.3	6.6	9.1	4.8	6.7	13.6	3.9	7.9	---	---	---
15	6.8	4.4	5.3	10.0	5.1	7.1	14.2	4.3	8.4	---	---	---
16	6.9	4.2	5.3	8.1	5.0	5.8	13.8	4.3	8.4	10.7	2.4	5.5
17	8.1	3.5	5.7	7.4	5.1	6.2	14.2	3.5	7.7	10.6	2.2	5.5
18	9.8	4.6	6.9	8.5	5.7	6.8	13.3	2.4	6.6	---	---	---
19	12.1	4.6	8.0	8.2	5.2	6.5	12.0	1.8	5.6	---	---	---
20	12.3	4.8	8.2	8.9	4.8	6.2	11.8	.8	5.2	---	---	---
21	12.1	5.0	8.2	9.4	4.8	6.7	11.5	.6	4.9	---	---	---
22	12.1	4.7	8.2	9.8	3.7	6.6	---	---	---	9.9	1.9	5.2
23	10.7	3.9	6.6	8.6	3.7	5.9	---	---	---	10.3	3.1	5.9
24	5.1	4.2	4.7	8.8	4.1	5.8	---	---	---	10.2	2.9	5.8
25	7.7	4.1	5.4	8.9	4.1	6.1	---	---	---	9.8	2.4	5.7
26	6.8	4.0	5.1	9.7	4.9	6.8	---	---	---	9.6	2.5	5.5
27	5.4	4.2	5.0	10.2	4.0	6.7	8.2	1.1	6.0	9.3	1.8	5.0
28	6.1	4.5	5.2	9.4	3.7	6.5	9.3	2.3	6.6	9.5	2.0	4.9
29	6.5	5.1	5.9	10.3	4.3	7.0	---	---	---	---	---	---
30	6.8	4.9	5.8	8.2	4.0	5.6	---	---	---	6.9	1.7	4.0
31	---	---	---	10.0	4.3	6.6	---	---	---	---	---	---
MONTH	12.3	1.5	6.0	10.4	3.7	6.7	---	---	---	---	---	---

MOBILE RIVER BASIN

02458502 VILLAGE CREEK NEAR PRATT CITY, AL

LOCATION.--Lat 33°31'59", long 86°53'59", in SW¹/₄ sec. 30, T. 17 S., R. 3 W., Jefferson County, Hydrologic Unit 03160111, on bank just upstream of railroad bridge, 1 mi southwest of Pratt City, and at mile 27.8.

DRAINAGE AREA.--36.7 mi².

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 500 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges: Oct. 18 to Nov. 7, Jan. 15-25. Records good except those of estimated period, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	e31	28	50	319	57	87	32	84	91	33	22
2	16	e31	30	581	179	63	62	31	175	67	35	23
3	14	e40	30	185	119	512	54	29	56	54	33	25
4	25	e31	30	82	93	85	50	47	38	47	28	23
5	25	e25	31	65	74	64	47	51	71	105	23	24
6	24	e20	29	59	67	324	47	642	34	51	23	25
7	144	e22	31	64	62	79	44	59	33	59	24	22
8	63	64	117	77	57	64	42	46	32	46	26	27
9	29	79	37	285	54	334	40	38	31	42	28	26
10	26	366	30	78	53	83	37	37	31	104	29	24
11	26	64	151	63	48	68	35	38	30	188	29	22
12	23	35	103	58	49	59	34	43	154	94	28	21
13	23	32	75	54	43	590	33	46	50	48	27	22
14	21	484	39	114	41	398	30	35	206	42	27	22
15	24	137	36	e112	37	147	226	34	309	38	23	22
16	19	46	33	e64	32	94	39	32	67	213	22	17
17	16	38	32	e59	293	74	34	30	47	58	21	13
18	e13	33	32	e88	94	64	31	70	37	163	21	12
19	e13	31	73	e58	113	58	30	33	34	69	20	13
20	e12	34	40	e51	58	62	29	30	33	94	18	15
21	e16	31	35	e51	50	103	28	29	31	46	19	27
22	e16	28	76	e50	44	50	30	34	31	63	20	15
23	e16	29	125	e1300	42	47	32	76	54	50	21	12
24	e15	28	921	e170	42	46	34	83	263	61	37	11
25	e17	25	106	e85	41	87	36	32	128	44	46	15
26	e14	26	68	71	40	48	32	35	76	38	20	14
27	e14	25	56	64	176	42	272	31	513	46	19	16
28	e16	24	558	61	193	41	51	27	1800	38	22	22
29	e15	24	112	292	---	40	38	27	368	58	24	64
30	e29	23	69	1080	---	41	35	57	210	98	21	23
31	e35	---	56	810	---	436	---	323	---	33	21	---
TOTAL	777	1906	3189	6281	2513	4260	1619	2157	5026	2248	788	639
MEAN	25.1	63.5	103	203	89.8	137	54.0	69.6	168	72.5	25.4	21.3
MAX	144	484	921	1300	319	590	272	642	1800	213	46	64
MIN	12	20	28	50	32	40	28	27	30	33	18	11
CFSM	.68	1.73	2.80	5.52	2.45	3.74	1.47	1.90	4.56	1.98	.69	.58
IN.	.79	1.93	3.23	6.37	2.55	4.32	1.64	2.19	5.09	2.28	.80	.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 1999, BY WATER YEAR (WY)

	MEAN	48.1	61.8	89.8	211	142	145	127	74.7	115	76.6	54.9	22.3
	MAX	71.1	63.5	103	219	193	153	201	79.8	168	80.7	84.4	23.4
(WY)	1998	1999	1999	1998	1998	1998	1998	1998	1998	1999	1998	1998	1998
	MIN	25.1	60.0	76.7	203	89.8	137	54.0	69.6	62.2	72.5	25.4	21.3
(WY)	1999	1999	1998	1998	1999	1999	1999	1999	1999	1998	1999	1999	1999

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1998 - 1999

ANNUAL TOTAL	38999		31403										
ANNUAL MEAN	107		86.0								97.1		
HIGHEST ANNUAL MEAN											108		1998
LOWEST ANNUAL MEAN											86.0		1999
HIGHEST DAILY MEAN	2650	Jan 7	1800	Jun 28							2650	Jan 7	1998
LOWEST DAILY MEAN	12	Oct 20	11	Sep 24							11	Sep 24	1999
ANNUAL SEVEN-DAY MINIMUM	14	Oct 18	14	Oct 18							14	Oct 18	1998
INSTANTANEOUS PEAK FLOW			3820	Jun 28							5000	Jan 7	1998
INSTANTANEOUS PEAK STAGE			14.77	Jun 28							16.50	Jan 7	1998
ANNUAL RUNOFF (CFSM)	2.91		2.34								2.65		
ANNUAL RUNOFF (INCHES)	39.53		31.83								35.96		
10 PERCENT EXCEEDS	234		172								210		
50 PERCENT EXCEEDS	40		40								42		
90 PERCENT EXCEEDS	19		21								21		

e Estimated

MOBILE RIVER BASIN

02458600 VILLAGE CREEK NEAR DOCENA, AL

LOCATION.--Lat 33°32'53", long 86°55'33", in N¹/₂ sec. 23, T. 17 S., R. 4 W., Jefferson County, Hydrologic Unit 03160111, near right bank on downstream side of bridge on Minor Parkway, 0.5 mi south of Docena, and at mile 23.0.
DRAINAGE AREA.--52.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 510 ft above sea level (from topographic map).

REMARKS.--Estimated discharges: Jan. 3-7. Water-discharge records fair due to effects of Bay View Lake. 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	73	83	106	483	121	183	81	182	198	82	77
2	76	74	82	651	323	110	132	79	204	153	86	78
3	75	76	81	354	221	698	117	79	e130	132	85	79
4	77	74	80	166	177	198	110	80	e85	121	82	77
5	80	74	80	133	144	144	106	91	e150	171	79	77
6	78	75	80	120	128	437	105	729	e100	143	78	77
7	159	74	81	121	117	179	101	135	e98	132	78	77
8	119	98	146	131	110	138	98	113	98	120	79	79
9	82	114	95	362	103	451	96	104	98	114	80	80
10	78	373	83	161	99	182	91	103	97	126	81	78
11	77	147	152	132	94	148	90	102	95	231	81	75
12	78	86	192	120	97	129	89	106	195	203	81	74
13	78	82	132	113	92	613	87	110	114	116	80	76
14	77	504	99	213	87	786	83	102	196	102	80	78
15	76	203	91	151	85	291	259	97	385	93	77	79
16	74	101	88	122	83	193	95	96	145	243	76	78
17	74	93	87	112	392	157	87	96	114	116	77	76
18	72	87	85	136	238	136	84	118	105	190	77	74
19	74	84	114	110	204	123	83	103	100	190	76	73
20	75	87	92	107	125	119	84	97	99	140	76	75
21	75	85	87	104	110	176	82	95	99	109	75	81
22	74	81	122	133	101	111	80	96	98	106	75	77
23	73	83	179	1680	96	105	81	106	102	107	76	74
24	72	83	1100	315	95	103	81	168	333	101	84	73
25	72	82	207	192	93	136	82	99	158	99	94	74
26	72	81	133	153	91	108	79	100	158	89	79	73
27	73	80	112	136	171	99	298	98	551	91	77	74
28	73	79	676	125	332	96	104	95	2190	89	78	77
29	74	78	219	281	---	97	86	94	545	86	78	105
30	74	78	140	1430	---	97	82	107	378	147	79	83
31	74	---	118	1160	---	495	---	304	---	83	76	---
TOTAL	2462	3389	5116	9330	4491	6976	3235	3983	7402	4141	2462	2328
MEAN	79.4	113	165	301	160	225	108	128	247	134	79.4	77.6
MAX	159	504	1100	1680	483	786	298	729	2190	243	94	105
MIN	72	73	80	104	83	96	79	79	85	83	75	73
CFSM	1.52	2.16	3.16	5.77	3.07	4.31	2.07	2.46	4.73	2.56	1.52	1.49
IN.	1.75	2.42	3.65	6.65	3.20	4.97	2.31	2.84	5.27	2.95	1.75	1.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1999, BY WATER YEAR (WY)

MEAN	99.5	116	151	301	223	225	195	144	172	153	112	89.8
MAX	130	120	165	364	309	255	317	154	247	181	137	102
(WY)	1998	1998	1999	1998	1998	1998	1998	1998	1999	1996	1998	1997
MIN	79.4	113	137	238	160	196	108	128	103	134	79.4	77.6
(WY)	1999	1999	1997	1997	1999	1997	1999	1999	1998	1999	1999	1999

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1996 - 1999

ANNUAL TOTAL	67099	55315	
ANNUAL MEAN	184	152	164
HIGHEST ANNUAL MEAN			188
LOWEST ANNUAL MEAN			151
HIGHEST DAILY MEAN	3410	2190	3410
LOWEST DAILY MEAN	72	72	61
ANNUAL SEVEN-DAY MINIMUM	73	73	62
INSTANTANEOUS PEAK FLOW		4240	6130
INSTANTANEOUS PEAK STAGE		9.83	11.93
ANNUAL RUNOFF (CFSM)	3.52	2.90	3.13
ANNUAL RUNOFF (INCHES)	47.82	39.42	42.56
10 PERCENT EXCEEDS	333	225	291
50 PERCENT EXCEEDS	99	98	104
90 PERCENT EXCEEDS	76	76	75

e Estimated

MOBILE RIVER BASIN

02458600 VILLAGE CREEK NEAR DOCENA, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- June 1996 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1996 to current year.

WATER TEMPERATURES: June 1996 to current year.

DISSOLVED OXYGEN.: June 1996 to current year.

INSTRUMENTATION.--Water-quality monitor since June 1996.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 637 microSiemens, June 18, 1998; minimum, 58 microSiemens, May 10, 1998.

WATER TEMPERATURE: Maximum, 30.7°C, Aug. 1, 1999; minimum, 6.4°C, Dec. 14, 1997.

DISSOLVED OXYGEN: Maximum, 11.7 mg/L, Aug. 4, 1998; minimum, 2.9 mg/L, July 5, 1998.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 617 microSiemens, May 3; minimum, 109 microSiemens, May 6.

WATER TEMPERATURE: Maximum, 30.7°C, Aug. 1; minimum, 7.1°C, Dec. 24.

DISSOLVED OXYGEN: Maximum, 9.9 mg/L, Mar. 23; minimum, 3.0 mg/L, Oct. 7.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	508	456	480	560	547	551	572	425	553	517	498	514
2	509	476	492	548	517	531	567	385	525	507	154	370
3	504	480	491	551	517	536	578	553	566	439	263	378
4	489	459	476	566	543	553	586	554	569	473	439	456
5	473	450	462	576	528	562	580	542	560	486	473	480
6	485	442	464	565	538	553	577	563	571	493	479	488
7	488	219	421	540	522	531	575	555	565	492	480	486
8	411	219	334	533	366	472	563	309	431	496	458	475
9	464	410	440	397	310	359	530	342	462	462	274	351
10	496	459	477	439	186	354	578	530	560	460	395	440
11	501	472	485	436	255	370	578	299	480	482	460	470
12	494	463	477	513	436	480	467	276	383	502	482	495
13	495	454	475	538	513	528	474	435	451	507	496	502
14	483	472	477	549	211	371	523	465	501	505	350	435
15	485	473	478	420	316	363	551	523	541	447	376	419
16	491	474	484	506	420	478	562	549	555	473	447	467
17	497	473	487	561	504	538	567	556	560	477	469	473
18	493	486	490	548	538	544	574	556	565	469	387	430
19	487	472	475	565	541	549	574	420	505	476	428	459
20	493	472	480	551	539	545	522	437	489	488	476	484
21	511	485	495	547	539	543	549	520	534	490	479	485
22	518	493	504	548	540	546	554	429	485	491	334	468
23	520	503	511	540	517	525	498	341	438	364	140	251
24	562	508	530	544	521	534	410	151	275	418	364	396
25	521	504	507	566	542	551	476	410	453	446	418	430
26	504	486	491	568	545	557	495	475	484	457	446	454
27	590	487	526	555	535	544	510	495	506	470	457	466
28	534	505	520	548	533	539	510	156	323	477	469	473
29	550	522	534	559	543	550	478	380	441	476	208	443
30	554	537	545	562	545	553	504	478	493	304	178	229
31	565	535	549	---	---	---	514	504	511	325	220	261
MONTH	590	219	486	576	186	507	586	151	495	517	140	433

MOBILE RIVER BASIN

02458600 VILLAGE CREEK NEAR DOCENA, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	398	325	363	456	406	435	405	299	363	498	484	492
2	435	398	417	472	445	466	425	405	417	498	484	495
3	450	435	440	445	177	288	433	425	429	617	471	500
4	460	450	455	410	361	390	432	425	430	485	391	476
5	493	460	477	428	410	419	449	424	430	435	366	407
6	504	492	497	428	178	310	452	431	447	441	109	282
7	506	497	501	408	362	392	460	448	455	458	370	425
8	513	500	508	427	407	418	460	450	457	477	458	468
9	533	512	527	427	173	304	462	451	458	482	468	474
10	542	529	535	422	373	401	468	458	463	472	462	467
11	543	528	536	430	422	426	473	460	470	477	463	472
12	533	505	524	438	427	433	460	452	456	476	380	456
13	514	501	510	445	118	363	480	456	469	452	381	441
14	522	495	507	347	133	281	482	468	478	467	431	455
15	495	477	487	397	347	375	475	186	326	466	457	463
16	497	458	489	436	397	410	443	371	412	469	455	465
17	501	235	384	434	422	425	465	441	454	462	451	457
18	419	289	360	441	429	436	470	452	461	472	290	430
19	429	345	392	443	430	440	458	451	452	455	319	405
20	463	420	447	452	418	440	475	451	465	500	452	470
21	471	463	468	426	339	371	485	471	477	500	480	486
22	475	468	472	437	400	425	486	477	482	494	482	488
23	488	475	484	452	437	448	485	463	477	486	376	462
24	491	485	488	458	450	456	487	470	482	428	242	337
25	497	487	493	463	371	423	476	447	464	478	428	455
26	501	492	496	443	380	417	463	455	460	488	478	484
27	503	249	475	465	443	456	471	183	352	482	474	478
28	406	224	331	457	451	454	434	299	379	498	474	489
29	---	---	---	456	446	451	470	434	457	500	491	497
30	---	---	---	462	450	457	486	468	479	496	363	479
31	---	---	---	461	168	321	---	---	---	363	224	292
MONTH	543	224	467	472	118	404	487	183	443	617	109	450
JUNE				JULY			AUGUST			SEPTEMBER		
1	421	232	333	498	452	473	476	462	470	---	---	---
2	477	256	407	512	498	508	462	442	448	---	---	---
3	463	337	403	520	509	516	467	443	458	---	---	---
4	505	341	476	511	485	503	490	461	473	---	---	---
5	511	375	454	486	209	451	---	---	---	---	---	---
6	487	419	457	494	259	444	---	---	---	---	---	---
7	496	484	490	508	395	478	---	---	---	---	---	---
8	510	485	504	501	442	486	---	---	---	---	---	---
9	515	495	509	495	481	491	462	446	456	---	---	---
10	511	491	505	506	412	498	480	446	468	---	---	---
11	520	492	510	412	252	332	---	---	---	---	---	---
12	494	257	385	419	243	342	---	---	---	---	---	---
13	436	308	382	486	419	465	---	---	---	---	---	---
14	465	150	431	503	477	489	---	---	---	---	---	---
15	369	159	283	484	471	478	479	468	472	486	466	476
16	457	344	412	482	141	399	469	413	459	500	474	488
17	478	457	474	450	334	417	496	459	480	508	478	493
18	494	477	489	470	148	425	501	479	491	501	481	490
19	496	484	493	445	222	357	497	481	490	484	465	472
20	495	480	489	470	224	432	494	477	485	469	439	453
21	483	471	479	459	415	443	490	475	483	454	423	442
22	498	473	487	483	459	476	486	466	474	472	453	463
23	499	431	480	471	351	412	466	448	453	492	467	479
24	437	178	286	484	413	469	---	---	---	513	475	489
25	439	252	400	458	401	419	---	---	---	533	474	501
26	426	240	367	462	446	454	---	---	---	478	465	472
27	420	209	290	479	445	471	---	---	---	476	443	459
28	390	133	238	476	445	461	---	---	---	469	440	457
29	448	305	405	495	416	482	---	---	---	492	358	410
30	456	308	406	474	277	348	---	---	---	459	378	428
31	---	---	---	472	426	454	---	---	---	---	---	---
MONTH	520	133	424	520	141	448	---	---	---	---	---	---

MOBILE RIVER BASIN

02458600 VILLAGE CREEK NEAR DOCENA, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	27.1	24.6	25.7	22.9	20.2	21.5	19.9	17.7	18.7	14.4	12.5	13.5
2	26.5	24.0	25.2	22.2	20.8	21.4	19.8	16.7	18.1	14.1	11.8	13.1
3	26.4	24.6	25.4	21.8	20.1	20.9	20.3	18.0	19.0	12.0	11.1	11.6
4	27.0	24.6	25.8	20.9	19.1	19.9	20.6	18.0	19.3	11.7	10.3	11.0
5	26.6	25.0	25.8	19.7	18.2	18.9	21.2	19.7	20.3	11.6	9.7	10.7
6	26.0	25.0	25.4	18.3	16.5	17.3	21.4	20.2	20.7	12.4	10.6	11.5
7	25.5	23.6	24.6	18.3	15.5	16.8	21.7	20.6	21.0	14.5	12.4	13.5
8	24.2	22.3	23.2	17.6	16.8	17.1	21.2	18.4	20.3	15.3	14.1	14.7
9	23.4	20.8	22.1	19.8	17.0	18.5	18.5	17.2	17.8	15.3	11.2	12.9
10	23.5	20.3	21.8	20.1	18.9	19.5	18.2	16.1	17.1	12.0	10.3	11.2
11	23.7	20.6	22.1	19.1	17.6	18.3	17.7	14.4	16.6	13.2	10.7	12.0
12	---	---	---	18.7	16.3	17.5	17.0	14.3	15.8	14.5	11.9	13.3
13	---	---	---	19.6	17.8	18.6	17.0	16.3	16.6	15.9	14.1	14.9
14	---	---	---	19.2	15.3	17.2	16.8	15.9	16.4	15.4	14.1	15.2
15	23.9	20.6	22.2	18.9	17.6	18.3	16.6	14.5	15.6	14.4	12.8	13.7
16	24.5	21.9	23.1	20.3	18.5	19.4	16.4	13.9	15.2	14.7	12.1	13.4
17	24.2	21.8	22.9	21.0	19.1	20.1	15.8	14.5	15.1	16.1	13.9	14.9
18	24.9	22.6	23.6	20.0	17.4	18.8	15.6	13.2	14.4	16.1	14.6	15.4
19	25.1	23.4	24.2	20.8	19.2	19.9	15.2	14.3	14.7	15.5	13.0	14.4
20	24.5	22.9	23.8	19.9	18.2	19.6	17.7	14.9	16.5	16.8	14.6	15.6
21	23.2	21.6	22.4	18.5	16.6	17.6	19.0	17.3	18.1	18.0	15.9	16.9
22	22.0	20.3	20.9	18.6	15.9	17.4	18.8	13.9	15.8	18.0	16.8	17.3
23	21.1	18.6	19.7	20.0	17.9	18.9	13.9	11.0	12.4	17.3	15.5	16.2
24	21.2	18.0	19.5	20.7	19.5	20.0	12.0	7.1	9.5	15.5	14.4	14.9
25	21.3	18.3	19.8	20.6	19.0	19.7	13.5	12.0	12.8	16.0	13.5	14.8
26	22.1	18.7	20.2	20.1	18.2	19.4	14.4	13.5	13.8	16.7	14.3	15.5
27	22.5	19.1	20.7	18.7	16.4	17.6	14.4	12.9	13.7	17.3	15.0	16.1
28	22.5	19.4	20.9	18.8	16.1	17.4	14.3	10.0	12.3	17.1	15.6	16.4
29	22.9	19.9	21.3	18.7	16.2	17.5	14.7	13.6	14.2	17.8	16.2	16.8
30	23.5	20.5	21.9	19.2	16.3	17.7	14.0	12.7	13.4	16.4	15.2	15.7
31	23.3	21.3	22.3	---	---	---	14.5	12.6	13.5	15.2	13.6	14.2
MONTH	---	---	---	22.9	15.3	18.8	21.7	7.1	16.1	18.0	9.7	14.2
FEBRUARY				MARCH			APRIL			MAY		
1	14.7	13.7	14.2	16.6	13.4	15.0	18.9	15.8	17.2	22.2	17.7	19.8
2	16.3	14.6	15.4	17.3	13.9	15.6	19.6	16.8	18.2	22.9	18.3	20.5
3	16.5	14.5	15.6	16.2	13.4	14.3	21.7	17.9	19.7	23.3	19.2	21.2
4	17.1	15.5	16.2	15.5	12.3	13.9	21.0	18.9	19.9	22.8	20.1	21.4
5	16.6	14.1	15.4	16.0	13.1	14.6	22.3	18.3	20.2	22.0	20.1	20.9
6	17.5	14.7	16.1	16.4	13.3	15.0	21.3	19.8	20.4	22.0	18.4	20.3
7	18.4	16.6	17.4	15.7	13.3	14.6	22.7	19.5	21.0	22.4	19.8	21.0
8	18.4	15.8	17.2	14.8	13.3	14.1	22.0	20.5	21.2	22.9	18.9	20.9
9	18.6	16.7	17.6	15.7	11.1	13.8	22.9	20.2	21.4	23.6	19.5	21.5
10	18.7	17.6	18.1	16.3	13.5	14.9	23.0	20.8	21.8	23.4	20.5	22.0
11	19.6	17.4	18.4	15.7	13.8	14.7	23.6	21.0	22.1	24.0	20.8	22.4
12	18.7	14.8	16.7	16.6	13.1	14.9	22.0	19.2	20.6	22.9	21.4	22.1
13	15.3	13.3	14.3	15.4	10.0	13.8	21.4	17.8	19.6	23.8	21.1	22.3
14	15.2	12.1	13.6	13.3	10.1	12.5	21.1	18.0	19.5	23.9	20.3	22.0
15	15.8	12.4	14.1	15.4	12.3	13.8	20.0	16.9	18.8	24.1	20.4	22.2
16	17.0	13.9	15.3	16.7	12.9	14.8	20.0	16.6	18.2	24.9	21.3	23.0
17	16.3	14.2	15.4	17.5	14.0	15.7	19.0	16.1	17.6	25.4	21.5	23.4
18	14.7	13.7	14.2	18.4	14.8	16.6	19.5	15.4	17.3	24.1	22.2	23.1
19	15.1	12.8	14.2	18.4	15.3	16.8	20.8	16.0	18.3	25.2	21.4	23.2
20	16.0	13.1	14.6	17.9	15.2	16.5	22.4	18.3	20.2	25.2	20.9	23.1
21	15.0	13.0	14.2	17.7	14.8	16.1	23.4	19.4	21.2	25.8	21.9	23.8
22	14.6	11.5	13.1	18.1	14.2	16.1	22.9	20.1	21.4	25.9	22.7	24.2
23	13.4	12.5	13.0	18.3	14.5	16.4	23.7	20.7	22.1	26.2	22.8	24.4
24	15.6	12.2	13.7	18.0	16.3	17.1	22.6	21.4	21.9	25.6	22.1	23.7
25	15.4	12.9	14.3	17.3	15.6	16.4	23.6	20.5	21.9	26.0	21.7	23.7
26	17.7	14.7	16.0	17.7	14.0	15.8	22.7	20.7	21.6	24.7	22.8	23.7
27	17.2	15.1	16.4	18.2	13.9	15.9	22.1	20.7	21.4	25.7	22.2	23.8
28	16.6	14.6	15.4	19.0	14.4	16.6	23.8	20.7	22.1	25.8	21.8	23.8
29	---	---	---	18.2	16.2	17.1	22.2	20.4	20.9	25.6	22.3	24.0
30	---	---	---	17.4	16.1	16.8	20.5	18.6	19.6	24.8	23.0	23.7
31	---	---	---	16.7	14.0	15.3	---	---	---	23.5	21.6	22.6
MONTH	19.6	11.5	15.4	19.0	10.0	15.3	23.8	15.4	20.2	26.2	17.7	22.5

MOBILE RIVER BASIN

02458600 VILLAGE CREEK NEAR DOCENA, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	24.9	22.1	23.3	25.1	23.1	24.0	30.7	27.4	28.9	---	---	---
2	24.4	23.1	23.7	25.7	23.8	24.6	30.0	27.4	28.7	---	---	---
3	26.3	22.9	24.5	26.5	23.7	25.0	29.6	26.7	28.1	---	---	---
4	26.5	23.7	25.2	26.9	23.9	25.4	29.4	26.4	27.8	---	---	---
5	25.6	23.7	24.6	27.0	24.1	25.5	---	---	---	---	---	---
6	26.6	23.5	25.0	27.8	24.3	26.0	---	---	---	---	---	---
7	27.0	23.4	25.2	27.6	25.2	26.3	---	---	---	---	---	---
8	26.5	24.0	25.4	27.1	24.7	25.9	---	---	---	---	---	---
9	26.8	24.2	25.5	27.4	25.1	26.2	29.2	26.9	27.9	---	---	---
10	27.3	24.6	25.8	28.2	25.2	26.5	29.0	26.6	27.7	---	---	---
11	26.3	24.8	25.4	27.3	25.1	26.0	---	---	---	---	---	---
12	25.3	23.6	24.5	26.2	24.7	25.4	---	---	---	27.2	23.9	25.5
13	26.1	24.2	25.0	26.3	24.4	25.4	---	---	---	25.0	24.6	24.8
14	26.5	24.0	25.2	26.6	24.1	25.3	---	---	---	---	---	---
15	24.5	23.8	24.2	27.1	24.3	25.5	28.7	25.7	27.1	25.9	23.5	24.8
16	25.1	23.8	24.4	26.4	23.3	24.8	29.2	24.2	27.1	25.5	23.0	24.1
17	26.2	23.1	24.5	26.8	23.9	25.1	29.4	26.2	27.7	25.6	22.3	23.8
18	25.7	22.2	24.0	27.4	24.3	25.4	29.9	26.3	28.0	26.0	22.3	24.0
19	25.6	23.2	24.3	27.1	23.7	25.3	29.7	26.7	28.2	26.0	24.0	25.0
20	26.0	22.4	24.2	27.4	24.8	25.9	29.9	27.1	28.4	26.2	24.7	25.3
21	26.0	22.8	24.4	27.7	24.8	26.0	29.1	26.1	27.5	25.5	23.4	24.3
22	26.4	23.1	24.8	27.9	25.6	26.8	28.3	25.8	27.0	23.9	21.5	22.7
23	25.5	24.2	24.8	29.0	25.9	27.3	28.6	26.5	27.5	24.2	20.4	22.1
24	24.6	22.8	23.8	28.8	26.3	27.5	---	---	---	24.6	21.0	22.7
25	25.8	23.5	24.5	29.0	25.9	27.2	---	---	---	24.9	21.6	23.2
26	25.3	24.2	24.7	29.3	26.1	27.6	---	---	---	25.5	22.4	23.8
27	25.0	23.4	24.2	29.4	26.2	27.7	---	---	---	26.4	24.3	25.3
28	24.5	23.1	23.9	29.6	26.0	27.7	---	---	---	26.8	25.2	25.8
29	24.7	23.2	23.7	29.9	26.8	28.2	---	---	---	26.1	23.0	24.6
30	24.8	23.4	24.0	30.1	26.3	28.0	---	---	---	24.2	21.4	22.6
31	---	---	---	30.6	27.3	28.7	---	---	---	---	---	---
MONTH	27.3	22.1	24.6	30.6	23.1	26.2	---	---	---	---	---	---

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.2	4.9	6.3	8.8	5.6	6.9	9.1	6.4	7.5	7.5	6.9	7.2
2	8.6	5.0	6.5	7.4	5.1	6.4	8.7	6.8	7.5	7.4	7.0	7.1
3	8.5	4.6	6.2	8.3	5.2	6.6	8.9	6.7	7.5	7.2	6.9	7.0
4	8.5	3.5	6.1	8.9	4.8	7.1	9.0	6.8	7.6	7.3	6.9	7.1
5	8.4	4.7	6.3	8.7	5.8	7.2	8.7	6.6	7.4	7.1	6.6	6.9
6	7.6	4.7	6.0	9.1	6.4	7.5	8.8	6.6	7.4	6.6	6.5	6.6
7	6.4	3.0	5.3	9.3	6.8	7.8	8.4	6.6	7.2	9.7	6.3	8.1
8	6.8	4.8	5.8	7.1	6.0	6.7	6.9	5.3	6.2	9.1	8.6	8.8
9	7.5	5.3	6.3	6.7	5.9	6.2	8.0	6.5	7.2	9.1	8.5	8.9
10	7.5	5.4	6.3	6.9	5.2	6.1	8.4	7.2	7.7	9.6	9.1	9.4
11	7.6	5.4	6.3	7.1	6.3	6.6	7.7	7.2	7.4	9.6	9.0	9.3
12	---	---	---	7.5	6.7	7.0	7.7	7.4	7.6	9.3	7.5	8.6
13	---	---	---	7.4	6.4	6.8	7.5	7.3	7.4	8.0	7.2	7.5
14	9.2	7.0	7.9	8.0	6.5	7.1	9.3	7.4	8.4	7.3	6.6	7.0
15	9.4	6.2	7.5	6.9	6.5	6.7	9.0	8.0	8.6	7.6	6.5	7.0
16	9.2	6.0	7.3	6.6	6.1	6.4	8.8	7.8	8.2	7.6	6.7	7.0
17	8.9	5.8	7.1	6.8	6.0	6.3	8.8	7.6	8.2	7.1	6.6	6.8
18	8.9	5.4	6.9	7.3	6.1	6.6	9.2	7.9	8.4	6.7	6.3	6.5
19	8.1	5.3	6.6	6.6	5.9	6.3	8.3	7.5	7.9	7.1	6.2	6.6
20	8.5	4.8	6.4	6.2	5.6	5.9	8.4	7.5	7.8	6.9	6.0	6.4
21	8.7	5.5	6.9	7.3	5.9	6.5	8.5	7.3	7.8	6.9	5.8	6.2
22	8.9	6.0	7.2	7.6	6.2	6.8	7.9	7.2	7.5	6.5	5.5	5.9
23	8.9	6.2	7.4	7.4	6.2	6.7	8.4	7.7	7.9	5.9	5.0	5.4
24	9.5	6.2	7.6	7.5	5.8	6.5	8.8	7.8	8.4	5.5	4.9	5.2
25	9.6	6.5	7.8	7.7	5.8	6.6	8.1	7.6	7.8	5.4	4.8	5.1
26	9.2	6.4	7.6	7.9	5.9	6.8	7.9	7.6	7.7	5.3	4.6	4.9
27	9.4	6.1	7.5	8.4	6.5	7.2	7.9	7.5	7.7	5.0	4.4	4.7
28	9.2	5.9	7.3	8.7	6.6	7.4	8.2	7.0	7.6	4.8	4.1	4.5
29	9.1	5.8	7.2	9.0	6.7	7.6	7.4	6.6	7.0	4.8	4.1	4.4
30	9.0	5.6	7.0	9.2	6.7	7.6	7.4	6.7	7.1	4.6	4.3	4.5
31	8.6	5.1	6.8	---	---	---	7.5	6.9	7.1	4.7	4.3	4.4
MONTH	---	---	---	9.3	4.8	6.8	9.3	5.3	7.6	9.7	4.1	6.6

MOBILE RIVER BASIN

02461500 VALLEY CREEK NEAR BESSEMER, AL

LOCATION.--Lat 33°25'09", long 86°58'58", in NW¹/₄ sec. 5, T. 19 S., R. 4 W., Jefferson County, Hydrologic Unit 03160112, near left bank on downstream side of 19th Street bridge, 1.0 mi downstream from Opossum Creek, 2.0 mi west of Bessemer, and at mile 41.38.

DRAINAGE AREA.--52.5 mi².

PERIOD OF RECORD.--January 1946 to December 1947 (gage heights and discharge measurements only). May 1974 to May 1975 (rainfall-runoff site, flood hydrograph only). May 1975 to September 1979. May 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is 438.64 ft above sea level (levels by Jefferson County Highway Department). May 2, 1974 to May 14, 1975, rainfall-runoff site at same site and datum.

REMARKS.--No estimated daily discharges. Water-discharge 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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage of 18.6 ft present site and datum (discharge not determined), from highwater marks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	31	37	79	348	85	141	48	113	124	58	45
2	34	32	36	734	231	87	110	48	426	96	101	40
3	37	48	34	181	172	497	97	55	94	74	54	28
4	53	41	32	133	150	120	85	42	59	60	53	34
5	45	28	34	116	122	107	76	78	66	102	49	32
6	34	33	34	99	108	415	80	769	42	102	46	35
7	172	33	64	102	97	130	81	97	39	113	46	37
8	74	106	165	152	91	109	62	74	36	73	47	87
9	44	131	46	351	88	396	65	65	57	60	57	43
10	37	427	52	125	117	137	58	59	28	71	44	41
11	36	69	219	110	82	107	56	55	34	168	36	35
12	34	41	103	98	77	103	54	161	163	154	42	35
13	38	42	103	98	72	697	49	102	55	95	36	33
14	43	742	66	112	69	421	63	63	263	42	33	33
15	31	151	61	89	68	190	277	53	286	40	33	30
16	35	84	50	75	66	148	69	51	93	201	37	25
17	32	63	42	78	231	120	60	49	44	63	35	32
18	41	64	44	101	138	108	56	56	44	66	38	33
19	32	35	108	75	95	93	52	51	47	111	32	30
20	44	62	50	76	90	94	49	57	49	356	38	34
21	29	46	47	62	68	156	60	40	45	116	35	62
22	33	43	94	93	64	86	45	43	36	72	37	32
23	27	43	489	1400	73	78	52	44	56	62	46	28
24	28	45	657	211	57	75	52	82	189	63	58	27
25	38	42	143	155	52	156	62	40	186	72	65	30
26	29	39	109	123	63	89	50	45	133	66	36	32
27	35	33	98	122	135	74	354	37	651	58	34	33
28	34	31	511	104	252	69	85	36	1450	57	35	30
29	28	34	134	405	---	67	67	34	216	52	35	113
30	28	37	110	1370	---	68	53	55	232	87	29	35
31	31	---	94	902	---	503	---	296	---	51	39	---
TOTAL	1270	2656	3866	7931	3276	5585	2520	2785	5232	2927	1364	1164
MEAN	41.0	88.5	125	256	117	180	84.0	89.8	174	94.4	44.0	38.8
MAX	172	742	657	1400	348	697	354	769	1450	356	101	113
MIN	27	28	32	62	52	67	45	34	28	40	29	25
CFSM	.78	1.69	2.38	4.87	2.23	3.43	1.60	1.71	3.32	1.80	.84	.74
IN.	.90	1.88	2.74	5.62	2.32	3.96	1.79	1.97	3.71	2.07	.97	.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1999, BY WATER YEAR (WY)

	MEAN	96.5	109	119	195	163	223	161	131	105	107	73.9	108
MAX	269	207	162	352	353	585	586	317	228	217	140	273	
(WY)	1996	1996	1995	1996	1990	1976	1979	1976	1989	1989	1979	1977	
MIN	31.7	60.8	75.6	76.8	97.8	90.2	69.0	43.1	42.0	44.0	43.5	38.3	
(WY)	1992	1991	1994	1992	1978	1992	1990	1992	1988	1995	1990	1990	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1975 - 1999

ANNUAL TOTAL	47813	40576	
ANNUAL MEAN	131	111	133
HIGHEST ANNUAL MEAN			206
LOWEST ANNUAL MEAN			78.8
HIGHEST DAILY MEAN	3530	Jan 7	1450
LOWEST DAILY MEAN	27	Oct 23	25
ANNUAL SEVEN-DAY MINIMUM	31	Oct 26	30
INSTANTANEOUS PEAK FLOW			4680
INSTANTANEOUS PEAK STAGE			12.98
ANNUAL RUNOFF (CFSM)	2.50		2.12
ANNUAL RUNOFF (INCHES)	33.88		28.75
10 PERCENT EXCEEDS	241		194
50 PERCENT EXCEEDS	65		62
90 PERCENT EXCEEDS	35		33
			38
			17.06
			2.54
			34.45
			232
			74
			38
			11300
			Jun 28
			Sep 16
			Sep 22
			Apr 13 1979
			Jul 25 1988
			Aug 13 1988
			Apr 13 1979
			Apr 13 1979

MOBILE RIVER BASIN

02461630 HALLS CREEK AT BESSEMER, AL

LOCATION.--Lat 33°23'58", long 86°59'01", in NE 1/4 sec. 8, T. 19 S., R. 4 W., Jefferson County, Hydrologic Unit 03160112, at abandoned railroad bridge 0.4 mi west of Bessemer, and 0.5 mi from mouth.

DRAINAGE AREA.--7.30 mi².

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 460 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1-29, Aug. 22 to Sept. 3 (1998 water year) and June 18-25 (1999 water year). Records good except those estimated, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.5	13	10	9.6	12	23	35	10	7.2	4.3	3.2	e7.5
2	e4.5	7.5	9.9	9.1	13	19	13	8.8	6.6	4.0	3.1	e4.0
3	e5.0	6.1	28	8.6	187	17	67	8.2	6.4	4.0	3.2	e3.6
4	e3.8	5.7	14	8.2	58	15	19	7.8	12	5.9	3.1	3.3
5	e4.2	5.4	10	115	32	94	15	7.3	18	4.0	3.0	3.1
6	e4.0	19	10	30	25	83	13	18	9.9	3.9	20	3.1
7	e4.4	6.7	9.1	487	21	50	12	9.7	7.0	3.7	4.5	2.9
8	e4.8	6.1	8.9	85	18	145	15	7.7	6.5	6.2	26	2.8
9	e3.7	5.8	8.2	40	16	46	15	15	6.2	17	7.2	2.8
10	e4.0	5.5	21	30	15	32	10	69	6.0	5.4	4.8	2.9
11	e4.4	5.3	9.3	25	34	25	9.1	13	5.9	17	5.2	2.6
12	e4.0	8.4	8.4	23	15	22	8.4	11	5.5	8.0	70	2.6
13	e5.0	8.2	8.0	19	14	20	8.0	9.8	7.1	13	6.2	2.4
14	e30	7.3	28	27	13	18	80	9.1	5.5	6.9	5.2	2.3
15	e6.5	6.2	23	70	12	16	16	8.6	6.9	5.7	20	2.1
16	e4.5	5.8	14	45	31	15	13	8.3	7.0	5.1	5.7	1.9
17	e5.0	6.0	12	27	85	14	13	7.8	5.3	4.7	4.2	1.9
18	e5.3	6.6	10	40	26	13	117	7.6	5.1	4.6	3.6	1.8
19	e4.0	6.7	9.3	35	19	15	42	7.4	13	4.3	3.4	1.8
20	e4.8	6.2	8.5	24	16	37	22	7.3	6.7	6.4	3.2	5.4
21	e4.6	51	24	20	14	14	18	7.4	5.4	4.6	2.9	12
22	e5.2	15	16	132	40	12	16	8.1	5.0	4.1	e2.7	2.6
23	e4.8	8.8	24	41	26	12	14	6.8	4.9	3.9	e2.8	2.3
24	e30	8.0	67	27	15	11	12	7.2	4.7	5.0	e2.8	2.2
25	e13	7.4	20	22	14	10	12	7.1	4.7	4.2	e2.9	2.0
26	e45	8.6	16	21	132	9.5	11	7.1	4.5	4.2	e3.0	1.8
27	e12	7.5	30	21	80	9.2	10	6.9	4.5	4.2	e2.8	1.7
28	e8.0	6.2	14	16	29	8.8	9.8	7.3	4.3	4.4	e2.9	4.1
29	e6.5	53	14	15	---	8.7	16	43	4.3	3.7	e3.1	4.7
30	5.8	16	12	14	---	8.3	11	12	4.2	3.5	e3.0	2.3
31	16	---	10	13	---	45	---	7.9	---	3.3	e40	---
TOTAL	270.3	329.0	506.6	1499.5	1012	867.5	672.3	372.2	200.3	179.2	273.7	96.5
MEAN	8.72	11.0	16.3	48.4	36.1	28.0	22.4	12.0	6.68	5.78	8.83	3.22
MAX	45	53	67	487	187	145	117	69	18	17	70	12
MIN	3.7	5.3	8.0	8.2	12	8.3	8.0	6.8	4.2	3.3	2.7	1.7
CFSM	1.19	1.50	2.24	6.63	4.95	3.83	3.07	1.64	.91	.79	1.21	.44
IN.	1.38	1.68	2.58	7.64	5.16	4.42	3.43	1.90	1.02	.91	1.39	.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 1998, BY WATER YEAR (WY)

MEAN	8.72	11.0	16.3	48.4	36.1	28.0	22.4	12.0	6.68	5.78	8.83	3.22
MAX	8.72	11.0	16.3	48.4	36.1	28.0	22.4	12.0	6.68	5.78	8.83	3.22
(WY)	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998
MIN	8.72	11.0	16.3	48.4	36.1	28.0	22.4	12.0	6.68	5.78	8.83	3.22
(WY)	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998

SUMMARY STATISTICS

FOR 1998 WATER YEAR

ANNUAL TOTAL	6279.1	
ANNUAL MEAN	17.2	
HIGHEST DAILY MEAN	487	Jan 7
LOWEST DAILY MEAN	1.7	Sep 27
ANNUAL SEVEN-DAY MINIMUM	2.0	Sep 13
INSTANTANEOUS PEAK FLOW	919	Jan 7
INSTANTANEOUS PEAK STAGE	13.16	Jan 7
ANNUAL RUNOFF (CFSM)	2.36	
ANNUAL RUNOFF (INCHES)	32.00	
10 PERCENT EXCEEDS	34	
50 PERCENT EXCEEDS	8.6	
90 PERCENT EXCEEDS	3.2	

e Estimated

MOBILE RIVER BASIN

02461630 HALLS CREEK AT BESSEMER, AL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	1.3	3.6	10	66	15	27	6.7	5.7	14	4.3	2.5
2	1.9	1.7	3.7	93	39	18	20	6.4	15	11	4.1	2.5
3	3.1	1.6	3.7	30	30	59	17	6.1	5.0	10	4.0	2.5
4	2.0	1.7	3.6	17	27	19	15	8.8	4.8	8.9	3.9	2.4
5	1.9	1.8	3.6	14	22	16	14	6.7	4.5	8.1	3.8	2.5
6	1.7	1.8	3.5	13	19	60	15	99	4.2	7.4	3.7	2.4
7	18	1.9	6.6	14	18	21	12	13	4.1	9.4	3.6	2.4
8	3.0	6.1	32	19	16	17	11	10	4.0	7.3	3.5	6.4
9	2.4	7.2	6.4	41	15	54	18	9.0	3.9	6.3	3.8	2.6
10	2.1	55	16	16	54	20	10	8.1	17	8.1	3.5	2.4
11	2.0	6.4	29	13	21	17	9.2	8.4	20	23	3.3	2.4
12	1.9	4.7	17	12	19	15	8.9	20	20	11	3.4	2.4
13	1.8	5.5	12	11	16	101	8.5	11	16	6.8	3.6	2.3
14	1.7	130	8.8	11	15	61	8.1	8.2	29	6.2	3.1	2.3
15	1.6	19	7.5	9.5	14	30	63	7.4	11	5.8	3.0	2.3
16	1.5	9.7	6.7	8.8	13	23	12	6.9	6.8	57	3.0	2.3
17	1.5	7.6	6.2	8.4	20	20	10	6.5	5.2	13	2.9	2.3
18	1.6	6.6	5.8	14	16	18	9.3	6.5	e4.2	9.1	2.8	2.3
19	1.5	6.2	11	8.5	13	16	8.6	6.1	e3.9	7.8	2.8	2.3
20	1.4	6.1	6.2	7.9	12	19	8.3	5.7	e3.7	13	2.8	2.3
21	1.4	5.5	6.2	7.6	11	19	7.5	5.5	e3.5	6.2	2.7	6.9
22	1.3	5.2	9.9	17	11	14	7.1	8.7	e3.4	6.0	2.6	2.4
23	1.2	5.4	73	199	11	12	6.9	11	e8.0	5.6	2.8	2.3
24	1.3	4.9	84	31	9.8	16	8.2	5.6	e15	5.3	2.7	2.3
25	1.3	4.5	19	24	9.3	35	7.4	5.2	e60	28	2.8	2.3
26	1.3	4.4	14	20	9.1	18	6.3	5.2	23	7.8	2.8	2.2
27	1.2	4.3	16	18	36	14	30	4.8	115	5.8	2.7	2.2
28	1.3	4.2	55	16	31	12	8.8	4.6	174	5.2	2.7	2.2
29	1.2	4.1	17	72	---	11	9.0	4.5	29	6.8	2.6	15
30	1.3	3.8	14	216	---	12	7.3	4.5	18	5.4	2.5	3.0
31	1.3	---	12	161	---	85	---	16	---	4.6	2.5	---
TOTAL	68.7	328.2	513.0	1152.7	593.2	867	403.4	336.1	636.9	329.9	98.3	92.6
MEAN	2.22	10.9	16.5	37.2	21.2	28.0	13.4	10.8	21.2	10.6	3.17	3.09
MAX	18	130	84	216	66	101	63	99	174	57	4.3	15
MIN	1.2	1.3	3.5	7.6	9.1	11	6.3	4.5	3.4	4.6	2.5	2.2
CFM	.30	1.50	2.27	5.09	2.90	3.83	1.84	1.49	2.91	1.46	.43	.42
IN.	.35	1.67	2.61	5.87	3.02	4.42	2.06	1.71	3.25	1.68	.50	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 1999, BY WATER YEAR (WY)

MEAN	5.47	11.0	16.4	42.8	28.7	28.0	17.9	11.4	14.0	8.21	6.00	3.15
MAX	8.72	11.0	16.5	48.4	36.1	28.0	22.4	12.0	21.2	10.6	8.83	3.22
(WY)	1998	1998	1999	1998	1998	1998	1998	1998	1999	1999	1998	1998
MIN	2.22	10.9	16.3	37.2	21.2	28.0	13.4	10.8	6.68	5.78	3.17	3.09
(WY)	1999	1999	1998	1999	1999	1999	1999	1999	1998	1998	1999	1999

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1998 - 1999

ANNUAL TOTAL	6083.1	5420.0	
ANNUAL MEAN	16.7	14.8	16.0
HIGHEST ANNUAL MEAN			17.2
LOWEST ANNUAL MEAN			14.8
HIGHEST DAILY MEAN	487	Jan 30	487
LOWEST DAILY MEAN	1.2	Oct 23, 27, 29	1.2
ANNUAL SEVEN-DAY MINIMUM	1.3	Oct 23	1.3
INSTANTANEOUS PEAK FLOW		502	919
INSTANTANEOUS PEAK STAGE		10.48	13.16
ANNUAL RUNOFF (CFM)	2.28	2.03	2.20
ANNUAL RUNOFF (INCHES)	31.00	27.62	29.83
10 PERCENT EXCEEDS	35	29	30
50 PERCENT EXCEEDS	7.3	7.5	8.1
90 PERCENT EXCEEDS	2.0	2.2	2.5

e Estimated

MOBILE RIVER BASIN

02461640 VALLEY CREEK BELOW BESSEMER, AL

LOCATION.--Lat 33°24'00", long 86°59'32", in NE¹/₄ sec. 7, T. 19 S., R. 4 W., Jefferson County, Hydrologic Unit 03160112, at abandoned bridge crossing 0.2 mi downstream from Halls Creek, 0.7 mi southwest of Bessemer, and at mile 39.75.

DRAINAGE AREA.--61.4 mi².

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 435 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges: Dec. 14 to Jan. 12, and Sept. 2-7. Records good except those of estimated periods, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	31	44	s110	383	92	167	58	127	135	56	47
2	36	34	42	e780	249	93	128	58	371	104	99	e42
3	38	43	40	e280	190	538	110	62	101	83	55	e35
4	49	41	39	e170	168	134	96	53	71	70	53	e40
5	42	31	39	e150	137	115	86	85	74	93	51	e35
6	36	34	39	e130	121	458	91	865	54	115	49	e37
7	159	35	53	e120	106	146	90	110	52	114	49	e40
8	74	91	182	e140	97	121	73	83	49	84	49	79
9	43	120	53	e400	93	422	80	74	66	70	60	44
10	39	432	59	e150	159	152	68	68	43	80	49	40
11	38	72	214	e125	94	119	66	65	48	156	43	36
12	36	47	160	e105	88	111	64	158	154	173	47	37
13	40	46	140	101	81	809	58	115	68	102	43	36
14	41	840	e95	113	77	487	68	74	212	55	40	36
15	35	165	e79	95	76	213	323	63	277	55	41	33
16	36	85	e70	78	74	168	79	61	103	241	43	29
17	34	66	e62	80	220	137	69	58	57	83	42	34
18	40	64	e60	109	151	122	65	61	57	70	45	35
19	35	46	e160	78	99	104	62	62	58	121	40	34
20	42	60	e93	79	93	104	58	64	61	310	44	36
21	34	52	e82	66	74	167	68	49	58	119	43	59
22	36	48	e150	98	69	94	55	54	51	70	44	35
23	32	49	e240	1670	77	85	61	57	65	59	49	30
24	31	48	e1400	221	64	85	61	87	177	58	62	32
25	39	48	e250	165	59	179	70	51	226	93	69	33
26	33	46	e150	133	68	102	59	54	158	66	44	35
27	36	42	e130	127	138	84	353	49	659	57	43	35
28	36	38	e650	109	289	77	97	47	1480	57	43	34
29	32	41	e190	429	---	75	75	45	229	53	42	109
30	31	43	e150	1670	---	76	63	64	223	83	38	37
31	32	---	e130	1040	---	573	---	248	---	52	43	---
TOTAL	1302	2838	5245	9121	3594	6242	2863	3102	5429	3081	1518	1224
MEAN	42.0	94.6	169	294	128	201	95.4	100	181	99.4	49.0	40.8
MAX	159	840	1400	1670	383	809	353	865	1480	310	99	109
MIN	31	31	39	66	59	75	55	45	43	52	38	29
CFSM	.68	1.54	2.76	4.79	2.09	3.28	1.55	1.63	2.95	1.62	.80	.66
IN.	.79	1.72	3.18	5.53	2.18	3.78	1.73	1.88	3.29	1.87	.92	.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 1999, BY WATER YEAR (WY)

	MEAN	65.1	89.0	143	320	202	214	159	97.2	126	94.2	69.8	44.3
MAX	88.3	94.6	169	346	276	227	223	100	181	99.4	90.6	47.8	
(WY)	1998	1999	1999	1998	1998	1998	1998	1999	1999	1999	1998	1998	1998
MIN	42.0	83.4	118	294	128	201	95.4	94.4	72.0	88.9	49.0	40.8	
(WY)	1999	1998	1998	1999	1999	1999	1999	1998	1998	1998	1999	1999	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1998 - 1999
ANNUAL TOTAL	53678	45559	
ANNUAL MEAN	147	125	135
HIGHEST ANNUAL MEAN			146
LOWEST ANNUAL MEAN			125
HIGHEST DAILY MEAN	4070	1670	4070
LOWEST DAILY MEAN	31	29	29
ANNUAL SEVEN-DAY MINIMUM	33	33	33
INSTANTANEOUS PEAK FLOW		4940	7600
INSTANTANEOUS PEAK STAGE		10.72	13.24
ANNUAL RUNOFF (CFSM)	2.40	2.03	2.20
ANNUAL RUNOFF (INCHES)	32.52	27.60	29.93
10 PERCENT EXCEEDS	259	220	236
50 PERCENT EXCEEDS	71	69	71
90 PERCENT EXCEEDS	39	36	40

e Estimated

MOBILE RIVER BASIN

02462000 VALLEY CREEK NEAR OAK GROVE, AL

LOCATION.--Lat 33°26'50", long 87°07'20", in NW 1/4 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 sea level (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.

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	96	107	306	1640	450	872	156	344	375	109	90
2	80	98	103	808	952	374	607	151	170	295	163	89
3	72	104	101	1200	740	1230	494	144	406	261	120	82
4	87	111	97	583	599	662	414	152	167	205	108	79
5	87	107	96	456	491	506	352	171	129	186	105	80
6	80	96	96	371	415	981	311	1050	136	253	103	78
7	99	100	97	355	359	662	295	406	115	199	101	95
8	263	108	177	363	325	517	256	278	109	248	97	89
9	101	252	279	748	304	891	248	226	110	179	105	144
10	88	213	132	611	451	626	234	195	110	165	116	92
11	81	553	227	463	356	497	213	182	98	244	98	85
12	79	150	414	377	309	430	199	220	156	345	96	83
13	81	119	322	336	276	583	192	347	199	215	105	82
14	81	954	252	315	249	2510	186	215	115	164	93	81
15	83	619	205	337	232	910	596	178	406	158	88	81
16	78	277	170	267	234	711	317	163	319	272	87	77
17	81	216	156	251	407	591	232	157	167	336	92	78
18	77	173	141	286	706	508	207	153	132	153	92	83
19	80	152	165	251	443	444	193	191	119	225	88	80
20	77	122	204	226	371	378	172	155	117	149	89	79
21	89	142	148	211	314	501	178	153	114	417	85	110
22	78	121	195	270	271	367	157	138	103	161	86	97
23	84	117	266	3660	262	324	151	147	114	135	87	77
24	78	117	2060	945	240	292	150	175	255	133	93	84
25	85	115	703	662	222	452	174	136	192	143	114	79
26	86	113	452	504	218	487	153	131	453	164	101	85
27	86	108	352	430	222	357	361	132	1030	133	88	84
28	90	104	862	370	798	317	315	123	2100	131	84	83
29	91	102	654	384	---	289	190	118	710	116	84	150
30	84	104	444	4010	---	273	179	135	514	151	82	144
31	92	---	365	4380	---	948	---	216	---	119	77	---
TOTAL	2783	5763	10042	24736	12406	19068	8598	6494	9209	6430	3036	2720
MEAN	89.8	192	324	798	443	615	287	209	307	207	97.9	90.7
MAX	263	954	2060	4380	1640	2510	872	1050	2100	417	163	150
MIN	72	96	96	211	218	273	150	118	98	116	77	77
CFSM	.61	1.30	2.19	5.39	2.99	4.16	1.94	1.42	2.07	1.40	.66	.61
IN.	.70	1.45	2.52	6.22	3.12	4.79	2.16	1.63	2.31	1.62	.76	.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1999, BY WATER YEAR (WY)

MEAN	155	241	387	496	592	572	480	283	206	205	142	153
MAX	442	539	2289	931	1239	1440	1580	829	616	631	232	415
(WY)	1996	1958	1984	1990	1983	1980	1979	1983	1989	1989	1982	1979
MIN	75.5	79.0	127	111	206	234	99.2	97.6	83.4	94.2	84.7	72.9
(WY)	1979	1982	1981	1981	1986	1985	1986	1992	1988	1995	1980	1990

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1954 - 1999
ANNUAL TOTAL	123943	111285	
ANNUAL MEAN	340	305	324
HIGHEST ANNUAL MEAN			459
LOWEST ANNUAL MEAN			144
HIGHEST DAILY MEAN	5710	4380	19100
LOWEST DAILY MEAN	72	72	34
ANNUAL SEVEN-DAY MINIMUM	77	80	43
INSTANTANEOUS PEAK FLOW		6480	32000
INSTANTANEOUS PEAK STAGE		16.18	33.98
ANNUAL RUNOFF (CFSM)	2.29	2.06	2.19
ANNUAL RUNOFF (INCHES)	31.15	27.97	29.77
10 PERCENT EXCEEDS	706	602	612
50 PERCENT EXCEEDS	172	173	178
90 PERCENT EXCEEDS	84	84	87

02462500 BLACK WARRIOR RIVER AT BANKHEAD LOCK AND DAM NEAR BESSEMER, AL

LOCATION.--Lat 33°27'30", long 87°21'15", in SE 1/4 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.--3,981 mi².

PERIOD OF RECORD.--October 1928 to September 1936, October 1976 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to October 1, 1998, gage datum was 173.50 ft lower.

COOPERATION.--Records were provided by Alabama Power Company.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2170	118	1530	4660	49900	10900	8990	2110	2680	14600	2220	1240
2	1600	282	2180	6400	33100	8620	9600	4970	4080	7920	1110	1330
3	0	743	177	21400	28200	17800	9430	339	4430	6390	2260	2250
4	177	177	594	11400	19600	16700	8400	177	2810	2700	2350	236
5	1430	177	354	10100	14200	10800	10100	0	2580	2990	2410	177
6	1550	857	118	7720	12900	13700	9550	18700	2250	3250	1840	2130
7	1540	118	118	5240	11300	12100	9080	23400	3750	3790	59	1210
8	1070	1120	177	5910	10700	12800	9810	10800	4180	4740	295	1860
9	295	118	0	8710	8750	13600	9560	9460	3380	3290	1530	1310
10	118	295	354	8950	8860	12200	8580	9270	2660	413	1810	2060
11	236	177	59	9510	9910	10300	7070	9630	2170	4020	1880	118
12	177	59	1010	7870	10200	12000	6240	8140	1670	5200	1600	177
13	177	177	2600	5830	8200	13600	4910	3630	816	3980	2200	1140
14	177	1980	2600	7130	9030	33500	4490	6150	2660	3450	607	1200
15	989	2160	904	11200	9050	23300	4380	4760	2160	3250	0	1650
16	295	2090	1410	11200	9100	12700	5820	2790	2420	2640	1290	1710
17	2600	2460	59	8630	10700	11200	2090	372	3690	3200	922	1630
18	2620	118	1020	8950	13300	11200	3800	0	2980	1430	1670	236
19	314	176	177	8120	12200	13700	3980	0	1760	1210	1730	236
20	59	559	177	9220	10500	10300	2250	0	0	2660	1490	1850
21	118	236	619	9690	9600	11100	2120	3560	2530	2870	295	863
22	236	59	2550	10300	9440	10800	2830	2200	1620	2590	177	1290
23	118	445	2560	62400	9760	9270	4010	0	2590	2560	1840	1540
24	118	880	26900	54800	9350	9990	3070	2120	2210	1240	1930	1340
25	236	177	20700	33500	8930	9140	413	1500	2040	1160	2110	1420
26	118	177	10000	21700	9800	8740	3320	162	5340	2370	1960	354
27	177	236	3870	18400	9070	4180	3660	1540	4720	2980	1910	2720
28	295	177	13300	12600	10600	3430	7560	2210	18600	2360	236	1370
29	177	118	17000	13400	---	4520	5960	0	36900	2940	177	1760
30	1130	1340	10100	36000	---	2440	5270	0	24300	2420	1870	354
31	236	---	8660	67900	---	7240	---	845	---	2310	1400	---
TOTAL	20553	17806	131877	518840	376250	361870	176343	128835	153976	106923	43178	36761
MEAN	663	594	4254	16740	13440	11670	5878	4156	5133	3449	1393	1225
MAX	2620	2460	26900	67900	49900	33500	10100	23400	36900	14600	2410	2720
MIN	0	59	0	4660	8200	2440	413	0	0	413	0	118
CFSM	.17	.15	1.07	4.20	3.38	2.93	1.48	1.04	1.29	.87	.35	.31
IN.	.19	.17	1.23	4.85	3.52	3.38	1.65	1.20	1.44	1.00	.40	.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1999, BY WATER YEAR (WY)

MEAN	2538	4646	7768	11780	12590	14080	10200	6004	3330	2995	1945	1857
MAX	11990	32560	32480	24030	35550	38030	29230	23190	21670	13400	4557	5646
(WY)	1933	1930	1933	1998	1990	1929	1979	1991	1997	1989	1985	1979
MIN	19.7	95.7	963	2688	3413	2677	841	568	182	410	404	65.4
(WY)	1932	1932	1929	1986	1934	1988	1986	1992	1936	1931	1929	1931

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1929 - 1999

ANNUAL TOTAL	2786898	2073212	6617
ANNUAL MEAN	7635	5680	10210
HIGHEST ANNUAL MEAN			1980
LOWEST ANNUAL MEAN			2555
HIGHEST DAILY MEAN	95900	67900	143000
LOWEST DAILY MEAN	0	0	0
ANNUAL SEVEN-DAY MINIMUM	143	143	0
INSTANTANEOUS PEAK STAGE		255.12	255.60
ANNUAL RUNOFF (CFSM)	1.92	1.43	1.66
ANNUAL RUNOFF (INCHES)	26.04	19.37	22.58
10 PERCENT EXCEEDS	20500	12600	15000
50 PERCENT EXCEEDS	2620	2550	3040
90 PERCENT EXCEEDS	177	177	300

* Some undetermined amounts of leakage may have occurred during periods reported as no flow.

MOBILE RIVER BASIN

02462501 BLACK WARRIOR RIVER BELOW BANKHEAD LOCK AND DAM NEAR BESSEMER, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 33°27'25", long 87°21'18", in SE $\frac{1}{4}$ 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.

WATER-STAGE RECORDS

PERIOD OF RECORD.--December 1911 to current year (elevation 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.

REVISED RECORDS.--WDR AL-85-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is sea level. 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 elevation, 194.00 ft, July 9, 1916; minimum, 179.60 ft, Oct. 15 to Nov. 1, 1920.

EXTREMES (0700) FOR CURRENT YEAR.--Maximum elevation, 188.28 ft, Mar. 9; minimum, 184.59 ft, July 10.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY OBSERVATION AT 07:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186.02	186.17	186.50	187.00	187.60	186.20	186.90	186.36	186.28	186.67	186.40	186.30
2	186.14	186.37	186.10	186.10	186.90	186.24	186.30	186.15	186.10	185.88	186.22	185.94
3	186.47	186.37	186.40	186.40	187.00	186.92	186.56	186.91	186.31	186.47	186.10	186.34
4	186.36	186.22	186.30	186.90	186.60	186.47	186.23	186.73	186.35	186.46	186.51	186.21
5	186.51	186.27	186.10	186.60	187.10	186.44	186.55	186.17	186.44	186.53	186.69	186.56
6	186.53	186.29	186.70	186.60	187.10	186.95	186.81	185.76	186.09	186.06	186.20	186.53
7	186.18	186.17	186.60	186.20	187.20	186.51	186.12	186.86	186.42	186.33	186.22	186.32
8	186.64	186.26	186.40	186.70	187.00	186.59	186.99	187.06	186.28	186.07	186.38	186.19
9	186.73	186.27	186.30	186.10	186.80	186.50	186.97	186.59	186.52	186.12	186.75	186.08
10	186.63	185.92	186.20	186.90	186.40	186.37	186.25	186.29	186.35	186.56	186.58	186.36
11	186.60	186.43	186.40	186.60	186.20	186.54	186.45	186.00	186.17	186.39	186.24	186.41
12	186.69	186.61	186.30	186.43	186.90	186.97	186.38	186.23	186.27	186.39	186.36	186.42
13	186.19	186.78	186.40	186.39	186.50	186.61	186.14	186.18	186.46	186.45	186.05	186.54
14	186.38	186.92	186.20	186.52	186.20	186.12	186.16	186.25	186.59	186.30	185.58	186.10
15	186.44	186.54	186.20	187.03	186.30	186.48	186.03	186.32	186.47	186.41	186.32	186.20
16	186.71	186.73	186.60	186.76	186.60	186.57	186.51	186.24	185.96	186.40	186.16	186.00
17	186.60	186.73	186.60	186.70	186.50	186.50	186.48	186.24	185.99	186.40	186.44	186.26
18	186.43	186.87	186.40	186.70	186.70	186.44	186.31	186.29	186.16	186.38	186.43	186.19
19	186.73	186.87	186.20	186.50	186.50	186.89	186.18	186.38	186.30	186.18	186.33	186.39
20	186.49	187.10	186.40	186.40	186.60	186.51	185.95	186.53	186.28	186.47	186.15	186.55
21	185.93	185.97	186.40	186.50	186.70	186.86	186.39	186.73	186.26	186.13	186.00	186.34
22	186.17	186.30	186.60	186.30	186.70	186.91	186.39	186.57	186.72	185.90	186.31	185.98
23	186.17	186.57	186.40	186.60	186.40	185.96	186.30	186.36	186.06	186.03	186.38	186.06
24	186.13	186.44	186.50	187.40	186.30	186.20	186.36	186.59	186.30	186.54	186.28	186.38
25	185.97	186.34	186.50	187.20	186.40	186.14	186.06	186.09	186.26	186.64	186.23	186.40
26	186.23	186.31	187.00	187.00	186.20	186.48	186.38	186.02	186.18	186.57	186.38	186.21
27	186.27	186.31	187.10	186.30	186.40	186.12	186.30	186.92	186.14	185.99	186.27	186.57
28	186.02	186.35	186.50	186.30	186.60	186.26	185.94	186.03	186.58	186.30	186.22	186.22
29	186.13	186.39	186.90	186.30	---	186.03	186.63	186.27	186.82	186.34	186.28	186.35
30	186.18	186.71	186.50	187.10	---	185.75	186.46	186.47	186.48	186.45	186.56	186.40
31	186.12	---	186.70	187.60	---	186.15	---	186.40	---	186.67	186.56	---
MEAN	186.35	186.45	186.46	186.65	186.66	186.44	186.38	186.39	186.32	186.34	186.31	186.29
MAX	186.73	187.10	187.10	187.60	187.60	186.97	186.99	187.06	186.82	186.67	186.75	186.57
MIN	185.93	185.92	186.10	186.10	186.20	185.75	185.94	185.76	185.96	185.88	185.58	185.94
CAL YR 1998	MEAN 186.44		MAX 188.30		MIN 185.56							
WTR YR 1999	MEAN 186.42		MAX 187.60		MIN 185.58							

MOBILE RIVER BASIN

02462501 BLACK WARRIOR RIVER BELOW BANKHEAD LOCK AND DAM NEAR BESSEMER, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 28...	5.7	1.2	34	520	2	<1	.2	.27	62	52	14
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 28...	25	1	14	<1	<1	3.3	35	24	44	.40	5600
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 28...	.10	3	29	30	9	.092	1.3	11	1.3	.5	.18
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
AUG 28...	55	.21	<1	10	3	3.7	91	19	2	110	
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
AUG 28...	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00
DATE	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
AUG 28...	<1.00	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 28...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

MOBILE RIVER BASIN

02462501 BLACK WARRIOR RIVER BELOW BANKHEAD LOCK AND DAM NEAR BESSEMER, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	GAGE HEIGHT (FEET) (00065)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
JAN 28...	1250	--	14.0	762	9.9	96	6.9	7.5	115	121	74
FEB 24...	1145	186.70	11.7	760	10.1	93	7.6	7.6	223	202	131
MAR 10...	1215	186.41	13.0	760	9.4	89	7.7	7.6	232	234	138
APR 14...	1200	186.59	19.8	754	8.7	96	8.0	7.5	208	206	125
MAY 12...	1125	186.21	22.2	759	6.0	69	7.8	7.6	264	263	159
JUN 09...	1300	186.25	26.1	762	7.2	89	7.6	7.3	202	199	111
JUL 01...	1240	186.71	25.5	762	5.3	65	7.3	7.5	184	178	121
AUG 04...	1130	186.44	30.2	760	5.9	79	7.7	7.8	256	246	151
SEP 01...	1145	186.39	29.1	764	5.7	74	7.0	7.7	230	223	127
DATE	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	
JAN 28...	24	19	1.7	1.5	.44	.20	.138	.018	1.11	.34	
FEB 24...	45	37	1.3	1.3	.18	.15	.031	.010	1.11	.18	
MAR 10...	54	44	1.1	1.1	.17	.13	.035	<.010	--	.17	
APR 14...	41	34	.90	.72	.23	.05	.064	<.010	--	.11	
MAY 12...	60	49	1.2	1.0	.26	.14	.100	.022	.773	.24	
JUN 09...	46	38	.79	.61	--	--	<.020	<.010	--	.17	
JUL 01...	46	38	.93	.82	.36	.25	.061	.030	.476	.31	
AUG 04...	63	51	.76	.49	--	--	<.020	.012	.345	.13	
SEP 01...	60	49	.45	.35	.28	.17	.059	<.010	--	.23	
DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	
JAN 28...	.57	1.13	--	.137	.020	<.010	3.7	.80	8.8	4.3	
FEB 24...	.21	1.12	--	.028	.011	<.010	--	--	16	8.7	
MAR 10...	.21	.899	.05	.038	.016	.017	1.9	.30	16	8.8	
APR 14...	.29	.610	--	.025	.004	<.010	1.9	.80	15	8.2	
MAY 12...	.36	.795	.09	.038	.018	.030	2.6	.60	18	10	
JUN 09...	.34	.443	--	.018	<.004	<.010	2.6	.80	14	7.1	
JUL 01...	.43	.506	.06	.066	.018	.018	3.4	.70	15	6.6	
AUG 04...	.40	.357	--	.020	<.004	<.010	2.7	.60	17	8.9	
SEP 01...	.33	.119	--	.017	<.004	<.010	2.5	.60	15	7.8	

MOBILE RIVER BASIN

02462501 BLACK WARRIOR RIVER BELOW BANKHEAD LOCK AND DAM NEAR BESSEMER, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
JAN 28...	4.2	.3	17	2.4	3.0	24	<.10	4.9	33	55
FEB 24...	9.5	.5	21	2.1	4.7	51	<.10	5.3	13	86
MAR 10...	12	.6	26	2.0	3.8	54	.11	6.0	21	65
APR 14...	11	.6	25	2.0	3.7	45	<.10	4.0	<10	<3.0
MAY 12...	15	.7	27	2.5	5.2	57	.10	4.4	13	6.3
JUN 09...	12	.6	27	2.3	4.6	40	.12	3.4	<10	4.7
JUL 01...	7.6	.4	20	2.6	4.3	33	.22	4.7	11	48
AUG 04...	17	.8	30	2.7	5.7	53	<.10	4.9	<10	<3.0
SEP 01...	15	.8	31	2.6	6.2	41	<.10	3.8	<10	<3.0

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)
FEB 24...	<.0070	<.0020	.0155	<.0180	E.0035	<.0040	<.0030	<.0020	<.0060	<.0040	<.004	<.001
APR 14...	<.0070	<.0020	.0296	E.0045	E.0061	<.0040	<.0030	<.0020	<.0060	<.0040	<.004	<.001
MAY 12...	<.0070	<.0020	.0254	E.0079	E.0087	<.0040	<.0030	<.0020	E.0041	<.0040	<.004	<.001
DATE	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
FEB 24...	.004	<.005	<.004	<.002	.042	<.002	<.0020	<.004	<.0030	<.0020	<.0040	<.0020
APR 14...	.005	<.005	<.004	<.002	.052	<.002	<.0020	<.004	<.0030	<.0020	<.0040	<.0020
MAY 12...	.022	<.005	<.004	.011	.152	<.002	<.0020	<.004	<.0030	E.0032	<.0040	<.0020
DATE	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
FEB 24...	<.0070	<.0020	<.0060	<.0020	<.0040	E.0099	<.0040	<.0030	<.0020	<.0030	<.0130	E.0026
APR 14...	<.0070	<.0020	<.0060	<.0020	<.0040	.0130	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030
MAY 12...	<.0070	<.0020	<.0060	<.0020	<.0040	.0157	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030

MOBILE RIVER BASIN

02462501 BLACK WARRIOR RIVER BELOW BANKHEAD LOCK AND DAM NEAR BESSEMER, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
FEB 24...	<.0170	<.0010	<.0040	E.0073	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
APR 14...	<.0170	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
MAY 12...	<.0170	<.0010	<.0040	E.0080	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050

SUSPENDED SEDIMENT DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 28...	1250	63	99
FEB 24...	1145	4	93
MAR 10...	1215	7	94
APR 14...	1200	3	88
MAY 12...	1125	5	86
JUN 09...	1300	2	78
JUL 01...	1240	15	94

MOBILE RIVER BASIN

02462951 BLACK WARRIOR RIVER AT HOLT LOCK AND DAM NEAR HOLT, AL

LOCATION.--Lat 33°15'11", long 87°26'57", in NW¹/₄ 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 sea level (levels by the U.S. Army Corps of Engineers).

COOPERATION.--Records were provided by Alabama Power Company.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2030	150	1580	5280	57300	10800	10400	2150	3470	14800	2900	1670
2	1310	90	2100	6280	35900	9360	9970	3880	4400	9030	1570	1060
3	50	893	200	26400	27500	22200	9230	263	4410	6730	1910	1920
4	50	0	200	13200	19700	18500	8830	1430	2900	3160	2280	67
5	1490	100	564	9560	14700	11600	9110	50	3200	3970	2700	0
6	2180	942	212	8940	13900	14500	9520	18800	2420	3070	1880	2570
7	2110	100	537	6030	13400	13400	8800	26700	4140	4200	50	1340
8	2430	1380	150	6310	11100	14400	8810	11800	4110	5610	50	1910
9	200	414	430	9620	9120	14700	9090	9240	3400	3090	1860	1090
10	200	150	200	9200	8810	13800	8880	9310	2880	3000	2160	2150
11	100	100	50	11100	9450	9720	7020	9390	2340	2390	1920	150
12	1100	0	1030	8800	10100	13700	6860	8700	2060	5890	1760	200
13	100	50	2830	6260	9250	15300	5070	4130	1140	4290	2930	1710
14	0	5410	2470	6830	9020	39600	4480	5960	2960	3430	744	1320
15	790	4760	914	12400	8910	33900	4620	5500	3350	3360	100	1890
16	150	4130	1810	11200	8990	15000	5460	3230	2610	3160	1740	1880
17	2540	4380	2	9740	12400	11800	2470	657	3080	3670	780	1430
18	2300	2540	724	9250	19800	11800	4160	200	3150	1690	2620	0
19	390	1090	0	7590	14600	14300	3860	150	1920	1190	2110	0
20	772	2100	0	9410	10900	11800	2190	50	250	3400	1590	2270
21	154	50	1050	9400	9370	12000	2130	4260	2360	2600	100	1090
22	150	100	2760	9820	9270	11000	2700	2750	2600	2680	150	1520
23	0	150	2620	71900	9470	9260	4070	1350	3370	2290	1990	894
24	0	1240	34000	62800	9310	9220	3400	2750	2440	982	2650	1430
25	0	0	21800	36900	8860	9260	200	1580	2800	1620	1890	1660
26	0	150	11200	27000	8670	8980	3730	464	5320	3240	1750	50
27	250	150	5380	24000	8820	4790	3700	2100	4840	2580	2010	3080
28	150	50	14700	14500	13700	3660	6610	2520	20400	2570	0	1650
29	150	150	18600	14800	---	4740	6100	100	45600	2990	0	1940
30	972	1680	10400	52200	---	2650	5260	921	27100	2560	1880	50
31	100	---	9200	75900	---	6760	---	1400	---	2990	1500	---
TOTAL	22218	32499	147713	592620	402320	402500	176730	141785	175020	116232	47574	37991
MEAN	717	1083	4765	19120	14370	12980	5891	4574	5834	3749	1535	1266
MAX	2540	5410	34000	75900	57300	39600	10400	26700	45600	14800	2930	3080
MIN	0	0	0	5280	8670	2650	200	50	250	982	0	0
CFSM	.17	.26	1.13	4.53	3.41	3.08	1.40	1.08	1.38	.89	.36	.30
IN.	.20	.29	1.30	5.23	3.55	3.55	1.56	1.25	1.54	1.02	.42	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1999, BY WATER YEAR (WY)

	MEAN	2597	4444	8242	13750	14460	15810	11970	6838	4504	3766	2339	2369
MAX	12840	12900	27650	26030	46480	38490	32050	31300	24760	17140	4800	5703	
(WY)	1978	1978	1984	1998	1990	1980	1979	1991	1997	1989	1985	1979	
MIN	247	484	2203	2181	5102	3060	952	888	1249	1267	1390	1092	
(WY)	1988	1982	1988	1981	1986	1988	1986	1992	1988	1988	1988	1984	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1977 - 1999
ANNUAL TOTAL	3052361	2295202	
ANNUAL MEAN	8363	6288	7557
HIGHEST ANNUAL MEAN			11270
LOWEST ANNUAL MEAN			2879
HIGHEST DAILY MEAN	101000	75900	178000
LOWEST DAILY MEAN	0	0	* 0
ANNUAL SEVEN-DAY MINIMUM	79	79	41
INSTANTANEOUS PEAK STAGE		187.26	190.19
ANNUAL RUNOFF (CFSM)	1.98	1.49	1.79
ANNUAL RUNOFF (INCHES)	26.91	20.24	24.34
10 PERCENT EXCEEDS	22200	14300	17300
50 PERCENT EXCEEDS	2760	2800	3590
90 PERCENT EXCEEDS	100	100	350

* Some undetermined amounts of leakage may have occurred during periods reported as no flow.

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 NW¹/₄ 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.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

EXTREMES (0700) FOR PERIOD OF RECORD.--Maximum elevation, 156.87 ft, Dec. 3, 1983; minimum elevation, 121.0 ft, July 13, 1974.

EXTREMES (0700) FOR CURRENT YEAR.--Maximum elevation, 136.09 ft, Jan. 23; minimum elevation, 123.06 ft, Nov. 2, Aug. 29.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY OBSERVATION AT 07:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123.16	123.22	123.38	125.55	134.12	125.81	125.21	123.34	123.19	127.22	123.26	123.21
2	123.20	123.06	123.39	123.53	130.32	125.66	125.82	123.46	123.23	125.43	123.16	123.15
3	123.27	123.30	123.33	129.28	127.82	126.70	125.59	123.37	123.60	124.26	123.33	123.18
4	123.36	123.24	123.26	125.86	127.06	127.35	125.60	123.22	123.43	123.40	123.33	123.20
5	123.25	123.26	123.37	125.71	126.71	126.22	125.50	123.22	123.22	123.35	123.33	123.14
6	123.27	123.26	123.16	125.63	127.30	126.09	125.68	125.36	123.31	123.32	123.20	123.30
7	123.29	123.27	123.44	125.12	127.27	126.19	125.46	128.14	123.23	123.29	123.16	123.33
8	124.28	123.14	123.28	124.30	126.24	125.97	125.50	125.80	123.23	124.06	123.12	123.18
9	123.46	123.64	123.21	125.75	125.58	126.50	125.68	125.58	123.29	123.29	123.18	123.22
10	123.34	123.14	123.26	125.67	125.57	127.49	125.44	125.50	123.54	123.33	123.26	123.31
11	123.21	123.48	123.34	126.12	125.55	125.71	123.65	125.65	123.23	123.31	123.29	123.16
12	123.22	123.10	123.38	125.54	125.71	125.87	124.22	125.34	123.28	124.33	123.17	123.14
13	123.22	123.17	123.50	125.00	125.55	125.64	123.57	123.35	123.17	123.35	123.22	123.18
14	123.38	123.45	124.42	124.30	125.46	130.13	123.39	123.49	123.21	123.39	123.41	123.33
15	123.18	125.53	123.78	125.68	125.41	128.10	125.34	123.41	123.33	123.27	123.17	123.20
16	123.38	123.98	124.10	125.63	125.58	125.96	123.76	123.31	123.48	123.14	123.17	123.34
17	123.22	123.43	123.39	125.65	125.49	125.75	123.49	124.60	123.24	123.34	123.17	123.22
18	123.30	123.38	123.90	125.66	125.63	125.79	123.41	123.38	123.39	123.34	123.30	123.19
19	123.22	123.28	123.39	125.34	125.83	126.78	123.86	123.17	123.20	123.27	123.20	123.10
20	123.26	123.30	123.30	125.55	125.82	125.97	124.51	123.12	123.11	123.24	123.28	123.21
21	123.44	123.23	123.33	125.58	125.54	125.87	123.57	123.10	123.14	123.24	123.21	123.35
22	123.21	123.23	123.97	125.54	125.51	125.81	123.29	123.29	123.40	123.35	123.11	123.24
23	123.25	123.19	124.10	136.09	125.52	125.55	123.29	123.19	123.13	123.21	123.24	123.22
24	123.19	123.24	127.20	134.21	125.52	125.71	123.34	123.18	123.59	123.09	123.16	123.21
25	123.17	123.29	127.86	130.07	125.38	125.59	123.27	123.21	123.53	123.44	123.27	123.23
26	123.20	123.21	126.77	129.25	125.37	125.81	123.30	123.24	124.25	123.21	123.40	123.19
27	123.24	123.18	123.86	126.66	125.39	124.13	123.27	123.14	123.73	123.28	123.19	123.09
28	123.23	123.19	125.34	125.89	125.72	123.49	124.08	123.31	125.24	123.22	123.26	123.24
29	123.07	123.20	127.83	125.61	---	124.31	125.42	123.25	130.96	123.27	123.06	123.44
30	123.20	123.18	126.16	130.47	---	124.36	123.38	123.26	128.38	123.24	123.09	123.55
31	123.43	---	125.71	135.28	---	124.26	---	123.35	---	123.35	123.21	---
MEAN	123.29	123.36	124.25	126.95	126.36	125.95	124.36	123.91	123.84	123.58	123.22	123.24
MAX	124.28	125.53	127.86	136.09	134.12	130.13	125.82	128.14	130.96	127.22	123.41	123.55
MIN	123.07	123.06	123.16	123.53	125.37	123.49	123.27	123.10	123.11	123.09	123.06	123.09
CAL YR 1998	MEAN 124.74		MAX 142.67		MIN 123.04							
WTR YR 1999	MEAN 124.35		MAX 136.09		MIN 123.06							

02464000 NORTH RIVER NEAR SAMANTHA, AL

LOCATION.--Lat 33°28'45", long 87°35'50", in SW¹/₄ sec. 16, T. 18 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, on left bank a 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 sea level. Prior to Jan. 25, 1939, nonrecording gage 40 ft downstream at same datum.

REMARKS.--Estimated daily discharges: Oct. 1, 2, Sept. 1-4, 16-21. Water-discharge 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.0	8.7	23	288	4570	674	488	230	123	158	13	e3.0
2	e6.4	10	23	568	1690	464	390	183	132	130	11	e2.9
3	7.2	14	22	1740	1030	1550	321	157	112	103	10	e2.8
4	7.9	16	22	695	713	1220	291	141	63	84	9.8	e2.7
5	6.7	14	22	417	538	669	287	141	48	74	10	3.0
6	6.4	15	22	308	458	749	253	1270	40	67	9.1	4.0
7	94	14	22	270	419	835	356	1410	35	62	7.1	4.7
8	137	17	31	309	386	590	290	454	38	198	6.7	4.1
9	61	41	36	1000	326	970	245	299	33	193	8.7	3.4
10	31	58	38	1020	313	984	214	227	30	111	26	3.0
11	22	151	49	548	298	632	187	188	27	88	26	3.1
12	16	78	185	390	276	486	156	167	26	95	14	3.7
13	14	41	252	311	247	579	135	161	27	92	9.7	3.6
14	12	74	224	325	221	2330	131	146	27	77	7.5	3.3
15	12	140	136	740	208	1410	376	129	44	67	7.0	3.0
16	11	99	98	545	201	784	558	116	40	97	6.7	e2.7
17	11	67	81	405	210	566	294	108	32	109	6.7	e2.5
18	10	47	68	463	289	452	220	96	25	64	6.2	e2.4
19	10	38	65	433	274	377	183	88	20	56	5.4	e2.3
20	10	34	83	343	242	324	162	77	17	50	4.8	e2.2
21	9.6	32	81	293	214	364	147	69	14	43	4.6	e2.1
22	9.6	31	125	292	197	323	134	64	12	38	5.0	2.6
23	9.6	30	330	5330	187	275	123	67	12	33	5.4	2.8
24	9.6	29	2680	3560	181	252	119	67	693	31	4.9	2.9
25	9.6	28	1630	1040	173	249	145	68	1040	33	6.3	2.8
26	9.6	27	594	627	170	233	153	52	770	55	6.0	2.8
27	9.3	27	440	468	197	202	162	46	1670	34	5.3	3.1
28	8.7	27	1860	379	1200	185	458	43	549	27	5.2	3.2
29	9.1	25	2060	449	---	175	281	38	281	22	4.9	5.4
30	10	24	649	3350	---	166	249	52	193	19	3.8	5.0
31	9.6	---	388	7270	---	258	---	60	---	16	3.2	---
TOTAL	596.9	1256.7	12339	34176	15428	19327	7508	6414	6173	2326	260.0	95.1
MEAN	19.3	41.9	398	1102	551	623	250	207	206	75.0	8.39	3.17
MAX	137	151	2680	7270	4570	2330	558	1410	1670	198	26	5.4
MIN	6.4	8.7	22	270	170	166	119	38	12	16	3.2	2.1
CFSM	.09	.19	1.78	4.94	2.47	2.80	1.12	.93	.92	.34	.04	.01
IN.	.10	.21	2.06	5.70	2.57	3.22	1.25	1.07	1.03	.39	.04	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

	MEAN	77.0	190	432	776	861	907	646	324	151	126	66.9	70.1
MAX	789	1085	2213	1667	2071	2450	2129	1718	823	1033	411	663	
(WY)	1976	1949	1984	1974	1990	1980	1979	1991	1989	1940	1975	1979	
MIN	2.36	8.72	24.8	82.0	240	134	63.9	41.8	10.0	4.23	3.27	.34	
(WY)	1988	1954	1944	1944	1978	1988	1986	1941	1941	1954	1988	1954	

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1939 - 1999

ANNUAL TOTAL	140870.6	105899.7	
ANNUAL MEAN	386	290	
HIGHEST ANNUAL MEAN			382
LOWEST ANNUAL MEAN			684
HIGHEST DAILY MEAN	9420	7270	109
LOWEST DAILY MEAN	6.1	2.1	22600
ANNUAL SEVEN-DAY MINIMUM	6.8	2.4	.10
INSTANTANEOUS PEAK FLOW		8450	.14
INSTANTANEOUS PEAK STAGE		17.48	25500
ANNUAL RUNOFF (CFSM)	1.73	1.30	35.08
ANNUAL RUNOFF (INCHES)	23.50	17.67	1.71
10 PERCENT EXCEEDS	993	657	23.30
50 PERCENT EXCEEDS	76	81	895
90 PERCENT EXCEEDS	10	5.1	115

e Estimated

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 September 1999 (discontinued).

pH: October 1982 to October 1986.

WATER TEMPERATURES: October 1980 to September 1981, October 1982 to September 1999 (discontinued).

DISSOLVED OXYGEN: October 1982 to October 1986.

INSTRUMENTATION.--Water-quality monitor October 1980 to September 1981 and October 1982 to September 1999 (discontinued).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, >2,000 microSiemens, Aug. 27-29, 1995; minimum, 10 microSiemens, Mar. 13, 1986.

pH: Maximum, 7.8 units, Apr. 3, 1985; minimum, 4.7 units Dec. 1, 1982.

WATER TEMPERATURES: Maximum, 35.0°C, Aug. 1, 1986; 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, Aug. 26, 1986.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,730 microSiemens, Sept. 28; minimum, 56 microSiemens, May 7.

WATER TEMPERATURES: Maximum, 31.9°C, July 31; minimum, 2.7°C, Jan. 6, 7.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 02...	1140	23.6	28.2	--	95	2.16	372	382	7.3	--
AUG 03...	1215	29.1	32.2	760	10	1.40	377	371	5.8	76
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	COLI- FORM, FECAL, 0.7 UM-MF (COLS/ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00600)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
JUN 02...	7.4	7.5	0	45	36	110	56	--	--	.040
AUG 03...	7.6	7.8	0	81	66	53	K30	.38	.28	.040
DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)
JUN 02...	<.010	<.20	.280	.05	--	<.020	<.010	3.1	55	18
AUG 03...	<.010	.32	.060	.05	1.7	<.020	<.010	2.7	35	--
DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	AD- SORP- TION RATIO (00931)	SODIUM SODIUM PERCENT (00932)	SIUM, DIS- SOLVED (MG/L AS K) (00935)	POTAS- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	CHLO- SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS F) (00950)	FLUO-SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)
JUN 02...	12	6.1	51	3	66	1.7	24	95	<.10	5.8
AUG 03...	6.6	4.6	62	5	78	1.9	32	56	.14	4.1
DATE	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	
JUN 02...	26	620	23	53	36	229	218	58.7	.31	
AUG 03...	30	340	46	88	42	220	207	5.94	.30	

MOBILE RIVER BASIN

02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	103	77	91	118	94	103	170	115	143
2	---	---	---	101	79	96	113	88	105	206	127	161
3	---	---	---	98	65	77	114	84	102	220	151	188
4	---	---	---	79	65	70	123	88	107	320	182	275
5	---	---	---	85	75	81	117	85	91	386	277	339
6	---	---	---	94	76	88	121	85	102	389	74	229
7	---	---	---	91	73	81	120	89	103	91	56	72
8	---	---	---	90	74	85	114	77	97	115	91	103
9	---	---	---	92	64	81	125	85	105	138	115	126
10	---	---	---	75	62	66	129	90	111	176	112	145
11	---	---	---	83	71	77	145	97	123	250	138	183
12	---	---	---	94	71	87	154	112	138	290	250	270
13	---	---	---	103	73	92	183	122	160	317	290	303
14	---	---	---	95	63	71	182	129	162	304	203	251
15	---	---	---	75	64	68	208	86	162	306	207	266
16	---	---	---	80	70	76	118	83	95	325	216	273
17	192	180	188	90	74	85	145	107	129	406	278	327
18	187	159	177	97	74	91	160	91	132	417	311	353
19	169	150	162	107	79	99	162	145	154	507	417	487
20	164	139	150	137	86	118	213	124	166	535	442	516
21	153	115	145	135	99	122	207	122	162	442	374	406
22	160	99	118	130	93	116	207	182	192	484	366	415
23	177	160	168	133	97	118	278	205	255	505	410	447
24	193	171	184	136	98	123	244	211	222	551	505	528
25	171	111	128	136	100	125	235	185	219	539	484	516
26	178	152	169	137	103	126	216	131	167	484	423	443
27	185	130	169	142	104	128	213	159	197	443	421	429
28	130	74	87	157	114	139	229	100	153	576	443	507
29	---	---	---	156	108	135	144	103	135	606	520	581
30	---	---	---	165	118	147	176	115	152	520	458	476
31	---	---	---	152	96	121	---	---	---	646	463	574
MONTH	---	---	---	165	62	99	278	77	143	646	56	333

[illegible]

MOBILE RIVER BASIN

02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	13.1	12.0	12.4	12.5	10.9	11.7	14.8	13.7	14.2	19.1	17.1	18.1
2	12.6	11.9	12.2	12.7	10.9	11.7	16.4	14.2	15.2	19.4	17.2	18.2
3	12.6	11.7	12.1	12.7	11.7	12.4	18.9	16.0	17.4	19.9	17.8	18.8
4	---	---	---	11.7	9.9	10.5	19.7	18.4	19.0	20.1	18.2	19.1
5	---	---	---	10.9	9.5	10.2	20.6	18.4	19.5	20.1	18.7	19.4
6	---	---	---	12.9	10.9	12.0	22.1	19.9	20.8	20.1	19.0	19.4
7	---	---	---	12.5	11.2	11.7	21.4	20.0	20.7	19.6	18.2	18.9
8	---	---	---	11.2	10.4	10.6	21.1	20.3	20.7	19.4	17.8	18.7
9	---	---	---	12.3	10.5	11.3	21.8	20.3	21.0	20.1	18.1	19.1
10	---	---	---	12.2	11.2	11.8	22.7	21.0	21.8	21.2	19.1	20.1
11	---	---	---	11.9	11.1	11.5	23.5	21.9	22.5	21.6	20.4	20.9
12	---	---	---	11.6	10.2	11.0	22.2	20.3	21.4	21.2	20.7	20.9
13	---	---	---	11.5	11.0	11.2	20.3	18.8	19.5	22.5	20.3	21.1
14	---	---	---	11.0	10.4	10.8	19.3	18.0	18.6	21.4	19.8	20.7
15	---	---	---	11.0	9.8	10.4	19.0	17.4	18.4	21.7	19.1	20.4
16	---	---	---	11.5	9.8	10.8	17.4	15.7	16.4	22.7	19.8	21.2
17	10.9	9.6	10.5	12.4	10.7	11.6	16.2	14.6	15.2	23.7	20.6	22.1
18	10.9	10.4	10.7	13.5	11.6	12.5	15.2	13.3	14.2	23.7	21.7	22.7
19	11.1	10.1	10.5	14.3	12.6	13.5	15.8	13.4	14.6	24.0	21.2	22.6
20	11.0	9.4	10.3	14.0	12.8	13.4	17.9	15.2	16.4	23.6	20.9	22.3
21	10.6	8.9	9.9	14.5	12.7	13.5	19.7	17.1	18.2	24.1	21.4	22.5
22	8.9	7.3	8.1	14.2	12.2	13.2	20.4	18.2	19.3	23.9	22.5	23.1
23	7.7	6.9	7.4	13.5	12.0	12.9	22.1	19.2	20.5	24.7	22.5	23.3
24	8.5	6.4	7.3	14.1	12.9	13.5	21.3	20.4	20.8	25.1	22.5	23.5
25	8.1	7.1	7.6	14.5	13.4	13.9	21.3	19.5	20.4	24.6	21.8	23.2
26	10.9	7.9	9.6	14.2	12.2	13.2	21.6	20.5	20.9	23.7	22.7	23.2
27	12.6	10.5	11.7	13.7	11.4	12.5	21.9	20.7	21.2	25.1	22.0	23.1
28	13.2	12.4	12.8	13.8	11.5	12.7	21.7	20.3	21.0	24.6	21.4	22.8
29	---	---	---	14.0	13.2	13.6	21.1	20.0	20.5	24.3	21.7	22.9
30	---	---	---	13.8	13.5	13.6	20.0	18.7	19.3	23.5	22.1	22.8
31	---	---	---	13.8	13.5	13.6	---	---	---	24.0	22.4	23.1
MONTH	---	---	---	14.5	9.5	12.2	23.5	13.3	19.0	25.1	17.1	21.2
JUNE				JULY			AUGUST			SEPTEMBER		
1	24.3	22.5	23.3	25.3	23.9	24.6	31.6	29.1	30.4	28.5	23.7	25.4
2	23.8	22.0	23.1	26.6	25.0	25.7	31.3	29.2	30.3	26.7	23.4	25.0
3	24.4	22.1	23.1	27.7	25.7	26.5	30.5	28.4	29.5	26.3	24.3	25.1
4	26.3	23.1	24.5	28.4	25.7	26.9	29.9	27.3	28.5	27.2	24.1	25.4
5	27.2	24.5	25.7	28.2	26.1	27.2	28.6	26.8	27.8	29.1	24.2	26.0
6	27.8	25.4	26.3	29.5	26.6	27.9	28.3	26.4	27.4	27.0	25.1	26.0
7	27.6	24.9	26.1	28.5	26.9	27.7	29.8	26.3	27.6	27.2	25.0	26.0
8	27.2	25.0	26.0	27.6	26.7	27.1	29.0	26.8	27.7	26.9	24.9	25.8
9	27.4	24.8	26.0	27.3	25.5	26.4	29.2	27.3	28.1	27.4	24.8	25.6
10	26.6	24.6	25.6	28.0	26.3	27.0	29.1	26.5	27.9	27.4	22.4	24.2
11	27.4	24.7	25.9	28.2	26.2	27.0	30.4	27.5	28.7	26.1	21.5	23.3
12	26.8	25.0	25.7	27.8	26.2	26.8	31.1	27.8	29.4	25.3	21.8	23.3
13	26.6	24.4	25.4	27.5	25.5	26.4	31.3	28.5	29.9	25.5	22.4	23.9
14	26.7	24.7	25.6	27.3	25.1	26.1	31.2	28.4	29.5	26.9	23.1	24.3
15	26.3	24.8	25.4	27.7	25.2	26.4	29.6	26.6	27.7	25.9	21.6	23.1
16	25.8	24.7	25.2	26.9	24.5	26.1	29.3	25.9	27.2	25.4	20.6	22.3
17	27.0	24.1	25.2	26.0	24.4	25.3	29.5	26.1	27.4	24.2	19.1	21.0
18	26.2	22.9	24.5	27.1	24.7	25.8	29.3	26.2	27.6	23.5	18.4	20.6
19	26.0	23.4	24.7	28.7	26.3	27.2	29.9	26.5	27.9	24.7	19.9	21.8
20	25.9	23.0	24.6	29.3	26.7	27.7	30.4	26.6	28.0	25.8	21.8	23.3
21	25.7	22.9	24.4	30.1	27.1	28.3	29.5	25.9	27.2	23.5	20.5	22.0
22	26.5	23.3	24.9	30.5	27.4	28.8	28.3	25.6	26.8	23.0	18.5	20.0
23	25.9	24.4	24.9	29.7	27.6	28.6	28.6	26.0	27.1	22.7	16.5	18.8
24	24.7	21.5	23.8	30.0	27.3	28.6	27.4	26.1	26.7	21.3	16.4	18.3
25	23.6	21.4	22.3	30.3	27.3	28.7	27.1	25.4	26.1	21.8	16.5	18.7
26	23.5	22.7	22.9	30.4	28.2	29.1	28.4	25.2	26.4	21.1	18.0	19.7
27	22.8	22.2	22.5	30.5	27.9	29.0	27.9	25.3	26.5	23.8	20.4	21.9
28	24.0	22.3	23.0	31.1	27.7	29.3	27.9	25.3	26.4	24.3	22.5	23.3
29	24.5	23.7	24.1	31.4	28.2	29.8	28.2	25.0	26.3	23.7	21.3	22.8
30	25.0	24.0	24.5	31.6	28.4	30.0	29.4	24.6	26.2	22.3	19.2	20.4
31	---	---	---	31.9	29.1	30.5	26.4	23.9	25.1	---	---	---
MONTH	27.8	21.4	24.6	31.9	23.9	27.5	31.6	23.9	27.7	29.1	16.4	22.9

MOBILE RIVER BASIN

02464146 TURKEY CREEK NEAR TUSCALOOSA, AL

LOCATION.--Lat 33°24'48", long 87°30'38", in NE¹/₄ sec. 7, T. 19 S., R. 9 W., Tuscaloosa County, Hydrologic Unit 03160112, on left bank 1,400 ft downstream from State Highway 69, 1.1 mi upstream from Long Creek, 4.7 mi upstream from mouth, 5.5 mi east of Samantha, and 14 mi north of Tuscaloosa.

DRAINAGE AREA.--6.16 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1981 to September 1984, October 1986 to current year.

REVISED RECORDS.--WDR AL-82-1: 1981 (M).

GAGE.--Water-stage recorder. Altitude of gage is 270 ft, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	2.7	3.1	7.8	48	13	17	5.0	3.8	4.3	1.3	1.3
2	2.3	4.5	3.1	37	32	23	14	4.5	16	3.6	1.2	1.3
3	2.9	3.4	3.2	24	23	76	12	4.3	6.4	3.1	1.2	1.5
4	3.3	2.9	3.1	13	19	25	11	4.4	3.8	2.8	1.2	1.7
5	2.7	3.1	3.1	10	15	18	9.8	6.0	4.2	2.7	1.1	1.8
6	2.8	3.3	3.2	9.2	14	26	9.2	30	3.4	2.6	1.2	1.5
7	26	3.4	3.8	9.1	13	18	8.3	9.0	3.2	3.3	1.1	1.7
8	5.4	6.5	4.1	11	11	15	8.3	6.4	3.1	3.6	1.1	1.5
9	3.5	5.8	3.0	34	11	24	8.1	5.4	3.2	3.0	1.4	1.9
10	3.2	16	3.1	17	11	16	7.6	5.0	3.2	2.6	1.5	1.5
11	3.0	5.2	9.6	12	9.7	14	6.7	4.5	3.0	8.3	1.3	1.3
12	3.0	3.4	9.0	11	8.9	12	6.1	4.7	5.7	5.7	1.2	1.2
13	3.0	3.2	9.0	9.1	7.8	73	6.0	4.6	4.0	3.4	1.1	1.3
14	3.0	18	5.4	27	7.6	52	6.1	4.0	3.8	3.0	1.0	1.3
15	2.9	6.8	4.2	19	7.3	27	11	3.9	4.3	2.8	.97	1.1
16	3.0	4.9	3.8	14	7.2	20	6.4	3.7	3.9	20	.99	1.1
17	3.0	4.1	3.4	12	31	16	5.9	3.5	3.3	5.8	.97	1.1
18	2.9	3.6	3.1	16	22	14	5.5	3.4	2.8	3.4	.94	1.2
19	3.0	3.6	5.2	12	15	12	5.4	3.2	2.8	2.6	.93	1.3
20	3.0	4.1	4.0	11	12	13	5.4	3.0	2.6	2.3	.92	1.4
21	2.7	3.6	4.0	9.5	10	12	5.1	2.9	2.5	2.0	.90	1.8
22	2.6	3.3	6.3	52	9.1	11	5.0	3.0	2.4	1.8	.90	1.5
23	2.6	3.5	10	120	9.0	9.9	4.9	3.0	2.7	1.7	.98	1.3
24	2.6	3.6	69	32	8.2	10	5.8	2.8	7.9	1.8	1.1	1.3
25	2.8	3.4	16	21	8.0	11	6.7	2.6	5.5	2.0	2.0	1.2
26	2.8	3.2	10	16	7.9	9.3	5.3	2.8	8.5	1.7	1.7	1.3
27	2.7	3.1	8.1	14	17	8.7	9.2	5.3	8.2	1.6	1.4	1.4
28	2.7	3.1	54	12	21	8.5	5.8	3.7	6.2	1.5	1.4	1.5
29	2.8	3.0	19	52	---	8.3	7.0	2.3	5.9	1.5	1.4	3.5
30	2.7	3.1	12	134	---	8.7	6.0	4.0	5.2	1.4	1.3	1.6
31	2.8	---	9.2	164	---	24	---	4.6	---	1.3	1.2	---
TOTAL	114.1	141.4	307.1	941.7	415.7	628.4	230.6	155.5	141.5	107.2	36.90	44.4
MEAN	3.68	4.71	9.91	30.4	14.8	20.3	7.69	5.02	4.72	3.46	1.19	1.48
MAX	26	18	69	164	48	76	17	30	16	20	2.0	3.5
MIN	2.3	2.7	3.0	7.8	7.2	8.3	4.9	2.3	2.4	1.3	.90	1.1
CFSM	.60	.77	1.61	4.93	2.41	3.29	1.25	.81	.77	.56	.19	.24
IN.	.69	.85	1.85	5.69	2.51	3.79	1.39	.94	.85	.65	.22	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1999, BY WATER YEAR (WY)

MEAN	3.58	6.80	13.1	18.8	18.5	16.3	12.8	10.0	6.95	5.90	2.97	2.66
MAX	7.86	13.6	59.3	31.3	45.8	25.1	32.0	36.9	21.3	15.1	5.71	5.61
(WY)	1996	1996	1984	1990	1990	1990	1983	1983	1989	1996	1994	1996
MIN	1.34	2.02	3.05	6.62	5.38	5.43	5.25	1.81	.80	1.73	.92	.97
(WY)	1988	1982	1988	1991	1988	1992	1992	1988	1988	1981	1988	1981

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1981 - 1999

ANNUAL TOTAL	4403.5	3264.50	9.96
ANNUAL MEAN	12.1	8.94	16.1
HIGHEST ANNUAL MEAN			1983
LOWEST ANNUAL MEAN			1988
HIGHEST DAILY MEAN	262	164	819
LOWEST DAILY MEAN	2.2	.90	.55
ANNUAL SEVEN-DAY MINIMUM	2.4	.93	.61
INSTANTANEOUS PEAK FLOW		639	3500
INSTANTANEOUS PEAK STAGE		5.91	11.98
ANNUAL RUNOFF (CFSM)	1.96	1.45	1.62
ANNUAL RUNOFF (INCHES)	26.59	19.71	21.96
10 PERCENT EXCEEDS	25	18	20
50 PERCENT EXCEEDS	6.0	4.0	4.8
90 PERCENT EXCEEDS	2.7	1.3	1.5

MOBILE RIVER BASIN

02464146 TURKEY CREEK NEAR TUSCALOOSA, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1981 to September 1984, October 1986 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1981 to September 1984, October 1986 to current year.

WATER TEMPERATURE: February 1981 to September 1984, October 1986 to current year.

SUSPENDED SEDIMENT: February 1981 to September 1984.

INSTRUMENTATION.--U.S. Geological Survey water-quality mini-monitor February 1981 to September 1984 and October 1986 to current year.

REMARKS.--Interruptions in water temperature data were due to malfunctions in equipment.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, unknown, Apr. 30, May 1-3, 1994; minimum, 8 microSiemens, Aug. 5, 7, 1981.

WATER TEMPERATURE: Maximum, 32.6°C, July 24, 1989; minimum, 0°C, Dec. 19, 20, 1981, Jan. 17, 1982, Mar. 14, 1993.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 606 microSiemens, Aug. 10; minimum, 90 microSiemens, Mar. 13.

WATER TEMPERATURE: Maximum, 28.3°C, Aug. 12; minimum, 2.2°C, Jan. 5.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)
JUN 03...	1245	21.7	27.4	762	5.8	2.61	305	304	9.1	103	7.0	7.5
AUG 04...	1330	25.9	33.6	762	1.4	2.48	489	461	8.5	104	7.7	7.9
DATE	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)
JUN 03...	0	35	28	E690	150	<.010	<.010	<.20	.120	--	<.020	<.010
AUG 04...	0	67	55	100	85	.010	<.010	<.20	.050	.01	<.020	<.010
DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)		
JUN 03...	2.6	140	110	26	18	2.4	.1	4	1.5	1.3	110	
AUG 04...	1.3	230	180	45	29	3.8	.1	3	2.3	1.5	190	
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	
JUN 03...	<.10	6.9	7.9	550	99	420	390	219	184	3.43	.30	
AUG 04...	<.10	7.4	8.5	80	4.7	58	47	381	312	1.44	.52	

MOBILE RIVER BASIN

02464146 TURKEY CREEK NEAR TUSCALOOSA, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	494	466	480	442	408	423	372	366	368	303	280	293
2	498	465	482	447	404	421	370	365	367	313	158	251
3	507	474	487	460	411	436	414	370	394	216	158	186
4	487	448	473	411	365	374	409	394	400	256	216	238
5	495	468	479	393	371	384	415	397	404	285	256	272
6	470	445	458	406	392	398	415	397	402	297	285	291
7	469	237	371	412	403	406	406	383	397	307	292	300
8	336	261	299	424	361	396	426	374	409	317	256	300
9	362	336	350	425	298	358	377	353	364	331	191	225
10	382	362	373	398	229	317	389	353	380	252	213	233
11	393	382	388	275	228	251	394	301	365	283	252	269
12	402	388	395	312	275	293	368	246	280	307	283	296
13	413	394	405	328	312	320	292	244	260	330	307	319
14	418	404	412	336	211	266	276	247	263	336	209	272
15	430	409	416	257	222	241	302	274	287	255	227	240
16	430	413	425	286	257	272	313	299	306	285	255	269
17	436	411	426	304	286	294	321	310	316	306	285	297
18	439	421	431	329	304	315	335	319	325	371	281	305
19	442	421	432	332	327	329	374	306	341	310	289	302
20	436	421	428	348	328	334	358	294	313	333	310	322
21	437	411	427	357	348	354	332	306	321	352	333	343
22	440	412	429	357	345	349	386	300	351	396	191	349
23	442	419	433	352	344	348	331	243	306	191	134	154
24	448	423	436	354	351	352	321	119	151	217	182	200
25	445	422	433	360	349	353	205	153	181	240	217	228
26	435	414	427	362	355	358	240	205	224	258	240	248
27	440	410	424	368	358	363	266	240	257	273	258	265
28	442	407	422	374	368	371	315	126	171	287	273	280
29	435	408	422	374	365	369	215	159	188	294	168	271
30	438	402	420	370	363	367	251	215	233	181	162	167
31	442	407	422	---	---	---	280	251	266	187	155	167
MONTH	507	237	423	460	211	347	426	119	309	396	134	263
FEBRUARY				MARCH			APRIL			MAY		
1	224	187	208	273	239	256	233	205	216	387	351	373
2	250	224	238	302	250	284	251	224	237	417	376	397
3	268	250	259	250	99	126	275	251	262	432	393	410
4	361	268	290	212	152	187	290	275	283	440	403	418
5	316	304	310	250	211	231	307	290	299	430	371	406
6	327	308	318	295	195	218	320	307	313	431	198	242
7	334	314	327	251	217	235	329	312	320	268	216	247
8	347	329	340	269	243	258	333	328	331	321	268	301
9	384	343	358	300	219	236	339	332	336	359	313	340
10	370	340	353	260	234	247	345	337	341	380	339	363
11	369	350	361	280	260	270	356	344	350	409	356	381
12	389	366	374	297	275	287	366	351	360	412	379	394
13	390	371	382	300	90	238	372	362	368	407	386	396
14	402	388	396	170	98	138	377	369	372	435	385	406
15	396	389	393	218	170	196	395	326	354	449	405	424
16	397	392	395	249	208	231	380	339	361	455	408	428
17	411	180	294	271	245	258	408	373	390	471	417	436
18	235	181	210	290	265	277	467	370	409	469	422	440
19	269	235	255	310	287	298	411	379	391	476	422	444
20	306	269	292	331	294	310	408	386	398	492	434	456
21	324	303	313	331	266	293	419	394	408	492	446	467
22	341	324	335	326	310	318	431	399	416	492	450	468
23	352	340	345	332	326	329	430	407	419	494	452	470
24	352	342	348	342	328	334	429	389	414	494	443	466
25	374	352	363	342	302	319	424	337	371	498	458	472
26	376	368	373	332	306	322	406	372	390	500	468	480
27	422	215	361	342	332	339	460	300	382	---	---	---
28	239	193	211	346	341	344	360	300	330	---	---	---
29	---	---	---	351	344	347	389	353	367	547	496	515
30	---	---	---	352	345	348	364	323	339	547	315	486
31	---	---	---	350	202	270	---	---	---	485	405	440
MONTH	422	180	322	352	90	269	467	205	351	---	---	---

MOBILE RIVER BASIN

02464146 TURKEY CREEK NEAR TUSCALOOSA, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	466	392	414	379	334	362	528	464	498	559	490	522
2	498	251	377	401	356	372	531	459	500	579	499	536
3	341	255	298	428	380	398	537	471	509	589	516	549
4	395	330	356	444	403	423	551	484	514	593	529	557
5	443	354	397	452	426	440	561	483	519	593	528	545
6	437	376	403	467	440	452	561	489	523	602	514	548
7	460	402	425	513	392	442	564	495	525	575	504	532
8	463	425	443	562	394	468	570	493	526	555	483	515
9	471	424	443	423	373	388	602	494	538	551	496	525
10	472	422	443	450	412	428	606	534	557	557	504	528
11	480	426	452	578	324	445	553	483	516	549	486	512
12	503	359	452	363	282	300	551	459	505	544	476	507
13	460	357	387	389	330	351	545	459	503	543	477	509
14	417	376	396	420	374	388	551	476	514	564	489	520
15	423	375	402	430	402	412	562	480	520	548	495	520
16	428	393	406	562	255	368	569	493	529	550	489	515
17	450	403	421	297	257	274	575	502	535	567	507	531
18	461	429	442	349	293	312	589	502	541	---	---	---
19	477	452	460	382	332	348	584	501	539	---	---	---
20	481	453	467	408	364	376	584	507	542	---	---	---
21	489	460	475	420	387	403	589	503	544	---	---	---
22	497	460	479	433	407	417	593	496	543	---	---	---
23	497	456	481	444	419	430	595	505	544	---	---	---
24	498	305	428	449	428	440	588	516	547	---	---	---
25	400	304	353	468	438	452	586	456	545	---	---	---
26	422	326	384	470	410	434	587	502	552	---	---	---
27	415	293	319	456	424	435	585	469	518	---	---	---
28	362	295	316	474	438	455	548	465	501	---	---	---
29	375	317	340	493	449	469	542	471	503	---	---	---
30	343	255	314	496	450	478	550	479	510	---	---	---
31	---	---	---	511	451	483	562	484	517	---	---	---
MONTH	503	251	406	578	255	408	606	456	525	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.2	21.2	22.7	17.1	13.9	15.8	14.5	11.5	13.1	9.5	6.2	8.0
2	22.9	20.3	21.8	17.2	15.3	16.3	13.6	10.0	12.1	11.4	9.4	10.5
3	24.0	21.4	22.6	16.7	13.3	15.1	15.0	11.4	13.3	10.0	6.4	8.2
4	23.5	20.7	22.3	14.1	11.6	13.0	15.5	11.9	13.9	6.4	3.8	5.3
5	23.5	21.4	22.6	12.8	9.7	11.7	17.9	14.7	16.3	4.7	2.2	3.6
6	23.4	21.8	22.6	10.2	7.4	8.9	18.2	15.6	17.0	6.9	3.9	5.6
7	22.9	21.0	22.2	9.7	6.3	8.4	19.7	17.5	18.5	10.4	6.9	8.9
8	21.0	17.6	19.3	12.5	9.5	11.0	18.5	14.2	17.1	12.7	10.3	11.6
9	17.6	14.5	16.4	16.2	12.5	14.6	14.2	10.2	12.4	12.7	7.5	10.2
10	17.3	13.4	15.6	17.3	15.3	16.3	12.1	9.0	10.7	7.5	6.0	6.8
11	17.5	13.4	15.7	15.3	10.5	13.0	12.6	11.7	12.0	8.3	5.1	6.7
12	17.8	14.0	16.2	12.4	8.8	10.9	13.9	12.5	13.1	10.6	6.9	8.8
13	17.9	14.3	16.4	14.2	12.0	13.2	13.9	12.4	13.2	13.2	10.1	11.6
14	17.3	14.0	16.0	15.2	13.4	14.4	12.4	10.5	11.8	12.9	10.2	12.0
15	17.5	13.3	15.7	16.2	14.6	15.4	10.6	8.0	9.4	10.7	8.6	9.8
16	19.1	16.1	17.6	16.8	14.5	15.8	9.1	6.0	7.7	10.9	7.3	9.2
17	18.7	15.3	17.2	17.2	13.2	15.8	8.7	6.2	7.4	13.3	9.6	11.7
18	20.4	17.2	18.8	14.9	11.0	13.2	8.1	4.6	6.6	13.4	9.8	12.0
19	20.9	19.1	20.0	16.6	13.8	15.1	11.4	8.1	9.8	11.4	8.0	9.8
20	20.4	17.5	19.4	15.3	11.8	14.2	12.9	10.0	11.7	13.9	10.4	12.4
21	18.0	15.9	16.9	12.1	9.1	11.0	15.7	12.9	14.4	15.6	12.2	14.1
22	15.9	13.1	14.6	12.8	8.3	10.8	15.2	8.0	11.0	16.6	14.7	15.6
23	14.0	10.9	12.6	15.3	12.8	14.2	8.0	7.1	7.5	15.0	13.0	14.2
24	12.9	9.2	11.4	16.4	14.2	15.4	10.1	7.6	9.4	13.2	10.7	12.4
25	13.8	9.9	12.1	16.3	13.6	15.0	8.9	8.0	8.5	13.3	9.6	11.5
26	14.4	10.7	12.8	15.4	11.7	14.1	9.1	7.4	8.6	13.9	10.1	12.0
27	14.7	11.1	13.2	12.5	9.0	11.0	9.2	6.6	8.0	13.5	10.4	12.0
28	14.9	11.2	13.4	12.4	8.5	10.7	11.9	9.1	10.9	14.1	11.8	13.0
29	15.8	12.3	14.4	12.7	9.0	11.0	11.7	10.2	11.3	15.0	12.6	13.9
30	17.1	13.5	15.6	13.7	9.2	11.7	10.2	7.2	8.6	14.7	14.3	14.5
31	18.1	15.2	16.7	---	---	---	9.1	6.5	7.7	14.4	12.8	13.7
MONTH	24.2	9.2	17.3	17.3	6.3	13.2	19.7	4.6	11.4	16.6	2.2	10.6

MOBILE RIVER BASIN

02464146 TURKEY CREEK NEAR TUSCALOOSA, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	13.0	12.5	12.7	13.8	8.8	11.3	16.4	13.8	14.8	17.9	12.7	15.4
2	14.4	12.3	13.2	14.8	9.1	12.2	18.4	13.1	15.6	18.6	12.7	15.8
3	13.8	10.7	12.4	13.3	9.9	12.2	20.9	15.0	17.8	19.0	13.9	16.6
4	14.5	11.0	13.2	12.7	8.6	10.5	20.0	16.9	18.2	18.9	15.4	17.2
5	13.3	9.4	11.2	13.4	8.8	11.2	22.1	15.5	18.6	19.4	17.1	18.1
6	14.7	10.3	12.7	15.4	11.8	13.5	22.4	17.8	19.6	19.9	17.8	18.9
7	16.7	13.8	15.0	12.9	9.8	11.2	21.2	15.2	18.3	19.8	16.4	18.0
8	15.7	11.4	13.7	11.8	9.5	10.8	20.0	17.6	18.8	19.5	14.4	17.1
9	16.5	13.4	14.8	15.1	11.1	12.7	22.2	18.4	19.9	20.3	15.1	17.7
10	16.9	14.8	15.6	13.8	9.3	11.5	22.8	18.4	20.4	20.9	16.4	18.8
11	17.8	14.5	16.2	12.7	10.0	11.1	22.9	18.6	20.8	21.4	17.6	19.5
12	16.5	9.1	12.9	13.3	8.5	11.0	20.1	16.0	17.9	19.7	18.3	19.0
13	10.5	7.2	8.7	12.2	10.9	11.5	18.4	13.1	15.8	20.9	18.1	19.3
14	10.1	5.8	7.9	12.0	10.2	11.4	18.4	13.9	16.3	19.3	15.1	17.5
15	10.6	5.5	8.0	13.6	9.8	11.3	18.2	15.4	17.2	19.6	15.3	17.7
16	12.8	7.3	10.2	14.2	8.5	11.2	16.7	12.1	14.5	20.8	17.1	19.0
17	13.4	12.0	12.8	15.2	9.4	12.1	15.1	10.7	12.9	21.6	17.0	19.5
18	12.0	10.9	11.5	16.3	10.3	13.3	15.3	9.5	12.4	21.2	18.1	19.7
19	12.9	10.0	11.4	15.9	11.0	13.3	17.1	9.8	13.5	21.1	16.7	19.1
20	12.7	8.4	10.7	14.3	10.6	12.6	19.9	14.3	16.8	20.5	15.3	18.3
21	11.3	7.4	9.4	15.9	11.6	13.4	20.5	15.2	17.8	21.4	16.1	18.9
22	9.5	5.4	7.5	15.0	8.9	11.9	20.2	16.0	18.0	21.2	17.9	19.8
23	8.5	7.0	7.6	14.3	8.9	11.9	21.9	18.1	19.7	22.0	18.4	20.3
24	10.8	5.9	8.2	15.3	11.8	13.7	20.2	18.4	18.9	21.9	18.2	20.2
25	10.9	6.3	8.9	15.0	11.5	13.5	20.6	17.4	18.9	21.2	16.0	19.0
26	15.1	10.9	12.8	14.5	8.7	11.5	20.7	18.5	19.5	20.5	18.6	19.7
27	14.4	12.7	13.5	14.5	7.7	11.0	20.2	18.7	19.4	---	---	---
28	14.5	10.7	12.9	15.5	8.2	11.9	21.4	17.9	19.5	---	---	---
29	---	---	---	14.4	12.2	13.2	18.9	16.9	17.9	21.1	17.1	19.3
30	---	---	---	13.8	12.2	13.0	17.7	15.2	16.6	20.3	18.4	19.5
31	---	---	---	14.6	12.8	13.7	---	---	---	21.5	19.0	20.1
MONTH	17.8	5.4	11.6	16.3	7.7	12.1	22.9	9.5	17.5	---	---	---
JUNE				JULY			AUGUST			SEPTEMBER		
1	22.7	19.2	20.9	24.4	21.3	22.9	28.0	24.2	26.2	24.4	20.4	22.4
2	22.3	20.5	21.2	25.9	22.7	24.2	28.0	24.6	26.4	23.5	20.1	22.1
3	23.3	19.4	21.3	25.8	22.5	24.2	26.8	23.1	25.4	23.5	21.6	22.6
4	24.4	20.6	22.5	25.5	22.0	23.9	26.4	22.5	24.5	24.2	21.5	22.9
5	24.4	21.1	22.8	25.3	22.2	23.9	25.1	21.6	23.6	25.5	21.2	23.4
6	24.3	20.6	22.6	26.2	22.7	24.5	25.2	21.5	23.7	25.0	22.6	23.8
7	23.6	19.9	22.0	26.3	22.9	24.3	25.8	21.9	24.0	24.9	21.9	23.5
8	22.6	20.3	21.7	25.4	23.1	24.1	25.8	22.8	24.4	25.0	21.9	23.5
9	23.5	20.2	21.9	25.8	23.2	24.4	26.4	24.1	25.3	24.3	22.4	23.3
10	23.0	20.1	21.6	26.3	23.3	24.8	25.8	23.5	24.8	23.0	19.2	21.2
11	24.0	21.0	22.5	25.7	23.2	24.2	27.3	23.9	25.6	21.7	17.3	19.7
12	23.0	21.6	22.2	24.4	22.9	23.5	28.3	24.5	26.4	22.3	18.2	20.3
13	23.3	21.1	22.2	24.3	21.5	22.9	28.1	24.7	26.5	23.4	19.4	21.4
14	23.4	20.9	22.1	23.9	21.1	22.7	27.7	24.5	26.0	24.1	20.6	22.2
15	22.6	21.4	22.0	25.1	21.5	23.3	25.3	21.3	23.6	22.0	18.0	19.9
16	23.1	21.2	22.1	24.2	21.9	22.8	25.3	20.6	23.1	20.9	16.6	18.7
17	23.5	20.1	21.8	23.9	20.8	22.5	25.8	21.4	23.6	19.5	14.8	17.2
18	22.1	17.9	20.3	24.9	21.8	23.5	26.0	21.4	23.9	---	---	---
19	22.5	19.8	21.2	25.7	22.6	24.1	26.8	22.5	24.7	---	---	---
20	22.3	18.4	20.7	25.8	22.2	24.1	27.0	23.2	25.0	---	---	---
21	22.6	18.3	20.7	26.3	22.8	24.6	25.8	22.0	24.0	---	---	---
22	23.3	18.8	21.3	26.5	23.1	25.0	25.1	21.5	23.4	---	---	---
23	22.3	20.7	21.6	26.8	23.6	25.3	25.7	22.6	24.2	---	---	---
24	23.3	21.3	21.8	26.1	23.9	25.1	24.9	23.5	24.3	---	---	---
25	23.7	21.2	22.2	26.8	23.6	25.2	24.9	23.0	23.8	---	---	---
26	23.6	22.0	22.6	27.1	23.7	25.4	25.6	22.6	24.1	---	---	---
27	23.4	22.1	22.7	26.4	23.3	25.0	24.5	21.4	23.2	---	---	---
28	25.0	22.3	23.4	26.6	23.3	25.1	24.7	21.8	23.4	---	---	---
29	24.3	23.1	23.6	27.5	23.9	25.8	25.2	21.3	23.4	---	---	---
30	24.2	21.9	22.9	27.8	24.3	26.2	25.4	21.4	23.5	---	---	---
31	---	---	---	27.8	24.7	26.3	24.0	20.5	22.3	---	---	---
MONTH	25.0	17.9	21.9	27.8	20.8	24.3	28.3	20.5	24.4	---	---	---

MOBILE RIVER BASIN

02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA, AL

LOCATION.--Lat 33°25'29", long 87°38'33", in SW 1/4 sec. 1, T. 19 S., R. 11 W., Tuscaloosa County, Hydrologic Unit 03160112, at county road 30 ft downstream from Gin Creek, 1.0 mi downstream from Wolf Creek, and 2.2 mi west of Samantha.

DRAINAGE AREA.--57.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1986 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 230 ft, from topographic map.

REMARKS.--No estimated daily discharges. Water-discharge 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	27	36	88	824	168	170	41	38	104	18	13
2	22	34	35	227	387	120	102	38	103	62	17	13
3	26	46	36	296	245	429	84	35	250	44	16	13
4	35	36	35	164	190	209	80	34	69	36	15	14
5	27	33	35	101	156	141	78	48	46	32	15	16
6	26	31	35	88	139	222	70	250	34	29	15	15
7	116	30	36	104	139	158	62	117	29	44	15	21
8	167	55	71	146	129	119	60	55	27	97	15	18
9	56	76	50	339	109	210	59	44	26	49	16	25
10	37	127	42	207	105	152	56	39	25	36	38	19
11	33	152	95	130	99	119	51	36	26	35	31	16
12	31	62	151	105	95	99	45	36	27	44	21	15
13	30	44	122	92	87	228	44	41	38	34	18	14
14	29	143	76	106	80	592	45	38	37	29	16	14
15	28	130	56	122	77	240	85	35	66	27	14	13
16	28	68	48	90	76	158	72	33	46	108	14	13
17	27	53	45	84	88	127	52	31	35	106	14	13
18	28	45	42	110	107	110	47	30	27	54	14	13
19	28	42	58	88	89	97	45	30	24	38	13	14
20	28	42	63	76	78	91	44	28	22	38	13	14
21	27	44	52	72	73	113	42	26	21	30	12	14
22	26	41	95	91	69	89	40	25	20	26	12	15
23	25	40	151	1390	69	79	39	29	20	25	13	15
24	26	42	672	437	70	77	40	28	133	28	13	14
25	27	41	363	204	67	94	66	22	291	29	24	13
26	27	39	154	154	69	87	52	22	172	26	22	13
27	28	37	110	127	105	71	56	23	302	27	18	24
28	27	36	480	112	421	67	76	20	131	27	16	27
29	27	36	337	171	---	65	57	19	73	22	15	28
30	27	35	152	1050	---	67	48	22	63	20	14	31
31	28	---	106	2430	---	170	---	31	---	19	13	---
TOTAL	1120	1667	3839	9001	4242	4768	1867	1306	2221	1325	520	500
MEAN	36.1	55.6	124	290	152	154	62.2	42.1	74.0	42.7	16.8	16.7
MAX	167	152	672	2430	824	592	170	250	302	108	38	31
MIN	22	27	35	72	67	65	39	19	20	19	12	13
CFSM	.63	.97	2.17	5.08	2.65	2.69	1.09	.74	1.29	.75	.29	.29
IN.	.73	1.08	2.50	5.85	2.76	3.10	1.21	.85	1.44	.86	.34	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1999, BY WATER YEAR (WY)

MEAN	39.1	77.0	92.0	178	169	145	111	71.7	71.1	71.5	33.7	32.8
MAX	68.3	131	138	290	375	228	287	293	242	183	60.9	49.8
(WY)	1996	1996	1997	1999	1990	1990	1991	1991	1989	1989	1996	1988
MIN	16.3	34.3	39.8	68.4	71.5	48.2	50.8	17.9	10.8	15.4	12.5	16.7
(WY)	1988	1988	1988	1988	1988	1988	1987	1988	1988	1988	1987	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1987 - 1999
ANNUAL TOTAL	38633	32376	
ANNUAL MEAN	106	88.7	90.5
HIGHEST ANNUAL MEAN			123
LOWEST ANNUAL MEAN			38.8
HIGHEST DAILY MEAN	1980	2430	3000
LOWEST DAILY MEAN	20	12	7.2
ANNUAL SEVEN-DAY MINIMUM	20	13	7.8
INSTANTANEOUS PEAK FLOW		3030	7230
INSTANTANEOUS PEAK STAGE		12.63	15.19
ANNUAL RUNOFF (CFSM)	1.85	1.55	1.58
ANNUAL RUNOFF (INCHES)	25.12	21.06	21.51
10 PERCENT EXCEEDS	209	160	175
50 PERCENT EXCEEDS	56	42	51
90 PERCENT EXCEEDS	25	15	20

MOBILE RIVER BASIN

02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1981 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1986 to September 1999 (discontinued).

WATER TEMPERATURE: October 1986 to September 1999 (discontinued).

INSTRUMENTATION.--U.S. Geological Survey water-quality monitor October 1986 to September 1999.

REMARKS.--Miscellaneous samples of chemical data published for 1975 water year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 364 microSiemens, July 6, 1994; minimum, 9 microSiemens, July 27, 1994.

WATER TEMPERATURE: Maximum, 31.9°C, July 8, 1990; minimum, 0.0°C, Jan. 10, 11, 1988, Dec. 22-26, 1989, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 169 microSiemens, June 9; minimum, 20 microSiemens, June 13.

WATER TEMPERATURE: Maximum, 28.3°C, Aug. 13; minimum, 1.5°C, Jan. 5.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 03...	1530	22.2	29.1	765	186	6.40	31	32	7.3	84
AUG 03...	1500	27.2	32.7	759	16	3.54	55	51	6.6	84
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
JUN 03...	6.3	6.1	0	5	4	E7400	3700	.62	.44	.020
AUG 03...	7.4	7.0	0	14	11	130	120	.49	.26	.040
DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
JUN 03...	<.010	.46	.160	.03	2.7	.06	.040	.020	5.4	8
AUG 03...	<.010	.30	.190	.05	2.2	.03	<.020	.010	2.2	15
DATE	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
JUN 03...	4	1.8	.90	1.0	.2	18	1.2	1.6	4.6	<.10
AUG 03...	3	3.3	1.6	1.6	.2	17	1.4	2.4	5.6	<.10
DATE	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
JUN 03...	6.7	7.9	2200	360	520	420	33	21	16.6	.04
AUG 03...	9.4	5.9	1500	240	170	130	33	33	1.44	.04

MOBILE RIVER BASIN

02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	46	42	43	34	32	33	---	---	---	47	46	46
2	46	40	43	38	33	34	---	---	---	46	41	44
3	45	36	42	39	32	35	---	---	---	43	38	40
4	45	38	43	32	31	32	40	38	39	48	43	45
5	45	41	43	34	32	33	41	37	39	50	48	49
6	45	36	40	34	32	34	40	37	38	50	48	49
7	55	33	40	36	32	34	39	35	36	48	45	47
8	40	34	36	37	32	34	47	33	37	53	45	47
9	40	35	36	35	28	29	37	33	35	50	45	47
10	42	37	40	47	26	32	36	34	35	51	46	49
11	42	39	40	35	31	32	47	32	37	53	51	52
12	46	38	42	35	31	33	48	40	43	52	51	51
13	40	36	37	38	35	37	48	41	46	52	50	51
14	43	35	37	52	32	40	47	44	46	55	51	52
15	40	34	36	40	35	37	44	35	37	55	50	52
16	36	35	36	44	38	41	35	34	34	---	---	---
17	38	34	35	47	43	44	36	34	35	---	---	---
18	38	34	36	50	45	47	35	33	34	---	---	---
19	39	36	37	48	44	46	35	32	33	---	---	---
20	39	35	38	48	45	47	35	32	33	---	---	---
21	38	33	36	47	42	45	35	35	35	57	51	53
22	37	34	36	45	41	43	39	35	37	55	28	51
23	38	34	36	46	41	44	39	36	38	38	26	34
24	38	34	36	46	39	44	38	36	37	49	35	41
25	36	33	35	45	40	43	44	38	40	53	47	50
26	35	32	34	41	37	40	49	44	47	54	50	52
27	35	32	33	---	---	---	50	49	50	52	50	51
28	36	32	34	---	---	---	50	40	46	52	49	50
29	36	32	34	---	---	---	42	39	40	58	35	49
30	36	33	34	---	---	---	47	42	45	44	31	38
31	34	32	33	---	---	---	48	47	47	36	27	31
MONTH	55	32	37	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	42	29	36	51	36	45	49	40	46	47	37	42
2	48	40	45	59	47	53	58	46	50	47	39	43
3	50	47	49	56	34	39	50	43	46	47	38	41
4	50	45	48	52	36	45	48	43	45	43	38	41
5	50	46	49	56	49	53	45	43	44	43	34	39
6	56	45	50	52	38	45	48	44	46	48	31	38
7	49	45	47	47	41	44	48	46	47	47	33	38
8	48	41	44	58	45	51	49	47	48	53	44	49
9	48	45	47	58	40	46	52	47	50	49	45	46
10	48	44	46	60	38	44	55	50	52	48	44	46
11	50	44	47	116	59	79	54	51	53	49	43	46
12	46	42	44	60	40	51	54	51	52	54	43	48
13	44	40	42	40	27	36	54	45	52	49	42	45
14	45	40	43	34	29	32	55	51	52	47	41	44
15	44	40	42	47	34	41	53	35	44	43	39	41
16	45	39	42	84	43	53	37	33	35	48	40	42
17	---	---	---	80	44	61	39	36	37	47	40	42
18	---	---	---	69	46	57	40	38	39	46	41	43
19	---	---	---	58	43	52	40	37	38	45	40	42
20	---	---	---	43	38	40	38	37	38	43	38	41
21	---	---	---	57	38	47	42	37	38	45	39	41
22	---	---	---	54	39	46	41	38	40	46	42	44
23	39	37	38	49	40	45	43	38	40	49	42	45
24	39	38	38	49	41	45	43	38	41	44	34	38
25	39	37	38	52	41	45	43	33	38	41	37	38
26	39	37	38	45	41	43	40	35	37	40	37	39
27	47	34	39	43	40	41	44	36	39	44	38	40
28	49	35	40	42	40	41	51	28	38	39	36	37
29	---	---	---	47	40	43	41	29	36	40	37	38
30	---	---	---	43	39	41	44	35	38	40	37	38
31	---	---	---	54	39	44	---	---	---	39	34	37
MONTH	---	---	---	116	27	47	58	28	43	54	31	42

MOBILE RIVER BASIN

02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	37	31	33	63	43	50	69	52	59	43	40	41
2	49	29	33	59	37	48	67	42	50	46	38	41
3	51	28	41	62	50	56	51	42	46	43	39	41
4	50	22	36	68	56	63	51	46	48	44	38	40
5	81	37	58	76	62	68	52	47	49	44	38	41
6	62	43	47	80	74	77	52	47	49	42	36	39
7	87	33	52	87	66	80	51	47	49	36	33	34
8	162	87	125	66	40	47	52	47	49	35	34	35
9	169	90	127	43	39	41	54	50	51	36	34	35
10	135	39	56	48	43	45	114	47	63	36	34	35
11	43	32	37	48	43	45	59	38	48	35	32	34
12	41	32	35	43	37	40	68	55	62	36	33	34
13	35	20	25	45	41	43	76	58	69	36	33	35
14	34	21	29	46	42	44	72	52	61	36	34	35
15	35	31	32	47	42	45	55	50	52	36	32	35
16	36	32	34	65	27	46	66	55	62	34	32	34
17	39	36	37	78	61	69	61	56	59	36	33	34
18	41	37	39	97	76	90	60	38	51	34	33	34
19	42	39	40	87	61	78	49	43	46	35	33	34
20	43	38	41	103	81	90	60	48	57	35	32	34
21	44	39	41	95	64	73	61	55	59	35	33	34
22	43	39	41	104	57	70	65	53	60	36	34	35
23	43	40	41	87	72	76	61	54	58	34	32	33
24	55	33	42	73	63	69	61	45	51	33	32	32
25	58	45	51	79	60	67	48	39	44	35	32	33
26	84	58	73	95	55	63	43	37	39	38	33	34
27	74	61	66	105	64	88	40	36	38	35	30	33
28	76	63	69	75	60	67	41	38	40	32	29	30
29	76	60	67	75	61	66	43	39	41	33	31	32
30	81	63	73	67	51	58	42	39	40	33	29	31
31	---	---	---	74	54	64	45	38	41	---	---	---
MONTH	169	20	51	105	27	62	114	36	51	46	29	35

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

[illegible]

MOBILE RIVER BASIN

02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA, AL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	12.3	11.3	11.5	12.8	9.8	11.6	16.2	14.1	15.0	18.1	15.0	16.6
2	12.9	11.1	11.9	13.9	10.1	12.1	17.8	14.4	16.1	18.7	14.9	16.7
3	12.6	10.6	11.8	13.8	10.7	12.4	20.9	17.0	19.2	19.3	15.7	17.4
4	13.8	12.1	12.8	11.0	8.1	9.8	20.9	19.5	20.2	18.9	16.8	17.9
5	12.3	9.8	11.0	12.2	8.3	10.1	22.1	18.5	20.4	19.6	17.7	18.4
6	13.2	10.2	11.6	14.7	12.1	13.3	23.3	20.8	21.9	20.7	18.4	19.5
7	16.1	13.2	14.7	13.2	10.2	11.5	21.4	18.7	20.3	20.3	18.1	19.3
8	15.2	12.9	14.2	10.9	9.4	10.2	21.1	20.2	20.7	19.6	16.7	18.3
9	15.6	13.8	14.8	14.6	10.3	12.3	22.4	20.1	21.2	20.1	17.0	18.5
10	16.7	15.5	16.0	13.3	10.5	12.1	23.2	20.7	22.0	21.4	17.9	19.6
11	17.4	15.5	16.5	12.2	10.5	11.4	23.7	21.5	22.6	21.8	19.1	20.4
12	17.2	11.4	14.5	12.1	9.3	10.9	21.5	18.5	20.1	20.6	19.5	20.0
13	11.4	8.5	9.6	12.1	10.3	11.2	18.5	16.2	17.5	21.5	19.3	20.2
14	8.9	6.7	7.9	10.4	8.8	10.0	18.2	15.9	17.2	19.9	17.7	18.9
15	8.7	6.0	7.6	11.5	7.9	9.7	18.3	16.9	17.9	20.2	17.0	18.6
16	11.4	7.4	9.2	12.1	8.2	10.4	16.9	14.2	15.4	21.6	18.4	19.9
17	---	---	---	13.3	9.5	11.6	14.9	12.8	13.8	22.1	18.8	20.4
18	---	---	---	14.5	11.0	12.9	14.4	11.5	13.0	21.9	19.5	20.6
19	---	---	---	14.9	12.3	13.7	15.8	11.8	13.7	21.9	18.7	20.2
20	---	---	---	13.7	11.7	12.6	19.1	15.2	16.9	21.2	17.6	19.5
21	---	---	---	14.5	11.5	13.0	20.2	16.9	18.4	21.6	17.7	19.6
22	---	---	---	13.5	10.5	12.2	20.3	17.9	19.0	21.4	19.1	20.3
23	7.0	6.3	6.7	13.6	10.0	12.1	22.0	19.2	20.5	22.5	19.7	20.9
24	8.7	5.4	7.1	14.8	12.9	13.8	21.2	19.5	20.3	22.5	19.9	21.1
25	9.1	6.6	7.9	15.1	13.6	14.3	20.7	18.6	19.6	22.0	18.2	20.1
26	12.7	9.1	11.1	14.0	11.2	12.7	21.0	19.7	20.3	21.0	19.6	20.4
27	13.8	12.7	13.2	13.5	9.9	11.8	21.2	19.9	20.5	22.3	19.3	20.6
28	14.2	12.3	13.3	14.2	10.2	12.4	21.7	19.8	20.7	21.5	18.0	19.8
29	---	---	---	14.2	13.2	13.7	20.7	19.0	19.5	21.7	18.4	20.0
30	---	---	---	13.6	13.0	13.4	19.1	17.0	18.0	21.1	19.3	20.2
31	---	---	---	14.2	13.0	13.5	---	---	---	21.8	20.0	20.8
MONTH	---	---	---	15.1	7.9	12.0	23.7	11.5	18.7	22.5	14.9	19.5
JUNE				JULY			AUGUST			SEPTEMBER		
1	22.4	20.3	21.2	23.5	22.5	23.0	25.8	24.7	25.2	24.9	21.1	23.0
2	22.1	21.1	21.6	24.5	23.3	23.8	25.8	24.6	25.2	24.1	20.9	22.7
3	21.8	20.5	21.0	24.9	23.7	24.3	28.1	24.7	26.3	24.1	22.1	23.1
4	23.0	21.5	22.1	25.0	23.7	24.3	27.1	23.6	25.4	24.5	22.0	23.3
5	23.5	22.3	22.9	24.8	23.8	24.3	26.5	22.9	24.7	25.9	22.2	24.0
6	23.8	22.3	23.0	25.5	24.0	24.7	26.5	22.8	24.7	25.1	23.0	24.1
7	23.4	22.1	22.8	25.2	24.2	24.7	26.7	22.9	24.9	25.2	22.9	24.0
8	23.3	21.9	22.6	24.6	23.6	24.0	26.7	23.7	25.2	25.5	22.7	24.0
9	23.5	21.9	22.7	26.1	24.1	25.0	27.2	24.8	26.0	25.2	22.9	23.8
10	23.1	21.9	22.4	26.5	24.5	25.5	26.2	24.3	25.2	23.9	20.5	22.3
11	23.4	21.9	22.6	26.1	24.4	25.1	27.0	24.9	25.8	22.7	18.9	20.9
12	23.2	22.4	22.8	25.1	23.6	24.2	28.0	25.3	26.6	23.0	19.3	21.1
13	23.1	22.4	22.8	24.9	22.8	23.8	28.3	25.5	26.9	23.5	20.1	21.9
14	23.0	22.3	22.7	24.7	22.3	23.5	27.6	25.4	26.5	23.9	21.3	22.4
15	23.0	22.3	22.6	25.3	22.5	23.7	26.1	22.7	24.3	21.9	18.5	20.4
16	23.4	22.1	22.7	24.2	22.3	23.1	25.4	21.9	23.7	21.2	18.1	19.7
17	23.8	21.7	22.7	23.1	22.3	22.7	25.7	22.4	24.0	20.1	16.6	18.5
18	22.8	20.2	21.5	23.7	22.7	23.1	25.8	22.1	24.0	19.7	16.0	18.0
19	22.9	20.7	21.8	24.1	23.3	23.6	26.2	22.9	24.6	21.3	18.0	19.6
20	23.0	20.0	21.5	24.4	23.2	23.7	26.1	23.3	24.8	22.8	20.3	21.4
21	22.8	19.7	21.3	24.9	23.4	24.1	25.3	22.2	24.0	22.2	19.7	20.9
22	23.7	20.1	21.9	25.0	23.8	24.4	24.9	21.8	23.4	19.7	16.9	18.2
23	22.8	21.4	22.1	25.0	24.1	24.5	25.2	22.5	23.9	17.8	14.2	16.2
24	22.5	21.9	22.1	24.8	23.9	24.3	25.8	23.6	24.5	17.8	14.1	16.0
25	22.5	21.6	21.9	24.9	24.1	24.4	24.9	23.5	24.1	18.2	14.2	16.3
26	22.8	22.3	22.5	25.1	24.2	24.6	25.9	23.0	24.3	19.1	15.7	17.6
27	23.3	22.6	22.9	25.0	24.1	24.5	25.6	22.4	24.1	21.6	18.6	20.0
28	24.1	22.9	23.4	25.0	24.0	24.5	25.7	22.7	24.1	22.1	20.9	21.5
29	24.2	23.7	23.9	25.4	24.4	24.8	25.9	22.3	24.1	21.8	19.7	21.3
30	24.1	23.4	23.6	25.7	24.5	25.1	26.2	22.3	24.2	19.7	17.0	18.3
31	---	---	---	25.8	24.8	25.3	24.1	21.0	22.8	---	---	---
MONTH	24.2	19.7	22.4	26.5	22.3	24.2	28.3	21.0	24.8	25.9	14.1	20.8

MOBILE RIVER BASIN

02464800 LAKE TUSCALOOSA NEAR TUSCALOOSA, AL

LOCATION.--Lat 33°16'02", long 87°30'22", in NW 1/4 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.--416 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1982 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 229.96 ft, Dec. 3, 1983; minimum elevation, 220.22 ft, Nov. 16, 1987.

EXTREMES FOR CURRENT WATER YEAR.--Maximum elevation, 227.15 ft, Jan. 31; minimum elevation, 221.22 ft, Sept. 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	222.65	222.66	223.39	224.02	226.55	224.19	223.99	223.67	223.49	223.83	223.26	222.27
2	222.61	222.67	223.38	224.02	225.42	224.11	224.00	223.63	223.56	223.74	223.23	222.23
3	222.60	222.70	223.38	224.38	224.79	224.47	223.95	223.60	223.75	223.67	223.19	222.18
4	222.67	222.70	223.37	224.35	224.46	224.57	223.91	223.56	223.71	223.60	223.13	222.15
5	222.66	222.68	223.38	224.15	224.25	224.37	223.88	223.56	223.63	223.55	223.09	222.12
6	222.64	222.66	223.37	224.01	224.11	224.32	223.85	223.83	223.56	223.52	223.04	222.09
7	222.76	222.63	223.38	223.94	224.02	224.30	223.83	224.19	223.52	223.49	223.00	222.06
8	223.01	222.67	223.42	223.93	223.98	224.19	223.82	224.08	223.48	223.52	222.96	222.04
9	223.07	222.73	223.42	224.16	223.92	224.24	223.79	223.91	223.45	223.55	222.92	222.03
10	223.06	222.85	223.42	224.33	223.88	224.29	223.77	223.79	223.43	223.54	222.90	222.00
11	223.05	223.06	223.49	224.24	223.85	224.21	223.74	223.70	223.41	223.54	222.90	221.95
12	223.05	223.13	223.59	224.10	223.84	224.10	223.70	223.64	223.39	223.57	222.87	221.90
13	223.04	223.16	223.71	224.00	223.80	224.16	223.66	223.61	223.39	223.54	222.85	221.87
14	223.02	223.34	223.72	223.99	223.76	224.80	223.62	223.58	223.41	223.50	222.83	221.84
15	223.00	223.52	223.68	224.06	223.73	224.79	223.68	223.54	223.46	223.47	222.78	221.79
16	222.97	223.56	223.63	224.08	223.71	224.51	223.80	223.51	223.46	223.45	222.75	221.73
17	222.95	223.55	223.59	224.02	223.80	224.29	223.79	223.49	223.45	223.51	222.72	221.67
18	222.93	223.52	223.54	224.03	223.88	224.16	223.74	223.48	223.42	223.50	222.70	221.62
19	222.93	223.50	223.56	224.01	223.86	224.05	223.68	223.46	223.38	223.48	222.67	221.58
20	222.92	223.49	223.56	223.96	223.83	223.98	223.65	223.44	223.36	223.47	222.64	221.54
21	222.89	223.47	223.56	223.91	223.80	223.97	223.62	223.42	223.34	223.45	222.61	221.53
22	222.87	223.44	223.60	223.91	223.74	223.93	223.60	223.40	223.31	223.43	222.57	221.47
23	222.82	223.44	223.67	225.50	223.71	223.88	223.58	223.40	223.29	223.40	222.55	221.41
24	222.79	223.44	224.45	225.81	223.71	223.86	223.58	223.39	223.37	223.38	222.53	221.36
25	222.77	223.42	224.82	225.02	223.69	223.89	223.60	223.37	223.86	223.39	222.52	221.32
26	222.76	223.42	224.46	224.53	223.68	223.87	223.59	223.37	224.03	223.39	222.52	221.29
27	222.74	223.41	224.20	224.26	223.71	223.83	223.62	223.36	224.24	223.38	222.50	221.27
28	222.72	223.40	224.35	224.10	224.07	223.79	223.70	223.34	224.28	223.35	222.46	221.25
29	222.70	223.40	224.74	224.07	---	223.77	223.74	223.32	224.08	223.33	222.43	221.29
30	222.69	223.39	224.48	225.19	---	223.75	223.71	223.37	223.93	223.31	222.39	221.29
31	222.68	---	224.21	226.85	---	223.84	---	223.46	---	223.28	222.32	---
MEAN	222.84	223.17	223.76	224.35	224.06	224.14	223.74	223.56	223.58	223.49	222.77	221.74
MAX	223.07	223.56	224.82	226.85	226.55	224.80	224.00	224.19	224.28	223.83	223.26	222.27
MIN	222.60	222.63	223.37	223.91	223.68	223.75	223.58	223.32	223.29	223.28	222.32	221.25
CAL YR 1998	MEAN 223.64		MAX 227.20		MIN 222.60							
WTR YR 1999	MEAN 223.43		MAX 226.85		MIN 221.25							

MOBILE RIVER BASIN

02464800 LAKE TUSCALOOSA NEAR TUSCALOOSA, AL--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1982 to September 1996.

WATER TEMPERATURES: October 1982 to September 1996.

INSTRUMENTATION.--Water-quality monitor since October 1982.

REMARKS.--Miscellaneous samples of chemical data published for water year 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 100 microSiemens, Jan. 18, 19, 1995; minimum, 33 microSiemens, July 6, 1983.

pH: Maximum, 7.8 units, June 13, 14, 18, 1986; 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	GAGE HEIGHT (FEET) (00065)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN 03...	0815	25.6	--	--	223.60	3.12	72	74	7.8	--
AUG 04...	0930	32.7	28.6	760	--	4.30	86	45	5.7	79
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	NITRO- GEN, TOTAL (MG/L AS N) (00600)
JUN 03...	6.7	6.9	0	10	8	E45	K7	2.30	--	--
AUG 04...	6.7	6.9	0	12	10	K2	<1	<.100	<.100	.29
DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)
JUN 03...	--	<.010	<.010	<.20	.100	--	--	<.020	1.6	<.010
AUG 04...	.20	.010	<.010	.21	.080	.01	1.3	<.020	2.4	<.010
DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
JUN 03...	20	12	3.7	2.6	4.6	.4	32	1.0	3.3	15
AUG 04...	19	10	3.5	2.6	5.7	.6	37	1.1	3.9	17
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
JUN 03...	<.10	6.3	7.5	70	12	34	16	52	41	.07
AUG 04...	<.10	5.9	8.3	50	8.9	72	34	51	46	.07

MOBILE RIVER BASIN

02465000 BLACK WARRIOR RIVER AT OLIVER LOCK AND DAM AT NORTHPORT, AL
(Formerly published as Black Warrior River at Northport)

LOCATION.--Lat 33°12'33", long 87°35'24", in NW¹/₄ sec. 21, T. 21 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, on upstream guidewall of "new" Oliver Lock and Dam, 0.5 mi upstream from Mill Creek, 0.9 mi downstream from Illinois Central Gulf Railroad bridge, 1.7 mi downstream from Two Mile Creek, 5.9 mi downstream from North River, and at mile 125.9.

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.

GAGE.--Water-stage recorder. Datum of gage is 83.35 ft above sea level. 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. Aug. 8, 1974 to Sept. 30, 1991, water-stage recorder at loading dock of Alabama State Dock facility, 0.4 mi upstream at same datum. 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. 19 to Apr. 13. Water-discharge records fair except 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, and Holt Lock and Dam on Black Warrior River, usable capacity 115,000 acre-ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2150	318	2260	7650	e80000	e17000	e9000	2930	3400	15100	3450	1960
2	1500	258	2350	7400	e44000	e11500	e12500	4510	5000	10300	1790	1390
3	388	1090	491	24700	e32000	e16000	e11500	701	5090	8030	2170	2320
4	366	267	321	15600	e23000	e19000	e11000	1650	3630	4040	2540	339
5	1740	206	595	11900	e20000	e16000	e10500	396	3740	4070	3080	283
6	2370	1030	277	11100	e18000	e14000	e11000	17100	3000	3710	2260	2780
7	3970	330	935	7680	e12000	e18000	e10000	23900	4260	4510	286	1550
8	4580	1540	343	7560	e15000	e15000	e9800	13000	4540	6210	208	2190
9	489	607	860	12200	e10500	e19000	e9700	11000	4270	3500	1980	1480
10	393	381	460	11900	e10000	e17000	e10000	10700	3330	3240	2400	2340
11	282	536	468	13000	e10400	e12000	e6000	10800	2640	2990	2170	257
12	1360	232	2440	10900	e10500	e17000	e6000	9950	2170	6570	2140	236
13	276	235	6030	7790	e10300	e30000	e5800	4480	1270	4530	3050	1730
14	243	5810	2910	8460	e10000	e50000	5060	6660	3380	3980	904	1620
15	1030	4720	2600	13800	e9800	e27000	6250	6560	3710	3780	180	2050
16	295	3700	2450	12600	e9700	e23000	6720	3690	3100	3480	1820	2090
17	2920	3190	489	11700	e10500	e13000	3260	997	3500	4080	905	1790
18	2740	635	2650	14900	e14000	e14000	5260	258	3550	2200	2740	236
19	646	355	453	e8900	e18000	e16000	4470	228	2180	1350	2470	214
20	858	2480	401	e10800	e12000	e13500	2870	244	280	3660	1600	2410
21	277	492	1540	e11500	e11000	e13000	2580	4140	2350	3050	292	1190
22	296	301	3170	e11200	e10500	e12500	3080	3250	2390	2950	236	1580
23	283	363	2870	e65000	e10200	e12000	4340	526	2620	2580	2220	1010
24	294	315	31200	e70000	e10000	e11000	3950	2880	3220	1320	2970	1550
25	297	368	23900	e42000	e9700	e11000	661	1920	3710	2150	2120	1750
26	259	246	14100	e30700	e9600	e10500	3900	439	7000	3350	2160	258
27	290	295	8020	e25000	e9300	e9000	4520	2350	7000	3110	2170	3070
28	245	219	14400	e18500	e15000	e5000	6990	2520	18600	2740	400	1600
29	346	345	20900	e15000	---	e5000	7950	368	37300	3560	216	2200
30	1200	2650	14000	e45000	---	e5200	6100	1280	25000	2910	2050	608
31	327	---	11400	e85000	---	e6000	---	1640	---	3200	1910	---
TOTAL	32710	33514	175283	649440	465000	478200	200761	151067	175230	130250	54887	44081
MEAN	1055	1117	5654	20950	16610	15430	6692	4873	5841	4202	1771	1469
MAX	4580	5810	31200	85000	80000	50000	12500	23900	37300	15100	3450	3070
MIN	243	206	277	7400	9300	5000	661	228	280	1320	180	214
CFM	.22	.23	1.17	4.35	3.45	3.20	1.39	1.01	1.21	.87	.37	.30
IN.	.25	.26	1.35	5.01	3.59	3.69	1.55	1.17	1.35	1.01	.42	.34

MOBILE RIVER BASIN

02465000 BLACK WARRIOR RIVER AT OLIVER LOCK AND DAM AT NORTHPORT, AL--Continued
(Formerly published as Black Warrior River at Northport)

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 1999, BY WATER YEAR (WY)

MEAN	2190	4144	8423	14960	16960	18820	13520	6657	3652	3388	2383	2013
MAX	17330	39740	35810	39310	44360	52890	52940	28520	30320	22680	8603	7881
(WY)	1933	1930	1933	1949	1990	1897	1900	1991	1900	1940	1941	1979
MIN	93.4	115	858	1154	3903	3626	1236	1010	303	288	361	139
(WY)	1898	1898	1944	1956	1898	1898	1986	1941	1898	1952	1953	1954

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1895 - 1999	
ANNUAL TOTAL	3331024		2590423			
ANNUAL MEAN	9126		7097		7969	
HIGHEST ANNUAL MEAN					13140	1949
LOWEST ANNUAL MEAN					3305	1988
HIGHEST DAILY MEAN	141000	Jan 8	85000	Jan 31	233000	Apr 13 1979
LOWEST DAILY MEAN	206	Nov 5	180	Aug 15	20	Oct 16 1987
ANNUAL SEVEN-DAY MINIMUM	281	Oct 22	281	Oct 22	46	Jul 23 1952
INSTANTANEOUS PEAK FLOW			116000	Jan 31	272000	Apr 13 1979
INSTANTANEOUS PEAK STAGE			e 52.20	Jan 31	67.70	Apr 18 1900
ANNUAL RUNOFF (CFSM)	1.89		1.47		1.65	
ANNUAL RUNOFF (INCHES)	25.71		19.99		22.46	
10 PERCENT EXCEEDS	22100		16000		19100	
50 PERCENT EXCEEDS	3210		3240		3350	
90 PERCENT EXCEEDS	329		297		480	

e Estimated

MOBILE RIVER BASIN

02465000 BLACK WARRIOR RIVER AT OLIVER LOCK AND DAM AT NORTHPORT, AL--Continued
(Formerly published as Black Warrior River at Northport)

SUSPENDED SEDIMENT PERIOD OF RECORD.--Water years 1979-81, 1983-91, 1993-96, 1999.

SUSPENDED SEDIMENT DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
MAY					
06...	1110	16.0	10900	50	1470
06...	1120	33.0	10900	21	618
06...	1135	50.0	10900	6	188
06...	1140	66.0	10900	7	203
06...	1145	83.0	10900	10	291

MOBILE RIVER BASIN

02465005 BLACK WARRIOR RIVER BELOW OLIVER LOCK AND DAM AT TUSCALOOSA, AL

LOCATION.--Lat 33°12'28", long 87°35'36", in NW¹/₄ sec. 21, T. 21 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, on downstream side of Oliver Lock and Dam at Tuscaloosa, 0.4 mi upstream from Mill Creek, 1.0 mi downstream from Illinois Central Gulf Railroad bridge, and at mile 125.8.

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 sea level (levels by U.S. Army Corps of Engineers). April 19, 1944 to June 19, 1991, water-stage recorder 0.3 mi upstream on downstream side of "old" Oliver Lock and Dam at present datum. Prior to April 19, 1944, nonrecording gage at former site at present 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, 46.58 ft, Feb. 1; minimum, 13.00 ft, Oct. 29.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY OBSERVATION AT 07:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.76	13.20	13.97	19.94	46.58	22.95	18.18	15.01	13.79	25.58	13.92	13.44
2	13.84	13.21	13.86	14.83	41.47	20.86	21.38	14.12	14.19	20.99	13.83	13.56
3	13.48	13.27	14.05	26.65	35.40	21.93	20.35	14.53	15.11	17.25	13.54	13.58
4	13.65	13.41	13.41	24.03	31.02	26.01	20.21	13.62	14.97	15.63	13.64	13.57
5	13.34	13.46	13.56	21.59	28.09	24.82	19.80	13.85	14.34	14.16	13.84	13.42
6	13.62	13.30	13.64	20.47	25.18	21.77	19.97	15.77	14.34	14.56	13.83	13.41
7	13.86	13.50	13.70	17.96	22.95	24.53	19.70	27.30	13.88	14.05	13.60	13.79
8	16.17	13.56	13.71	16.39	22.59	22.66	19.49	22.69	14.45	14.88	13.43	13.66
9	14.89	13.91	13.53	19.81	20.55	24.60	19.58	20.70	14.54	14.66	13.32	13.90
10	13.90	13.63	13.61	20.52	20.33	25.26	19.59	19.83	14.34	14.24	13.65	13.44
11	13.72	13.74	13.53	21.85	19.98	21.48	17.33	19.52	13.99	14.15	13.75	13.60
12	13.67	13.74	13.84	20.18	20.02	22.60	16.92	19.27	13.79	14.45	13.63	13.40
13	13.66	13.50	14.06	17.80	20.06	21.32	15.61	15.93	13.70	14.69	13.61	13.32
14	13.52	13.82	14.95	17.00	19.51	34.34	15.21	15.28	13.52	14.61	13.89	13.57
15	13.51	17.43	13.97	19.70	19.26	31.96	17.15	15.66	14.06	14.21	13.49	13.52
16	13.60	14.87	13.63	21.30	19.24	27.99	14.88	14.95	14.39	14.09	13.31	13.75
17	13.54	14.12	13.81	20.80	19.44	23.63	15.44	14.96	13.79	14.36	13.70	13.52
18	13.97	14.02	13.40	20.00	21.32	22.71	14.43	13.65	14.29	14.52	13.55	13.47
19	13.78	13.51	13.65	17.90	23.55	22.43	14.60	13.46	13.91	13.52	13.75	13.28
20	13.66	13.64	13.54	19.54	21.32	21.85	14.91	13.43	13.61	13.56	13.69	13.18
21	13.81	13.81	13.54	19.83	20.33	21.11	14.06	13.45	13.43	14.27	13.65	13.63
22	13.46	13.54	13.81	19.85	19.89	21.28	13.88	14.77	13.86	14.04	13.39	13.50
23	13.40	13.67	13.96	37.34	19.84	20.40	14.11	14.22	13.80	13.83	13.32	13.59
24	13.29	13.52	19.78	45.07	19.74	20.01	14.66	13.51	14.74	13.65	13.54	13.61
25	13.24	13.71	29.60	39.64	19.49	20.09	14.53	14.15	14.37	13.83	13.98	13.66
26	13.23	13.60	24.45	33.94	19.20	20.65	13.51	13.81	14.90	13.89	13.73	13.72
27	13.16	13.51	18.76	28.25	19.32	19.08	14.53	13.39	15.30	14.09	13.60	13.40
28	13.13	13.62	17.45	25.34	20.21	15.55	14.66	13.81	18.35	13.77	13.66	13.94
29	13.00	13.53	26.20	22.17	---	15.52	18.03	13.89	33.11	13.86	13.46	13.73
30	13.16	13.53	23.32	31.68	---	15.21	14.85	13.35	33.10	13.87	13.29	13.84
31	13.30	---	20.99	45.15	---	14.42	---	13.74	---	13.75	13.52	---
MEAN	13.66	13.76	16.04	24.08	23.42	22.23	16.72	15.67	15.60	14.87	13.62	13.57
MAX	16.17	17.43	29.60	45.15	46.58	34.34	21.38	27.30	33.11	25.58	13.98	13.94
MIN	13.00	13.20	13.40	14.83	19.20	14.42	13.51	13.35	13.43	13.52	13.29	13.18
CAL YR 1998	MEAN 18.22		MAX 53.88		MIN 13.00							
WTR YR 1999	MEAN 16.90		MAX 46.58		MIN 13.00							

MOBILE RIVER BASIN

02465493 ELLIOTTS CREEK AT MOUNDVILLE, AL

LOCATION.--Lat 32°59'50", long 87°37'20", in SW¹/₄ 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 sea level.

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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	19	24	38	286	56	99	35	21	87	18	16
2	25	20	24	59	157	43	63	29	24	57	18	13
3	35	24	24	99	117	81	51	26	43	41	17	12
4	123	24	24	71	91	65	47	25	36	35	18	12
5	50	22	24	47	75	45	43	27	25	31	17	24
6	31	21	24	43	65	51	41	36	22	29	17	24
7	100	21	25	47	61	57	40	39	20	29	17	23
8	595	26	35	54	57	44	40	31	19	55	17	23
9	131	36	42	62	52	64	42	26	20	56	17	34
10	63	43	33	53	50	68	38	23	20	36	19	27
11	46	74	45	43	47	48	35	23	20	33	18	15
12	38	48	55	39	46	43	32	22	21	41	17	13
13	33	29	53	37	43	79	30	23	23	36	17	12
14	30	81	44	38	39	166	29	22	26	31	16	12
15	28	104	36	44	38	118	78	22	24	28	16	12
16	25	56	32	37	38	69	54	21	23	36	16	11
17	23	37	30	35	46	57	37	21	23	78	16	11
18	23	33	29	37	60	52	32	21	21	51	16	11
19	23	31	31	36	54	48	30	21	19	32	16	11
20	23	30	33	33	42	46	29	20	18	27	15	12
21	23	30	32	32	39	53	28	20	18	24	15	13
22	21	29	34	45	37	47	28	19	17	22	15	12
23	20	28	38	222	36	41	27	20	18	20	15	12
24	20	29	97	151	36	40	27	19	29	20	15	12
25	21	28	102	67	35	84	29	19	48	33	18	11
26	20	27	57	52	35	106	29	19	43	48	21	11
27	20	27	45	46	39	59	32	20	149	26	19	12
28	20	25	63	43	65	47	33	20	579	21	18	12
29	20	25	72	64	---	44	36	19	124	20	17	17
30	20	24	53	589	---	46	40	19	77	19	17	20
31	20	---	42	846	---	76	---	21	---	18	16	---
TOTAL	1706	1051	1302	3109	1786	1943	1199	728	1570	1120	524	460
MEAN	55.0	35.0	42.0	100	63.8	62.7	40.0	23.5	52.3	36.1	16.9	15.3
MAX	595	104	102	846	286	166	99	39	579	87	21	34
MIN	20	19	24	32	35	40	27	19	17	18	15	11
CFSM	1.70	1.08	1.30	3.10	1.97	1.94	1.24	.73	1.62	1.12	.52	.47
IN.	1.96	1.21	1.50	3.58	2.06	2.24	1.38	.84	1.81	1.29	.60	.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1999, BY WATER YEAR (WY)

MEAN	27.6	34.7	43.0	61.9	73.5	73.0	62.5	37.3	27.1	26.5	19.6	21.4
MAX	55.0	53.7	87.4	118	256	169	177	114	52.3	65.5	29.3	40.8
(WY)	1999	1980	1984	1998	1990	1977	1979	1983	1999	1997	1985	1977
MIN	14.7	18.7	20.9	25.7	22.0	20.1	19.4	12.8	7.39	12.5	8.07	11.9
(WY)	1993	1979	1988	1988	1988	1988	1986	1988	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1977 - 1999	
ANNUAL TOTAL	19155		16498			
ANNUAL MEAN	52.5		45.2		42.2	
HIGHEST ANNUAL MEAN					69.3	
LOWEST ANNUAL MEAN					16.8	
HIGHEST DAILY MEAN	633	Jan 7	846	Jan 31	2670	Feb 16 1990
LOWEST DAILY MEAN	15	Sep 9	11	Sep 16-19, 25, 26	5.8	Aug 16 1988
ANNUAL SEVEN-DAY MINIMUM	16	Sep 6	11	Sep 13	6.3	Aug 14 1988
INSTANTANEOUS PEAK FLOW			1450	Jan 30	6200	Feb 16 1990
INSTANTANEOUS PEAK STAGE			7.26	Jan 30	8.80	Feb 16 1990
ANNUAL RUNOFF (CFSM)	1.62		1.40		1.31	
ANNUAL RUNOFF (INCHES)	22.06		19.00		17.74	
10 PERCENT EXCEEDS	96		70		77	
50 PERCENT EXCEEDS	32		31		28	
90 PERCENT EXCEEDS	18		17		14	

MOBILE RIVER BASIN

02466030 BLACK WARRIOR RIVER AT SELDEN LOCK AND DAM NEAR EUTAW, AL

LOCATION.--Lat 32°46'40", long 87°50'26", in SE 1/4 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. Prior to October 1984, published as Black Warrior River at Warrior Lock and Dam, near Eutaw. Prior to October 1998, published at gage datum 50.00 ft above sea level.

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

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: July 22-27. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2070	965	3100	13100	63200	17900	12000	6350	3130	27700	4010	2080
2	3600	997	2430	8230	66500	16100	15300	3950	5160	18600	3330	1900
3	1740	963	2870	18000	55300	18100	13600	4480	6600	11800	2330	2260
4	1970	952	1280	22900	35300	25200	13100	1650	5790	8640	2430	2130
5	2630	934	1000	18100	31200	22300	12400	2600	4580	4140	3310	1070
6	2830	984	989	14300	24800	18500	12500	5520	4350	5310	3360	1610
7	4590	971	1150	10500	19500	20600	12200	21400	3840	4740	2050	2570
8	9990	1190	2100	9280	17900	18200	11800	20600	4880	6290	1000	2410
9	8970	2560	1120	11900	15300	19400	11800	15500	5120	6200	1030	3770
10	4180	1820	2020	14800	13500	20200	11700	12400	4240	4680	2000	2170
11	1690	1990	1340	15000	12800	17400	10000	11500	3760	3910	3550	2310
12	2390	2380	3020	14200	13300	16400	9740	11000	3100	6460	2820	1000
13	2080	1020	3450	11100	13200	17500	7930	8240	2460	5850	2890	1010
14	1000	4490	6380	9390	11900	34200	6830	5610	2460	5190	3220	2030
15	1130	8750	3600	12400	11400	42100	8270	7260	4060	4710	1130	1800
16	2040	6280	2360	14400	11500	34500	7220	5540	4670	3840	951	2820
17	1310	5030	2610	14000	11900	23800	7390	4490	3440	4790	1880	2400
18	3700	3340	1580	12500	15100	18800	5080	1160	4280	5460	1770	1740
19	2630	1220	1630	11000	18900	17400	6680	1000	3980	2150	3340	966
20	956	2530	1560	11300	16300	17000	4850	967	1710	2380	2510	1030
21	2200	2630	1610	12100	13600	14400	3690	1450	1250	4390	1670	2320
22	968	954	3730	12200	12900	14700	3450	4800	2780	e3880	1020	1640
23	1020	1430	3910	31000	12100	14100	4350	3300	2530	e3490	1250	1570
24	965	1730	13500	50400	12000	12500	5380	1240	5360	e2570	2260	1620
25	947	1830	31300	63300	11900	13500	4890	3950	4040	e2980	3460	1680
26	1030	1000	25400	52300	11500	15900	2030	2350	7440	e3860	2830	2160
27	962	972	15800	36100	11500	13200	6010	1180	10700	e4940	2530	1510
28	978	1130	11700	26500	13400	7790	6550	2950	18300	3410	2300	3410
29	993	1700	21000	19800	---	7560	9540	3030	30600	3870	1030	2410
30	976	1750	20900	36200	---	7610	6950	965	35400	3990	1210	2800
31	1020	---	16200	59000	---	7490	---	2180	---	3340	2270	---
TOTAL	73555	64492	210639	665300	577700	564350	253230	178612	200010	183560	70741	60196
MEAN	2373	2150	6795	21460	20630	18200	8441	5762	6667	5921	2282	2007
MAX	9990	8750	31300	63300	66500	42100	15300	21400	35400	27700	4010	3770
MIN	947	934	989	8230	11400	7490	2030	965	1250	2150	951	966
CFSM	.41	.37	1.17	3.69	3.55	3.13	1.45	.99	1.15	1.02	.39	.35
IN.	.47	.41	1.35	4.26	3.70	3.61	1.62	1.14	1.28	1.18	.45	.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1999, BY WATER YEAR (WY)

	MEAN	3516	5957	10570	17020	18290	20820	16600	9182	5807	5042	3321	3159
MAX	14570	15810	32860	33170	53820	58420	53430	39410	24990	19450	6184	7478	
(WY)	1978	1978	1984	1998	1990	1980	1979	1991	1997	1989	1985	1979	
MIN	576	924	2895	3101	6589	4289	1760	1407	1520	1964	1860	1654	
(WY)	1988	1982	1988	1981	1986	1988	1986	1988	1988	1988	1988	1984	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1977 - 1999
ANNUAL TOTAL	4029632	3102385	
ANNUAL MEAN	11040	8500	9899
HIGHEST ANNUAL MEAN			14990
LOWEST ANNUAL MEAN			3644
HIGHEST DAILY MEAN	94900	66500	222000
LOWEST DAILY MEAN	802	934	317
ANNUAL SEVEN-DAY MINIMUM	967	967	509
INSTANTANEOUS PEAK FLOW		74000	222000
INSTANTANEOUS PEAK STAGE		99.67	108.87
ANNUAL RUNOFF (CFSM)	1.90	1.46	1.70
ANNUAL RUNOFF (INCHES)	25.80	19.86	23.15
10 PERCENT EXCEEDS	29300	18800	23000
50 PERCENT EXCEEDS	4320	4140	5270
90 PERCENT EXCEEDS	1040	1030	1120

e Estimated

MOBILE RIVER BASIN

02466040 BLACK WARRIOR RIVER BELOW SELDEN LOCK NEAR SAWYERVILLE, AL

LOCATION.--Lat 32°46'10", long 87°49'40", in N¹/₂ 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). Prior to October 1984, published as Black Warrior River below Warrior Lock and Dam, near Sawyerville. Unpublished records from October 1957 to September 1971 available in files of U.S. Army Corps of Engineers. Prior to October 1993, published at gage datum 59.76 ft above sea level.

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

GAGE.--Nonrecording gage. Datum of gage is at sea level (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, 106.76 ft, Apr. 16, 1979; minimum gage height, 73.16 ft, Oct. 10, 1984, Oct. 8, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 25, 1961 reached a stage of 109.86 ft (from files of U.S. Army Corps of Engineers). A minimum gage height of 73.06 ft was reached Aug. 10, 1960 (from file of U.S. Army Corps of Engineers).

EXTREMES (0700) FOR CURRENT YEAR.--Maximum gage height, 99.26 ft, Feb. 3; minimum, 73.32 ft, Aug. 17.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY OBSERVATION AT 07:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73.87	73.81	74.20	80.25	96.90	80.09	77.97	77.01	74.66	87.11	74.02	73.79
2	74.71	73.69	74.59	78.88	98.73	80.05	79.12	75.86	74.86	83.64	74.09	73.75
3	74.43	73.65	74.46	78.64	99.26	79.89	79.69	75.71	75.76	80.24	74.16	73.79
4	73.89	73.76	74.25	82.00	98.28	83.22	78.93	74.70	75.52	77.83	73.71	73.77
5	74.32	73.91	73.84	82.23	95.65	83.94	78.95	74.81	75.49	76.15	73.78	73.71
6	74.77	73.83	73.79	80.23	89.87	82.30	79.07	74.50	74.96	75.76	74.05	73.78
7	74.65	73.76	74.01	79.38	84.79	81.26	78.92	78.73	74.91	75.32	73.81	73.79
8	76.79	73.72	74.17	78.08	82.20	81.93	78.87	83.16	75.04	75.91	73.77	74.04
9	77.19	74.35	74.27	77.99	81.05	81.02	78.72	80.99	75.27	76.41	73.76	74.21
10	75.13	73.97	74.87	79.36	79.73	81.92	78.66	79.47	75.31	75.71	73.79	73.79
11	74.37	75.04	74.11	80.39	79.08	82.27	78.20	79.18	75.40	75.59	73.73	73.78
12	74.28	74.51	74.67	80.35	79.37	80.74	77.22	78.05	75.12	75.23	74.12	73.77
13	74.12	74.01	75.61	79.52	79.24	80.79	77.04	77.82	74.76	76.50	73.77	73.78
14	73.91	74.06	77.22	78.27	78.96	80.42	76.47	75.97	74.74	75.58	73.77	73.76
15	73.94	76.51	77.48	78.24	78.16	86.60	75.78	76.00	75.08	75.47	73.80	73.74
16	74.18	76.22	76.12	79.66	78.09	88.84	76.85	76.15	75.14	75.47	73.41	73.75
17	73.77	75.69	76.21	79.66	78.04	86.40	77.23	75.31	75.18	75.10	73.32	73.77
18	74.65	75.42	76.06	78.91	78.85	83.23	76.18	74.69	74.96	75.31	73.39	73.77
19	74.55	74.39	75.12	78.78	80.56	81.52	76.39	74.18	75.05	74.93	73.39	73.74
20	73.93	74.37	74.93	77.83	80.62	81.52	75.67	73.91	74.51	74.55	74.06	73.66
21	73.91	74.79	74.82	78.07	79.66	80.11	75.51	73.99	74.08	74.86	73.78	73.75
22	73.87	74.08	74.73	78.11	78.71	79.65	76.08	74.89	74.44	75.12	73.78	73.84
23	73.91	74.01	75.73	80.11	78.40	79.58	75.05	74.77	74.34	74.83	73.77	73.78
24	73.69	73.91	75.64	89.51	77.98	79.08	75.45	74.89	74.63	74.65	73.79	73.79
25	73.69	74.12	83.41	92.63	78.20	78.87	75.92	74.47	76.05	74.53	74.45	73.81
26	73.69	74.10	85.18	90.43	77.96	80.17	76.52	74.40	76.43	74.98	73.73	74.16
27	73.66	73.83	82.16	86.61	77.86	79.86	77.36	74.20	78.26	74.96	73.81	73.79
28	73.70	74.07	79.02	85.35	78.44	78.13	77.48	74.40	79.60	75.16	73.79	74.30
29	73.70	73.92	80.20	84.68	---	76.63	77.59	74.48	82.36	73.99	73.79	74.06
30	73.79	73.93	83.01	84.80	---	76.99	78.18	74.24	86.39	74.10	73.75	74.28
31	73.82	---	81.62	93.29	---	76.34	---	74.79	---	74.93	73.79	---
MEAN	74.29	74.31	76.63	81.69	83.02	81.08	77.37	75.99	75.94	76.13	73.80	73.85
MAX	77.19	76.51	85.18	93.29	99.26	88.84	79.69	83.16	86.39	87.11	74.45	74.30
MIN	73.66	73.65	73.79	77.83	77.86	76.34	75.05	73.91	74.08	73.99	73.32	73.66
CAL YR 1998	MEAN 77.97		MAX 101.38		MIN 73.65							
WTR YR 1999	MEAN 76.98		MAX 99.26		MIN 73.32							

MOBILE RIVER BASIN

02467000 TOMBIGBEE RIVER AT DEMOPOLIS LOCK AND DAM NEAR COATOPA, AL

LOCATION.--Lat 32°31'15", long 87°52'39", in NW 1/4 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 at sea level (levels by U.S. Army Corps of Engineers). Gage-height records published prior to Oct. 1, 1997 are at datum 56.00 ft above sea level. 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.--Estimated daily discharges: Feb. 9-11, 14-17. Records good 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. Records since Jan. 16, 1985, include diversions from Tennessee River basin through Bay Springs lock on Tennessee-Tombigbee Waterway.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2580	1850	3760	47200	167000	42200	28600	24700	6780	65300	4870	2570
2	4060	1840	5440	39400	171000	39400	31000	15800	7820	53600	5080	2340
3	3100	1960	4870	46500	175000	44700	30400	12900	11200	35000	3500	2090
4	4590	2460	3620	62600	169000	67700	29000	8620	11200	23400	3060	2780
5	4510	1950	2230	53200	152000	69900	35800	8850	10100	12500	3450	1830
6	4840	1690	3400	42900	109000	57100	34600	14500	7860	11200	4250	1590
7	8020	1700	2810	36800	72900	56400	37600	47800	7920	11400	3800	2730
8	14300	2350	4820	29600	55100	54200	35500	57700	6890	16700	1990	2610
9	13100	4560	4820	33200	e49500	50100	33100	50500	6880	18300	1750	4270
10	7920	3700	5040	53700	e45000	60200	30100	47300	7660	15000	1860	3850
11	5370	7010	6090	57100	e40000	58600	25500	36500	6550	11800	2930	3240
12	4270	4950	11000	49500	35300	47800	21000	26000	5970	15800	3230	1760
13	3510	4580	25900	44300	32400	45900	17900	20500	5580	20000	3710	1550
14	3480	6000	42800	38100	e30000	74400	15000	14800	4820	14900	4060	1800
15	2340	14300	32600	37600	e28000	99900	17400	13800	10200	11200	2330	2080
16	2560	14500	26800	38500	e29500	102000	26100	13000	9100	8560	1560	2550
17	2100	12500	27200	34800	e30500	88100	24300	11000	8100	9010	1600	2650
18	4110	9530	19100	32600	32400	70900	20300	7600	7920	7960	2000	2300
19	4590	7020	9720	31400	35200	52500	18100	4720	5940	6320	2860	1790
20	3060	4820	8540	28100	35400	42500	14100	4070	4700	5100	3230	1330
21	2880	6270	7300	27800	30900	36200	11600	3570	3050	6160	2220	2100
22	3080	4060	10500	25700	27100	33700	9620	7380	3550	6490	1630	1970
23	2320	3390	15500	59800	23800	31600	10100	8130	3910	5650	1200	1670
24	1850	4350	27400	109000	23300	28600	10900	4910	9690	4860	2080	1800
25	1670	3930	64700	133000	22100	31500	23600	6470	20600	4850	3310	1970
26	1690	3310	70400	143000	21400	39900	36000	5550	29900	5620	3580	2530
27	1570	2970	53800	145000	21700	36100	35600	4730	37900	7220	3130	1760
28	1790	3190	44600	136000	30800	25500	38400	4770	50700	5990	2830	3040
29	2170	2620	58500	105000	---	21300	35600	5070	54900	5130	1880	3490
30	1960	2860	71700	101000	---	20700	32900	5860	57000	6180	1430	4900
31	2320	---	57300	144000	---	22100	---	5840	---	5870	2050	---
TOTAL	125710	146220	732260	1966400	1695300	1551700	769720	502940	424390	437070	86460	72940
MEAN	4055	4874	23620	63430	60550	50050	25660	16220	14150	14100	2789	2431
MAX	14300	14500	71700	145000	175000	102000	38400	57700	57000	65300	5080	4900
MIN	1570	1690	2230	25700	21400	20700	9620	3570	3050	4850	1200	1330
CFSM	.26	.32	1.54	4.12	3.94	3.25	1.67	1.05	.92	.92	.18	.16
IN.	.30	.35	1.77	4.75	4.10	3.75	1.86	1.22	1.03	1.06	.21	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1999, BY WATER YEAR (WY)

	MEAN	6020	11540	25490	42450	48440	52780	44680	23700	11480	9927	6068	5493
MAX	52420	77380	94200	111800	133200	117200	125700	138300	66540	65730	19270	32340	
(WY)	1933	1930	1962	1949	1990	1980	1979	1991	1997	1940	1967	1950	
MIN	804	1499	2992	3296	10830	12810	4772	3714	1838	1414	763	800	
(WY)	1956	1932	1944	1956	1934	1988	1986	1988	1941	1954	1954	1954	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1928 - 1999

ANNUAL TOTAL	9751010	8511110		
ANNUAL MEAN	26720	23320		
HIGHEST ANNUAL MEAN			23880	
LOWEST ANNUAL MEAN			46570	1983
HIGHEST DAILY MEAN	178000	Jan 12	338000	Apr 18 1979
LOWEST DAILY MEAN	1570	Oct 27	* 50	Aug 1 1954
ANNUAL SEVEN-DAY MINIMUM	1810	Oct 24	* 51	Jul 31 1954
INSTANTANEOUS PEAK FLOW			343000	Apr 18 1979
INSTANTANEOUS PEAK STAGE			93.03	Apr 18 1979
ANNUAL RUNOFF (CFSM)	1.74		1.52	
ANNUAL RUNOFF (INCHES)	23.58		20.58	
10 PERCENT EXCEEDS	77400	56600	66900	
50 PERCENT EXCEEDS	11600	9690	10300	
90 PERCENT EXCEEDS	2610	2080	2290	

* Results of closure of and storage above Demopolis Lock and Dam during construction.

e Estimated

MOBILE RIVER BASIN

02467001 TOMBIGBEE RIVER BELOW DEMOPOLIS LOCK AND DAM NEAR COATOPA, AL

LOCATION.--Lat 32°31'15", long 87°52'48", in NW¹/₄ 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.

PERIOD OF RECORD.--July 1951 to September 1983, October 1984 to current year (gage heights only). October 1971 to September 1983, October 1984 to current year in reports of Geological Survey. July 1951 to September 1971 in files of U.S. Army Corps of Engineers.

REVISED RECORDS.--WDR AL-85-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at sea level. Records prior to Oct. 1, 1997 published at datum 20.00 ft above sea level. Prior to Oct. 20, 1992, nonrecording gage at same site and at datum 20.00 ft above sea level.

REMARKS.--Records since Jan. 16, 1985, include diversions from Tennessee River basin through Bay Springs lock on Tennessee-Tombigbee Waterway.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 92.3 ft, Apr. 19, 1979; minimum, 30.9 ft, Oct. 4, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 80.01 ft, Feb. 3; minimum, 32.11 ft, Sept. 16.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.26	32.83	33.34	50.69	77.90	47.82	43.18	42.58	34.35	54.59	33.55	33.04
2	33.43	32.90	33.74	47.92	79.25	48.08	44.56	39.12	34.75	53.00	33.66	33.18
3	33.22	32.98	33.39	48.81	79.83	48.54	44.48	37.32	36.08	47.56	33.19	32.96
4	33.62	32.88	33.42	53.49	79.65	54.43	43.75	35.63	36.26	42.36	33.13	33.20
5	33.44	32.83	32.81	52.60	78.07	56.91	45.29	35.19	35.76	37.94	33.15	33.05
6	33.62	32.87	33.26	49.32	74.36	54.67	45.78	36.48	34.98	36.25	33.50	32.95
7	34.37	32.88	32.99	46.92	68.49	53.20	46.19	46.83	34.83	36.07	33.40	33.15
8	37.30	33.01	33.49	44.31	62.30	52.88	46.13	52.30	34.54	38.01	33.00	33.17
9	36.91	33.49	33.50	44.21	56.00	51.62	45.14	51.14	34.39	38.97	32.70	33.47
10	35.15	33.18	33.43	49.75	50.80	54.11	44.23	50.07	34.64	37.90	32.80	33.48
11	33.80	34.27	33.76	52.61	47.59	54.58	42.64	47.30	34.42	36.92	33.00	33.21
12	33.48	33.59	35.37	51.03	46.62	51.63	40.63	43.23	33.99	37.40	33.40	32.96
13	33.12	33.47	39.85	49.28	45.59	49.98	39.35	40.69	33.99	39.64	33.54	33.00
14	33.06	33.84	46.10	47.32	45.40	57.28	38.20	38.43	33.70	37.88	33.60	32.91
15	32.88	36.45	45.12	46.37	45.00	64.01	38.46	37.50	35.34	36.66	33.03	32.88
16	32.89	37.46	42.33	46.98	43.00	65.77	41.79	37.28	35.29	35.31	32.89	32.65
17	32.87	36.75	42.15	45.91	42.50	64.18	41.78	36.33	34.86	35.35	33.06	33.01
18	33.33	35.76	40.15	45.04	43.20	60.84	40.59	35.26	34.70	34.92	33.19	33.08
19	33.40	34.51	36.25	44.57	45.92	55.69	39.40	33.88	34.15	34.46	33.17	32.86
20	32.96	33.88	35.12	43.46	46.40	50.71	37.79	33.38	33.68	33.70	33.32	32.87
21	32.90	33.97	34.63	43.02	45.07	47.37	36.83	33.47	33.11	34.18	33.07	32.93
22	32.88	33.32	35.44	42.46	43.51	45.73	35.72	34.57	33.31	34.16	32.91	32.87
23	32.81	33.30	37.61	50.51	42.14	44.86	35.67	35.00	33.40	33.93	32.85	32.80
24	32.75	33.43	40.67	63.14	41.70	43.88	35.92	33.96	35.23	33.66	33.11	32.92
25	32.85	33.39	51.35	68.94	41.00	44.02	39.62	34.13	39.02	33.64	33.31	32.94
26	32.96	33.22	55.60	71.92	40.85	47.27	44.91	34.01	42.23	33.97	33.35	33.16
27	32.64	33.06	52.85	73.22	40.67	47.04	45.67	33.56	45.68	34.43	33.12	32.90
28	32.84	33.25	49.57	72.87	43.53	43.89	46.92	33.75	49.75	34.19	33.16	33.17
29	33.07	33.09	51.48	69.47	---	41.23	46.26	33.80	51.96	33.61	32.97	33.33
30	32.85	33.24	55.79	67.79	---	40.45	45.31	34.09	52.49	34.03	32.91	33.55
31	32.86	---	54.05	74.38	---	40.80	---	34.20	---	34.10	33.06	---
MEAN	33.47	33.77	40.28	53.49	53.44	51.08	42.07	38.21	37.03	37.38	33.16	33.06
MAX	37.30	37.46	55.79	74.38	79.83	65.77	46.92	52.30	52.49	54.59	33.66	33.55
MIN	32.64	32.83	32.81	42.46	40.67	40.45	35.67	33.38	33.11	33.61	32.70	32.65
CAL YR 1998	MEAN 41.83		MAX 80.44		MIN 32.64							
WTR YR 1999	MEAN 40.48		MAX 79.83		MIN 32.64							

MOBILE RIVER BASIN

02467500 SUCARNOOCHEE RIVER AT LIVINGSTON, AL

LOCATION.--Lat 32°34'25", long 88°11'36", in SW¹/₄ 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 sea level. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	119	167	450	9890	1420	1370	271	259	183	109	97
2	152	120	165	461	13600	1060	1240	258	274	160	105	94
3	136	124	165	640	10300	2180	916	238	247	147	98	92
4	128	145	167	922	7020	2510	756	226	201	136	95	105
5	124	177	169	686	4410	2320	670	220	176	126	89	118
6	122	161	172	476	1600	1380	624	255	161	122	86	129
7	135	143	178	410	964	1020	568	305	152	120	83	127
8	137	142	181	438	861	864	520	336	142	153	82	117
9	146	148	177	536	784	1240	483	274	137	188	83	112
10	152	204	198	642	700	1560	458	226	135	163	85	114
11	141	231	214	698	646	1330	425	209	134	169	142	161
12	131	315	266	560	606	911	389	200	133	144	212	139
13	128	316	786	454	567	1600	353	210	134	129	154	115
14	125	229	689	403	526	3560	327	310	166	123	123	105
15	123	198	481	370	483	3800	408	319	160	124	112	99
16	122	233	342	357	462	4120	489	253	154	122	107	97
17	122	240	277	342	522	4140	532	215	162	118	98	99
18	122	209	244	333	641	2580	405	199	159	145	95	91
19	122	190	229	327	790	1060	336	189	148	155	95	88
20	121	178	224	324	687	849	312	180	135	158	93	86
21	124	172	279	307	567	783	297	173	127	172	93	88
22	124	177	278	323	509	790	284	166	123	146	89	89
23	120	192	255	2880	480	699	272	185	124	150	89	87
24	116	186	404	2970	460	613	261	179	123	129	89	88
25	114	184	844	2730	468	1030	253	163	146	137	94	87
26	116	184	1040	2450	453	1570	277	162	157	132	111	86
27	120	180	622	1400	490	1670	331	158	190	124	118	86
28	121	174	562	748	1230	1070	325	155	209	124	145	87
29	118	170	771	650	---	779	320	161	215	120	123	105
30	120	169	961	3930	---	690	291	170	208	111	110	105
31	120	---	645	7270	---	927	---	213	---	109	104	---
TOTAL	3967	5610	12152	35487	60716	50125	14492	6778	4991	4339	3311	3093
MEAN	128	187	392	1145	2168	1617	483	219	166	140	107	103
MAX	165	316	1040	7270	13600	4140	1370	336	274	188	212	161
MIN	114	119	165	307	453	613	253	155	123	109	82	86
CFSM	.21	.31	.65	1.89	3.57	2.66	.80	.36	.27	.23	.18	.17
IN.	.24	.34	.74	2.17	3.72	3.07	.89	.42	.31	.27	.20	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1999, BY WATER YEAR (WY)

MEAN	233	445	820	1347	1713	1808	1567	804	421	417	278	230
MAX	840	2259	4077	4411	5406	4376	6244	4968	1608	2455	1240	1391
(WY)	1976	1949	1962	1998	1990	1980	1979	1991	1997	1940	1946	1979
MIN	62.7	86.8	143	175	434	414	218	173	90.2	103	68.1	55.1
(WY)	1955	1955	1955	1956	1968	1967	1986	1941	1988	1960	1954	1954

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1939 - 1999

ANNUAL TOTAL	343392	205061	
ANNUAL MEAN	941	562	
HIGHEST ANNUAL MEAN			836
LOWEST ANNUAL MEAN			1848
HIGHEST DAILY MEAN	17100	Jan 9	324
LOWEST DAILY MEAN	114	Oct 25	55900
ANNUAL SEVEN-DAY MINIMUM	118	Oct 23	50
INSTANTANEOUS PEAK FLOW			86
INSTANTANEOUS PEAK STAGE			Aug 4
ANNUAL RUNOFF (CFSM)	1.55		Feb 2
ANNUAL RUNOFF (INCHES)	21.04		Feb 2
10 PERCENT EXCEEDS	2600	1030	33.47
50 PERCENT EXCEEDS	293	188	1.38
90 PERCENT EXCEEDS	134	105	18.71

MOBILE RIVER BASIN

02469525 TOMBIGBEE RIVER NEAR NANAFALIA, AL

LOCATION.--Lat 32°07'48", long 88°02'28", in NW¹/₄ sec. 2, T. 13 N., R. 1 W., Choctaw-Marengo County line, Hydrologic Unit 03160201, on right bank pier at bridge on State Highway 10, 4 mi west of Nanafalia, 11 mi east of Butler, and at mile 122.6.
DRAINAGE AREA.--17,487 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1956 to November 1986, May 1990 to current year (gage heights only). May 1990 to current year in reports of Geological Survey. October 1956 to November 1986 in files of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Gage is in upper reach of pool formed by Coffeetown Lock and Dam in August 1960. Records since Jan. 16, 1985, include diversions from Tennessee River basin through Bay Springs lock on Tennessee-Tombigbee Waterway.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 66.78 ft, Mar. 2, 1961. Flood of Apr. 21, 1979 reached a gage height of approximately 67 ft. Minimum gage height (for period October 1956 to August 1960), 13.29 ft, Oct. 16, 1956; minimum gage height (for period after August 1960), 31.71 ft, Jan. 12, 1961.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of April 1900 reached a stage of approximately 69 ft. Flood of Feb. 23, 1990, reached a stage of 62.6 ft.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 60.71 ft, Feb. 5; minimum gage height, 32.43 ft, Dec. 5.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.86	32.71	32.75	40.56	59.86	38.04	35.76	35.91	32.90	41.56	32.74	32.78
2	32.90	32.71	32.86	38.67	60.38	38.76	36.59	34.40	33.01	41.94	32.79	32.92
3	32.76	32.77	32.70	38.61	60.48	38.47	36.59	33.63	33.28	39.16	32.76	32.76
4	32.96	32.69	32.90	40.70	60.58	41.18	36.23	33.20	33.20	35.89	32.73	32.88
5	32.73	32.70	32.60	41.42	60.48	43.88	36.52	33.11	33.14	33.93	32.72	32.81
6	32.83	32.76	32.82	39.65	59.91	43.65	37.19	33.08	32.99	33.25	32.90	32.76
7	33.01	32.77	32.67	37.99	58.40	42.07	37.12	35.92	33.06	33.22	32.84	32.85
8	33.63	32.76	32.78	36.61	55.45	41.71	37.43	39.87	32.99	33.62	32.67	32.85
9	33.53	32.86	32.80	35.96	51.09	41.25	36.82	40.26	32.90	34.01	32.77	32.92
10	33.06	32.66	32.74	37.95	44.95	42.58	36.49	39.48	33.07	33.74	32.77	32.88
11	32.79	32.89	32.75	40.45	39.60	43.21	35.75	38.36	32.97	33.50	32.76	32.83
12	32.87	32.78	33.07	40.23	37.87	41.73	34.79	36.13	32.85	33.47	33.00	32.79
13	32.69	32.81	33.88	39.18	37.06	39.99	34.28	34.84	32.96	34.24	33.06	32.88
14	32.65	32.93	36.18	38.14	36.76	44.12	33.94	33.98	32.91	33.68	33.05	32.77
15	32.61	33.38	36.78	37.21	35.95	48.96	33.80	33.57	33.07	33.40	32.78	32.77
16	32.64	33.57	35.27	37.60	35.36	50.99	34.96	33.56	32.99	33.06	32.73	32.81
17	32.70	33.36	35.04	37.15	35.18	51.10	35.12	33.24	32.95	33.16	32.91	32.74
18	32.84	33.13	34.56	36.66	35.98	49.68	34.89	33.08	32.98	32.92	32.98	32.82
19	32.69	32.85	33.31	36.43	37.16	46.57	34.24	32.74	32.83	33.06	32.82	32.69
20	32.63	32.85	33.02	35.91	37.55	42.00	33.69	32.71	32.82	32.78	32.91	32.76
21	32.62	32.82	32.96	35.59	37.03	38.78	33.57	32.89	32.71	32.98	32.80	32.77
22	32.61	32.64	33.12	35.44	36.15	37.34	33.17	33.05	32.83	32.85	32.76	32.68
23	32.60	32.76	33.55	38.12	35.48	36.88	33.14	32.99	32.82	32.84	32.68	32.67
24	32.60	32.68	34.58	45.95	35.18	36.34	33.17	32.90	33.51	32.87	32.87	32.75
25	32.75	32.72	40.06	50.44	34.93	36.15	33.95	32.91	34.09	32.87	32.91	32.76
26	32.77	32.68	42.89	53.02	34.93	37.75	36.00	32.89	34.91	32.96	32.85	32.88
27	32.56	32.68	41.91	54.62	34.70	38.23	36.85	32.75	36.77	33.06	32.77	32.70
28	32.73	32.76	39.67	55.53	35.70	36.92	37.83	32.89	38.88	32.88	32.84	32.79
29	32.85	32.67	39.31	55.43	---	35.25	37.66	32.85	40.24	32.77	32.76	32.89
30	32.69	32.85	42.08	54.96	---	34.63	37.04	32.95	40.54	32.95	32.80	32.86
31	32.68	---	42.58	57.75	---	34.77	---	32.93	---	32.98	32.85	---
MEAN	32.80	32.84	35.30	42.06	43.72	41.06	35.49	34.29	33.91	34.05	32.83	32.80
MAX	33.63	33.57	42.89	57.75	60.58	51.10	37.83	40.26	40.54	41.94	33.06	32.92
MIN	32.56	32.64	32.60	35.44	34.70	34.63	33.14	32.71	32.71	32.77	32.67	32.67
CAL YR 1998	MEAN 36.82		MAX 60.73		MIN 32.56							
WTR YR 1999	MEAN 35.89		MAX 60.58		MIN 32.56							

MOBILE RIVER BASIN

02469525 TOMBIGBEE RIVER NEAR NANAFALIA, AL--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB						
02...	1420	25.0	145000	326	128000	41
02...	1430	50.0	145000	216	84600	64
02...	1500	75.0	145000	292	114000	44
MAR						
09...	0905	25.0	55000	89	13200	75
09...	0945	50.0	55000	71	10500	71
09...	1000	75.0	55000	50	7420	76

MOBILE RIVER BASIN

02469761 TOMBIGBEE RIVER AT COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL

LOCATION.--Lat 31°45'30", long 88°07'45", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 9 N., R. 2 W., Choctaw County, Hydrologic Unit 03160203, near right bank at Coffeeville Lock and Dam, 2 mi west of Coffeeville, 4 mi downstream from Turkey Creek, 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. WDR AL-90-1: 1987, 1989. WDR AL-94-1: 1993.

GAGE.--Water-stage recorder. Datum of gage is at sea level. Prior to October 1, 1993, water-stage recorder at same site at datum 14.00 ft lower.

REMARKS.--Estimated daily discharges: Dec. 24. 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. Records since Jan. 16, 1985, include diversions from Tennessee River basin through Bay Springs lock on Tennessee-Tombigbee Waterway.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1, 1874 reached a stage of 53.4 ft, discharge not determined, at site 0.5 mi downstream at present datum.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10400	2170	4750	52700	149000	39100	28400	30800	5390	54800	5040	897
2	6490	1450	5460	44800	160000	43100	33500	21400	6720	58500	4640	2160
3	4510	3040	4280	45100	167000	41900	32000	14300	10600	47400	3090	1760
4	4670	2370	5590	52500	172000	51900	31500	11100	10900	32100	2630	1220
5	5680	1950	2110	56500	172000	63000	31400	6530	9550	20000	2180	2110
6	5850	1630	3170	49200	175000	63500	36200	10900	8680	11300	3290	842
7	6090	1670	3020	41900	164000	56200	34900	26600	6650	10700	4060	1750
8	18900	2340	5140	35100	140000	54700	37200	47200	7130	16100	1570	2090
9	14400	4680	4710	30700	121000	54900	34300	50500	5470	18700	934	3230
10	11600	4120	4060	39200	94000	57300	32400	47900	6670	17100	1780	4300
11	6380	9310	6130	52200	59300	61000	28800	42600	8420	15500	1350	1890
12	5390	5930	9820	52300	40500	55900	23700	32500	4890	14200	2330	1730
13	4740	4900	16600	47000	33500	51000	19300	24200	5560	20900	3190	744
14	4190	5060	33700	42100	32100	72700	15900	18300	5450	17000	3620	2140
15	3030	13200	39400	36900	28500	87400	16700	13000	9120	14600	3550	1450
16	2680	17200	28700	38600	27000	98300	22800	13600	10300	10200	398	2310
17	2380	13900	27400	37100	24200	103000	24900	11100	8900	9350	622	2300
18	3310	12500	24700	33800	29300	100000	23700	9670	7330	9020	2170	2390
19	5660	7520	14500	33200	36200	89100	19300	5890	7050	7990	1770	1230
20	3850	6690	9930	30200	37600	65000	15600	2300	4710	4630	2390	1290
21	3030	6080	6890	27900	35800	44900	12800	2580	3210	6220	2810	1310
22	3160	4050	9820	27900	31000	35100	9490	5710	2380	6080	791	2400
23	2920	4490	14100	39900	26700	32900	10100	6980	3620	6000	488	1040
24	1480	4570	18600	77600	25000	31500	9920	6160	14200	4630	1240	1080
25	1110	4500	41500	94900	22700	30100	15400	3650	21700	4690	2700	1800
26	2890	4480	61100	108000	24100	38100	29100	5850	27200	5080	5280	1270
27	1510	2410	60500	118000	21500	41800	35300	4200	37900	6310	2380	2990
28	1200	3700	51000	126000	25700	35800	40000	3440	46800	8560	2380	1210
29	2680	2980	46800	131000	---	27000	40000	3560	51400	3460	1610	6270
30	2680	2250	59000	131000	---	22700	35900	5200	51500	5700	612	11000
31	2040	---	62500	140000	---	23500	---	7040	---	6030	2060	---
TOTAL	154900	161140	684980	1873300	2074700	1672400	780510	494760	409400	472850	72955	68203
MEAN	4997	5371	22100	60430	74100	53950	26020	15960	13650	15250	2353	2273
MAX	18900	17200	62500	140000	175000	103000	40000	50500	51500	58500	5280	11000
MIN	1110	1450	2110	27900	21500	22700	9490	2300	2380	3460	398	744
CFSM	.27	.29	1.20	3.28	4.02	2.93	1.41	.87	.74	.83	.13	.12
IN.	.31	.33	1.38	3.78	4.19	3.38	1.58	1.00	.83	.96	.15	.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1999, BY WATER YEAR (WY)

	MEAN	8045	13300	33340	53620	56490	64710	57930	32180	16570	12370	8004	7046
MAX	39840	39560	100900	110900	161100	152200	171600	153100	68860	58070	21880	33190	
(WY)	1976	1980	1984	1974	1990	1961	1980	1991	1997	1989	1975	1979	
MIN	1401	1973	4142	7689	18790	15600	5781	4460	2557	4313	2353	2273	
(WY)	1988	1982	1963	1981	1968	1988	1986	1988	1988	1986	1999	1999	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1961 - 1999

ANNUAL TOTAL	10043470	8920098	
ANNUAL MEAN	27520	24440	30170
HIGHEST ANNUAL MEAN			57420
LOWEST ANNUAL MEAN			10740
HIGHEST DAILY MEAN	136000	Jan 13	175000
LOWEST DAILY MEAN	1110	Oct 25	398
ANNUAL SEVEN-DAY MINIMUM	1940	Oct 24	1450
INSTANTANEOUS PEAK FLOW			177000
INSTANTANEOUS PEAK STAGE			43.52
ANNUAL RUNOFF (CFSM)	1.49		1.33
ANNUAL RUNOFF (INCHES)	20.29		18.02
10 PERCENT EXCEEDS	76300	56300	83200
50 PERCENT EXCEEDS	14200	10300	14400
90 PERCENT EXCEEDS	3020	1930	3380

e Estimated

MOBILE RIVER BASIN

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 31°45'30", long 88°07'35", in SW¹/₄SW¹/₄ sec. 7, T. 9 N., R. 2 W., Choctaw County, Hydrologic Unit 03160203, near right bank at downstream end of Coffeerville Lock and Dam, 2 mi west of Coffeerville, 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 sea level. Prior to October 1, 1993, water-stage recorder at same site at datum 14.00 ft lower.

REMARKS.--Records since Jan. 16, 1985, include diversions from Tennessee River basin through Bay Springs lock on Tennessee-Tombigbee Waterway.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 50.2 ft, Mar. 4, 1961, Apr. 23, 1979; minimum gage height, -0.10 ft, Oct. 2, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 41.55 ft, Feb. 5; minimum, 0.25 ft, Sept. 16.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.48	1.79	2.05	23.09	40.11	16.26	13.97	15.74	3.99	23.15	3.07	1.74
2	14.12	2.31	2.37	21.38	40.76	18.64	15.63	13.01	4.38	23.95	2.54	2.14
3	11.90	2.20	2.53	20.62	41.14	18.90	15.99	9.78	5.27	22.78	2.02	1.94
4	10.27	1.75	2.88	21.62	41.38	20.68	15.96	7.81	5.89	19.52	1.65	1.96
5	9.39	1.27	2.32	23.06	41.48	23.83	15.62	5.92	5.49	15.99	1.80	2.05
6	7.81	.60	2.37	22.28	41.43	25.31	16.85	7.23	4.97	12.65	2.12	1.88
7	6.52	1.00	2.47	20.37	40.94	24.71	16.86	10.09	3.93	10.78	2.58	2.00
8	9.99	1.52	2.72	18.22	39.77	24.15	17.56	17.53	4.13	10.35	2.30	2.12
9	9.74	2.54	2.12	16.10	37.79	24.27	17.13	20.49	3.46	10.58	1.88	2.06
10	8.68	3.19	1.82	16.74	34.65	24.76	16.40	20.75	3.36	10.28	1.66	2.30
11	6.10	4.01	2.52	20.02	29.93	25.59	15.35	19.91	3.95	9.33	1.86	1.61
12	4.25	3.14	3.78	21.31	25.26	25.20	13.61	17.74	3.30	8.51	1.87	1.94
13	3.25	2.45	6.25	20.71	22.47	24.07	11.63	14.77	3.21	9.82	1.89	1.51
14	2.66	2.62	11.55	19.51	20.56	27.62	10.01	12.26	3.23	9.85	1.95	1.53
15	2.40	4.74	15.39	17.98	18.76	30.48	9.55	9.52	4.17	8.80	1.97	.61
16	2.27	7.13	13.89	17.47	17.09	32.02	10.81	8.36	5.54	7.42	1.36	.30
17	2.02	7.12	12.79	17.30	15.39	32.70	12.52	7.37	5.28	6.69	1.20	.85
18	2.26	6.53	12.02	16.33	15.77	32.70	12.16	6.32	4.68	6.60	1.57	1.31
19	3.16	4.89	9.19	15.87	17.14	31.79	10.94	4.87	4.43	5.58	1.70	1.99
20	2.55	3.92	6.34	15.12	17.86	29.20	9.64	2.88	3.48	4.58	2.10	2.04
21	1.71	2.97	4.71	14.23	17.71	25.48	8.04	2.44	2.57	3.89	2.28	2.29
22	1.44	2.70	4.46	13.91	16.59	22.58	6.97	3.28	1.96	3.97	1.59	1.55
23	1.07	2.76	5.59	16.11	15.21	20.55	6.27	4.29	2.51	3.58	1.79	.52
24	1.47	2.78	7.36	24.03	14.15	19.04	5.99	3.92	5.11	2.97	1.79	1.48
25	1.70	2.51	13.67	28.90	13.27	17.44	7.07	2.71	9.51	3.11	2.34	1.67
26	2.15	2.32	20.72	31.13	13.04	18.11	11.62	3.38	12.30	3.25	2.92	1.63
27	1.85	1.36	22.84	32.66	12.27	19.20	14.95	2.83	16.73	3.31	2.12	2.25
28	1.81	1.51	21.82	33.86	12.89	18.37	16.99	2.32	20.76	4.21	1.76	2.12
29	2.32	1.52	20.54	34.78	---	15.86	17.85	2.67	22.48	3.13	1.47	2.54
30	2.22	1.37	22.21	36.40	---	13.66	17.13	3.02	22.88	3.22	1.20	1.91
31	1.89	---	23.79	38.81	---	12.97	---	4.01	---	3.31	1.70	---
MEAN	5.05	2.88	9.20	22.26	25.53	23.10	13.04	8.62	6.76	8.88	1.94	1.73
MAX	17.48	7.13	23.79	38.81	41.48	32.70	17.85	20.75	22.88	23.95	3.07	2.54
MIN	1.07	.60	1.82	13.91	12.27	12.97	5.99	2.32	1.96	2.97	1.20	.30

CAL YR 1998 MEAN 12.13 MAX 41.06 MIN .60
WTR YR 1999 MEAN 10.68 MAX 41.48 MIN .30

MOBILE RIVER BASIN

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD. Water years 1970-96, 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1975 to September 1997.

WATER TEMPERATURES: April 1975 to September 1997.

REMARKS.--Water temperatures for August 1986, published in WDR AL-86-1, have been discredited and should not be used.

COOPERATION.--Specific conductance and temperature data furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 360 microSiemens, Nov. 15, 1987, Nov. 7, 1990, Sept. 27, 1995; minimum daily, 54 microSiemens, June 7, 1983.

WATER TEMPERATURES: Maximum daily, 34.0°C, July 14, 1980, July 31, Aug. 22, 1987, July 26, 1995; minimum daily, 3.0°C, Feb. 3, 4, 1996.

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 25...	7.6	.5	8.7	520	2	<1	.2	.74	130	86	13
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 25...	20	2	16	<1	1	4.1	75	21	51	.67	1000
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 25...	.05	1	63	29	18	.098	1.4	14	.4	.9	.24
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
AUG 25...	110	<.05	2	18	2	4.0	120	29	3	120	
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
AUG 25...	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00

MOBILE RIVER BASIN

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL--Continued
(National Water-Quality Assessment Station)

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	P, P'- DDE, BM SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, BM SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, BM SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, BM SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, BM SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, BM SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, BM SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
	AUG 25...	<1.00	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00
	DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)
AUG 25...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

						BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)		PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	
DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	(00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	(00301)	(00400)	(00403)	(00095)	
JAN 14...	1000	19.58	42900	7.5	12.0	764	12.9	107	6.9	7.6	177	
FEB 18...	1230	15.62	27600	14.6	12.1	760	10.7	105	7.5	7.7	137	
MAR 18...	1030	32.77	90200	12.3	25.0	761	11.5	108	7.5	7.4	140	
APR 20...	0945	9.98	15700	21.1	25.5	762	10.0	112	7.6	7.6	161	
MAY 04...	0930	7.92	11200	22.7	24.0	765	9.4	109	7.5	7.6	180	
JUN 03...	1100	5.20	9160	27.8	30.0	768	8.6	109	7.4	7.6	214	
JUL 12...	1500	8.35	13900	29.8	26.5	767	9.0	118	7.8	7.9	216	
AUG 10...	1245	1.36	722	33.4	35.0	764	7.7	108	7.7	7.9	248	
SEP 21...	1100	2.34	722	28.2	26.5	763	7.9	101	7.2	7.8	300	
DATE		SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)
JAN 14...	190	114	46	38	1.3	1.0	.42	.16	.057	.026	.805	
FEB 18...	137	94	32	27	.69	.52	.35	.17	.042	<.010	--	
MAR 18...	142	89	36	29	.87	.53	.52	.19	.028	<.010	--	
APR 20...	160	100	50	41	3.8	.40	3.6	.16	.042	<.010	--	
MAY 04...	178	--	52	43	.97	.71	.49	.23	.045	.048	.393	
JUN 03...	209	139	51	42	.73	.53	.41	.21	.022	<.010	--	
JUL 12...	210	132	58	48	.70	.57	--	--	<.020	<.010	--	
AUG 10...	242	136	64	53	.70	.54	.43	.27	.029	<.010	--	
SEP 21...	214	129	65	53	--	--	--	--	<.020	<.010	--	

MOBILE RIVER BASIN

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JAN 14...	.22	.47	.831	.08	.123	.029	.026	4.2	1.0	15	4.4
FEB 18...	.21	.39	.307	--	.056	.015	<.010	3.6	.50	12	3.3
MAR 18...	.21	.55	.317	.04	.160	.016	.014	4.3	1.5	14	3.2
APR 20...	.20	3.6	.197	.03	.065	.011	.010	5.1	.50	17	3.3
MAY 04...	.27	.53	.441	.08	.118	.021	.025	4.4	1.0	18	3.4
JUN 03...	.23	.43	.303	.08	.074	.025	.027	4.3	.50	17	4.5
JUL 12...	.26	.39	.306	.06	.075	.022	.019	4.9	.50	18	4.3
AUG 10...	.30	.46	.245	--	.063	.019	<.010	4.5	.70	20	5.2
SEP 21...	.17	.50	<.050	.06	.089	.034	.019	3.2	1.1	15	3.3
DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	
JAN 14...	12	.7	30	1.9	8.8	33	<.10	6.4	28	3.1	
FEB 18...	7.5	.5	27	1.6	7.5	21	<.10	7.7	49	14	
MAR 18...	6.5	.4	22	1.5	5.5	21	<.10	5.6	49	12	
APR 20...	8.5	.5	24	1.7	7.6	19	<.10	4.3	38	<3.0	
MAY 04...	9.6	.5	25	1.8	8.5	21	<.10	3.5	53	6.0	
JUN 03...	15	.9	35	2.3	11	33	<.10	3.0	E7.2	8.3	
JUL 12...	14	.8	31	2.4	11	30	.12	4.1	14	<3.0	
AUG 10...	18	.9	35	2.5	16	29	<.10	2.9	<10	9.1	
SEP 21...	22	1	47	2.4	11	22	<.10	4.3	E9.2	18	

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)
FEB 18...	<.0070	<.0020	.0173	<.0180	E.0020	<.0040	<.0030	<.0020	<.0060	<.0040	<.004	<.001
APR 20...	<.0070	<.0020	.0134	E.0048	E.0066	<.0040	<.0030	<.0020	<.0060	<.0040	<.004	<.001
MAY 04...	<.0070	<.0020	.0233	E.0130	E.0727	.0110	<.0030	<.0020	E.0010	.0068	<.004	<.001

MOBILE RIVER BASIN

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
FEB 18...	.004	<.005	<.004	<.002	.032	<.002	<.0020	<.004	<.0030	<.0020	<.0040	<.0020
APR 20...	.043	<.005	<.004	<.002	.132	.013	<.0020	E.004	<.0030	E.0015	<.0040	<.0020
MAY 04...	.634	<.005	<.004	.011	2.86	.011	<.0020	<.004	<.0030	E.0034	<.0040	<.0020
	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
FEB 18...	<.0070	<.0020	<.0060	<.0020	<.0040	E.0089	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030
APR 20...	<.0070	<.0020	<.0060	<.0020	<.0040	.0130	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030
MAY 04...	<.0070	<.0020	<.0060	<.0020	<.0040	.0158	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030
	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	
FEB 18...	<.0170	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
APR 20...	<.0170	<.0010	<.0040	<.0030	<.0020	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
MAY 04...	<.0170	<.0010	<.0040	<.0030	<.0020	<.0020	.0101	<.0030	<.0130	<.0010	<.0050	

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 14...	1000	42900	62	7180	90
FEB 18...	1230	27600	19	1420	73
MAR 18...	1030	90200	124	30200	71
APR 20...	0945	15700	20	848	89
MAY 04...	0930	11200	51	1540	94
JUN 03...	1100	9160	21	519	73

MOBILE RIVER BASIN

02469800 SATILPA CREEK NEAR COFFEEVILLE, AL

LOCATION.--Lat 31°44'39", long 88°01'21", in SW¹/₄SW¹/₄ sec. 18, T. 9 N., R. 1 E., 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. Datum of gage is 39.80 ft above sea level (levels by Alabama Highway Department).

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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1630	39	37	52	4750	180	260	86	114	152	23	16
2	317	38	37	134	1990	139	178	72	76	112	20	14
3	193	38	37	591	762	144	155	63	51	90	18	14
4	148	40	37	200	534	149	144	58	44	75	17	14
5	123	38	37	118	424	123	133	63	42	65	16	13
6	155	40	38	97	360	178	123	77	34	57	15	13
7	249	36	38	90	320	256	149	125	30	53	14	14
8	630	35	39	87	288	155	153	78	27	106	14	16
9	313	36	40	83	256	675	121	58	25	188	37	47
10	173	38	37	81	250	725	109	50	23	103	42	34
11	127	76	36	71	232	317	99	46	23	79	28	20
12	106	67	36	67	208	237	89	50	36	90	21	15
13	93	49	54	66	188	433	82	86	49	88	23	13
14	84	44	68	65	169	3870	78	72	37	69	18	11
15	77	47	53	73	161	3430	342	53	45	53	14	11
16	75	65	44	75	157	1100	347	44	75	46	13	9.8
17	71	69	40	65	180	502	140	40	68	43	12	9.1
18	64	57	38	64	657	417	106	37	46	57	12	8.8
19	61	49	37	59	362	358	93	37	33	94	11	8.9
20	59	46	41	55	247	304	87	38	27	68	11	9.2
21	56	43	43	55	210	281	82	34	24	53	144	9.8
22	52	41	42	57	188	249	75	31	22	40	44	9.6
23	48	42	42	785	169	224	70	29	27	34	23	8.9
24	45	51	63	829	165	211	69	28	220	31	17	8.6
25	44	52	107	242	152	209	246	28	432	35	22	8.4
26	44	47	80	163	143	226	129	26	455	36	211	8.2
27	43	44	64	129	139	186	101	57	947	35	81	8.5
28	41	41	62	114	206	169	132	56	1400	28	39	8.8
29	40	39	86	106	---	160	100	41	972	25	26	15
30	40	38	73	1850	---	155	96	45	241	25	22	18
31	39	---	59	12200	---	238	---	186	---	24	18	---
TOTAL	5240	1385	1545	18723	13867	16000	4088	1794	5645	2054	1026	414.6
MEAN	169	46.2	49.8	604	495	516	136	57.9	188	66.3	33.1	13.8
MAX	1630	76	107	12200	4750	3870	347	186	1400	188	211	47
MIN	39	35	36	52	139	123	69	26	22	24	11	8.2
CFSM	1.03	.28	.30	3.68	3.02	3.15	.83	.35	1.15	.40	.20	.08
IN.	1.19	.31	.35	4.25	3.15	3.63	.93	.41	1.28	.47	.23	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1999, BY WATER YEAR (WY)

MEAN	70.9	144	258	398	477	545	389	199	130	94.7	65.6	60.7
MAX	402	515	1681	1132	1802	1325	1299	1025	574	542	289	287
(WY)	1976	1998	1962	1990	1961	1976	1979	1980	1997	1989	1975	1998
MIN	5.43	8.66	31.0	45.8	102	155	60.1	27.9	11.0	14.8	10.9	7.12
(WY)	1964	1964	1964	1981	1957	1957	1963	1965	1988	1969	1968	1963

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1957 - 1999

ANNUAL TOTAL	100460.2	71781.6	
ANNUAL MEAN	275	197	235
HIGHEST ANNUAL MEAN			408
LOWEST ANNUAL MEAN			78.5
HIGHEST DAILY MEAN	5880	12200	15300
LOWEST DAILY MEAN	9.7	8.2	4.9
ANNUAL SEVEN-DAY MINIMUM	10	8.7	4.9
INSTANTANEOUS PEAK FLOW		15900	25600
INSTANTANEOUS PEAK STAGE		16.54	18.37
ANNUAL RUNOFF (CFSM)	1.68	1.20	1.43
ANNUAL RUNOFF (INCHES)	22.79	16.28	19.45
10 PERCENT EXCEEDS	577	294	489
50 PERCENT EXCEEDS	56	62	92
90 PERCENT EXCEEDS	14	17	17

MOBILE RIVER BASIN

02470072 BASSETT CREEK AT U.S. HIGHWAY 43 NEAR THOMASVILLE, AL

LOCATION.--Lat 31°51'50", long 87°44'50", in SW¹/₄ sec. 2, T. 10 N., R. 3 E., Clarke County, Hydrologic Unit 03160203, on downstream side of bridge on U.S. Highway 43, 3 mi south of Thomasville.

DRAINAGE AREA.--10.5 mi².

PERIOD OF RECORD.--October 1995 to current year.

REVISED RECORDS.--WDR AL-98-1: 1996-97 (P).

GAGE.--Water-stage recorder. Elevation of gage is 292 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharge: Oct. 12 to Nov. 15, Nov. 27 to Dec. 10, 16-31, Jan. 4-12, Apr. 16-23, May 19-29, June 5-10, 13-23, Aug. 1-10, 15-20, Aug. 28 to Sept. 30. Records fair except those of estimated periods, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	e.72	e.82	6.8	81	8.2	8.5	5.4	19	5.7	e.28	e.06
2	9.4	e.71	e.81	102	48	6.6	5.0	3.5	2.9	3.6	e.20	e.05
3	5.7	e.70	e.80	44	36	19	3.9	2.9	1.8	2.7	e.18	e.04
4	3.9	e.69	e1.2	e18	35	8.9	3.7	3.2	1.6	2.5	e.14	e.04
5	3.1	e.68	e1.1	e10	24	6.8	3.8	4.0	e1.3	3.0	e.13	e.04
6	4.9	e.67	e1.0	e8.0	21	15	5.1	9.6	e1.1	2.6	e.12	e.03
7	34	e.66	e.95	e6.5	18	9.9	10	7.2	e1.1	3.3	e.11	e.03
8	32	e.66	e.90	e5.5	16	6.5	4.1	4.4	e1.0	49	e.11	e.03
9	11	e.65	e.85	e5.0	13	103	3.6	3.1	e1.0	21	e.10	e.50
10	5.4	e2.0	e.85	e4.5	12	27	3.8	2.7	e1.0	13	e.10	e.90
11	2.8	e4.4	7.2	e4.0	11	17	3.6	2.4	6.2	65	.51	e.30
12	e2.2	e4.0	9.5	e3.5	9.3	13	3.2	3.4	14	20	.81	e.10
13	e1.9	e2.5	9.6	3.2	8.3	150	2.7	3.2	e2.0	15	.65	e.08
14	e1.7	e1.5	5.3	4.5	6.9	362	2.7	2.9	e1.6	6.3	.62	e.07
15	e1.5	e2.0	4.1	4.6	7.1	47	54	3.3	e1.4	4.0	e.40	e.06
16	e1.4	3.3	e2.5	3.2	7.3	31	e5.0	3.3	e1.1	2.9	e.28	e.05
17	e1.3	1.8	e2.0	2.9	15	23	e3.7	3.2	e1.4	2.5	e.20	e.05
18	e1.2	1.5	e1.8	3.1	40	19	e3.1	3.8	e1.2	2.0	e.14	e.04
19	e1.1	2.0	e1.7	2.8	16	15	e2.9	e3.6	e1.1	2.2	e.12	e.04
20	e1.1	2.2	e1.7	3.2	12	12	e2.7	e2.4	e1.0	1.8	e.10	e.03
21	e1.0	2.4	e1.6	3.7	11	11	e2.6	e2.2	e1.0	1.7	4.3	e.03
22	e.95	2.6	e1.6	6.3	9.3	8.7	e2.6	e2.0	e.90	1.6	1.6	e.02
23	e.90	2.2	e1.6	176	9.1	7.2	e2.5	e1.9	e2.0	1.3	.81	e.02
24	e.87	2.0	e1.5	31	10	6.5	4.3	e1.8	27	1.2	.44	e.02
25	e.85	1.1	e9.0	20	8.0	9.7	8.5	e1.7	26	1.5	4.8	e.02
26	e.83	.93	e6.0	17	7.5	8.5	5.0	e1.6	68	5.8	1.1	e.02
27	e.81	e.85	e4.0	14	7.8	5.3	6.7	e1.6	351	2.1	.30	e.02
28	e.79	e.83	e3.5	14	15	4.5	9.1	e1.5	67	1.2	e.18	e.03
29	e.77	e.81	e9.0	14	---	4.3	5.1	e1.5	16	.74	e.14	e.10
30	e.75	e.80	e6.0	724	---	4.9	7.6	15	9.1	.47	e.09	e.07
31	e.73	---	e3.0	464	---	14	---	34	---	.33	e.08	---
TOTAL	151.85	47.86	114.98	1729.3	514.6	984.5	189.1	142.3	630.80	246.04	19.14	2.89
MEAN	4.90	1.60	3.71	55.8	18.4	31.8	6.30	4.59	21.0	7.94	.62	.096
MAX	34	4.4	15	724	81	362	54	34	351	65	4.8	.90
MIN	.73	.65	.80	2.8	6.9	4.3	2.5	1.5	.90	.33	.08	.02
CFSM	.47	.15	.35	5.31	1.75	3.02	.60	.44	2.00	.76	.06	.01
IN.	.54	.17	.41	6.13	1.82	3.49	.67	.50	2.23	.87	.07	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1999, BY WATER YEAR (WY)

	MEAN	13.7	23.6	21.6	44.9	31.3	40.5	16.0	5.08	11.4	7.69	6.63	12.9
MAX	23.3	45.6	46.2	62.8	47.8	68.8	30.7	9.01	21.0	12.8	20.5	32.5	
(WY)	1998	1996	1996	1998	1998	1996	1997	1997	1999	1997	1996	1998	
MIN	4.90	1.60	3.71	26.9	18.4	17.1	6.30	3.13	1.41	3.21	.50	.096	
(WY)	1999	1999	1999	1997	1999	1997	1999	1998	1998	1998	1998	1999	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1996 - 1999
ANNUAL TOTAL	6501.52	4773.36	
ANNUAL MEAN	17.8	13.1	19.6
HIGHEST ANNUAL MEAN			25.7
LOWEST ANNUAL MEAN			13.1
HIGHEST DAILY MEAN	726	724	726
LOWEST DAILY MEAN	.03	.02	.02
ANNUAL SEVEN-DAY MINIMUM	.07	.02	.02
INSTANTANEOUS PEAK FLOW		1150	1630
INSTANTANEOUS PEAK STAGE		9.73	10.33
ANNUAL RUNOFF (CFSM)	1.70	1.25	1.86
ANNUAL RUNOFF (INCHES)	23.03	16.91	25.32
10 PERCENT EXCEEDS	34	19	39
50 PERCENT EXCEEDS	2.5	2.9	6.0
90 PERCENT EXCEEDS	.17	.13	.27

e Estimated

MOBILE RIVER BASIN

02471001 CHICKASAW CREEK NEAR KUSHLA, AL

LOCATION.--Lat 30°48'10", long 88°08'36", in SE¹/₄NE¹/₄ 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 southeast 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 02471000, Chickasaw Creek "near Whistler."

REVISED RECORDS.--WSP 1434: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 3.85 ft above sea level. 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.--Estimated daily discharges: May 19-24, Aug. 4-24, Aug. 30 to Sept. 5, Sept. 14-22. Records good except those estimated, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1690	218	188	179	484	255	639	86	237	148	127	e62
2	1020	214	185	273	319	176	354	81	202	121	87	e60
3	788	218	181	699	254	187	246	77	114	106	75	e58
4	668	214	178	517	230	190	217	75	94	96	e69	e56
5	671	206	178	283	207	156	200	75	90	94	e64	e66
6	744	201	178	236	193	144	184	80	124	87	e60	119
7	1030	198	178	222	184	193	172	85	96	86	e57	99
8	2470	201	175	215	182	173	162	84	82	93	e54	90
9	1590	198	197	392	179	265	151	72	75	234	e62	148
10	793	201	190	447	171	416	142	67	76	190	e56	151
11	617	358	172	300	170	251	133	67	105	115	e70	97
12	533	363	182	237	167	193	125	82	284	183	e120	85
13	482	240	296	216	159	533	116	100	160	454	e80	75
14	441	212	247	206	151	2240	110	92	135	312	e70	e70
15	410	378	195	196	146	1220	108	78	157	164	e62	e64
16	387	542	174	185	146	519	104	70	202	121	e55	e60
17	365	447	165	181	150	367	101	65	184	112	e52	e56
18	346	296	160	181	202	307	98	63	149	113	e70	e53
19	335	245	160	171	218	273	96	e62	101	355	e60	e50
20	324	228	163	162	170	243	96	e60	92	324	e56	e49
21	308	215	164	162	175	250	95	e58	84	182	e54	e47
22	284	204	162	162	162	276	92	e62	78	128	e52	e56
23	265	296	158	643	150	221	91	e68	109	101	e50	49
24	255	499	157	849	151	200	90	115	97	90	e80	47
25	252	357	214	398	151	193	87	95	162	89	184	47
26	249	254	243	266	143	200	84	80	813	138	97	47
27	242	224	199	228	139	188	93	67	1580	116	90	46
28	234	208	235	212	209	169	133	81	709	85	81	47
29	230	196	381	203	---	163	109	96	276	78	73	78
30	227	191	275	237	---	198	91	184	190	75	e68	170
31	223	---	201	553	---	528	---	225	---	169	e66	---
TOTAL	18473	8022	6131	9411	5362	10887	4519	2652	6857	4759	2301	2202
MEAN	596	267	198	304	192	351	151	85.5	229	154	74.2	73.4
MAX	2470	542	381	849	484	2240	639	225	1580	454	184	170
MIN	223	191	157	162	139	144	84	58	75	75	50	46
CFSM	4.77	2.14	1.58	2.43	1.53	2.81	1.21	.68	1.83	1.23	.59	.59
IN.	5.50	2.39	1.82	2.80	1.60	3.24	1.34	.79	2.04	1.42	.68	.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1999, BY WATER YEAR (WY)

	MEAN	169	208	277	369	413	421	393	272	213	217	219	216
MAX	742	1021	761	986	769	1082	1792	1156	1039	769	941	1255	
(WY)	1976	1962	1962	1998	1997	1990	1955	1991	1959	1997	1975	1998	
MIN	33.5	52.5	118	130	135	84.5	95.8	61.2	51.5	58.1	29.0	30.0	
(WY)	1964	1964	1959	1989	1954	1955	1954	1954	1968	1954	1954	1954	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1952 - 1999
ANNUAL TOTAL	161482	81576	
ANNUAL MEAN	442	223	281
HIGHEST ANNUAL MEAN			495
LOWEST ANNUAL MEAN			115
HIGHEST DAILY MEAN	17100	2470	17700
LOWEST DAILY MEAN	60	46	19
ANNUAL SEVEN-DAY MINIMUM	67	48	19
INSTANTANEOUS PEAK FLOW		2920	* 42000
INSTANTANEOUS PEAK STAGE		14.43	** 25.40
ANNUAL RUNOFF (CFSM)	3.54	1.79	2.25
ANNUAL RUNOFF (INCHES)	48.06	24.28	30.59
10 PERCENT EXCEEDS	758	403	549
50 PERCENT EXCEEDS	240	170	170
90 PERCENT EXCEEDS	87	64	70

* From rating curve extended above 20,000 ft³/s on basis of slope-area measurement of peak flow.

** Site and datum then in use.

e Estimated

MOBILE RIVER BASIN

0247100550 EIGHTMILE CREEK AT MOBILE, AL

LOCATION.--Lat 30°44'05", long 88°09'39", in SE¹/₄ sec. 34, T. 35 S., R. 2 W., Mobile County, Hydrologic Unit 03160204, at High Point Boulevard approximately 1.0 mi downstream of U.S. Highway 98, in Mobile City limits, and at mile 7.0.

DRAINAGE AREA.--23.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 50 ft above sea level (from topographic map).

REMARKS.--Estimated daily discharges: Feb. 26 to Mar. 4, May 10, 18, 19, 21, 23, 26, June 4, 6, 8-10, 20-22, July 2-4, 18-20, 23-25, 27-29.

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	67	62	56	71	e80	79	35	58	48	43	42
2	111	68	62	99	64	e55	59	35	44	e43	39	46
3	104	68	61	94	62	e60	57	35	42	e41	37	63
4	99	66	61	62	62	e55	56	35	e38	e40	35	71
5	99	64	64	58	58	51	54	40	49	51	43	53
6	98	64	63	58	57	53	53	40	e41	43	34	60
7	115	64	62	59	58	50	52	38	41	95	34	50
8	139	64	62	57	58	48	51	34	e39	80	34	73
9	94	64	59	119	57	131	49	33	e39	53	35	102
10	91	73	59	82	57	64	47	e32	e38	51	35	51
11	87	135	59	62	56	50	46	44	56	58	36	43
12	85	72	73	60	56	57	43	47	82	111	34	42
13	82	66	82	58	54	197	42	48	50	81	33	40
14	81	67	61	59	54	421	42	38	57	55	34	38
15	79	135	59	59	55	96	42	36	71	50	32	35
16	79	108	58	56	56	73	40	35	84	48	32	33
17	77	76	57	57	58	66	41	35	55	48	32	32
18	78	70	56	56	59	63	40	e32	42	e46	33	34
19	77	69	59	53	55	60	40	e32	39	e44	38	35
20	76	68	58	54	53	59	41	31	e37	e50	72	56
21	74	66	58	54	55	59	39	e31	e35	44	38	46
22	72	73	57	55	52	56	40	30	e37	40	63	36
23	71	98	56	109	52	56	41	e41	40	e38	75	34
24	71	79	57	68	51	55	41	52	46	e37	54	34
25	71	69	67	56	49	57	38	35	71	e39	87	34
26	70	66	61	54	e48	56	40	e32	238	63	47	34
27	68	64	58	54	e47	53	40	48	193	e45	41	36
28	68	63	81	54	e60	52	39	65	73	e43	38	38
29	68	62	72	54	---	52	36	68	58	e40	38	66
30	68	62	58	66	---	55	37	57	52	55	38	74
31	68	---	56	110	---	147	---	55	---	67	44	---
TOTAL	2651	2230	1918	2052	1574	2487	1365	1249	1845	1647	1308	1431
MEAN	85.5	74.3	61.9	66.2	56.2	80.2	45.5	40.3	61.5	53.1	42.2	47.7
MAX	139	135	82	119	71	421	79	68	238	111	87	102
MIN	68	62	56	53	47	48	36	30	35	37	32	32
CFSM	3.69	3.20	2.67	2.85	2.42	3.46	1.96	1.74	2.65	2.29	1.82	2.06
IN.	4.25	3.58	3.08	3.29	2.52	3.99	2.19	2.00	2.96	2.64	2.10	2.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 1999, BY WATER YEAR (WY)

	1997	1998	1999	1997	1998	1999	1997	1998	1999	1997	1998	1999
MEAN	65.6	73.0	68.5	97.4	73.6	92.9	63.3	55.8	69.2	99.2	59.3	83.5
MAX	85.5	98.4	78.8	161	92.7	128	80.5	76.3	94.4	183	83.0	146
(WY)	1999	1998	1998	1998	1998	1998	1998	1997	1997	1997	1997	1998
MIN	46.2	46.3	61.9	64.5	56.2	70.9	45.5	40.3	51.6	53.1	42.2	47.7
(WY)	1997	1997	1999	1997	1999	1997	1999	1999	1998	1999	1999	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1997 - 1999
ANNUAL TOTAL	31829	21757	
ANNUAL MEAN	87.2	59.6	75.2
HIGHEST ANNUAL MEAN			88.9
LOWEST ANNUAL MEAN			59.6
HIGHEST DAILY MEAN	1500	421	1500
LOWEST DAILY MEAN	35	30	30
ANNUAL SEVEN-DAY MINIMUM	38	32	32
INSTANTANEOUS PEAK FLOW		1120	3490
INSTANTANEOUS PEAK STAGE		6.14	8.80
ANNUAL RUNOFF (CFSM)	3.76	2.57	3.24
ANNUAL RUNOFF (INCHES)	51.04	34.89	44.01
10 PERCENT EXCEEDS	115	82	109
50 PERCENT EXCEEDS	68	56	57
90 PERCENT EXCEEDS	43	35	41

e Estimated

MOBILE RIVER BASIN
0247100550 EIGHTMILE CREEK AT MOBILE, AL--Continued
WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
DEC 10...	0745	15.4	9.7	768	58	2.13	--	--	45	45	8.7	86
FEB 26...	0820	12.6	9.4	765	47	1.72	--	--	42	43	9.9	93
MAY 20...	0830	19.8	16.7	763	29	1.39	--	20	44	45	8.2	90
SEP 02...	0830	23.3	22.9	766	37	1.28	5.4	30	45	50	6.9	81

DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)
DEC 10...	6.5	6.9	6.7	11	0	11	9	--	150	130	.63
FEB 26...	6.7	6.8	--	--	0	9	7	--	K80	K46	--
MAY 20...	6.9	6.9	--	--	0	10	8	--	--	78	--
SEP 02...	6.9	6.9	--	--	0	11	9	<1	K1800	520	--

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
DEC 10...	.25	--	.020	<.010	<.010	<.20	.27	.360	.360	.03	--
FEB 26...	--	.030	.020	<.010	<.010	<.20	<.20	.430	.430	.03	.04
MAY 20...	--	.020	.020	<.010	<.010	<.20	<.20	.320	.320	.03	.03
SEP 02...	--	.050	.050	<.010	<.010	<.20	<.20	.300	.290	.06	.06

DATE	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHATE, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)
DEC 10...	2.8	--	--	.020	.020	<.010	<.010	.40	.30	.50	<.10
FEB 26...	--	.01	--	.004	.002	<.001	.002	.20	.10	.20	<.10
MAY 20...	--	.00	.00	.007	.003	.001	.001	1.2	1.0	.40	--
SEP 02...	--	.01	.00	.013	.005	.001	.002	1.8	--	.50	--

MOBILE RIVER BASIN

0247100550 EIGHTMILE CREEK AT MOBILE, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CHLORIDE, DIS- SOLVED (MG/L AS CL) (00940)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
DEC 10...	4.6	<.050	12	3	3.5	.90	3.0	.4	33	.50	2.3
FEB 26...	4.6	<.050	10	3	2.7	.80	3.1	.4	39	.50	2.6
MAY 20...	4.9	--	11	3	3.0	.90	3.2	.4	37	.50	2.5
SEP 02...	4.8	<.050	13	4	3.4	1.0	3.1	.4	34	.60	2.4

DATE	FLUORIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
DEC 10...	<.10	6.7	12	1100	170	53	42	35	29	5.48	.05
FEB 26...	<.10	5.9	10	550	120	34	28	28	27	3.55	.04
MAY 20...	<.10	5.7	11	850	220	41	22	31	27	2.43	.04
SEP 02...	<.10	6.3	12	1100	240	70	26	38	29	3.80	.05

DATE	TIME	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, DIS- SOLVED (UG/L AS CR) (01030)
SEP 02...	0830	<1	<1	26	28	<.50	<.5	<.50	<1	<1.0

DATE	CHROMIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
SEP 02...	<1	<1.0	<1	<1.0	<1	<1.0	<1	<1.0	<1	<1.0

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)
SEP 02...	1.6	<1.0	<1	89	14	<1	<1	<.1	<.10

MOBILE RIVER BASIN

02471078 FOWL RIVER AT HALF MILE ROAD NEAR LAURENDINE, AL

LOCATION.--Lat 30°30'02", long 88°10'53", in NE¹/₄ sec. 28, T. 6 S., R. 2 W., Mobile County, Hydrologic Unit 03160205, at bridge on Half Mile Road about 1 mi west of Laurendine.

DRAINAGE AREA.--16.5 mi².

PERIOD OF RECORD.--March 1995 to current year.

REVISED RECORD.--WDR AL-97-1: 1995-96 (P).

GAGE.--Water-stage recorder. Datum of gage is 16.96 ft above sea level.

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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	32	32	32	42	29	135	23	24	27	26	24
2	76	33	32	56	34	28	41	23	25	26	24	35
3	63	33	32	112	33	31	36	22	23	25	23	32
4	57	32	32	39	32	28	34	22	22	25	23	33
5	55	32	32	35	31	27	33	23	21	27	35	30
6	54	31	32	33	30	28	32	23	21	26	26	119
7	56	31	32	33	30	28	31	22	21	29	24	36
8	84	31	32	32	30	27	30	40	21	91	24	27
9	53	31	33	129	30	68	30	25	22	67	40	27
10	46	34	31	132	30	60	29	22	20	33	49	25
11	44	111	31	42	30	31	29	26	25	40	32	24
12	42	58	61	38	29	30	28	30	56	57	41	23
13	41	35	135	36	28	44	27	31	26	64	27	23
14	40	34	43	36	28	314	27	25	34	33	26	22
15	40	122	36	34	28	70	27	23	31	28	35	22
16	40	73	33	33	28	38	26	22	39	27	26	21
17	39	42	32	33	29	34	26	22	39	27	25	21
18	39	37	31	33	29	33	26	21	25	27	26	21
19	38	35	33	33	28	32	26	23	23	27	24	22
20	37	34	32	33	27	31	26	21	22	30	24	28
21	37	35	32	33	28	33	26	21	21	26	23	24
22	35	43	32	34	27	30	26	20	21	24	24	23
23	34	66	31	64	27	29	26	21	21	23	27	22
24	34	57	31	42	27	29	26	29	22	24	32	22
25	34	39	33	35	27	29	25	23	23	24	30	22
26	34	36	37	33	27	30	25	22	124	25	28	21
27	33	34	33	33	27	28	25	22	214	30	33	22
28	33	33	48	33	35	28	25	31	48	29	44	23
29	33	33	50	33	---	28	25	39	31	25	27	23
30	33	32	35	36	---	29	24	27	28	45	25	22
31	33	---	32	64	---	247	---	26	---	32	25	---
TOTAL	1436	1309	1181	1424	831	1551	952	770	1093	1043	898	839
MEAN	46.3	43.6	38.1	45.9	29.7	50.0	31.7	24.8	36.4	33.6	29.0	28.0
MAX	119	122	135	132	42	314	135	40	214	91	49	119
MIN	33	31	31	32	27	27	24	20	20	23	23	21
CFSM	2.81	2.64	2.31	2.78	1.80	3.03	1.92	1.51	2.21	2.04	1.76	1.69
IN.	3.24	2.95	2.66	3.21	1.87	3.50	2.15	1.74	2.46	2.35	2.02	1.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1999, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999
MEAN	42.4	43.5	37.5	74.0	48.2
MAX	67.0	60.9	48.2	175	63.2
(WY)	1996	1996	1996	1998	1996
MIN	23.7	21.4	30.4	32.1	29.7
(WY)	1997	1997	1997	1999	1999

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1995 - 1999

ANNUAL TOTAL	24663	13327			
ANNUAL MEAN	67.6	36.5			
HIGHEST ANNUAL MEAN					51.5
LOWEST ANNUAL MEAN					66.4
HIGHEST DAILY MEAN	2070	Sep 28	314	Mar 14	2220
LOWEST DAILY MEAN	21	Aug 28-31	20	May 22, Jun 10	20
ANNUAL SEVEN-DAY MINIMUM	22	Aug 25	21	Jun 4	20
INSTANTANEOUS PEAK FLOW			521	Mar 14	6940
INSTANTANEOUS PEAK STAGE			7.05	Mar 14	12.56
ANNUAL RUNOFF (CFSM)	4.10		2.21		3.12
ANNUAL RUNOFF (INCHES)	55.60		30.05		42.41
10 PERCENT EXCEEDS	94		53		62
50 PERCENT EXCEEDS	35		31		31
90 PERCENT EXCEEDS	25		22		23

MOBILE RIVER BASIN

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN

02399499 WEISS LAKE NEAR LEESBURG, AL

LOCATION.--Lat 34°10'19", long 85°45'14", in SE $\frac{1}{4}$ 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 sea level.

REMARKS.--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, 330,000 acre-ft, May 18, elevation, 564.77 ft; minimum daily contents, 148,400 acre-ft, Dec. 28, elevation, 557.50 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30	561.28	231,400	--	--
Oct. 31	561.14	203,800	-27,600	-449
Nov. 30	559.76	194,900	-8,900	-150
Dec. 31	557.71	152,400	-42,500	-691
CAL YR 1998			-11,200	-15
Jan. 31	559.43	187,800	+35,400	+576
Feb. 28	560.79	224,200	+36,400	+655
Mar. 31	562.70	268,900	+44,700	+727
Apr. 30	563.74	298,600	+29,700	+499
May 31	564.34	316,700	+18,100	+294
June 30	563.45	290,100	-26,600	-447
July 31	563.04	278,400	-11,700	-190
Aug. 31	562.31	258,200	-20,200	-329
Sept. 30	560.07	202,200	-56,000	-941
WTR YR 1999			-31,200	-40

MOBILE RIVER BASIN

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN--Continued

02401620 H. NEELY HENRY RESERVOIR NEAR GADSDEN, AL

LOCATION.--Lat 33°47'02", long 86°03'10", in N¹/₂ sec. 31, T. 14 S., R. 6 E., Calhoun County, Hydrologic Unit 03150106, at forebay of Henry Dam on Coosa River, 16 mi south of Gadsden, and at mile 146.8.

DRAINAGE AREA.--6,596 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by Alabama Power Company).

REMARKS.--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, 43,600 acre-ft, Feb. 13, 1997, elevation, 498.45 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 124,500 acre-ft, June 25, elevation, 508.32 ft; minimum daily contents, 68,400 acre-ft, Jan. 16, elevation, 503.32 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30	506.54	105,300	--	--
Oct. 31	507.06	110,600	+5,300	+86
Nov. 30	504.86	89,200	-21,400	-360
Dec. 31	504.81	88,800	-400	-7
CAL YR 1998			+4,300	+6
Jan. 31	504.94	89,900	+1,100	+18
Feb. 28	504.62	87,100	-2,800	-50
Mar. 31	504.81	88,800	+1,700	+27
Apr. 30	507.82	118,800	+30,000	+504
May 31	508.12	122,200	+3,400	+55
June 30	507.32	113,400	-8,800	-148
July 31	507.43	114,600	+1,200	+20
Aug. 31	506.54	105,300	-9,300	-151
Sept. 30	506.43	104,200	-1,100	-19
WTR YR 1999			-1,100	-2

MOBILE RIVER BASIN

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN--Continued

02405200 LOGAN MARTIN RESERVOIR NEAR CHILDERSBURG, AL

LOCATION.--Lat 33°24'33", long 86°20'17", in NW¹/₄ 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, 10 mi north of Childersburg, and at mile 98.5.

DRAINAGE AREA.--7,743 mi².

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

PERIOD OF RECORD.--July 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--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, 285,900 acre-ft, May 19, elevation, 465.81 ft; minimum daily, 194,600 acre-ft, Jan. 26, elevation, 459.04 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30	463.36	249,300	--	--
Oct. 31	461.90	229,400	-19,900	-324
Nov. 30	460.75	214,800	-14,600	-245
Dec. 31	459.69	202,100	-12,700	-207
CAL YR 1998			-7,900	-11
Jan. 31	459.98	205,500	+3,400	+55
Feb. 28	459.99	205,600	+100	+2
Mar. 31	460.16	207,600	+2,000	+32
Apr. 30	465.08	274,500	+66,900	+1,120
May 31	464.40	258,400	-16,100	-262
June 30	464.98	273,000	+14,600	+245
July 31	464.78	270,000	-3,000	-49
Aug. 31	463.38	249,500	-20,500	-333
Sept. 30	462.51	237,600	-11,900	-194
WTR YR 1999			-11,700	-16

MOBILE RIVER BASIN

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN--Continued

02407950 LAY LAKE NEAR CLANTON, AL

LOCATION.--Lat 32°57'54", long 86°31'03", in NE¹/₄ 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, 11 mi northeast of Clanton, and at mile 51.0.

DRAINAGE AREA.--9,053 mi².

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

GAGE.--Water-stage recorder with remote indicating gages. Prior to May 14, 1968, staff gage. Datum of gage is sea level (levels by Alabama Power Co.). Prior to Jan. 1, 1966, at old Coosa River datum, 37.9 ft lower.

REMARKS.--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.

02409400 MITCHELL LAKE NEAR CLANTON, AL

LOCATION.--Lat 32°48'30", long 86°26'30", in NE¹/₄ 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, 11 mi southeast of Clanton, and at mile 36.8.

DRAINAGE AREA.--9,778 mi².

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

GAGE.--Staff gage. Datum of gage is sea level (levels by Alabama Power Co.). Prior to Jan. 1, 1966, at old Coosa River datum, 38.08 ft lower.

REMARKS.--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 NEAR WETUMPKA, AL

LOCATION.--Lat 32°37'07", long 86°15'19", in N¹/₂ 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, 5 mi northwest of Wetumpka, and at mile 18.9.

DRAINAGE AREA.--10,102 mi².

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

GAGE.--Water-stage recorder with remote indicating gages. Prior to February 1967, staff gage. Datum of gage is sea level (levels by Alabama Power Co.). Prior to Jan. 1, 1966, at old Coosa River datum 38.0 ft lower.

REMARKS.--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 (July 1, 1967 to Feb. 9, 1975, and Aug. 15, 1980 to current year). Lat 32°34'58", long 86°17'02", in SW¹/₄ 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.

COMBINED LAY, MITCHELL, AND JORDAN LAKES

MONTHEND CONTENTS AT 2400, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Contents (acre-feet)	Change in contents	
		(acre-feet)	(equivalent in cubic feet per second)
Sept. 30	665,400	--	--
Oct. 31	662,100	-3,300	-54
Nov. 30	662,500	+400	+7
Dec. 31	661,200	-1,300	-21
CAL YR 1998		-5,500	-8
Jan. 31	662,400	+1,200	+20
Feb. 28	663,100	+700	+13
Mar. 31	665,800	+2,700	+44
Apr. 30	658,900	-6,900	-116
May 31	659,500	+600	+10
June 30	664,700	+5,200	+87
July 31	660,500	-4,200	-68
Aug. 31	656,700	-3,800	-62
Sept. 30	641,200	-15,500	-261
WTR YR 1999		-24,200	-33

MOBILE RIVER BASIN

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN--Continued

02413950 HARRIS RESERVOIR NEAR WEDOWEE, AL

LOCATION.--Lat 33°15'37", long 85°37'00", in NW¹/₄ 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, 7 mi west of Wedowee, and at mile 139.0.

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 sea level (levels by Alabama Power Company).

REMARKS.--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, 432,300 acre-ft, Oct. 6, 1995, elevation, 793.61 ft; minimum daily contents, 316,300 acre-ft, Oct. 4, 6-9, 1986, elevation, 781.44 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 425,500 acre-ft, July 11, elevation, 792.98 ft; minimum daily, 338,400 acre-ft, Jan. 22, elevation 784.01 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30	787.26	368,100	--	--
Oct. 31	786.96	339,100	-29,000	-472
Nov. 30	784.97	346,900	+7,800	+131
Dec. 31	784.65	344,100	-2,800	-46
CAL YR 1998			+4,500	+6
Jan. 31	784.48	342,500	-1,600	-26
Feb. 28	784.66	344,200	+1,700	+31
Mar. 31	784.93	346,600	+2,400	+39
Apr. 30	791.59	410,900	+64,300	+1,080
May 31	792.47	420,100	+9,200	+150
June 30	792.59	421,300	+1,200	+20
July 31	790.33	398,000	-23,300	-379
Aug. 31	788.22	377,200	-20,800	-338
Sept. 30	785.51	351,800	-25,400	-427
WTR YR 1999			-16,300	-22

MOBILE RIVER BASIN

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN--Continued

02417500 LAKE MARTIN NEAR TALLASSEE, AL

LOCATION.--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 Sougahatchee Creek, 10 mi north of Tallassee, and at mile 60.6.

DRAINAGE AREA.--2,984 mi².

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

PERIOD OF RECORD.--October 1927 to current year.

GAGE.--Remote indicating gage referenced to wire weight gage. Datum of gage is sea level (levels by Alabama Power Co.), adjustment unknown.

REMARKS.--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, 1,610,200 acre-ft, June 30, elevation, 489.69 ft; minimum daily, 1,237,500 acre-ft, Jan. 11, elevation, 479.32 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30	486.25	1,479,600	--	--
Oct. 31	484.56	1,417,900	-61,700	-1,000
Nov. 30	481.95	1,326,000	-91,900	-1,540
Dec. 31	479.33	1,237,800	-88,200	-1,430
CAL YR 1998			-77,900	-108
Jan. 31	480.32	1,270,700	+32,900	+535
Feb. 28	480.63	1,281,100	+10,400	+187
Mar. 31	486.61	1,492,900	+211,800	+3,440
Apr. 30	487.68	1,533,000	+40,100	+674
May 31	488.99	1,583,100	+50,100	+815
June 30	489.69	1,610,200	+27,100	+455
July 31	488.82	1,576,500	-33,700	-548
Aug. 31	486.91	1,504,100	-72,400	-1,180
Sept. 30	484.80	1,426,600	-77,500	-1,300
WTR YR 1999			-53,000	-73

MOBILE RIVER BASIN

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN--Continued

02451950 LEWIS SMITH RESERVOIR NEAR JASPER, AL

LOCATION.--Lat 33°56'26", long 87°06'28", in W¹/₂ 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 sea level (levels by Alabama Power Co.), adjustment unknown.

REMARKS.--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, 1,476,100 acre-ft, May 8, elevation, 513.93 ft; minimum daily, 1,064,700 acre-ft, Nov. 7, elevation, 492.44 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30	495.00	1,106,800	--	--
Oct. 31	493.14	1,076,100	-30,700	-494
Nov. 30	493.15	1,076,200	+100	+2
Dec. 31	499.28	1,180,800	+104,600	+1,700
CAL YR 1998			-85,600	-118
Jan. 31	511.18	1,415,300	+234,500	+3,810
Feb. 28	507.68	1,341,700	-73,600	-1,330
Mar. 31	509.64	1,382,400	+40,700	+662
Apr. 30	510.69	1,404,700	+22,300	+375
May 31	511.68	1,426,100	+21,400	+348
June 30	510.06	1,391,300	-34,800	-585
July 31	506.89	1,325,600	-65,700	-1,070
Aug. 31	501.35	1,218,500	-107,100	-1,740
Sept. 30	496.18	1,126,700	-91,800	-1,540
WTR YR 1999			+19,900	+27

PASCAGOULA RIVER BASIN

02479431 POND CREEK NEAR DEER PARK, AL

LOCATION.--Lat 31°09'39", long 88°21'43", in SW¹/₄SW¹/₄ 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.--20.4 mi².

PERIOD OF RECORD.--October 1976 to September 1999 (discontinued).

REVISED RECORD.--WDR AL-84-1: Drainage area. WDR: AL-95-1: 1994.

GAGE.--Water-stage recorder. Elevation of gage is 128 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 27 to Dec. 3, Jan. 22 to Mar. 4. Records fair except for the periods of missing 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	452	6.2	e11	20	e180	e35	111	2.0	20	6.0	1.2	.63
2	164	7.1	e10	70	e100	e20	80	1.6	9.3	3.5	1.0	.58
3	80	9.4	e9.5	157	e80	e22	45	1.4	4.9	2.4	.82	.57
4	53	9.3	9.2	113	e70	e18	34	1.2	3.0	1.7	.62	1.8
5	100	7.9	11	56	e60	15	29	1.1	9.2	1.3	.45	3.0
6	123	7.0	16	34	e50	27	26	5.3	6.7	.95	.33	3.7
7	123	6.3	13	29	e40	44	24	6.0	6.5	6.3	.29	9.4
8	197	6.0	12	27	e38	39	22	6.0	3.2	87	.27	52
9	132	5.8	11	55	e35	142	19	4.0	2.3	34	2.1	94
10	69	24	9.0	56	e32	192	13	2.2	1.5	11	8.5	74
11	44	44	8.1	42	e30	87	7.9	1.5	2.4	5.9	25	23
12	33	43	18	28	e28	52	6.5	1.5	74	174	19	8.5
13	26	31	36	22	e27	219	5.5	2.9	95	186	6.6	4.7
14	22	18	30	19	e26	939	4.9	4.8	48	84	2.8	2.7
15	20	22	20	17	e25	283	4.4	2.7	76	29	1.4	1.6
16	18	39	14	15	e24	159	3.6	1.6	82	13	.85	1.0
17	16	48	11	14	e50	95	3.0	1.0	103	26	.68	.73
18	15	39	9.3	14	e100	72	2.7	.74	81	45	.62	.55
19	14	24	8.7	13	e80	61	2.6	.61	31	85	.57	.49
20	13	18	8.9	11	e50	53	2.5	.52	6.8	43	.57	.41
21	13	18	9.4	11	e40	47	2.4	.44	3.0	22	.57	.39
22	11	19	9.5	e11	e35	41	2.2	.40	1.9	11	.57	.34
23	9.0	40	9.1	e50	e30	37	2.2	1.2	1.5	7.2	.56	.29
24	7.8	47	12	e100	e26	34	2.1	3.5	1.3	6.2	.52	.27
25	7.4	51	24	e70	e23	36	1.9	5.0	9.3	4.0	1.1	.25
26	7.1	33	29	e45	e21	40	1.8	2.9	65	4.4	5.3	.40
27	6.8	e20	24	e38	e20	37	4.9	1.8	123	6.4	5.1	.52
28	6.5	e16	39	e33	e30	31	5.0	2.0	75	4.8	2.6	.53
29	6.3	e14	54	e30	---	28	3.2	9.6	23	3.0	1.6	.90
30	6.3	e12	52	e100	---	28	2.6	22	12	2.0	1.3	.92
31	6.3	---	31	e250	---	93	---	39	---	1.6	.77	---
TOTAL	1801.5	685.0	568.7	1550	1350	3026	474.9	136.51	980.8	917.65	93.66	288.17
MEAN	58.1	22.8	18.3	50.0	48.2	97.6	15.8	4.40	32.7	29.6	3.02	9.61
MAX	452	51	54	250	180	939	111	39	123	186	25	94
MIN	6.3	5.8	8.1	11	20	15	1.8	.40	1.3	.95	.27	.25
CFSM	2.85	1.12	.90	2.45	2.36	4.78	.78	.22	1.60	1.45	.15	.47
IN.	3.29	1.25	1.04	2.83	2.46	5.52	.87	.25	1.79	1.67	.17	.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1999, BY WATER YEAR (WY)

	MEAN	14.0	30.4	43.4	66.8	75.6	70.6	54.1	34.7	22.3	21.2	11.8	22.4
MAX	90.8	104	103	134	166	143	276	184	122	68.5	35.6	167	
(WY)	1986	1993	1996	1998	1983	1979	1983	1991	1978	1989	1998	1998	
MIN	.19	.54	8.63	10.8	8.90	22.0	13.6	.77	.12	.80	1.81	.43	
(WY)	1988	1982	1981	1981	1989	1982	1981	1988	1988	1986	1990	1995	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1977 - 1999	
ANNUAL TOTAL	20643.32		11872.89			
ANNUAL MEAN	56.6		32.5		38.7	
HIGHEST ANNUAL MEAN					69.9	
LOWEST ANNUAL MEAN					21.7	
HIGHEST DAILY MEAN	2150	Sep 28	939	Mar 14	2840	Apr 7 1983
LOWEST DAILY MEAN	.08	Jun 30	.25	Sep 25	.06	Jun 19 1988
ANNUAL SEVEN-DAY MINIMUM	.36	Jun 25	.34	Sep 20	.07	Jun 17 1988
INSTANTANEOUS PEAK FLOW			1730	Mar 14	3780	Apr 7 1983
INSTANTANEOUS PEAK STAGE			13.54	Mar 14	21.00	Apr 7 1983
ANNUAL RUNOFF (CFSM)	2.77		1.59		1.90	
ANNUAL RUNOFF (INCHES)	37.64		21.65		25.79	
10 PERCENT EXCEEDS	113		80		88	
50 PERCENT EXCEEDS	18		13		14	
90 PERCENT EXCEEDS	1.3		.88		.82	

e Estimated

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30°48'12", long 88°27'31", in SW¹/₄SW¹/₄ sec. 2, T. 3 S., R. 5 W., George County, Miss., 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.

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

REVISED RECORD.--WDR AL-84-1: Drainage area. WDR AL-98-1: 1983.

GAGE.--Water-stage recorder. Elevation of gage is 50 ft above sea level, from topographic map.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of approximately 72 ft above sea level, as determined from historical data. Peak discharge of this flood is unknown but probably has not been exceeded since 1929.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,200 ft³/s, Oct. 1; stage falling, peak occurred Sept. 30, 1998.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23900	472	446	552	4230	701	1840	231	671	1000	285	141
2	19200	466	430	771	5210	697	1440	222	707	615	270	138
3	12700	478	416	2480	7180	658	1090	215	473	405	283	142
4	7970	476	407	2290	8070	619	917	210	327	303	230	141
5	3710	463	402	1420	5080	550	793	207	290	284	204	137
6	3340	452	404	1110	2260	508	686	221	423	256	187	151
7	3710	436	412	1010	1540	612	597	290	296	224	173	158
8	5680	430	422	923	1210	779	524	298	234	783	169	181
9	5290	424	450	1090	994	1230	478	251	208	3150	176	512
10	3810	430	429	1450	886	2420	440	218	192	1550	168	645
11	2950	975	406	1050	901	2750	407	211	223	664	192	575
12	2320	1220	394	797	904	2660	377	237	308	662	240	349
13	1780	804	517	673	868	2980	349	243	326	1510	215	234
14	1370	613	655	598	805	4580	329	227	594	1560	183	189
15	1130	637	606	544	745	6080	327	207	648	1150	164	163
16	997	861	498	500	689	7310	343	195	860	837	151	147
17	908	869	430	476	631	7990	323	186	954	968	150	137
18	842	770	395	459	657	6880	303	179	1300	837	163	131
19	792	662	379	435	771	3560	288	174	1510	844	150	129
20	750	596	370	416	806	1870	280	172	1130	1390	144	131
21	715	553	365	404	793	1530	278	167	681	807	139	131
22	668	512	359	397	749	1220	272	163	382	489	136	127
23	626	612	349	1230	692	964	264	169	334	359	133	123
24	591	1030	354	2220	639	852	259	205	261	330	152	121
25	567	962	418	1750	577	774	249	200	270	294	195	120
26	550	779	475	1360	518	747	241	183	1360	300	156	119
27	530	655	465	1390	484	691	243	176	2310	285	150	122
28	514	565	530	1230	593	632	262	181	1470	249	159	132
29	503	501	829	1020	---	597	257	290	1310	238	151	203
30	490	464	797	1020	---	585	242	380	1410	262	140	242
31	480	---	667	2900	---	1310	---	587	---	382	139	---
TOTAL	109383	19167	14476	33965	49482	65336	14698	7095	21462	22987	5547	5971
MEAN	3528	639	467	1096	1767	2108	490	229	715	742	179	199
MAX	23900	1220	829	2900	8070	7990	1840	587	2310	3150	285	645
MIN	480	424	349	397	484	508	241	163	192	224	133	119
CFSM	6.28	1.14	.83	1.95	3.14	3.75	.87	.41	1.27	1.32	.32	.35
IN.	7.24	1.27	.96	2.25	3.28	4.32	.97	.47	1.42	1.52	.37	.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1999, BY WATER YEAR (WY)

	MEAN	576	870	1212	1877	2093	2081	1757	1335	772	659	571	741
MAX	3528	2587	2597	4452	4280	4383	5986	6818	2572	1668	2675	2386	
(WY)	1999	1980	1983	1998	1990	1979	1983	1991	1978	1994	1975	1974	
MIN	126	152	364	365	412	742	490	210	169	245	179	185	
(WY)	1982	1982	1982	1981	1989	1982	1999	1988	1988	1986	1999	1990	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1974 - 1999
ANNUAL TOTAL	580564	369569	
ANNUAL MEAN	1591	1013	1207
HIGHEST ANNUAL MEAN			1922
LOWEST ANNUAL MEAN			740
HIGHEST DAILY MEAN	26800	23900	26800
LOWEST DAILY MEAN	140	119	106
ANNUAL SEVEN-DAY MINIMUM	152	123	110
INSTANTANEOUS PEAK FLOW		8350	27800
INSTANTANEOUS PEAK STAGE		16.43	22.81
ANNUAL RUNOFF (CFSM)	2.83	1.80	2.15
ANNUAL RUNOFF (INCHES)	38.43	24.46	29.19
10 PERCENT EXCEEDS	3680	1800	2750
50 PERCENT EXCEEDS	615	490	640
90 PERCENT EXCEEDS	204	163	196

PASCAGOULA RIVER BASIN

02479945 BIG CREEK AT COUNTY ROAD 63 NEAR WILMER, AL

LOCATION.--Lat 30°51'21", long 88°20'22", in SE¹/₄ sec. 24, T. 2 S., R. 2 W., Mobile County, Hydrologic Unit 03170008, on downstream side of bridge at County Road 63, about 2.9 mi northeast of Wilmer, and 3.2 mi north of U.S. Highway 98.

DRAINAGE AREA.--31.5 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Altitude of gage is 125 ft, from topographic map.

REMARKS.--Estimated daily discharges: Dec. 8-10, 24. 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	52	49	46	119	56	143	23	44	23	22	15
2	155	52	48	122	76	41	61	22	30	20	21	15
3	124	49	48	218	56	46	46	22	25	19	23	16
4	105	46	47	107	52	42	43	21	22	18	18	15
5	99	45	48	59	46	37	40	23	25	19	17	15
6	109	45	49	53	44	37	38	24	24	19	15	17
7	291	44	50	52	44	37	41	27	25	18	15	16
8	435	44	e56	50	44	35	35	22	22	61	15	23
9	185	45	e59	103	44	81	33	20	20	158	16	82
10	129	52	e53	104	43	79	32	20	19	69	16	38
11	101	107	48	59	47	45	30	22	25	30	16	22
12	86	79	50	50	41	51	29	31	64	86	16	19
13	79	59	61	48	40	129	27	31	43	116	14	17
14	73	49	51	46	38	266	31	25	57	59	14	16
15	77	106	46	45	38	145	28	22	44	30	13	15
16	69	142	44	42	38	71	26	20	55	25	13	15
17	64	105	44	43	47	55	26	20	47	23	14	14
18	62	62	43	42	100	49	25	20	28	22	14	14
19	61	58	44	39	54	46	25	21	23	26	14	15
20	60	51	44	39	44	43	26	20	20	25	15	16
21	57	49	44	40	43	51	25	19	19	22	14	19
22	52	46	44	41	41	49	25	18	20	19	14	15
23	50	126	44	194	39	41	27	22	21	20	14	15
24	50	133	e47	147	42	39	25	35	25	28	27	15
25	51	78	69	66	39	40	24	24	51	21	29	15
26	49	60	60	52	36	44	24	21	207	24	20	15
27	49	54	50	48	36	38	25	21	215	21	16	15
28	48	51	76	47	72	36	27	21	69	18	15	16
29	48	49	100	48	---	40	28	66	32	17	14	37
30	48	49	61	71	---	46	24	137	27	18	14	44
31	47	---	48	136	---	145	---	75	---	38	15	---
TOTAL	3123	1987	1625	2257	1403	1960	1039	915	1348	1112	513	621
MEAN	101	66.2	52.4	72.8	50.1	63.2	34.6	29.5	44.9	35.9	16.5	20.7
MAX	435	142	100	218	119	266	143	137	215	158	29	82
MIN	47	44	43	39	36	35	24	18	19	17	13	14
CFSM	3.20	2.10	1.67	2.31	1.59	2.01	1.10	.94	1.43	1.14	.53	.66
IN.	3.69	2.35	1.92	2.67	1.66	2.32	1.23	1.08	1.59	1.31	.61	.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1999, BY WATER YEAR (WY)

	MEAN	43.1	60.2	67.3	105	91.2	92.6	72.0	85.7	58.6	62.9	43.2	48.2
MAX	101	119	120	167	155	131	130	300	103	108	64.3	225	
(WY)	1999	1993	1996	1991	1992	1996	1996	1991	1997	1997	1995	1998	
MIN	17.9	25.4	42.9	61.3	49.9	63.2	34.2	27.4	29.4	23.7	16.5	19.2	
(WY)	1993	1995	1991	1995	1994	1999	1992	1992	1992	1992	1999	1994	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1990 - 1999	
ANNUAL TOTAL	32779		17903			
ANNUAL MEAN	89.8		49.0		69.6	
HIGHEST ANNUAL MEAN					94.1	
LOWEST ANNUAL MEAN					49.0	
HIGHEST DAILY MEAN	3130	Sep 28	435	Oct 8	3130	Sep 28 1998
LOWEST DAILY MEAN	20	Sep 9	13	Aug 15, 16	13	Jul 11, 12 1992
ANNUAL SEVEN-DAY MINIMUM	21	Sep 4	14	Aug 13	14	Aug 13 1999
INSTANTANEOUS PEAK FLOW			654	Oct 7	6910	May 10 1991
INSTANTANEOUS PEAK STAGE			8.35	Oct 7	14.21	May 10 1991
ANNUAL RUNOFF (CFSM)	2.85		1.56		2.21	
ANNUAL RUNOFF (INCHES)	38.74		21.16		30.05	
10 PERCENT EXCEEDS	144		100		141	
50 PERCENT EXCEEDS	53		42		40	
90 PERCENT EXCEEDS	26		16		21	

e Estimated

PASCAGOULA RIVER BASIN

02479945 BIG CREEK AT COUNTY ROAD 63 NEAR WILMER, AL--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1990 to September 1992.

WATER TEMPERATURE: August 1990 to December 1992.

INSTRUMENTATION.--Water-quality minimonitor August 1990 to December 1992.

REMARKS.--Miscellaneous samples of chemical data published for current year.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 220 microSiemens, March 28, 1991; minimum, 15 microSiemens, May 11, 1991, Mar. 11, 1992.

WATER TEMPERATURE: Maximum, 27.4°C, August 26, 1990; minimum, 5.4°C, January 20, 1992.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
DEC 07...	1545	20.5	23.8	758	51	3.35	--	--	25	25	7.4	83
FEB 22...	1345	11.4	10.5	770	41	3.01	--	--	24	25	9.5	86
MAY 18...	1300	21.7	29.7	759	20	2.13	--	30	25	27	7.5	86
AUG 27...	1000	24.5	26.9	764	16	2.02	2.3	50	27	29	6.4	76
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)
DEC 07...	5.7	5.9	15	4	0	0	0	--	150	150	.65	--
FEB 22...	6.5	5.9	3.1	5	0	2	2	--	K28	K30	--	--
MAY 18...	6.3	6.3	--	--	0	2	2	--	--	76	--	--
AUG 27...	6.1	6.3	--	--	0	3	2	2	260	560	--	.62
DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
DEC 07...	.24	--	--	.010	<.010	<.010	<.20	.25	.400	.390	.01	--
FEB 22...	--	--	.020	.030	<.010	<.010	<.20	<.20	.430	.420	.04	.03
MAY 18...	--	--	.020	.020	<.010	<.010	<.20	<.20	.500	.470	.03	.03
AUG 27...	--	.28	.030	.030	<.010	<.010	.31	<.20	.310	.310	.04	.04
DATE	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	
DEC 07...	2.9	--	--	.020	.020	<.010	<.010	2.8	2.6	1.1	<.10	
FEB 22...	--	--	--	.005	.002	<.001	<.001	1.8	1.7	.60	<.10	
MAY 18...	--	.00	.00	.007	.004	.001	.001	2.4	2.1	.70	--	
AUG 27...	--	--	--	.010	.004	<.001	<.001	3.6	3.1	1.0	--	

PASCAGOULA RIVER BASIN

02479945 BIG CREEK AT COUNTY ROAD 63 NEAR WILMER, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
DEC 07...	3.8	<.050	6	--	.90	.80	1.7	.3	38	.40	.60
FEB 22...	3.8	<.050	5	3	.80	.70	1.8	.4	43	.30	.80
MAY 18...	4.0	--	6	4	.90	.90	1.9	.3	39	.40	.50
AUG 27...	4.3	<.050	6	4	.90	.90	1.9	.3	39	.50	.80
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
DEC 07...	<.10	7.0	8.2	750	260	34	29	28	20	3.86	.04
FEB 22...	<.10	5.8	7.0	360	180	24	21	23	17	2.52	.03
MAY 18...	<.10	5.4	7.0	500	280	19	15	26	17	1.40	.04
AUG 27...	<.10	6.7	8.6	1200	570	26	18	25	20	1.09	.03
DATE	TIME	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	
AUG 27...	1000	<1	<1	29	30	<.5	<.5	<.5	<.5	<1	
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
AUG 27...	<1	<1	<1	<1	<1	<1	10	<1	<1	8.6	
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)		
AUG 27...	3.2	<1	<1	76	40	<1	<1	<.1	<.1		

PASCAGOULA RIVER BASIN

02479980 CROOKED CREEK NEAR FAIRVIEW, AL

LOCATION.--Lat 30°46'48", long 88°19'08", in SW¹/₄ sec. 18, T. 3 S., R. 3 W., Mobile County, Hydrologic Unit 03170008, on right bank 1 mi southwest of Fairview, and 4 mi southeast of Wilmer.

DRAINAGE AREA.--8.08 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORD.--WDR AL-95-1: 1991. WDR AL-97-1: 1991-96, 1991-96 (M).

GAGE.--Water-stage recorder. Altitude of gage is 115 ft, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	17	15	14	25	16	23	12	14	13	10	9.5
2	38	17	15	62	20	15	18	11	11	13	10	9.6
3	32	17	15	33	19	21	17	11	11	13	9.9	18
4	28	16	15	16	18	15	17	11	10	15	9.5	25
5	33	16	15	15	16	14	16	12	12	20	10	14
6	27	16	15	15	16	15	15	12	10	13	10	17
7	106	16	15	14	17	14	15	11	9.8	15	9.6	21
8	141	16	15	13	16	13	15	10	9.6	19	9.5	12
9	36	16	14	86	16	67	14	10	9.4	13	9.4	15
10	27	21	14	24	16	20	14	10	9.4	16	9.4	11
11	25	47	15	16	16	16	14	12	20	21	9.2	9.0
12	25	18	21	15	16	20	13	19	17	47	9.3	8.7
13	24	16	21	14	15	116	12	16	11	27	8.9	8.7
14	23	17	16	14	15	252	13	12	14	15	8.9	8.3
15	22	48	14	13	15	35	13	10	21	13	9.0	8.3
16	22	30	14	13	15	25	12	10	16	13	8.5	8.4
17	21	20	14	13	16	21	12	11	14	13	9.0	8.8
18	21	18	14	12	16	19	12	11	11	12	9.3	8.3
19	21	17	14	13	15	18	13	10	10	11	11	8.6
20	20	17	14	12	14	17	12	9.9	9.8	12	23	14
21	19	16	14	13	15	17	12	9.6	9.7	11	13	9.6
22	18	17	13	14	14	16	12	10	17	11	11	8.5
23	17	40	14	118	14	15	13	14	18	14	9.9	8.2
24	17	22	14	20	14	16	12	17	15	15	24	8.2
25	18	18	17	15	14	17	12	11	27	12	26	8.3
26	18	17	15	14	14	16	14	11	202	15	11	8.2
27	17	16	14	14	14	15	16	14	97	12	9.9	8.1
28	17	15	29	13	28	15	13	11	20	11	12	8.3
29	17	15	19	14	---	15	12	13	16	11	12	19
30	17	15	14	41	---	16	12	16	15	11	9.8	25
31	17	---	14	70	---	85	---	19	---	13	9.9	---
TOTAL	932	607	482	773	459	992	418	376.5	686.7	470	351.9	354.6
MEAN	30.1	20.2	15.5	24.9	16.4	32.0	13.9	12.1	22.9	15.2	11.4	11.8
MAX	141	48	29	118	28	252	23	19	202	47	26	25
MIN	17	15	13	12	14	13	12	9.6	9.4	11	8.5	8.1
CFSM	3.72	2.50	1.92	3.09	2.03	3.96	1.72	1.50	2.83	1.88	1.40	1.46
IN.	4.29	2.79	2.22	3.56	2.11	4.57	1.92	1.73	3.16	2.16	1.62	1.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1999, BY WATER YEAR (WY)

	MEAN	14.2	15.8	17.7	28.4	19.9	23.9	18.3	21.8	18.0	20.8	14.6	16.8
	MAX	30.1	29.6	37.3	58.0	29.1	38.9	26.9	43.8	34.1	63.0	23.5	65.8
(WY)	1999	1998	1996	1998	1992	1998	1996	1991	1997	1997	1995	1998	1998
MIN	7.99	8.75	11.0	16.0	10.4	13.6	11.4	9.59	12.9	9.75	8.96	7.91	7.91
(WY)	1993	1995	1994	1994	1994	1994	1992	1994	1998	1992	1992	1994	1994

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1990 - 1999	
ANNUAL TOTAL	10438.0		6902.7		19.4	
ANNUAL MEAN	28.6		18.9		28.9	
HIGHEST ANNUAL MEAN					12.5	
LOWEST ANNUAL MEAN					826	
HIGHEST DAILY MEAN	826	Sep 28	252	Mar 14	826	Sep 28 1998
LOWEST DAILY MEAN	9.1	Jun 30, Jul 9	8.1	Sep 27	6.3	Sep 30 1994
ANNUAL SEVEN-DAY MINIMUM	9.6	Jun 14	8.3	Sep 22	6.6	Aug 30 1992
INSTANTANEOUS PEAK FLOW			* 747	Mar 14	* 1930	Dec 18 1995
INSTANTANEOUS PEAK STAGE			6.22	Mar 14	8.59	Dec 18 1995
ANNUAL RUNOFF (CFSM)	3.54		2.34		2.40	
ANNUAL RUNOFF (INCHES)	48.06		31.78		32.59	
10 PERCENT EXCEEDS	47		25		28	
50 PERCENT EXCEEDS	17		15		12	
90 PERCENT EXCEEDS	11		9.7		8.4	

* From rating curve extension above 100 ft³/s on basis of step-backwater rating analysis.

PASCAGOULA RIVER BASIN

02479980 CROOKED CREEK NEAR FAIRVIEW, AL--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1990 to September 1992.

WATER TEMPERATURE: August 1990 to September 1992

INSTRUMENTATION.--Water-quality minimonitor August 1990 to September 1992.

REMARKS.--Miscellaneous samples of chemical data published for current year.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 243 microSiemens, Mar. 11, 1991; minimum, 18 microSiemens, Dec. 12-14, 1990.

WATER TEMPERATURE: Maximum, 24.8°C, July 11, 1992; minimum, 6.3°C, Jan. 20, 1992.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC 08...	0815	20.7	22.1	760	15	1.39	--	--	38	38	8.2
FEB 24...	1435	13.6	19.4	769	14	1.17	--	--	34	35	9.7
MAY 17...	1430	21.9	31.7	768	11	.96	--	20	38	39	7.7
SEP 01...	1300	23.5	24.8	765	9.5	.79	1.8	30	42	46	7.1
DATE	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
DEC 08...	92	6.2	6.6	12	10	0	10	8	--	160	210
FEB 24...	92	6.5	6.6	--	--	0	7	6	--	120	100
MAY 17...	87	6.8	6.9	--	--	0	11	9	--	--	100
SEP 01...	83	7.1	6.9	--	--	0	12	10	<1	210	K170
DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)
DEC 08...	--	<.010	<.010	<.010	<.20	<.20	.330	.330	--	--	--
FEB 24...	<.010	<.010	<.010	<.010	<.20	<.20	.420	.420	--	--	--
MAY 17...	<.010	.010	<.010	<.010	<.20	<.20	.340	.340	.01	--	.01
SEP 01...	.020	.020	<.010	<.010	<.20	<.20	.330	.340	.03	.03	.01
DATE	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)
DEC 08...	--	.040	.020	<.010	<.010	1.0	.80	.60	<.10	4.1	<.050
FEB 24...	--	.006	.002	<.001	<.001	.60	.40	.30	<.10	4.1	<.050
MAY 17...	.00	.010	.006	.001	.002	1.9	1.7	.40	--	4.3	--
SEP 01...	.00	.009	.004	.001	.002	1.9	--	.40	--	4.3	<.050

PASCAGOULA RIVER BASIN

02479980 CROOKED CREEK NEAR FAIRVIEW, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
DEC 08...	10	2	2.7	.80	2.4	.3	33	.60	1.0	<.10
FEB 24...	8	2	2.1	.70	2.5	.4	38	.50	1.2	<.10
MAY 17...	10	1	2.6	.80	2.7	.4	36	.60	1.0	<.10
SEP 01...	11	2	3.1	.90	2.7	.3	32	.90	1.1	<.10
DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
DEC 08...	6.4	13	910	200	38	27	26	25	1.05	.04
FEB 24...	5.5	11	450	140	25	21	25	22	.94	.03
MAY 17...	5.8	12	780	380	27	17	32	25	.95	.04
SEP 01...	6.5	13	790	310	24	16	33	27	.84	.04
DATE	TIME	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)
SEP 01...	1300	<1	<1	26	26	<.5	<.5	<.5	<.5	<1
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
SEP 01...	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	
SEP 01...	2.2	<1	<1	33	13	<1	<1	<.1	<.1	

PASCAGOULA RIVER BASIN

02480002 HAMILTON CREEK AT SNOW ROAD NEAR SEMMES, AL

LOCATION.--Lat 30°43'33", long 88°16'35", in SE 1/4 sec. 4, T. 4 S., R. 3 W., Mobile County, Hydrologic Unit 03170008, on downstream side of bridge on Snow Road, 1.0 mi north of Tanner Williams Road, and 4 mi south of Semmes.

DRAINAGE AREA.--8.22 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR AL-95-1: 1991, 1993, 1994.

GAGE.--Water-stage recorder. Altitude of gage is 115 ft, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1-9. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e50	23	21	19	27	19	29	13	16	16	16	13
2	e40	23	21	59	23	17	21	13	14	15	15	14
3	e35	23	20	43	22	23	18	13	13	16	13	17
4	e32	22	20	23	22	18	17	13	13	16	13	18
5	e38	22	21	20	20	17	16	14	14	19	16	15
6	e30	22	21	20	20	17	15	14	12	16	14	18
7	e125	22	20	21	20	16	15	13	12	20	14	19
8	e170	22	20	20	20	16	15	13	12	21	14	15
9	e45	22	19	61	20	85	14	13	11	17	14	19
10	36	27	19	33	20	27	16	12	12	16	14	14
11	32	63	19	22	20	19	16	15	16	17	13	12
12	30	27	28	21	19	22	15	18	18	39	13	11
13	29	24	31	21	18	146	15	18	14	27	13	11
14	28	25	21	21	17	254	15	14	13	19	13	10
15	28	70	19	20	18	36	14	13	15	16	13	9.9
16	27	43	19	19	18	27	13	12	19	15	13	10
17	27	30	19	20	19	23	13	12	16	15	14	10
18	27	27	19	19	19	22	12	12	12	14	14	10
19	26	27	19	18	18	21	12	12	12	14	21	10
20	26	26	19	19	17	20	12	12	12	14	21	13
21	25	23	19	18	18	19	12	12	12	13	14	12
22	24	24	19	18	17	18	12	12	13	12	14	12
23	23	42	18	67	17	17	12	14	15	12	14	11
24	24	29	19	24	17	17	12	17	16	12	14	10
25	24	25	23	19	17	19	12	13	28	12	18	10
26	24	24	21	19	17	18	13	15	157	16	14	9.8
27	23	23	19	19	17	17	14	19	58	15	13	10
28	23	22	37	18	31	16	13	22	22	13	13	10
29	23	22	27	19	---	17	12	20	18	13	13	24
30	23	21	20	27	---	17	13	30	17	17	13	20
31	23	---	19	47	---	81	---	22	---	19	13	---
TOTAL	1140	845	656	814	548	1101	438	465	632	516	444	397.7
MEAN	36.8	28.2	21.2	26.3	19.6	35.5	14.6	15.0	21.1	16.6	14.3	13.3
MAX	170	70	37	67	31	254	29	30	157	39	21	24
MIN	23	21	18	18	17	16	12	12	11	12	13	9.8
CFSM	4.47	3.43	2.57	3.19	2.38	4.32	1.78	1.82	2.56	2.02	1.74	1.61
IN.	5.16	3.82	2.97	3.68	2.48	4.98	1.98	2.10	2.86	2.34	2.01	1.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1999, BY WATER YEAR (WY)

MEAN	20.1	21.1	23.4	31.5	23.3	28.7	24.5	26.4	23.9	25.3	18.8	26.3
MAX	36.8	36.8	50.5	60.2	33.5	42.5	39.5	51.2	37.4	67.8	25.9	118
(WY)	1999	1998	1996	1998	1992	1998	1996	1995	1997	1997	1995	1998
MIN	12.2	13.6	15.8	18.3	13.8	20.2	14.6	14.5	19.0	16.6	14.1	12.4
(WY)	1993	1991	1994	1994	1994	1994	1999	1994	1993	1999	1994	1995

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1990 - 1999	
ANNUAL TOTAL	13674		7996.7		24.7	
ANNUAL MEAN	37.5		21.9		37.9	
HIGHEST ANNUAL MEAN					17.5	
LOWEST ANNUAL MEAN					1998	
HIGHEST DAILY MEAN	2000	Sep 28	254	Mar 14	2000	Sep 28 1998
LOWEST DAILY MEAN	10	Sep 9, 10	9.8	Sep 26	9.8	Sep 26 1999
ANNUAL SEVEN-DAY MINIMUM	11	Sep 5	10	Sep 13	10	Sep 13 1999
INSTANTANEOUS PEAK FLOW			1210	Mar 14	3640	Sep 28 1998
INSTANTANEOUS PEAK STAGE			6.43	Mar 14	8.70	Sep 28 1998
ANNUAL RUNOFF (CFSM)	4.56		2.67		3.00	
ANNUAL RUNOFF (INCHES)	61.88		36.19		40.76	
10 PERCENT EXCEEDS	43		29		32	
50 PERCENT EXCEEDS	23		18		18	
90 PERCENT EXCEEDS	15		12		13	

e Estimated

PASCAGOULA RIVER BASIN

02480002 HAMILTON CREEK AT SNOW ROAD NEAR SEMMES, AL--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1990 to September 1992.

WATER TEMPERATURE: August 1990 to November 1992.

INSTRUMENTATION.--Water-quality minimonitor August 1990 to November 1992.

REMARKS.--Miscellaneous samples of chemical data published for current year.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 81 microSiemens, Nov. 18, 1991; minimum recorded, 7 microSiemens, May 26, 1991.

WATER TEMPERATURE: Maximum recorded, 25.0°C, Aug. 27, 1992; minimum, 7.7°C, Jan. 19, 1992.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
DEC 09...	1355	17.7	19.6	763	19	2.99	--	--	39	39	7.9	83
FEB 23...	1445	14.4	--	--	17	2.91	--	--	36	37	10.0	--
MAY 18...	0830	21.7	19.5	760	12	2.80	--	20	33	36	6.9	79
AUG 26...	1025	23.6	30.6	763	14	2.75	2.4	40	39	42	6.9	81
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD (MG/L AS CACO3) (00410)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	
DEC 09...	6.2	6.4	9.8	8	0	8	6	--	200	170	--	
FEB 23...	6.3	6.3	--	--	0	6	5	--	K48	K42	1.2	
MAY 18...	6.4	6.6	--	--	0	8	7	--	--	240	--	
AUG 26...	6.6	6.5	--	--	0	9	7	5	580	200	--	
DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	
DEC 09...	--	--	<.010	<.010	<.010	<.20	<.20	.510	.510	--	--	
FEB 23...	.58	.010	.010	<.010	<.010	<.20	.59	.600	.610	.01	.01	
MAY 18...	--	.020	.020	<.010	<.010	<.20	<.20	.520	.510	.03	.03	
AUG 26...	--	.030	.030	<.010	<.010	<.20	<.20	.480	.460	.04	.04	
DATE	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHATE, ORTH- PHOS- PHATE, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTH- PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTH- PHOS- PHORUS DIS- SOLVED (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	
DEC 09...	--	.03	--	.020	.020	<.010	.010	1.1	.90	.70	<.10	
FEB 23...	5.3	--	--	.003	<.002	<.001	<.001	.40	.40	.30	<.10	
MAY 18...	--	.00	.00	.008	.004	.001	.001	1.6	1.3	.40	--	
AUG 26...	--	.00	--	.008	.002	<.001	.001	2.1	1.9	.60	--	

PASCAGOULA RIVER BASIN

02480002 HAMILTON CREEK AT SNOW ROAD NEAR SEMMES, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
DEC 09...	5.0	<.050	8	1	1.9	.80	3.6	.6	47	.50	.90
FEB 23...	5.0	<.050	7	2	1.5	.70	3.6	.6	52	.40	1.0
MAY 18...	5.2	--	8	1	1.8	.80	3.6	.6	49	.40	.80
AUG 26...	5.0	<.050	8	1	2.0	.80	3.6	.5	46	.70	1.3
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
DEC 09...	<.10	7.2	13	900	230	31	28	30	26	1.54	.04
FEB 23...	<.10	6.3	10	360	97	20	19	27	24	1.24	.04
MAY 18...	<.10	6.3	11	830	670	28	28	34	26	1.10	.05
AUG 26...	<.10	6.7	12	850	210	33	25	25	27	.94	.03
DATE	TIME	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	
AUG 26...	1025	<1	<1	27	28	<.5	<.5	<.5	<.5	<1	
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
AUG 26...	<1	<1	<1	<1	<1	<1	<1	<1	<1	3.3	
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)		
AUG 26...	2.5	<1	<1	70	26	<1	<1	<.1	<.1		

TENNESSEE RIVER BASIN

03573182 SCARHAM CREEK NEAR MCVILLE, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 34°17'54", long 86°07'00", in NE¹/₄ sec. 33, T. 8 S., R. 5 E., Marshall County, Hydrologic Unit 06030001, on right downstream bank, 40 ft downstream of Colvin Bridge on County Road 372 (also known as McVile Road), 1.4 mi northeast of McVile, and 2.4 mi southeast of Painter.
DRAINAGE AREA.--50.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 890 ft above sea level, from topographic map.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.00	1.8	95	416	168	108	32	18	188	19	.72
2	.00	.00	1.7	109	268	135	85	27	19	282	16	.61
3	.00	.00	1.7	172	206	299	74	23	30	241	13	.52
4	.00	.00	1.7	118	168	201	64	20	25	138	11	.48
5	.00	.00	1.7	96	141	158	58	21	25	102	8.9	.50
6	.00	.00	1.7	86	128	191	143	798	25	81	7.4	.39
7	.00	.00	1.7	83	131	160	157	247	17	72	6.0	.31
8	.00	.00	2.5	87	123	132	112	143	13	81	5.0	.23
9	.00	.00	4.4	163	205	143	95	105	11	63	4.2	.22
10	.00	.00	5.2	135	1670	125	78	84	9.0	51	3.6	.19
11	.00	.00	4.8	110	377	114	67	68	7.7	587	3.1	.13
12	.00	.00	6.1	98	264	104	54	57	7.6	2060	2.8	.09
13	.00	.00	11	89	207	111	46	59	7.6	454	2.2	.06
14	.00	.06	12	324	168	214	44	66	7.4	256	3.3	.04
15	.00	1.1	9.7	402	146	159	84	46	18	179	3.1	.02
16	.00	9.3	8.1	212	129	128	74	39	15	137	2.3	.00
17	.00	15	7.3	164	718	114	52	33	13	113	1.6	.00
18	.00	5.9	6.7	183	633	102	43	42	9.7	91	1.3	.00
19	.00	3.7	6.6	154	322	91	39	56	7.2	80	1.1	.00
20	.00	2.9	11	131	235	85	44	34	5.7	98	1.0	.00
21	.00	3.3	10	120	188	197	38	27	4.8	123	1.4	.00
22	.00	3.8	22	121	156	131	31	24	4.2	202	1.1	.01
23	.00	3.1	35	1810	139	106	27	37	4.2	94	1.3	.04
24	.00	2.8	343	481	128	95	24	28	6.4	84	1.4	.06
25	.00	2.5	169	273	116	88	22	22	12	86	1.4	.05
26	.00	2.2	110	212	105	77	22	19	50	61	1.8	.04
27	.00	2.0	86	174	116	69	43	19	153	47	1.5	.03
28	.00	1.9	288	147	320	64	97	16	1780	36	1.4	.02
29	.00	1.9	239	131	---	76	50	13	730	33	1.3	.03
30	.00	1.8	144	164	---	76	39	12	274	31	1.2	.04
31	.00	---	113	394	---	82	---	13	---	23	.89	---
TOTAL	0.01	63.26	1666.4	7038	7923	3995	1914	2230	3309.5	6174	130.59	4.83
MEAN	.000	2.11	53.8	227	283	129	63.8	71.9	110	199	4.21	.16
MAX	.01	15	343	1810	1670	299	157	798	1780	2060	19	.72
MIN	.00	.00	1.7	83	105	64	22	12	4.2	23	.89	.00
CFSM	.00	.04	1.08	4.54	5.66	2.58	1.28	1.44	2.21	3.98	.08	.00
IN.	.00	.05	1.24	5.24	5.89	2.97	1.42	1.66	2.46	4.59	.10	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	.000	2.11	53.8	227	283	129	63.8	71.9	110	199	4.21	.16
MAX	.000	2.11	53.8	227	283	129	63.8	71.9	110	199	4.21	.16
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	.000	2.11	53.8	227	283	129	63.8	71.9	110	199	4.21	.16
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999

SUMMARY STATISTICS

FOR 1999 WATER YEAR

ANNUAL TOTAL	34448.59	
ANNUAL MEAN	94.4	
HIGHEST DAILY MEAN	2060	Jul 12
LOWEST DAILY MEAN	.00	Many days
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 2, Sep 16
INSTANTANEOUS PEAK FLOW	4260	Jul 12
INSTANTANEOUS PEAK STAGE	12.48	Jul 12
ANNUAL RUNOFF (CFSM)	1.89	
ANNUAL RUNOFF (INCHES)	25.63	
10 PERCENT EXCEEDS	205	
50 PERCENT EXCEEDS	25	
90 PERCENT EXCEEDS	.00	

TENNESSEE RIVER BASIN

03573182 SCARHAM CREEK NEAR MCVILLE, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1998 to current year.

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 17...	5.7	.7	10	630	1	<1	.4	.23	89	50	26
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NIUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 17...	24	1	11	<1	<1	2.9	49	29	33	.29	5200
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 17...	.07	1	36	28	15	.16	.96	8	.7	.7	.11
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)
AUG 17...	58	.05	1	10	2	3.2	77	20	2	140	--
DATE	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)
AUG 17...	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00	2.40
DATE	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)	
AUG 17...	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 17...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<5.00	<200	<50	<1.0

TENNESSEE RIVER BASIN

03573182 SCARHAM CREEK NEAR MCVILLE, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TUR- BID- ITY (NTU) (00076)	TUR- BID- ITY UNFLTRD (NTU) (61028)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
JAN												
11...	1400	107	118	7.0	5.1	748	1.1	--	12.2	98	--	K11
FEB												
09...	1415	104	99	6.7	12.5	744	--	1	10.6	99	K43	K26
28...	1015	352	76	6.6	11.5	734	--	37	9.9	94	12000	11000
MAR												
08...	1645	127	83	7.0	9.0	747	--	1	10.9	96	K34	K8
14...	1415	210	83	7.0	8.5	730	--	7	10.1	90	K1200	K1500
APR												
06...	1330	190	75	7.1	16.5	742	--	10	9.2	97	1800	3500
MAY												
06...	1030	1280	49	6.8	17.0	734	--	210	8.7	94	--	K30000
18...	1715	35	72	7.1	19.0	740	--	7	8.3	92	K1900	K2700
JUN												
08...	0800	14	82	7.4	21.5	744	--	2	7.1	82	56	62
JUL												
12...	1200	1920	20	6.8	22.0	739	--	67	7.7	91	K2800	K2800
AUG												
10...	1230	3.6	77	7.0	25.5	737	--	1	7.2	91	K45	K28
SEP												
07...	1530	.36	84	7.6	25.0	731	--	1	7.3	92	--	--
DATE		HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
JAN												
11...	33	30	9.0	2.6	3.0	15	.2	3.6	4	3	1.0	9.4
FEB												
09...	28	23	7.6	2.1	2.8	16	.2	3.6	6	5	2.4	8.4
28...	24	17	6.4	1.8	2.2	15	.2	3.5	8	7	--	7.6
MAR												
08...	23	18	6.5	1.8	2.4	16	.2	3.0	6	5	--	7.3
14...	24	18	6.7	1.9	2.5	16	.2	3.1	8	7	--	7.8
APR												
06...	22	15	6.1	1.7	2.5	17	.2	3.2	8	7	--	8.0
MAY												
06...	15	6	4.2	1.2	1.5	14	.2	3.8	12	10	--	5.8
18...	21	11	5.7	1.6	2.5	18	.2	3.0	12	10	--	7.4
JUN												
08...	24	8	6.7	1.7	2.8	18	.2	3.5	18	15	--	7.0
JUL												
12...	17	4	4.6	1.2	1.3	12	.1	3.8	15	12	--	4.1
AUG												
10...	24	7	6.5	1.8	3.0	19	.3	3.2	20	16	--	6.0
SEP												
07...	26	6	6.7	2.2	3.4	19	.3	4.4	24	20	--	3.7

TENNESSEE RIVER BASIN

03573182 SCARHAM CREEK NEAR MCVILLE, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
JAN 11...	7.4	<.10	4.0	75	69	.10	--	<.010	6.47	.026	.19
FEB 09...	6.7	<.10	3.5	63	60	.09	--	<.010	4.95	<.020	.14
28...	5.4	<.10	3.5	55	49	.07	3.24	.023	3.26	.058	.45
MAR 08...	5.5	<.10	3.3	52	49	.07	--	<.010	3.64	.023	.19
14...	5.8	<.10	3.1	58	50	.08	3.27	.010	3.28	<.020	.20
APR 06...	5.1	<.10	3.0	55	42	.07	--	<.010	1.97	<.020	.30
MAY 06...	3.8	<.10	2.2	58	34	.08	--	<.010	1.14	.268	.84
18...	5.8	<.10	3.3	44	42	.06	--	<.010	1.57	.023	.20
JUN 08...	6.4	<.10	3.1	65	44	.09	--	<.010	.867	.064	.34
JUL 12...	2.5	<.10	3.1	48	33	.07	--	<.010	.908	.072	.60
AUG 10...	5.4	<.10	2.0	48	40	.07	--	<.010	.535	.034	.30
SEP 07...	5.6	<.10	.68	49	39	.07	--	<.010	.070	<.020	.32
DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDEED TOTAL (MG/L AS C) (00689)	SEDI- MENT, SUS- PENDEED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 11...	.28	6.8	.019	.009	.013	19	36	2.4	<.20	3	38
FEB 09...	.63	5.6	.018	.008	<.010	17	26	2.1	<.20	2	80
28...	.56	3.8	.173	.063	.044	44	29	3.7	1.8	60	96
MAR 08...	.16	3.8	.015	.006	.015	21	24	1.9	<.20	1	71
14...	.39	3.7	.049	.020	.022	32	24	2.8	.40	7	72
APR 06...	.58	2.5	.046	.014	<.010	52	22	3.2	1.3	20	87
MAY 06...	2.4	3.6	.576	.130	.103	260	109	7.8	5.9	328	83
18...	<.10	--	.012	.017	<.010	52	15	3.3	.30	7	78
JUN 08...	.41	1.3	.016	.037	.035	130	20	3.8	.20	4	77
JUL 12...	1.1	2.0	.416	.207	.172	180	43	7.7	1.5	--	--
AUG 10...	.32	.86	.033	.026	.014	68	30	3.3	<.20	2	92
SEP 07...	.32	.39	.029	.024	.019	120	35	4.6	<.20	3	63

TENNESSEE RIVER BASIN

03574500 PAINT ROCK RIVER NEAR WOODVILLE, AL

LOCATION.--Lat 34°37'27", long 86°18'23", in NW¹/₄ 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.--January 1936 to current year.

GAGE.--Water-stage recorder. Datum of gage is 570.95 ft above sea level. Dec. 23, 1935, to Jan. 16, 1938, nonrecording gage at same site.

REMARKS.--Estimated daily discharges: Dec. 24. 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	7.1	12	417	4130	3530	527	764	89	1430	160	17
2	9.2	7.1	11	380	3120	1570	554	547	107	662	107	16
3	8.8	7.1	11	871	1500	2000	490	438	109	747	81	15
4	8.5	7.0	10	784	907	3180	450	370	112	500	69	14
5	8.8	8.1	10	523	707	1770	413	336	395	365	61	14
6	10	9.1	9.6	419	601	1160	440	3560	165	280	57	13
7	14	8.7	9.4	370	567	1140	518	9170	123	266	51	13
8	192	8.7	18	450	542	867	470	5680	103	276	48	12
9	266	10	428	2230	543	861	439	2180	89	315	45	11
10	90	10	335	4010	1810	1000	406	848	78	231	42	12
11	43	13	203	2630	1560	801	366	566	72	329	40	11
12	29	19	324	925	927	674	329	460	68	666	39	11
13	22	23	1400	633	864	857	303	408	65	1000	37	9.7
14	17	26	1190	2320	750	2600	285	411	77	507	36	9.9
15	14	30	436	7730	634	3200	404	361	97	361	40	9.8
16	12	168	297	5860	563	1960	626	312	76	277	40	9.6
17	9.9	96	219	2480	827	1100	451	271	69	211	33	9.3
18	8.8	42	173	1580	1560	848	379	237	62	173	32	9.2
19	8.0	30	148	1520	1100	697	341	223	56	146	30	9.2
20	7.4	26	146	948	807	602	319	198	52	126	28	9.2
21	7.0	30	156	748	653	1460	299	173	49	160	27	9.2
22	6.5	34	228	639	554	1750	274	156	45	365	25	9.1
23	6.2	29	400	4080	490	966	251	148	44	357	24	8.9
24	6.2	24	e1300	9850	447	777	232	139	48	261	23	8.9
25	6.1	21	2120	5520	406	668	213	135	74	200	23	8.6
26	6.1	19	732	2310	374	578	210	131	84	139	23	8.5
27	6.0	16	606	1050	394	509	557	121	111	109	22	8.4
28	6.1	15	852	726	2610	455	662	113	1410	91	21	8.4
29	6.2	14	1330	608	---	420	942	102	2380	79	20	8.7
30	7.0	13	798	641	---	397	1230	92	1360	206	19	9.1
31	7.1	---	536	2250	---	389	---	88	---	296	18	---
TOTAL	858.8	770.9	14448.0	65502	29947	38786	13380	28738	7669	11131	1321	322.7
MEAN	27.7	25.7	466	2113	1070	1251	446	927	256	359	42.6	10.8
MAX	266	168	2120	9850	4130	3530	1230	9170	2380	1430	160	17
MIN	6.0	7.0	9.4	370	374	389	210	88	44	79	18	8.4
CFSM	.09	.08	1.46	6.60	3.34	3.91	1.39	2.90	.80	1.12	.13	.03
IN.	.10	.09	1.68	7.61	3.48	4.51	1.56	3.34	.89	1.29	.15	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 1999, BY WATER YEAR (WY)

	MEAN	188	449	971	1365	1507	1525	1030	571	248	209	105	140
MAX	2597	3056	3840	3519	3941	4185	3018	2113	1263	1465	746	1136	
(WY)	1976	1958	1991	1949	1939	1980	1964	1983	1997	1967	1985	1979	
MIN	2.92	10.0	34.7	160	246	300	218	69.4	24.2	14.2	10.4	4.40	
(WY)	1955	1945	1966	1940	1941	1988	1986	1941	1988	1952	1944	1954	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1936 - 1999
ANNUAL TOTAL	243022.4	212874.4	
ANNUAL MEAN	666	583	688
HIGHEST ANNUAL MEAN			1106
LOWEST ANNUAL MEAN			278
HIGHEST DAILY MEAN	20600	9850	50100
LOWEST DAILY MEAN	6.0	6.0	1.4
ANNUAL SEVEN-DAY MINIMUM	6.1	6.1	1.6
INSTANTANEOUS PEAK FLOW		11100	74200
INSTANTANEOUS PEAK STAGE		18.35	24.40
ANNUAL RUNOFF (CFSM)	2.08	1.82	2.15
ANNUAL RUNOFF (INCHES)	28.25	24.75	29.20
10 PERCENT EXCEEDS	1510	1480	1680
50 PERCENT EXCEEDS	121	210	217
90 PERCENT EXCEEDS	9.9	9.2	21

e Estimated

TENNESSEE RIVER BASIN

0357479650 HESTER CREEK NEAR PLEVNA, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 34°57'89", long 86°27'49", in NW¹/₄ sec. 18, T. 1 S., R. 2 E., Madison County, Hydrologic Unit 06030002, on right bank on Buddy Williamson Road, 2.7 mi east of Plevna, 3.8 mi northwest of New Market, and 2 mi south of Alabama-Tennessee State line.
DRAINAGE AREA.--33.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 756.34 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	4.8	4.7	18	126	71	25	19	8.1	11	4.5	3.3
2	4.8	5.0	4.7	30	85	54	21	12	6.4	8.5	4.1	3.3
3	4.7	5.3	4.7	64	67	285	18	9.4	6.2	7.1	4.0	3.3
4	4.8	5.2	4.7	31	55	92	16	8.0	32	6.2	3.9	3.3
5	4.7	5.0	4.7	21	45	65	14	50	63	5.6	3.8	3.3
6	4.6	5.0	4.7	18	41	110	20	922	16	5.3	3.8	3.9
7	31	5.1	4.9	21	47	67	19	94	10	5.1	3.8	3.5
8	24	5.7	6.9	68	40	52	14	50	8.3	5.0	3.7	3.3
9	6.4	5.7	6.1	510	36	102	13	34	7.1	4.8	3.7	3.6
10	5.2	12	5.6	82	73	66	11	26	6.4	5.1	3.7	3.5
11	4.9	6.1	7.9	54	48	51	9.4	20	5.8	6.6	3.6	3.5
12	4.7	4.7	68	43	54	41	8.3	15	5.7	111	3.6	3.5
13	4.6	4.6	191	35	46	288	7.9	37	5.3	19	3.6	3.5
14	4.5	7.5	37	312	34	280	7.7	24	41	9.1	3.6	3.5
15	4.4	8.0	19	131	30	112	13	15	12	6.8	3.5	3.5
16	4.3	5.4	13	69	26	66	10	11	8.5	5.8	3.5	3.4
17	4.4	5.1	9.9	53	88	51	8.6	9.5	7.0	5.3	3.4	3.5
18	4.5	4.9	8.3	201	81	40	7.9	9.0	6.9	5.0	3.5	3.6
19	4.7	4.8	10	72	52	32	7.5	8.5	6.7	4.8	3.5	3.6
20	4.6	5.2	11	53	39	35	7.1	7.3	6.5	4.6	3.5	3.6
21	4.6	5.2	8.8	43	32	140	6.6	6.6	6.3	4.5	3.6	3.8
22	4.5	5.1	34	40	26	59	6.2	6.2	6.0	7.2	3.7	3.7
23	4.5	5.1	24	1040	24	46	6.1	8.2	5.9	4.9	3.5	3.6
24	4.6	5.0	152	130	23	42	5.8	6.7	8.2	4.5	3.6	3.6
25	4.5	5.0	54	82	21	37	5.8	6.0	6.1	4.2	3.6	3.5
26	4.5	4.9	46	65	19	31	31	6.5	5.6	4.0	3.5	3.5
27	4.5	4.8	35	56	99	27	44	6.0	40	4.0	3.5	3.6
28	4.5	4.8	56	49	216	24	24	5.5	31	3.9	3.4	3.6
29	4.7	4.8	50	51	---	25	65	5.2	22	9.6	3.4	4.1
30	4.7	4.7	32	130	---	24	42	5.1	16	17	3.3	3.8
31	4.7	---	23	372	---	23	---	16	---	5.2	3.3	---
TOTAL	190.9	164.5	941.6	3944	1573	2438	494.9	1458.7	416.0	310.7	112.7	106.3
MEAN	6.16	5.48	30.4	127	56.2	78.6	16.5	47.1	13.9	10.0	3.64	3.54
MAX	31	12	191	1040	216	288	65	922	63	111	4.5	4.1
MIN	4.3	4.6	4.7	18	19	23	5.8	5.1	5.3	3.9	3.3	3.3
CFSM	.19	.17	.92	3.86	1.70	2.38	.50	1.43	.42	.30	.11	.11
IN.	.22	.19	1.06	4.45	1.77	2.75	.56	1.64	.47	.35	.13	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	6.16	5.48	30.4	127	56.2	78.6	16.5	47.1	13.9	10.0	3.64	3.54
MAX	6.16	5.48	30.4	127	56.2	78.6	16.5	47.1	13.9	10.0	3.64	3.54
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	6.16	5.48	30.4	127	56.2	78.6	16.5	47.1	13.9	10.0	3.64	3.54
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999

SUMMARY STATISTICS

FOR 1999 WATER YEAR

ANNUAL TOTAL	12151.3	
ANNUAL MEAN	33.3	
HIGHEST DAILY MEAN	1040	Jan 23
LOWEST DAILY MEAN	3.3	Aug 30 to Sep 5
ANNUAL SEVEN-DAY MINIMUM	3.3	Aug 30
INSTANTANEOUS PEAK FLOW	2300	Jan 23
INSTANTANEOUS PEAK STAGE	8.21	Jan 23
ANNUAL RUNOFF (CFSM)	1.01	
ANNUAL RUNOFF (INCHES)	13.70	
10 PERCENT EXCEEDS	67	
50 PERCENT EXCEEDS	7.3	
90 PERCENT EXCEEDS	3.6	

TENNESSEE RIVER BASIN

0357479650 HESTER CREEK NEAR PLEVNA, AL--Continued
(National Water-Quality Assessment Station)

PERIOD OF RECORD.--August 1998 to current year.

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 19...	5.5	.9	9.1	340	1	<1	.3	.27	89	53	13
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NIUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 19...	24	1	11	<1	1	2.5	46	26	40	.29	1300
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 19...	.05	2	34	30	14	.11	.76	9	.6	.7	.095
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)
AUG 19...	39	<.05	1	11	2	3.8	83	28	2	110	--
DATE	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)
AUG 19...	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	7.70	<1.00	11.9
DATE	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)	
AUG 19...	<2.00	7.60	<1.00	<1.00	2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 19...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

TENNESSEE RIVER BASIN

0357479650 HESTER CREEK NEAR PLEVNA, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM HG) (00025)	TUR- BID- ITY (NTU) (00076)	TUR- FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E.COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
JAN												
13...	0915	34	123	7.4	9.8	748	4.6	--	10.1	91	530	560
FEB												
10...	0730	90	114	7.6	14.0	745	--	47	9.6	93	K9400	K9000
MAR												
09...	0930	132	107	7.4	7.5	744	--	52	11.1	95	12000	15000
16...	1015	66	124	7.5	12.0	738	--	7	11.3	98	200	180
24...	1115	42	120	7.9	13.0	744	--	3	11.1	108	210	160
30...	1030	24	107	7.9	12.0	750	--	4	13.0	123	240	150
APR												
07...	0900	18	99	7.3	17.0	748	--	3	8.3	88	K280	K460
14...	1630	7.2	87	7.5	18.0	737	--	3	9.7	106	98	110
20...	1000	7.0	89	7.0	15.0	743	--	3	8.1	82	K260	280
26...	1115	16	80	7.3	17.0	740	--	8	--	--	--	--
26...	1730	64	73	7.0	18.5	--	--	33	--	--	>1200	>1600
29...	1100	105	85	7.2	16.5	745	--	59	8.0	84	5700	5500
29...	1405	142	90	7.0	16.0	745	--	580	7.7	80	K120000	K98000
MAY												
04...	1000	8.1	86	7.3	17.0	741	--	3	8.1	86	800	860
06...	0815	1570	72	7.3	17.0	739	--	190	7.3	78	--	--
12...	1115	15	126	7.4	19.0	745	--	2	8.8	97	K520	660
18...	1145	9.0	103	7.4	19.0	744	--	6	7.1	78	700	740
26...	0845	6.6	88	7.6	18.0	742	--	3	6.7	73	280	560
JUN												
01...	1030	8.1	96	7.4	19.0	742	--	8	8.1	90	--	--
09...	0945	7.5	102	7.2	22.0	746	--	6	7.3	85	1100	1300
15...	1115	13	91	7.2	21.5	742	--	44	7.1	83	--	--
23...	0900	4.6	104	7.5	21.0	743	--	6	6.5	75	>650	600
JUL												
01...	1430	10	89	7.1	23.0	741	--	30	7.5	90	4200	3300
08...	1345	4.8	101	7.4	25.0	741	--	4	7.0	87	K670	K400
13...	1615	14	93	7.2	23.0	740	--	10	7.5	90	K1200	480
20...	1030	4.9	103	7.6	24.0	744	--	3	6.7	82	--	--
27...	1300	4.2	101	8.2	25.0	742	--	3	7.1	88	290	260
AUG												
03...	1000	3.8	110	7.3	24.0	735	--	4	5.7	70	720	730
11...	0900	3.5	106	7.3	22.5	741	--	3	5.8	69	260	360
19...	0900	3.5	109	7.6	21.5	741	--	2	5.6	65	--	260
24...	1030	3.5	106	7.7	22.5	743	--	2	6.3	75	--	310
SEP												
08...	0830	3.4	116	7.4	20.0	740	--	2	5.7	64	>160	>160

TENNESSEE RIVER BASIN

0357479650 HESTER CREEK NEAR PLEVNA, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
JAN												
13...	50	14	16	2.4	1.7	6	.1	2.1	43	35	2.8	5.2
FEB												
10...	46	7	15	2.0	1.4	6	.1	2.2	47	38	1.9	3.8
MAR												
09...	41	7	13	1.8	1.3	6	.1	2.2	41	34	--	3.7
16...	51	11	17	2.1	1.4	5	.1	1.6	49	40	--	4.1
24...	51	11	17	2.3	1.4	6	.1	1.3	49	40	--	3.6
30...	45	13	14	2.3	1.4	6	.1	1.2	39	32	--	3.4
APR												
07...	40	10	12	2.2	1.5	7	.1	1.6	36	30	--	3.3
14...	34	4	10	2.2	1.3	7	.1	1.3	37	30	--	2.8
20...	36	8	11	2.3	1.3	7	.1	1.3	35	29	--	<3.4
26...	32	7	9.2	2.1	1.2	7	.1	1.5	30	25	--	3.6
26...	27	7	7.9	1.7	1.3	8	.1	2.3	24	20	--	4.1
29...	30	7	9.3	1.7	1.3	8	.1	2.2	28	23	--	4.0
29...	26	7	7.9	1.5	1.4	8	.1	5.3	23	19	--	5.0
MAY												
04...	36	8	11	2.2	1.5	8	.1	1.6	34	28	--	3.6
06...	26	6	8.5	1.1	.86	6	.1	3.4	24	20	--	2.8
12...	54	9	17	2.6	1.4	5	.1	1.6	55	45	--	3.5
18...	43	8	13	2.4	1.4	7	.1	1.5	43	35	--	3.9
26...	41	8	12	2.4	1.3	6	.1	1.3	40	33	--	4.1
JUN												
01...	40	11	12	2.4	1.3	6	.1	2.0	35	29	--	3.5
09...	41	7	12	2.5	1.4	7	.1	1.8	41	33	--	4.2
15...	35	8	10	2.1	1.2	6	.1	4.2	32	26	--	4.1
23...	43	10	13	2.8	1.3	6	.1	1.5	40	34	--	3.3
JUL												
01...	35	9	10	2.2	1.3	7	.1	2.8	32	26	--	3.4
08...	42	7	12	2.6	1.3	6	.1	1.7	43	35	--	3.1
13...	37	8	11	2.1	1.3	6	.1	3.1	35	29	--	3.3
20...	45	10	13	2.9	1.4	6	.1	1.6	43	35	--	3.4
27...	46	10	14	2.9	1.4	6	.1	1.8	44	36	--	3.5
AUG												
03...	45	6	13	2.8	1.2	5	.1	2.4	48	39	--	3.4
11...	48	9	14	3.0	1.3	5	.1	1.3	47	39	--	4.4
19...	50	9	15	3.2	1.3	5	.1	1.2	50	41	--	4.1
24...	48	12	14	3.1	1.2	5	.1	1.2	43	35	--	4.6
SEP												
08...	55	8	16	3.5	1.3	5	.1	1.2	57	46	--	4.9

TENNESSEE RIVER BASIN

0357479650 HESTER CREEK NEAR PLEVNA, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
JAN												
13...	5.9	<.10	5.0	76	69	.10	2.16	.018	2.18	<.020	.16	.20
FEB												
10...	5.2	<.10	3.1	71	61	.10	--	<.010	1.12	.023	.24	.57
MAR												
09...	4.3	<.10	3.2	67	57	.09	1.42	.011	1.43	.305	1.1	1.3
16...	4.7	<.10	4.5	77	67	.10	--	<.010	1.77	.059	.41	.45
24...	4.1	<.10	3.5	69	63	.09	--	<.010	1.27	.021	.15	.18
30...	4.4	<.10	2.4	60	53	.08	--	<.010	1.07	<.020	.13	.15
APR												
07...	4.5	<.10	2.0	61	49	.08	.932	.012	.944	<.020	.23	.31
14...	3.6	<.10	4.5	57	49	.08	--	<.010	1.02	.041	.22	.28
20...	<3.6	<.06	5.3	57	--	--	1.04	.012	1.05	.074	.19	.26
26...	3.5	<.10	5.5	54	46	.07	.991	.016	1.01	.090	.33	.50
26...	3.6	<.10	5.2	56	43	.08	1.00	.016	1.02	.133	.54	.97
29...	4.3	<.10	5.2	62	47	.08	1.01	.028	1.03	.113	.43	.78
29...	5.9	<.10	3.3	72	50	.10	1.39	.060	1.45	.612	1.3	2.5
MAY												
04...	4.0	<.10	5.8	58	51	.08	1.09	.010	1.10	.060	.16	.25
06...	2.1	<.10	2.3	65	38	.09	.855	.015	.870	.205	.72	1.2
12...	4.8	<.10	5.8	77	71	.10	--	<.010	1.62	.024	.13	.17
18...	4.6	<.10	5.7	65	60	.09	--	<.010	1.33	<.020	E.10	<.10
26...	3.4	<.10	6.0	74	56	.10	--	<.010	1.22	.037	.15	.22
JUN												
01...	3.8	<.10	5.9	83	59	.11	2.32	.021	2.34	.152	.25	.45
09...	3.7	<.10	6.6	75	58	.10	--	<.010	1.20	.021	.15	.14
15...	4.1	<.10	5.5	76	55	.10	1.59	.011	1.60	.037	.37	.64
23...	3.5	<.10	6.2	67	56	.09	--	<.010	1.04	.026	.14	.17
JUL												
01...	3.8	<.10	6.2	61	51	.08	1.03	.019	1.05	<.020	.22	.35
08...	3.3	<.10	6.5	66	57	.09	--	<.010	1.01	.036	.12	.19
13...	3.6	<.10	6.1	63	52	.09	--	<.010	.807	.021	.29	.42
20...	3.3	<.10	6.6	64	58	.09	--	<.010	.971	<.020	.15	.21
27...	3.2	<.10	6.6	66	55	.09	--	--	--	--	--	--
AUG												
03...	3.5	<.10	6.4	72	61	.10	--	<.010	.905	.031	.12	.27
11...	2.9	<.10	6.8	65	60	.09	--	<.010	.738	.020	.13	.27
19...	3.2	<.10	6.8	70	61	.10	.328	.042	.370	.021	.22	.20
24...	2.7	<.10	6.7	61	58	.08	--	<.010	.727	<.020	.12	.13
SEP												
08...	2.7	<.10	6.8	71	68	.10	--	<.010	.763	<.020	E.10	.15

TENNESSEE RIVER BASIN

0357479650 HESTER CREEK NEAR PLEVNA, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHOS, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC DIS- SOLVED (UG/L) (34253)
JAN 13...	2.4	.047	.032	.031	21	11	2.3	<.20	--	--	--	--
FEB 10...	1.7	.111	.035	.024	63	9.0	4.1	1.1	<.002	<.0020	.034	<.0020
MAR 09...	2.8	.204	.108	.100	69	21	4.2	.90	<.002	<.0020	.029	<.0020
16...	2.2	.043	.027	.024	37	12	2.4	<.20	<.002	<.0020	.034	<.0020
24...	1.5	.022	.013	<.010	39	13	2.0	<.20	<.002	<.0020	.041	<.0020
30...	1.2	.016	.019	<.010	35	14	1.6	<.20	<.002	<.0020	.040	<.0020
APR 07...	1.3	.029	.013	<.010	54	23	2.8	.30	<.002	<.0020	.039	<.0020
14...	1.3	.038	.027	.018	37	22	1.5	.30	<.002	<.0020	.034	<.0020
20...	1.3	.020	.021	.017	34	26	1.5	<.20	<.002	<.0020	.579	<.0020
26...	1.5	.041	.052	.036	50	36	2.8	.60	<.002	<.0020	.140	<.0020
26...	2.0	.244	.160	.135	81	23	5.3	2.5	<.002	<.0020	.179	<.0020
29...	1.8	.275	.102	.088	71	14	3.7	1.1	<.002	<.0020	11.8	<.0020
29...	3.9	.886	.286	.262	130	18	8.4	8.8	.006	<.0100	E23.6	<.0020
MAY 04...	1.3	.037	.056	.047	55	28	2.2	.30	<.002	<.0020	2.29	<.0020
06...	2.0	.404	.183	.157	120	32	9.3	2.0	<.002	<.0020	5.64	<.0020
12...	--	--	--	--	--	--	--	--	<.050	<.0500	.890	--
12...	1.8	.028	.030	.022	14	13	1.4	.20	<.002	<.0020	.879	<.0020
18...	--	.012	.028	.024	14	16	1.5	--	<.002	<.0020	1.39	<.0020
26...	1.4	.041	.028	.025	17	16	1.4	.20	<.002	<.0020	.227	<.0020
JUN 01...	2.8	.067	.048	.042	59	16	2.6	.30	<.002	<.0020	3.05	<.0020
09...	1.3	.019	.039	.031	16	30	1.4	.40	<.002	<.0020	.266	<.0020
15...	2.2	.178	.112	.081	70	23	4.6	1.5	<.002	<.0020	1.55	<.0020
23...	1.2	.043	.030	.033	18	28	1.4	.20	<.002	<.0020	.121	<.0020
JUL 01...	1.4	.112	.064	.045	16	28	2.9	.60	<.002	<.0020	.106	<.0020
08...	1.2	.047	.034	.032	<10	31	1.2	.40	<.002	<.0020	.037	<.0020
13...	1.2	.109	.075	.057	34	27	4.1	.30	<.002	<.0020	.436	<.0020
20...	1.2	.063	.027	.026	E7.6	33	1.3	<.20	<.002	<.0020	E.058	<.0020
27...	--	--	--	--	19	33	--	--	--	--	--	--
AUG 03...	1.2	.071	.051	.032	E7.0	43	1.6	.20	<.002	<.0020	.079	<.0020
11...	1.0	.042	.035	.022	<10	33	1.2	.20	<.002	<.0020	.030	<.0020
19...	.57	.039	.021	<.010	18	30	1.0	<.20	<.002	<.0020	.019	<.0020
24...	.86	.029	.025	.017	E9.8	27	1.3	.20	<.002	<.0020	.017	<.0020
SEP 08...	.92	.031	.023	<.010	15	29	1.2	<.20	<.002	<.0020	.013	<.0020

TENNESSEE RIVER BASIN

0357479650 HESTER CREEK NEAR PLEVNA, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	P, P' DDE DISSOLV (UG/L) (34653)
FEB												
10...	<.0020	<.0040	<.0040	E.0178	<.002	<.001	<.0030	<.004	<.005	<.004	.009	<.0060
MAR												
09...	<.0020	<.0040	<.0040	E.0264	<.002	<.001	<.0030	<.004	<.005	<.004	.008	<.0060
16...	<.0020	<.0040	<.0040	E.0409	<.002	<.001	<.0030	<.004	<.005	<.004	.008	<.0060
24...	<.0020	<.0040	<.0040	E.0235	<.002	<.001	<.0030	<.004	<.005	<.004	.007	<.0060
30...	<.0020	<.0040	<.0040	E.0460	<.002	<.001	<.0030	<.004	<.005	<.004	.007	<.0060
APR												
07...	<.0020	<.0040	<.0040	E.0343	<.002	<.001	<.0030	<.004	<.005	<.004	.008	<.0060
14...	<.0020	<.0040	<.0040	E.0372	<.002	<.001	<.0030	<.004	<.005	<.004	.011	<.0060
20...	<.0020	<.0040	<.0040	E.0386	<.002	<.001	<.0030	<.004	<.005	<.004	.159	<.0060
26...	<.0020	<.0040	<.0040	E.0336	<.002	<.001	<.0030	<.004	<.005	<.004	.045	<.0060
26...	<.0020	<.0040	<.0040	E.0439	<.002	<.001	<.0030	<.004	<.005	<.004	.067	<.0060
29...	<.0020	<.0040	<.0100	E.276	<.002	<.001	<.0030	<.004	<.005	.008	2.68	<.0060
29...	<.0020	<.0040	<.0600	E.966	.013	<.001	<.0030	<.004	<.005	.007	6.16	<.0060
MAY												
04...	<.0020	<.0040	<.0040	E.130	<.002	<.001	<.0030	<.004	<.005	<.004	.556	<.0060
06...	<.0020	<.0040	<.0100	E.404	.008	<.001	<.0030	<.004	<.005	.015	3.98	<.0060
12...	<.0020	<.0040	<.0040	E.103	<.002	<.001	<.0030	<.004	<.005	<.004	.196	<.0060
18...	<.0020	<.0040	<.0040	E.155	<.002	<.001	<.0030	<.004	<.005	<.004	.151	<.0060
26...	<.0020	<.0040	<.0040	E.0672	<.002	<.001	<.0030	<.004	<.010	<.004	.031	<.0060
JUN												
01...	<.0020	<.0040	.0464	E.162	<.002	<.001	<.0030	<.004	<.010	<.004	.225	<.0060
09...	<.0020	<.0040	<.0040	E.0483	<.002	<.001	<.0030	<.004	<.005	<.004	.034	<.0060
15...	<.0020	<.0040	<.0200	E.123	<.002	<.001	<.0030	<.004	<.005	<.004	.121	<.0060
23...	<.0020	<.0040	<.0040	E.0543	<.002	<.001	<.0030	<.004	<.005	<.004	.010	<.0060
JUL												
01...	<.0020	<.0040	.0590	E.0506	<.002	<.001	<.0030	<.004	<.005	<.004	.021	<.0060
08...	<.0020	<.0040	<.0200	E.0173	<.002	<.001	<.0030	<.004	<.005	<.004	E.004	<.0060
13...	<.0020	<.0040	.262	E.0619	<.002	<.001	<.0030	<.004	<.005	<.004	.047	<.0060
20...	<.0020	<.0040	.0692	E.0286	<.002	<.001	<.0030	<.004	<.005	<.004	<.010	<.0060
AUG												
03...	<.0020	<.0040	.0578	E.0231	<.002	<.001	<.0030	<.004	<.005	<.004	.009	<.0060
11...	<.0020	<.0040	.0055	E.0142	<.002	<.001	<.0030	<.004	<.005	<.004	E.004	<.0060
19...	<.0020	<.0040	<.0040	E.0114	<.002	<.001	<.0030	<.004	<.005	<.004	<.002	<.0060
24...	<.0020	<.0040	<.0040	E.0130	<.002	<.001	<.0030	<.004	<.005	<.004	<.002	<.0060
SEP												
08...	<.0020	<.0040	<.0040	E.0092	<.002	<.001	<.0030	<.004	<.005	<.004	E.003	E.0018

TENNESSEE RIVER BASIN

0357479650 HESTER CREEK NEAR PLEVNA, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PARA- THION, DIS- SOLVED (UG/L) (39542)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BEN- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82673)	CAR- BARYL WATER FLTRD 0.7 U (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U (UG/L) (82674)	DCPA WATER FLTRD 0.7 U (UG/L) (82682)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U (UG/L) (82660)	DISUL- FOTON WATER FLTRD 0.7 U (UG/L) (82677)	ETHAL- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82663)
FEB											
10...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
MAR											
09...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	.434	<.0040
16...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
24...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
30...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
APR											
07...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
14...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
20...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
26...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
26...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
29...	<.004	<.0070	<.0180	.0310	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
29...	<.004	<.0070	<.0180	.0553	<.0020	<.0100	<.0030	<.0020	<.0030	.0182	<.0040
MAY											
04...	<.004	<.0070	<.0180	.0059	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
06...	<.004	<.0070	<.0180	.0181	<.0020	E.101	<.0030	<.0020	<.0030	.0324	<.0040
12...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
18...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
26...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
JUN											
01...	<.004	<.0070	E.0093	.0078	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
09...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
15...	<.004	<.0070	<.0180	<.0100	<.0020	E.0532	<.0030	<.0020	<.0030	<.0170	<.0040
23...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
JUL											
01...	<.004	<.0070	<.0180	<.0050	<.0020	E.0316	<.0030	<.0020	<.0030	<.0170	<.0040
08...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
13...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
20...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
AUG											
03...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
11...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
19...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
24...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
SEP											
08...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040

TENNESSEE RIVER BASIN

0357479650 HESTER CREEK NEAR PLEVNA, AL--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
FEB											
10...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
MAR											
09...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
16...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
24...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
30...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
APR											
07...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
14...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
20...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
26...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0100	<.0050	<.0020
26...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0100	<.0050	<.0020
29...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	.0206	<.0050	<.0020
29...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0200	.209	<.0050	<.0020
MAY											
04...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0100	<.0050	<.0020
06...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	.136	<.0050	<.0020
12...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
18...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0100	<.0050	<.0020
26...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
JUN											
01...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
09...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0100	<.0050	<.0020
15...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	.113	<.0050	<.0020
23...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
JUL											
01...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
08...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
13...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
20...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
AUG											
03...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
11...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
19...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
24...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
SEP											
08...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020

TENNESSEE RIVER BASIN

0357479650 HESTER CREEK NEAR PLEVNA, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB											
10...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	18	93
MAR											
09...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	68	93
16...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	6	86
24...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	5	86
30...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	6	79
APR											
07...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	6	92
14...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	5	85
20...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	6	96
26...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	14	57
26...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	19	47
29...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	173	77
29...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	468	97
MAY											
04...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	9	49
06...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	147	91
12...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	3	70
18...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	8	73
26...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	5	81
JUN											
01...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	7	74
09...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	10	72
15...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	34	97
23...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	6	98
JUL											
01...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	20	96
08...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	14	97
13...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	29	96
20...	<.0030	<.0040	<.0130	<.0767	<.0070	<.0130	<.0010	<.0020	<.0020	13	97
AUG											
03...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	4	94
11...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	12	98
19...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	3	27
24...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	3	95
SEP											
08...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	2	89

TENNESSEE RIVER BASIN

03575100 FLINT RIVER AT BROWNSBORO, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 34°44'57", long 86°26'48", in SW¹/₄ sec. 29, T. 3 S., R. 2 E., Madison County, Hydrologic Unit 06030002, on right bank on Brownsboro Road, 0.3 mi north of U.S. Highway 72, 10 mi east of Huntsville, at Brownsboro, and river mile 27.6.
DRAINAGE AREA.--375 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 620 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	86	116	543	4640	1660	603	620	346	331	142	90
2	89	89	115	527	2150	993	557	456	407	265	134	94
3	88	92	115	1380	1450	2960	497	369	306	238	135	96
4	100	94	114	955	1140	2200	461	317	295	218	132	100
5	91	93	115	651	946	1180	439	348	1700	205	119	95
6	89	91	115	549	846	1320	456	7670	818	184	114	97
7	167	90	123	518	853	1280	492	4440	419	175	112	98
8	448	96	161	689	856	917	438	1260	308	177	110	100
9	226	102	261	4060	760	1280	404	820	260	169	113	97
10	140	112	227	2580	1670	1340	375	657	237	166	117	102
11	119	182	214	1150	1170	935	341	539	224	244	111	95
12	112	170	351	887	936	799	312	452	223	459	107	95
13	108	126	3790	779	988	1770	289	478	213	1200	116	95
14	100	128	1550	4470	791	5370	280	570	234	1000	139	94
15	99	177	684	4260	713	3310	339	425	492	380	113	93
16	97	194	503	1950	665	1670	395	367	282	260	112	92
17	93	160	413	1240	862	1200	332	328	230	210	104	84
18	91	140	351	2300	1540	984	293	301	207	190	94	79
19	92	130	325	2070	1030	834	276	291	193	180	98	79
20	95	140	380	1150	805	755	268	273	183	170	104	82
21	89	140	355	939	697	1590	256	254	177	579	103	87
22	89	137	387	841	627	1130	249	243	173	708	104	85
23	88	132	558	12200	587	846	241	241	165	235	109	83
24	89	131	1610	8130	568	753	238	240	342	195	113	81
25	89	128	1390	2050	546	709	230	226	303	181	110	84
26	92	124	855	1320	518	632	282	226	223	168	102	78
27	91	120	846	1050	608	570	745	225	366	154	100	80
28	89	120	921	911	3340	527	1400	215	932	136	103	82
29	90	117	1290	833	---	519	834	200	845	133	101	86
30	89	115	843	1590	---	539	1090	194	423	165	107	94
31	88	---	644	5120	---	520	---	254	---	169	98	---
TOTAL	3514	3756	19722	67692	32302	41092	13412	23499	11526	9244	3476	2697
MEAN	113	125	636	2184	1154	1326	447	758	384	298	112	89.9
MAX	448	194	3790	12200	4640	5370	1400	7670	1700	1200	142	102
MIN	87	86	114	518	518	519	230	194	165	133	94	78
CFSM	.30	.33	1.70	5.82	3.08	3.53	1.19	2.02	1.02	.80	.30	.24
IN.	.35	.37	1.96	6.72	3.20	4.08	1.33	2.33	1.14	.92	.34	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	113	125	636	2184	1154	1326	447	758	384	298	112	89.9
MAX	113	125	636	2184	1154	1326	447	758	384	298	112	89.9
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	113	125	636	2184	1154	1326	447	758	384	298	112	89.9
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999

SUMMARY STATISTICS

FOR 1999 WATER YEAR

ANNUAL TOTAL	231932	
ANNUAL MEAN	635	
HIGHEST DAILY MEAN	12200	Jan 23
LOWEST DAILY MEAN	78	Sep 26
ANNUAL SEVEN-DAY MINIMUM	82	Sep 22
INSTANTANEOUS PEAK FLOW	26300	Jan 23
INSTANTANEOUS PEAK STAGE	20.61	Jan 23
ANNUAL RUNOFF (CFSM)	1.69	
ANNUAL RUNOFF (INCHES)	23.01	
10 PERCENT EXCEEDS	1330	
50 PERCENT EXCEEDS	260	
90 PERCENT EXCEEDS	92	

TENNESSEE RIVER BASIN

03575100 FLINT RIVER AT BROWNSBORO, AL--Continued
(National Water-Quality Assessment Station)

PERIOD OF RECORD.--Water years 1973, 1998 to current year.

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUMINUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI-MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYLLIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHROMIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 20...	5.6	.9	10	340	1	<1	.5	.25	100	55	12
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EUROPIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHANUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNESIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGANESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 20...	22	1	12	<1	1	2.7	49	28	38	.27	1900
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYBDENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYMIUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOSPHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTASSIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCANDIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELENIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 20...	.07	1	36	35	14	.090	.75	9	.5	.8	.088
DATE	STRONTIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTALUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANADIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTERBIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	CIS-NONACHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)
AUG 20...	38	<.05	1	11	2	3.5	87	31	2	140	--
DATE	TRANS-NONACHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXYCHLORDANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS-CHLORDANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS-CHLORDANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORONEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'-DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'-DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'-DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)	P, P'-DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)
AUG 20...	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	3.50	<1.00	9.50
DATE	O, P'-DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'-DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIELDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDOSULFAN I, SED, BM WS,<2MM- DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA-BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA-BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTACHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTACHLOR EPOXIDE, SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXACHLOR- SED, BM WS,<2MM DW, REC (UG/KG) (49343)	
AUG 20...	<2.00	6.90	<1.00	<1.00	3.10	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P', SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P', SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS-PER-METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS-PER-METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXAPHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTACHLORANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 20...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

TENNESSEE RIVER BASIN

03575100 FLINT RIVER AT BROWNSBORO, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM HG) (00025)	TUR- BID- ITY (NTU) (00076)	TUR- BID- ITY UNFLTRD (NTU) (61028)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
JAN												
12...	1445	878	136	7.4	8.0	751	6.3	--	11.2	96	--	150
FEB												
10...	1330	1900	138	7.9	14.5	752	--	93	9.5	93	K4200	K3800
28...	1500	4070	97	6.6	13.0	740	--	88	9.8	96	8400	7000
MAR												
09...	1500	1480	132	7.7	10.0	743	--	11	10.2	93	K230	K100
14...	0945	5710	90	7.4	8.0	740	--	83	9.8	85	5600	5800
25...	0830	806	142	7.4	13.0	749	--	5	8.6	83	60	72
APR												
07...	1400	613	147	8.0	21.0	748	--	3	10.0	114	48	66
19...	1610	383	154	7.5	15.5	745	--	2	12.3	126	32	K17
27...	0845	854	150	7.6	17.5	742	--	250	6.6	71	K1200	1300
MAY												
04...	1530	434	133	7.7	19.0	742	--	7	8.6	95	130	--
06...	1645	9320	97	7.4	18.0	744	--	260	7.5	81	--	--
12...	1800	562	160	7.7	20.0	745	--	6	7.9	89	90	110
25...	1345	306	168	7.8	22.0	745	--	5	9.0	105	K50	K50
JUN												
08...	1330	448	146	7.8	24.0	750	--	28	7.5	91	390	280
23...	1300	191	170	7.8	23.0	746	--	12	6.6	79	--	98
JUL												
08...	0830	218	175	7.4	25.5	747	--	16	6.7	84	K200	K120
13...	1145	599	107	7.2	23.0	748	--	48	6.5	77	K1900	K730
27...	0745	161	174	8.1	25.5	745	--	16	6.3	79	140	190
AUG												
10...	1630	118	180	7.6	27.0	742	--	8	7.5	97	81	46
24...	1530	120	178	7.7	24.5	745	--	7	7.5	92	--	K51
SEP												
07...	1130	108	177	7.8	24.0	740	--	3	7.3	89	53	38

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS NA) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
JAN												
12...	57	11	18	2.6	1.5	5	.1	1.4	56	46	3.6	5.2
FEB												
10...	63	6	21	2.6	1.1	4	.1	1.2	70	57	1.4	4.5
28...	41	10	13	1.8	1.2	6	.1	1.9	38	31	--	4.3
MAR												
09...	56	4	18	2.6	1.3	5	.1	.84	63	52	--	3.3
14...	37	6	12	1.6	.97	5	.1	1.6	38	31	--	3.6
25...	64	9	21	2.9	1.5	5	.1	.78	67	55	--	3.8
APR												
07...	66	9	21	3.2	1.6	5	.1	1.3	69	56	--	2.8
19...	76	17	24	3.8	1.6	4	.1	1.0	71	58	--	3.2
27...	71	14	22	3.6	1.7	5	.1	1.7	70	58	--	3.8
MAY												
04...	66	7	21	3.3	1.9	6	.1	1.2	72	E59	--	3.7
06...	42	7	14	1.6	.71	3	.0	2.6	43	36	--	3.6
12...	69	9	22	3.3	1.7	5	.1	1.4	73	60	--	3.3
25...	76	--	24	3.9	1.9	5	.1	1.6	100	82	--	2.6
JUN												
08...	62	3	20	3.2	1.7	6	.1	1.9	73	60	--	3.7
23...	74	11	23	4.0	2.1	6	.1	1.7	77	63	--	2.1
JUL												
08...	78	5	25	4.1	1.8	5	.1	1.6	89	73	--	2.3
13...	45	5	14	2.4	1.2	5	.1	2.3	48	40	--	1.9
27...	80	15	25	4.2	2.1	5	.1	1.8	79	65	--	2.8
AUG												
10...	83	9	25	4.7	2.5	6	.1	2.1	90	74	--	3.2
24...	79	17	24	4.6	2.8	7	.1	2.0	76	62	--	3.7
SEP												
07...	85	13	25	5.1	2.1	5	.1	1.9	88	72	--	2.8

TENNESSEE RIVER BASIN

03575100 FLINT RIVER AT BROWNSBORO, AL--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
JAN												
12...	4.3	<.10	5.6	84	75	.11	--	<.010	1.81	<.020	.13	.24
FEB												
10...	2.8	<.10	4.1	85	77	.12	--	<.010	1.04	<.020	.23	.58
28...	2.9	<.10	3.5	70	52	.10	.833	.016	.849	.155	.58	.94
MAR												
09...	4.0	<.10	4.2	78	72	.11	--	<.010	1.40	<.020	.11	.18
14...	2.7	<.10	3.0	60	49	.08	.881	.013	.894	.165	.51	1.1
25...	4.0	<.10	2.6	81	75	.11	1.21	.030	1.24	<.020	.12	.13
APR												
07...	4.0	<.10	1.3	88	75	.12	1.20	.010	1.21	<.020	.19	.25
19...	3.8	<.10	2.3	93	81	.13	--	<.010	1.35	.025	.16	.20
27...	3.9	<.10	4.6	92	84	.13	1.54	.023	1.56	.224	.43	1.1
MAY												
04...	4.0	<.10	4.6	91	82	.12	1.43	.018	1.45	.052	.16	.24
06...	2.2	<.10	3.0	74	53	.10	--	<.010	.701	.107	.50	1.1
12...	4.8	<.10	5.2	94	85	.13	1.67	.018	1.68	.025	.42	.26
25...	4.8	<.10	4.0	107	101	.15	1.89	.032	1.92	.031	.15	.24
JUN												
08...	4.7	<.10	6.2	101	85	.14	--	<.010	1.63	.055	.22	.35
23...	5.0	<.10	5.8	102	90	.14	--	<.010	1.74	<.020	.15	.18
JUL												
08...	4.2	<.10	6.3	104	97	.14	--	<.010	1.79	.035	E.10	.19
13...	3.1	<.10	5.6	71	59	.10	.952	.012	.964	.035	.31	.51
27...	4.6	<.10	7.0	101	86	.14	--	--	--	--	--	--
AUG												
10...	5.2	<.10	6.8	110	103	.15	--	<.010	1.90	<.020	.13	.17
24...	5.7	<.10	6.7	97	96	.13	--	<.010	1.89	<.020	.12	.19
SEP												
07...	7.2	<.10	6.1	109	103	.15	--	<.010	1.86	<.020	.13	.15

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC DIS- SOLVED (UG/L) (34253)
JAN												
12...	2.1	.045	.017	.023	22	12	2.3	.20	--	--	--	--
FEB												
10...	1.6	.147	.021	.027	22	5.2	3.0	2.5	<.002	<.0020	.027	<.0020
28...	1.8	.154	.026	.011	72	9.9	5.2	2.0	<.002	.0126	.035	<.0020
MAR												
09...	1.6	.030	.007	.023	31	11	1.7	.20	<.002	<.0020	.033	<.0020
14...	2.0	.188	.056	.050	67	8.7	4.2	2.2	<.002	<.0020	.024	<.0020
25...	1.4	.015	.008	<.010	41	14	1.5	<.20	<.002	<.0020	.032	<.0020
APR												
07...	1.5	.021	.009	<.010	45	17	1.6	.30	<.002	<.0020	.034	<.0020
19...	1.5	.020	.011	.010	65	20	1.5	<.20	<.002	<.0020	.139	<.0020
27...	2.7	.363	.047	.043	11	5.6	1.6	3.1	<.002	<.0020	.840	<.0020
MAY												
04...	1.7	.034	.046	.039	41	28	1.6	.30	<.002	.0092	1.40	<.0020
06...	1.8	.348	.081	.068	80	24	6.4	2.2	.024	.0912	3.22	<.0020
12...	1.9	.027	.031	.022	26	24	1.6	.20	<.002	<.0020	.715	<.0020
25...	2.2	.068	.055	.048	22	16	1.2	<.20	<.002	<.0020	.209	<.0020
JUN												
08...	2.0	.064	.068	.062	25	34	2.2	.80	<.002	<.0020	.437	<.0020
23...	1.9	.142	.126	.104	270	20	1.2	.30	<.002	<.0020	.126	<.0020
JUL												
08...	2.0	.118	.090	.072	<10	24	1.3	.60	<.002	<.0020	.059	<.0020
13...	1.5	.164	.086	.067	32	14	4.1	.40	.073	<.0020	.108	<.0020
27...	--	--	--	--	E6.2	22	--	--	--	--	--	--
AUG												
10...	2.1	.143	.140	.116	<10	17	1.1	.20	<.002	<.0020	.036	<.0020
24...	2.1	.081	.145	.121	<10	17	1.4	.30	<.002	<.0020	.021	<.0020
SEP												
07...	2.0	.130	.126	.095	<10	18	1.0	<.20	<.002	<.0020	.022	<.0020

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03575100 FLINT RIVER AT BROWNSBORO, AL--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	P, P' DDE DISSOLV (UG/L) (34653)
FEB												
10...	<.0020	<.0040	<.0040	E.0188	<.002	<.001	<.0030	<.004	<.005	<.004	.009	<.0060
28...	<.0020	<.0040	<.0040	E.0200	<.010	<.001	<.0030	<.004	<.005	<.004	.009	<.0060
MAR												
09...	<.0020	<.0040	<.0040	E.0353	<.002	<.001	<.0030	<.004	<.005	<.004	.007	<.0060
14...	<.0020	<.0040	.455	E.0169	<.002	<.001	<.0030	<.004	<.005	<.004	<.020	<.0060
25...	<.0020	<.0040	.0049	E.0301	<.002	<.001	<.0030	<.004	<.005	<.004	.007	<.0060
APR												
07...	<.0020	<.0040	<.0040	E.0267	.004	<.001	<.0030	<.004	<.005	<.004	.007	<.0060
19...	<.0020	<.0040	<.0040	E.0329	<.002	<.001	<.0030	<.004	<.005	<.004	.043	<.0060
27...	<.0020	<.0040	<.0040	E.0975	<.002	<.001	<.0030	<.004	<.005	<.004	.033	<.0060
MAY												
04...	<.0020	<.0040	<.0040	E.0917	<.002	<.001	<.0030	<.004	<.005	<.004	.321	<.0060
06...	<.0020	<.0040	.0247	E.255	.030	<.001	<.0030	<.004	<.005	<.004	1.14	<.0060
12...	<.0020	<.0040	<.0040	E.118	<.002	<.001	<.0030	<.004	.152	<.004	.132	<.0060
25...	<.0020	<.0040	<.0040	E.0576	<.002	<.001	<.0030	<.004	<.005	<.004	.029	<.0060
JUN												
08...	<.0020	<.0040	<.0100	E.0783	<.002	<.001	<.0030	<.004	.025	.014	.160	<.0060
23...	<.0020	<.0040	<.0040	E.0576	<.002	<.001	<.0030	<.004	<.005	<.004	.012	<.0060
JUL												
08...	<.0020	<.0040	<.0040	E.0300	<.002	<.001	<.0030	<.004	<.005	<.004	.009	<.0060
13...	<.0020	<.0700	2.26	E.0270	<.002	<.001	<.0030	<.004	<.005	.143	.083	<.0060
AUG												
10...	<.0020	<.0040	.0073	E.0184	<.002	<.001	<.0030	<.004	<.005	<.004	.006	<.0060
24...	<.0020	<.0040	<.0040	E.0221	<.002	<.001	<.0030	<.004	.011	<.004	.005	<.0060
SEP												
07...	<.0020	<.0040	<.0040	E.0235	<.002	<.001	<.0030	<.004	<.005	<.004	E.004	<.0060

DATE	PARA- THION, DIS- SOLVED (UG/L) (39542)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BEN- FLUR- ALIN WAT FLD GF, REC (UG/L) (82673)	CAR- BARYL WATER FLTRD GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD GF, REC (UG/L) (82674)	DCPA WATER FLTRD GF, REC (UG/L) (82682)	2,6-DI- ETHYL ANILINE WAT FLT GF, REC (UG/L) (82660)	DISUL- FOTON WATER FLTRD GF, REC (UG/L) (82677)	ETHAL- FLUR- ALIN WAT FLT GF, REC (UG/L) (82663)
FEB											
10...	<.004	<.0070	<.0180	.0096	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
28...	<.004	<.0070	<.0180	.0080	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
MAR											
09...	<.004	<.0070	<.0180	.0134	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
14...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	.0283	<.0040
25...	<.004	<.0070	<.0180	E.0048	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
APR											
07...	<.004	<.0070	<.0180	.0065	<.0020	<.0030	E.0246	<.0020	<.0030	<.0170	<.0040
19...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
27...	<.004	<.0070	E.0059	.0129	<.0020	<.0500	<.0030	<.0020	<.0030	<.0170	<.0040
MAY											
04...	<.004	<.0070	E.0059	.0108	<.0020	<.0030	E.0160	<.0020	<.0030	<.0170	<.0040
06...	<.004	<.0070	E.0114	.0833	<.0020	E.0566	E.0189	<.0020	<.0030	<.0170	<.0040
12...	<.004	<.0070	E.0074	.0098	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
25...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
JUN											
08...	<.004	<.0070	E.0058	.0142	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
23...	<.004	<.0070	<.0180	.0248	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
JUL											
08...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
13...	<.004	<.0070	<.0180	<.0050	<.0020	E.0129	<.0030	<.0020	<.0030	<.0170	<.0040
AUG											
10...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
24...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
SEP											
07...	<.004	<.0070	E.0034	E.0047	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040

TENNESSEE RIVER BASIN

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
FEB											
10...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
28...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
MAR											
09...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
14...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
25...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
APR											
07...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
19...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
27...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	.193	<.0050	<.0020
MAY											
04...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0100	<.0050	<.0020
06...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	.132	<.0050	.0102
12...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
25...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
JUN											
08...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0200	<.0050	<.0020
23...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
JUL											
08...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
13...	<.0030	<.0020	.709	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
AUG											
10...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
24...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
SEP											
07...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
DATE	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	SEDI- MENT, SUS- PENED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN											
12...	--	--	--	--	--	--	--	--	--	4	89
FEB											
10...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	40	98
28...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	96	94
MAR											
09...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	34	76
14...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	109	95
25...	<.0030	<.0040	<.0130	E.0052	<.0070	<.0130	<.0010	<.0020	<.0020	8	91
APR											
07...	<.0030	<.0040	<.0130	E.0068	<.0070	<.0130	<.0010	<.0020	<.0020	11	88
19...	<.0030	<.0040	<.0130	E.0092	<.0070	<.0130	<.0010	<.0020	<.0020	4	83
27...	<.0030	<.0040	<.0130	<.0100	E.0197	<.0130	<.0010	E.0037	<.0020	207	98
MAY											
04...	<.0030	<.0040	<.0130	E.0081	<.0070	<.0130	<.0010	<.0020	<.0020	8	87
06...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	.0130	<.0020	193	95
12...	<.0030	<.0040	<.0130	E.0093	<.0070	<.0130	<.0010	<.0020	<.0020	16	69
25...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	11	82
JUN											
08...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	44	93
23...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	16	96
JUL											
08...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	22	96
13...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	57	98
27...	--	--	--	--	--	--	--	--	--	24	88
AUG											
10...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	12	90
24...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	12	94
SEP											
07...	<.0030	<.0040	<.0130	E.0084	<.0070	<.0130	<.0010	<.0020	<.0020	7	94

**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 06030002, 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 September 1997. October 1997 to current year (gage height only). 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 sea level. 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 located 28.3 mi downstream.

REMARKS.--Flow almost completely regulated.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 323,000 ft³/s, Mar. 19, 1973, gage height, 26.06 ft. Maximum gage height (since October 1997), 16.41 ft, Jan. 9, 1998; minimum gage height (since October 1997), 1.34 ft, Feb. 26, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.33 ft, Jan. 25; minimum gage height, 1.34 ft, Feb. 26.

**GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.15	3.09	2.39	5.20	7.33	5.68	4.35	6.88	---	8.42	7.14	6.46
2	4.88	3.82	2.22	4.93	7.64	5.94	4.31	6.96	---	8.29	7.36	6.26
3	4.52	3.84	2.54	3.73	7.43	6.68	4.96	7.54	---	8.27	7.32	6.00
4	4.74	3.84	2.61	3.39	7.23	7.31	4.86	7.29	---	7.92	7.11	5.71
5	4.97	4.21	2.45	2.77	6.97	7.13	4.87	---	6.44	7.43	6.87	5.83
6	4.70	4.22	2.37	2.96	7.14	7.25	4.95	---	6.83	7.50	6.73	5.90
7	4.40	3.72	2.47	2.76	7.15	7.27	5.07	---	7.70	7.16	6.76	6.06
8	4.21	3.57	2.84	2.41	6.51	7.14	5.20	---	7.32	7.25	7.06	5.67
9	3.95	3.46	2.88	4.65	5.03	7.69	5.42	---	7.14	7.36	7.11	5.23
10	3.56	3.50	---	6.02	4.53	7.53	5.11	---	6.72	6.94	6.90	4.69
11	3.66	3.31	---	6.06	5.00	6.10	5.40	---	6.28	7.56	6.60	4.73
12	4.51	3.81	---	5.85	5.33	5.30	5.50	---	6.08	8.92	6.52	4.74
13	4.33	3.57	---	5.57	5.15	5.71	5.48	---	6.42	9.92	6.50	5.50
14	4.07	3.28	5.81	6.22	5.03	8.13	5.50	---	7.29	9.95	6.07	5.39
15	3.95	3.25	5.32	8.17	4.32	8.15	5.91	---	---	9.94	6.11	4.97
16	4.39	3.76	4.90	10.86	3.61	6.73	6.35	---	---	9.68	6.52	5.11
17	3.85	3.27	5.00	10.71	3.45	6.75	6.33	---	---	8.31	6.44	4.64
18	3.89	3.37	4.68	9.45	3.19	6.61	6.05	---	---	8.23	6.09	4.64
19	4.13	3.21	3.61	9.05	4.51	6.25	6.12	---	6.30	8.22	5.78	4.65
20	3.99	3.64	2.65	8.95	4.79	5.92	6.06	---	6.59	8.15	5.84	5.34
21	3.97	2.86	3.18	9.06	4.62	5.54	6.16	---	7.18	7.95	6.02	5.16
22	4.35	2.97	3.49	8.50	4.69	5.33	6.19	---	7.15	8.01	6.41	4.81
23	3.76	3.30	2.26	10.31	4.90	5.13	6.18	---	6.91	7.94	6.72	5.36
24	3.14	3.11	3.07	12.71	4.71	5.36	6.04	---	6.61	6.95	6.51	5.13
25	3.12	3.12	4.98	13.27	3.01	5.25	6.03	---	6.36	7.93	6.13	4.49
26	3.39	3.37	5.75	12.75	2.11	4.73	6.00	---	6.24	8.21	5.87	4.81
27	3.34	3.16	5.89	11.41	2.05	3.42	6.21	---	7.13	8.08	5.69	5.42
28	3.47	2.76	6.15	9.09	3.08	3.71	6.52	---	8.37	7.79	5.89	4.95
29	3.61	2.62	5.98	8.36	---	3.82	6.62	---	8.83	7.48	6.35	4.51
30	3.37	2.04	5.99	7.71	---	4.02	6.77	---	8.33	6.99	6.86	4.31
31	3.17	---	5.81	6.73	---	4.13	---	---	---	6.96	6.67	---
MEAN	4.02	3.37	---	7.41	5.02	5.99	5.68	---	---	8.06	6.51	5.22
MAX	5.15	4.22	---	13.27	7.64	8.15	6.77	---	---	9.95	7.36	6.46
MIN	3.12	2.04	---	2.41	2.05	3.42	4.31	---	---	6.94	5.69	4.31

TENNESSEE RIVER BASIN

03575830 INDIAN CREEK NEAR MADISON, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 34°41'50", long 86°42'00", in NE¹/₄ sec. 14, T. 4 S., R. 2 W., Madison County, Hydrologic Unit 06030002, 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.

WATER-DISCHARGE RECORDS

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. Prior to October 1972, published as 03576100, Indian Creek near Madison.

REVISED RECORDS.--WSP 1910: 1960.

GAGE.--Water-stage recorder. Datum of gage is 601.32 ft above sea level.

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.

EXTREMES OUTSIDE PERIOD OF DAILY DISCHARGE RECORD.--The flood of March 16, 1973 reached a gage height of 12.70 ft, discharge, 16,500 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	3.0	9.2	41	418	111	65	33	56	41	8.5	2.3
2	3.1	3.0	8.7	108	250	96	56	31	117	36	8.0	2.5
3	3.4	3.5	8.6	139	187	353	52	29	59	34	7.4	2.4
4	4.9	2.9	8.6	65	152	151	50	25	44	32	7.5	2.6
5	3.6	2.6	8.9	47	129	113	47	67	76	33	7.9	2.7
6	3.7	3.3	9.6	42	121	167	62	1110	42	27	7.5	2.4
7	74	3.5	11	42	122	117	48	149	40	25	6.6	2.4
8	14	4.1	16	92	112	96	45	94	33	20	6.1	2.1
9	4.9	4.3	11	556	104	179	43	77	31	20	5.8	2.1
10	5.2	14	13	136	445	116	41	69	30	21	5.5	3.2
11	5.5	8.3	17	91	150	97	38	61	31	30	5.5	3.2
12	5.3	7.3	95	78	132	86	36	57	28	39	5.1	3.3
13	5.2	7.2	244	76	113	466	34	59	27	27	5.1	3.1
14	5.0	11	55	985	96	568	34	54	35	21	5.3	3.1
15	4.8	9.8	38	332	90	263	43	50	35	18	4.7	2.0
16	3.9	7.9	33	169	84	171	35	47	29	15	4.4	2.2
17	3.8	8.6	28	131	160	137	33	44	25	13	3.9	2.4
18	4.0	8.7	22	270	153	114	31	44	21	13	3.9	2.9
19	4.0	8.7	32	144	110	97	30	42	15	11	3.6	2.8
20	4.1	11	31	117	91	108	29	39	17	11	3.9	3.2
21	3.7	9.2	26	108	82	170	27	37	18	11	4.4	2.8
22	3.5	9.3	32	113	78	106	26	37	17	13	4.2	2.6
23	3.3	9.5	41	1980	73	88	25	36	19	14	3.6	2.8
24	3.6	9.4	192	372	70	83	26	35	37	42	3.3	2.6
25	4.3	8.7	65	212	66	75	25	33	28	24	3.9	2.4
26	4.1	8.4	56	172	62	68	30	32	26	12	3.7	2.2
27	4.0	8.4	46	148	146	63	61	31	30	9.7	3.0	2.2
28	3.7	8.5	187	130	312	60	43	29	1120	9.0	2.6	2.9
29	2.9	9.4	95	122	---	60	52	28	95	11	2.8	4.4
30	3.5	9.5	58	240	---	57	42	31	50	9.0	2.6	3.4
31	3.5	---	46	1140	---	66	---	70	---	8.3	2.1	---
TOTAL	205.5	223.0	1543.6	8398	4108	4502	1209	2580	2231	650.0	152.4	81.2
MEAN	6.63	7.43	49.8	271	147	145	40.3	83.2	74.4	21.0	4.92	2.71
MAX	74	14	244	1980	445	568	65	1110	1120	42	8.5	4.4
MIN	2.9	2.6	8.6	41	62	57	25	25	15	8.3	2.1	2.0
CFSM	.14	.15	1.02	5.53	2.99	2.96	.82	1.70	1.52	.43	.10	.06
IN.	.16	.17	1.17	6.38	3.12	3.42	.92	1.96	1.69	.49	.12	.06

TENNESSEE RIVER BASIN
03575830 INDIAN CREEK NEAR MADISON, AL--Continued
(National Water-Quality Assessment Station)

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1999, BY WATER YEAR (WY)

MEAN	30.1	39.3	82.4	120	137	175	115	72.1	37.1	21.1	15.9	11.4
MAX	450	251	439	271	415	435	325	289	223	124	111	33.6
(WY)	1976	1978	1991	1999	1994	1980	1983	1983	1989	1989	1982	1997
MIN	3.33	4.77	6.06	7.53	24.0	20.2	12.6	8.01	1.27	6.11	3.33	2.71
(WY)	1988	1991	1966	1981	1981	1988	1966	1988	1988	1987	1988	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1960 - 1999	
ANNUAL TOTAL	29257.0		25883.7		71.1	
ANNUAL MEAN	80.2		70.9		136	
HIGHEST ANNUAL MEAN					17.7	
LOWEST ANNUAL MEAN					5750	
HIGHEST DAILY MEAN	2010	Jan 7	1980	Jan 23	Dec 22 1990	
LOWEST DAILY MEAN	2.3	Sep 9	2.0	Sep 15	.88 Jun 21 1988	
ANNUAL SEVEN-DAY MINIMUM	3.0	Sep 8	2.4	Sep 3	.92 Jun 15 1988	
INSTANTANEOUS PEAK FLOW			3260	Jan 23	11600 Dec 22 1990	
INSTANTANEOUS PEAK STAGE			8.70	Jan 23	11.76 Dec 22 1990	
ANNUAL RUNOFF (CFSM)	1.64		1.45		1.45	
ANNUAL RUNOFF (INCHES)	22.21		19.65		19.71	
10 PERCENT EXCEEDS	183		147		145	
50 PERCENT EXCEEDS	12		30		25	
90 PERCENT EXCEEDS	3.7		3.2		5.1	

TENNESSEE RIVER BASIN

03575830 INDIAN CREEK NEAR MADISON, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973, 1982-83, 1998.

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 19...	6.0	1.0	10	330	1	<1	.3	.40	100	64	20
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NIUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 19...	22	2	12	<1	1	2.7	58	26	38	.30	1400
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 19...	.05	4	43	34	15	.071	.79	10	.5	.8	.088
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)
AUG 19...	40	<.05	2	12	2	3.1	92	40	3	150	--
DATE	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)
AUG 19...	<1.00	<1.00	<1.00	<1.00	1.10	<5.00	<5.00	<1.00	2.90	<1.00	13.0
DATE	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)	
AUG 19...	2.30	7.90	<1.00	<1.00	2.10	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 19...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<5.00	<200	<50	<1.0

TENNESSEE RIVER BASIN

03576250 LIMESTONE CREEK NEAR ATHENS, AL

LOCATION.--Lat 34°45'06", long 86°49'24", in SW¹/₄ sec. 26, T. 3 S., R. 3 W., Limestone County, Hydrologic Unit 06030002, on downstream side of U.S. Highway 72 bridge, 9 mi east of Athens, 12 mi west of Huntsville, and at mile 17.0.

DRAINAGE AREA.--119 mi².

PERIOD OF RECORD.--October 1939 to September 1970. October 1970 to September 1985 (annual peak discharge only). October 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is 626.34 ft above sea level.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 23, 1990 reached a stage of 15.20 ft, discharge, 26,700 ft³/s.

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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	18	31	207	1090	459	225	205	75	69	18	12
2	22	18	31	274	604	341	207	159	118	61	19	12
3	22	18	31	528	462	911	187	130	72	52	21	12
4	24	18	31	339	391	541	178	109	64	47	16	12
5	22	18	31	243	342	382	165	141	110	42	15	12
6	22	18	31	207	316	470	174	2740	133	38	18	11
7	46	18	34	201	323	407	167	736	78	32	19	12
8	57	19	49	354	315	334	150	342	65	31	19	12
9	37	20	50	1190	344	544	140	242	52	31	18	13
10	29	35	48	603	741	445	130	196	44	34	14	12
11	27	58	60	369	390	349	121	162	40	42	13	12
12	25	42	223	305	361	309	109	138	38	173	15	11
13	24	34	1070	270	345	988	102	171	36	88	17	11
14	23	37	387	1570	302	1830	98	204	50	61	18	12
15	22	44	225	1060	282	924	124	141	55	50	16	11
16	22	42	169	505	267	530	126	117	46	44	16	11
17	21	38	140	372	379	410	110	101	40	40	13	10
18	21	35	119	888	445	345	100	94	36	37	11	11
19	20	33	125	532	357	302	95	96	33	34	11	11
20	20	40	150	364	307	294	91	88	32	29	16	11
21	20	37	129	306	277	397	86	80	31	27	15	13
22	20	35	142	410	255	314	83	74	29	33	14	13
23	19	35	175	9530	241	271	81	71	27	35	14	13
24	19	34	550	1720	232	250	81	70	44	36	14	13
25	19	34	401	566	223	235	79	66	69	39	14	12
26	19	33	304	431	213	217	96	65	52	32	13	12
27	19	32	298	373	279	201	480	64	46	28	12	12
28	18	32	480	336	874	190	813	59	887	24	14	11
29	18	31	477	321	---	191	343	55	116	21	14	14
30	18	31	320	642	---	193	282	53	83	22	13	13
31	18	---	248	2030	---	197	---	71	---	19	12	---
TOTAL	735	937	6559	27046	10957	13771	5223	7040	2601	1351	472	357
MEAN	23.7	31.2	212	872	391	444	174	227	86.7	43.6	15.2	11.9
MAX	57	58	1070	9530	1090	1830	813	2740	887	173	21	14
MIN	18	18	31	201	213	190	79	53	27	19	11	10
CFSM	.20	.26	1.78	7.33	3.29	3.73	1.46	1.91	.73	.37	.13	.10
IN.	.23	.29	2.05	8.45	3.43	4.30	1.63	2.20	.81	.42	.15	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1999, BY WATER YEAR (WY)

MEAN	43.8	112	248	407	464	422	285	147	82.1	84.2	50.6	46.9
MAX	192	809	925	1181	1167	1052	736	478	395	379	329	184
(WY)	1998	1958	1952	1949	1951	1963	1964	1958	1997	1967	1967	1950
MIN	11.6	14.1	22.0	25.3	101	52.5	55.0	21.4	16.9	18.9	11.9	9.24
(WY)	1954	1954	1940	1940	1941	1962	1966	1941	1941	1954	1954	1954

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1940 - 1999	
ANNUAL TOTAL	87364		77049		198	
ANNUAL MEAN	239		211		346	
HIGHEST ANNUAL MEAN					79.4	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	5970	Jan 7	9530	Jan 23	14200	Mar 12 1963
LOWEST DAILY MEAN	17	Aug 11	10	Sep 17	8.0	Sep 2 1962
ANNUAL SEVEN-DAY MINIMUM	18	Oct 28	11	Sep 12	8.8	Sep 11 1954
INSTANTANEOUS PEAK FLOW			17000	Jan 23	45800	Mar 16 1973
INSTANTANEOUS PEAK STAGE			13.56	Jan 23	17.48	Mar 16 1973
ANNUAL RUNOFF (CFSM)	2.01		1.77		1.67	
ANNUAL RUNOFF (INCHES)	27.31		24.09		22.63	
10 PERCENT EXCEEDS	501		451		429	
50 PERCENT EXCEEDS	60		64		67	
90 PERCENT EXCEEDS	21		13		18	

TENNESSEE RIVER BASIN

03576500 FLINT CREEK NEAR FALKVILLE, AL

LOCATION.--Lat 34°22'23", long 86°56'01", in SW¹/₄ sec. 2, T. 8 S., R. 4 W., Morgan County, Hydrologic Unit 06030002, near left bank on downstream side of highway bridge, 1.2 mi downstream from Robinson Creek, 1.5 mi west of Falkville, and 2.8 mi upstream from Cedar Creek.

DRAINAGE AREA.--86.3 mi².

PERIOD OF RECORD.--July 1952 to September 1970, October 1970 to September 1973 (flood hydrograph), October 1992 to September 1999 (discontinued).

REVISED RECORD.--WSP 1556: 1953-57.

GAGE.--Water-stage recorder. Datum of gage is 572.59 ft above sea level (levels by Tennessee Valley Authority).

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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 23, 1990 reached a stage of 19.28 ft, discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	.01	11	211	918	222	250	43	16	29	1.2	.19
2	2.6	.01	11	275	638	178	197	37	21	17	1.2	.17
3	2.5	.01	12	1090	419	474	171	34	14	11	.95	.16
4	2.5	.03	11	761	295	548	168	28	13	8.5	1.0	.11
5	2.5	.08	11	401	231	326	156	33	14	6.3	1.3	.06
6	2.4	.13	11	249	193	390	276	972	33	4.6	.87	.03
7	7.1	.15	11	212	187	395	349	805	17	3.7	.72	.02
8	66	.42	40	220	173	274	239	239	12	45	.66	.01
9	8.8	2.3	158	603	147	351	199	131	9.9	36	.78	.01
10	2.9	7.4	74	836	707	314	164	99	8.4	9.8	.90	.01
11	1.1	17	63	481	777	246	137	79	7.0	13	1.1	.00
12	.41	13	100	293	395	212	110	62	6.4	201	1.0	.00
13	.49	6.1	311	225	260	316	93	54	5.7	108	.91	.00
14	.56	7.8	230	686	203	834	85	49	14	50	.99	.00
15	.60	98	135	1460	176	758	253	40	14	31	1.0	.00
16	.56	50	100	829	156	484	230	33	7.6	20	.92	.00
17	.45	32	79	493	326	314	142	28	6.7	13	.98	.00
18	.35	30	62	521	665	251	116	31	5.6	10	.89	.00
19	.18	22	56	549	456	210	99	37	4.9	7.2	.69	.00
20	.02	15	67	363	298	179	87	28	4.4	5.5	.54	.00
21	.00	17	55	267	231	267	74	22	3.9	9.2	.49	.00
22	.00	16	149	222	193	220	62	18	3.7	9.2	.45	.00
23	.00	16	214	1690	168	180	54	16	4.3	5.5	.40	.00
24	.00	15	932	1390	151	164	47	16	5.3	3.8	.39	.00
25	.00	14	1050	725	134	147	41	16	9.8	5.5	.39	.00
26	.00	14	548	443	123	130	44	14	8.8	11	.36	.00
27	.00	13	366	292	116	115	60	13	13	4.9	.32	.00
28	.00	12	595	235	297	105	93	12	245	3.4	.29	.00
29	.00	12	1150	200	---	129	75	10	152	2.3	.26	.00
30	.00	11	627	214	---	151	53	9.4	51	1.8	.23	.00
31	.01	---	319	579	---	152	---	9.3	---	1.3	.21	---
TOTAL	104.63	441.44	7558	17015	9033	9036	4124	3017.7	731.4	687.5	22.39	0.77
MEAN	3.38	14.7	244	549	323	291	137	97.3	24.4	22.2	.72	.026
MAX	66	98	1150	1690	918	834	349	972	245	201	1.3	.19
MIN	.00	.01	11	200	116	105	41	9.3	3.7	1.3	.21	.00
CFSM	.04	.17	2.83	6.36	3.74	3.38	1.59	1.13	.28	.26	.01	.00
IN.	.05	.19	3.26	7.33	3.89	3.90	1.78	1.30	.32	.30	.01	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1999, BY WATER YEAR (WY)

	MEAN	29.3	91.0	185	307	352	327	254	117	60.0	45.4	28.0	17.7
MAX	177	761	715	739	974	703	902	342	747	235	296	84.7	
(WY)	1998	1958	1968	1962	1961	1964	1964	1966	1997	1967	1967	1967	
MIN	.019	.080	1.28	1.42	74.0	117	59.4	14.6	7.03	2.40	.72	.026	
(WY)	1954	1954	1956	1956	1968	1966	1997	1965	1996	1962	1999	1999	

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1952 - 1999

ANNUAL TOTAL	61320.04	51771.83	
ANNUAL MEAN	168	142	150
HIGHEST ANNUAL MEAN			227
LOWEST ANNUAL MEAN			80.7
HIGHEST DAILY MEAN	3840	1690	7760
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
INSTANTANEOUS PEAK FLOW		2650	12500
INSTANTANEOUS PEAK STAGE		12.20	15.85
ANNUAL RUNOFF (CFSM)	1.95	1.64	1.74
ANNUAL RUNOFF (INCHES)	26.43	22.32	23.64
10 PERCENT EXCEEDS	445	408	361
50 PERCENT EXCEEDS	39	21	40
90 PERCENT EXCEEDS	.88	.01	.90

TENNESSEE RIVER BASIN
TENNESSEE RIVER MAIN STEM
03577150 TENNESSEE RIVER AT DECATUR, AL

LOCATION.--Lat 34°36'47", long 86°58'26", NE 1/4 sec. 17, T. 5 S., R. 4 W., Morgan County, Hydrologic Unit 06030002, on left bank at downstream side of Keller Memorial Bridge on U.S. Highway 31 in Decatur, 3.8 mi downstream from Flint Creek, 30 mi upstream of Wheeler Dam, and at mile 305.1.

DRAINAGE AREA.--26,900 mi².

PERIOD OF RECORD.--December 1926 to current year (gage heights). October 1990 to current year in reports of Geological Survey. Records for December 1926 to September 1990 in files of Tennessee Valley Authority.

GAGE.--Water-stage recorder. Datum of gage is 549.00 ft above sea level.

REMARKS.--Records good. Gage heights affected by Wheeler Lake since October 1936.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height (prior to October 1936), 8.5 ft, date unknown, maximum gage height (since October 1936), 9.97 ft, Mar. 18, 1973; minimum gage height (since October 1936), -0.10 ft, Dec. 8, 1962.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height known (from TVA records), 14.8 ft, Mar. 15, 1867.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.20 ft, May 8; minimum gage height, 1.33 ft, Dec. 23.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.29	3.18	1.91	3.30	3.28	3.65	4.28	6.84	6.36	7.18	6.65	5.96
2	4.19	3.32	1.95	2.83	3.58	3.75	4.48	6.89	6.32	7.11	7.06	5.62
3	3.98	3.27	2.05	2.60	3.65	4.01	4.61	6.84	6.35	7.17	7.06	5.40
4	4.10	3.17	2.35	2.19	3.63	3.94	4.95	6.70	6.23	7.21	6.72	5.34
5	4.15	3.19	2.42	1.70	3.20	4.00	4.97	6.65	6.14	7.11	6.31	5.78
6	3.99	3.00	2.34	1.68	3.06	4.33	5.05	7.28	6.60	6.84	6.15	5.96
7	3.95	3.06	2.21	2.06	3.22	4.32	5.10	7.90	6.88	6.71	6.26	5.74
8	3.81	3.25	2.38	1.90	2.96	4.11	5.19	7.92	6.85	6.56	6.66	5.14
9	3.72	2.97	2.22	2.86	2.72	4.12	5.36	7.15	6.49	6.56	7.03	4.83
10	3.49	2.69	---	3.64	2.52	4.50	5.40	7.13	6.19	6.73	7.10	4.79
11	3.61	2.82	---	3.73	2.56	3.91	5.49	6.95	5.95	7.06	6.62	4.88
12	3.76	2.98	---	3.60	3.00	2.95	5.43	6.84	5.95	7.45	6.14	4.86
13	3.88	2.96	---	3.56	2.92	2.66	5.29	6.85	6.21	7.38	6.04	4.88
14	3.68	2.89	3.89	4.19	2.69	3.57	5.41	6.86	6.55	7.46	6.27	4.82
15	3.63	3.00	2.95	4.64	2.26	4.08	5.81	6.78	---	7.42	6.40	4.67
16	3.70	2.99	2.56	5.61	1.97	4.40	6.17	6.93	---	7.37	6.52	4.56
17	3.68	2.85	2.66	6.36	2.43	4.81	6.33	6.96	---	7.19	6.64	4.65
18	3.72	2.71	2.34	6.46	2.37	4.90	6.11	6.78	---	7.21	6.26	4.53
19	3.68	2.74	2.01	6.31	2.68	4.36	6.00	6.67	6.13	7.22	5.57	4.52
20	3.53	2.86	2.02	5.84	3.07	3.92	6.04	6.60	6.44	7.21	5.23	4.60
21	3.46	2.75	1.86	5.07	3.45	3.87	6.10	6.67	6.74	7.01	5.25	4.96
22	3.47	2.71	2.04	4.46	2.91	4.06	6.09	6.78	7.05	7.02	5.65	4.96
23	3.33	2.77	1.78	6.02	2.73	3.83	6.03	6.86	6.74	6.79	6.16	4.79
24	3.13	2.71	2.38	6.92	2.71	3.86	6.19	6.88	6.52	6.71	6.17	4.55
25	3.19	2.71	2.91	7.14	2.21	3.80	6.20	6.56	6.23	7.10	5.80	4.55
26	3.07	2.82	3.76	6.33	1.86	3.39	6.23	6.27	6.05	7.41	5.51	4.55
27	3.05	2.82	4.43	5.05	1.92	3.00	6.17	6.04	6.60	7.31	5.30	4.65
28	3.11	2.70	4.54	3.59	2.74	3.33	6.45	6.05	7.23	6.97	5.09	4.31
29	3.19	2.55	4.32	3.00	---	3.51	6.61	6.28	6.99	6.66	5.44	4.25
30	3.16	2.02	4.14	2.85	---	3.79	6.73	6.26	6.94	6.38	5.93	4.19
31	3.18	---	4.10	2.91	---	4.09	---	6.29	---	6.06	6.24	---
MEAN	3.61	2.88	---	4.14	2.80	3.90	5.68	6.79	---	7.02	6.17	4.91
MAX	4.29	3.32	---	7.14	3.65	4.90	6.73	7.92	---	7.46	7.10	5.96
MIN	3.05	2.02	---	1.68	1.86	2.66	4.28	6.04	---	6.06	5.09	4.19

TENNESSEE RIVER BASIN

03586500 BIG NANCE CREEK AT COURTLAND, AL

LOCATION.--Lat 34°40'12", long 87°19'02", in SW¹/₄ sec. 30, T. 4 S., R. 7 W., Lawrence County, Hydrologic Unit 06030005, near right bank on downstream side of bridge on County Road 25 at Courtland, and at mile 12.9.

DRAINAGE AREA.--166 mi².

PERIOD OF RECORD.--September 1935 to September 1940, April 1945 to September 1981, March 1988 to current year.

REVISED RECORDS.--WSP 1033: 1939, 1940(M). WSP 1053: 1939(M). WSP 1306: 1936(M).

GAGE.--Water-stage recorder. Datum of gage is 537.60 ft above sea level. July 25, 1935 to Sept. 30, 1940, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Nov. 20 to Dec. 6, 24. 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	1.8	e3.8	238	2370	469	706	103	58	168	10	2.0
2	2.4	1.8	e3.7	284	938	267	395	81	73	109	9.7	2.0
3	2.5	1.8	e3.6	1430	594	1110	273	68	129	81	8.9	1.9
4	2.4	1.9	e3.5	734	466	1000	308	60	74	75	8.5	1.9
5	2.5	2.0	e3.8	314	375	434	408	82	139	52	8.4	1.9
6	3.1	1.9	e6.0	230	323	697	503	1880	186	40	8.4	1.9
7	5.0	1.8	27	223	299	805	619	2960	84	34	7.8	1.8
8	190	2.0	34	417	287	397	304	703	50	29	7.5	2.1
9	55	2.0	64	1140	235	852	236	281	38	28	7.1	2.6
10	5.0	2.3	49	1110	205	806	192	218	32	29	6.5	2.5
11	2.4	3.4	43	472	197	416	160	175	27	49	6.0	2.5
12	2.0	12	227	342	185	335	130	137	25	437	5.9	2.6
13	1.5	10	1350	277	196	1080	108	116	23	372	5.9	2.7
14	1.1	6.8	890	1440	167	2430	99	96	24	108	5.7	2.8
15	.84	6.6	238	2750	142	1750	128	80	84	60	5.1	2.7
16	.94	41	145	1170	131	664	196	71	110	41	4.5	2.5
17	1.1	25	103	498	272	472	132	60	52	32	4.1	2.3
18	1.2	11	78	1040	796	388	102	53	33	27	3.9	2.2
19	1.8	8.3	70	1110	419	326	89	54	25	23	3.6	2.2
20	2.0	e8.5	99	483	280	294	82	56	22	21	3.4	2.5
21	1.8	e12	92	361	217	566	81	45	20	19	3.0	3.6
22	1.6	e9.0	97	584	180	435	71	40	18	17	2.9	2.9
23	1.4	e7.0	237	5470	160	287	63	40	17	16	2.8	2.4
24	1.4	e5.5	e610	9500	151	239	57	39	20	16	2.9	1.9
25	1.5	e4.6	1510	4520	137	211	52	35	176	18	2.9	1.6
26	1.4	e4.3	471	1040	129	184	66	33	143	19	2.7	1.6
27	1.3	e4.0	350	567	141	161	168	31	56	15	2.6	1.6
28	1.4	e3.8	853	478	724	146	749	31	987	13	2.7	1.5
29	1.6	e3.9	1890	439	---	150	253	28	1790	12	2.6	1.6
30	1.7	e3.8	700	597	---	241	143	25	418	11	2.3	1.6
31	1.8	---	329	1690	---	289	---	26	---	11	2.0	---
TOTAL	302.28	209.8	10580.4	40948	10716	17901	6873	7707	4933	1982	160.3	65.9
MEAN	9.75	6.99	341	1321	383	577	229	249	164	63.9	5.17	2.20
MAX	190	41	1890	9500	2370	2430	749	2960	1790	437	10	3.6
MIN	.84	1.8	3.5	223	129	146	52	25	17	11	2.0	1.5
CFSM	.06	.04	2.06	7.96	2.31	3.48	1.38	1.50	.99	.39	.03	.01
IN.	.07	.05	2.37	9.18	2.40	4.01	1.54	1.73	1.11	.44	.04	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 1999, BY WATER YEAR (WY)

	MEAN	76.3	152	353	599	630	639	398	207	125	86.7	50.7	59.2
MAX	1481	1170	1704	1702	1523	1775	1130	1046	1202	640	323	569	
(WY)	1976	1958	1991	1949	1991	1973	1970	1991	1997	1940	1938	1979	
MIN	.52	1.87	2.96	8.56	103	69.1	88.0	18.2	4.49	1.68	1.65	1.03	
(WY)	1956	1940	1940	1956	1968	1988	1978	1988	1988	1954	1988	1947	

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1935 - 1999	
ANNUAL TOTAL	99660.18		102378.68			
ANNUAL MEAN	273		280		282	
HIGHEST ANNUAL MEAN					580	
LOWEST ANNUAL MEAN					97.9	
HIGHEST DAILY MEAN	7090		9500		18400	
LOWEST DAILY MEAN	.84		.84		.40	
ANNUAL SEVEN-DAY MINIMUM	1.2		1.2		.41	
INSTANTANEOUS PEAK FLOW			11200		27200	
INSTANTANEOUS PEAK STAGE			21.98		24.97	
ANNUAL RUNOFF (CFSM)	1.64		1.69		1.70	
ANNUAL RUNOFF (INCHES)	22.33		22.94		23.11	
10 PERCENT EXCEEDS	655		713		624	
50 PERCENT EXCEEDS	51		55		71	
90 PERCENT EXCEEDS	2.7		2.0		4.9	

e Estimated

TENNESSEE RIVER BASIN
TENNESSEE RIVER MAIN STEM
03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW¹/₄ 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 September 1997. October 1997 to current year (gage height only).

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 sea level. 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.--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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 530,000 ft³/s, Mar. 17, 1973; maximum gage height, 32.50 ft, Mar. 19, 1897; maximum gage height (since October 1997), 21.15 ft, Apr. 23, 1998; minimum gage height (since October 1997), 8.09 ft, Dec. 6, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.12 ft, Jan. 24; minimum gage height, 8.09 ft, Dec. 6.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.31	8.75	8.67	11.44	12.69	10.54	11.27	12.98	12.67	13.79	12.54	11.44
2	10.18	9.00	8.61	10.72	12.64	10.82	11.22	12.99	12.75	13.58	12.25	11.43
3	10.01	9.38	8.54	10.99	11.80	11.11	11.41	13.27	13.00	13.03	12.43	11.38
4	10.72	9.16	8.38	10.99	12.09	12.01	11.90	12.92	13.33	13.05	12.97	10.79
5	10.80	9.46	8.34	10.23	12.12	11.66	12.08	13.08	12.70	13.33	13.29	10.76
6	9.90	9.10	8.38	9.68	12.58	11.24	12.10	16.01	12.55	13.65	13.25	10.92
7	10.39	9.14	8.56	9.68	11.67	11.74	12.21	17.98	12.83	13.30	12.73	11.99
8	10.16	8.94	9.10	9.40	12.23	11.61	12.11	18.45	12.69	13.12	12.45	11.75
9	9.98	9.32	9.02	10.46	10.44	12.04	12.18	17.31	12.89	13.28	12.19	11.53
10	9.65	9.37	9.63	11.91	10.42	11.62	11.85	15.37	12.68	12.67	11.94	11.01
11	---	9.47	8.82	12.32	10.06	12.51	11.78	14.22	12.79	12.77	12.18	10.82
12	---	9.72	9.51	11.93	10.31	12.40	11.78	13.72	12.59	13.54	12.20	10.67
13	---	9.82	10.63	11.23	10.29	12.61	11.84	13.32	12.47	13.68	11.98	11.18
14	---	9.62	11.79	12.12	10.36	14.90	11.78	13.38	12.66	13.91	11.21	11.05
15	---	9.12	12.19	13.19	10.32	14.97	12.08	12.87	12.25	14.18	11.32	11.25
16	---	9.87	10.69	12.95	9.16	12.68	12.34	12.89	12.72	14.45	11.41	11.16
17	---	9.46	10.27	13.16	9.43	12.17	12.14	13.18	12.71	13.81	11.86	10.45
18	---	9.28	10.09	13.07	9.60	11.83	11.95	13.02	12.77	13.77	11.75	10.44
19	---	9.22	10.08	12.82	10.02	11.82	12.05	12.79	12.61	13.51	11.84	10.45
20	---	9.31	9.30	13.01	9.31	11.41	11.86	12.56	12.40	13.27	11.64	10.77
21	---	8.69	9.58	13.65	9.20	11.12	11.95	12.43	12.17	13.33	11.51	10.73
22	9.71	8.86	9.43	13.61	10.02	11.42	12.02	12.22	12.26	13.64	11.51	10.52
23	9.49	9.12	9.12	18.22	9.97	11.43	12.11	12.12	12.47	13.76	11.41	11.01
24	9.18	8.85	9.07	19.24	9.98	11.40	12.04	12.28	12.80	12.95	11.50	10.87
25	8.92	8.84	9.55	19.13	9.37	11.24	12.09	12.35	13.25	13.21	11.57	10.45
26	8.98	8.99	9.97	18.73	8.74	11.02	12.22	12.55	13.03	12.69	11.32	10.48
27	8.99	8.87	9.72	17.50	8.56	10.05	12.61	12.63	12.68	12.87	11.60	11.30
28	9.03	8.73	11.44	15.69	8.65	10.08	12.68	12.64	14.13	12.97	11.37	11.26
29	8.92	8.61	12.21	13.33	---	10.37	12.74	12.51	15.50	13.16	11.44	10.73
30	8.94	8.77	11.68	13.00	---	10.45	12.87	12.46	14.64	13.44	11.34	10.31
31	8.87	---	11.14	12.60	---	10.83	---	12.43	---	13.18	11.33	---
MEAN	---	9.16	9.79	13.10	10.43	11.65	12.04	13.51	12.90	13.38	11.91	10.96
MAX	---	9.87	12.21	19.24	12.69	14.97	12.87	18.45	15.50	14.45	13.29	11.99
MIN	---	8.61	8.34	9.40	8.56	10.05	11.22	12.12	12.17	12.67	11.21	10.31

TENNESSEE RIVER BASIN
TENNESSEE RIVER MAIN STEM
03590680 TENNESSEE RIVER AT SMITHSONIA, AL

LOCATION.--Lat 34°47'20", long 87°53'10", in SW 1/4 sec. 14, T. 3 S., R. 13 W., Lauderdale County, Hydrologic Unit 06030005, on right bank, 0.5 mi southwest of Smithsonia, at river mile 241.5.

DRAINAGE AREA.--31,350 mi², approximately.

PERIOD OF RECORD.--October 1938 to current year (gage height only). October 1998 to current year in reports of Geological Survey. Records for October 1938 to September 1998 in file of Tennessee Valley Authority.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft above sea level.

REMARKS.--Records good. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above and below station. Flow now almost completely regulated.

EXTREMES FOR PERIOD SINCE OCTOBER 1998.--Maximum gage height, 15.58 ft, May 8, 1999; minimum gage height, 7.46 ft, Dec. 11, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.58 ft, May 8; minimum gage height, 7.46 ft, Dec. 11.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	8.08	8.54	---	8.31	10.94	12.86	12.44	12.91	12.21	10.54
2	---	---	8.07	8.45	---	8.54	11.08	12.84	12.54	12.37	11.89	10.67
3	---	---	7.96	8.06	---	8.64	11.10	12.66	12.68	12.05	11.69	10.76
4	---	---	7.84	8.57	---	8.93	11.59	---	12.81	12.14	11.88	10.65
5	---	8.24	7.81	8.09	---	9.14	11.86	12.30	12.58	12.62	12.37	10.49
6	---	8.19	7.80	7.71	---	8.82	11.85	13.81	12.45	12.91	12.53	10.49
7	---	8.27	8.08	7.67	---	8.92	11.86	14.87	12.27	12.70	12.31	10.84
8	---	8.39	8.20	7.69	---	8.87	11.85	15.38	12.08	12.48	12.03	10.76
9	---	8.48	7.98	8.27	---	9.13	11.83	15.12	12.30	12.36	11.76	11.01
10	---	8.66	7.72	9.00	7.73	8.97	11.70	14.22	12.30	12.41	11.38	10.85
11	---	8.86	7.46	9.56	7.77	9.39	11.59	13.09	12.48	12.33	11.31	10.68
12	---	8.97	7.90	9.40	8.05	9.79	11.54	12.61	12.48	11.98	11.27	10.55
13	---	9.09	8.88	8.83	8.31	10.24	11.66	12.60	12.38	11.92	11.30	10.48
14	---	9.18	8.81	9.09	7.84	11.63	11.65	12.75	12.30	12.37	11.00	10.56
15	---	8.76	9.11	10.03	7.76	12.04	11.86	12.71	12.03	12.64	11.10	10.66
16	---	8.88	8.45	9.60	7.84	10.89	12.02	12.77	12.32	12.78	11.15	10.72
17	---	8.62	7.91	9.21	8.08	10.30	11.95	12.64	12.38	12.68	11.20	10.32
18	---	8.52	7.89	9.03	8.32	9.91	11.82	12.43	12.48	12.84	11.18	10.29
19	---	8.41	8.48	8.71	8.04	9.66	11.75	12.46	12.49	12.48	11.29	10.27
20	---	8.44	8.63	8.42	8.28	9.62	11.72	12.30	12.27	12.04	11.12	10.31
21	---	8.32	8.18	8.46	8.07	9.83	11.73	12.11	12.01	12.26	11.14	10.36
22	---	8.45	7.80	8.62	7.96	10.03	11.80	11.94	11.86	12.47	11.17	10.26
23	---	8.33	7.52	11.84	7.93	10.12	11.85	11.81	12.05	12.68	11.09	10.21
24	---	8.15	7.72	13.31	7.91	9.95	11.90	11.76	12.42	12.68	10.87	10.18
25	---	8.16	8.17	13.35	8.06	9.71	11.96	11.96	12.80	12.40	10.88	10.20
26	---	8.29	8.24	13.29	7.86	9.54	12.12	12.29	12.87	11.89	10.82	10.09
27	---	8.29	8.17	12.79	7.82	9.73	12.43	12.41	12.48	11.55	11.01	10.34
28	---	8.36	8.83	11.44	8.12	9.68	12.46	12.44	12.91	11.92	11.02	10.52
29	---	8.25	9.74	9.29	---	9.92	12.54	12.34	14.08	12.06	11.05	10.32
30	---	8.25	9.54	8.52	---	10.15	12.74	12.29	13.80	12.41	10.87	9.86
31	---	---	8.91	---	---	10.46	---	12.31	---	12.75	10.35	---
MEAN	---	---	8.25	---	---	9.71	11.82	---	12.51	12.39	11.36	10.47
MAX	---	---	9.74	---	---	12.04	12.74	---	14.08	12.91	12.53	11.01
MIN	---	---	7.46	---	---	8.31	10.94	---	11.86	11.55	10.35	9.86

TENNESSEE RIVER BASIN

LAKES AND RESERVOIRS IN TENNESSEE RIVER BASIN

03574000 GUNTERSVILLE LAKE NEAR GUNTERSVILLE, AL

LOCATION.--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 sea level.

REMARKS.--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. Contents in ft³/s-days based on backwater profile.

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.

EXTREMES FOR CURRENT YEAR: Maximum midnight contents during year, 556,800 ft³/s-day, Jan. 24; maximum elevation, 595.39 ft, June 26; minimum midnight contents, 454,200 ft³/s-day, Feb. 25; minimum elevation, 592.99 ft, Nov. 10.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Elevation (feet)	Contents (ft ³ /s-day)	Change in contents	
			(ft ³ /s-day)	(equivalent in cubic feet per second)
Sept. 30	593.97	485,200	--	--
Oct. 31	593.84	469,700	-15,500	-500
Nov. 30	593.63	471,900	+2,200	+73
Dec. 31	593.71	475,900	+4,000	+129
CAL YR 1998			+8,100	+22
Jan. 31	593.86	498,400	+22,500	+726
Feb. 28	594.00	487,600	-10,800	-386
Mar. 31	593.79	473,000	-14,600	-471
Apr. 30	594.89	511,400	+38,400	+1,280
May 31	594.66	499,200	-12,200	-394
June 30	594.89	520,300	+21,100	+703
July 31	594.42	499,400	-20,900	-674
Aug. 31	593.92	487,600	-11,800	-381
Sept. 30	594.09	483,600	+4,000	-133
WTR YR 1999			-1,600	-4

TENNESSEE RIVER BASIN

LAKES AND RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03586000 WHEELER LAKE NEAR DECATUR, AL

LOCATION.--Lat 34°47'52", long 87°22'51", SW¹/₄ 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 sea level.

REMARKS.--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. Contents in ft³/s-days based on backwater profile.

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.

EXTREMES FOR CURRENT YEAR.--Maximum midnight contents during year, 586,700 ft³/s-day, May 7; maximum elevation 556.31 ft, July 12, minimum midnight contents, 374,100 ft³/s-day, Jan. 5; minimum elevation, 550.02 ft, Dec. 22.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Elevation (feet)	Contents (ft ³ /s-day)	Change in contents	
			(ft ³ /s-day)	(equivalent in cubic feet per second)
Sept. 30	552.71	438,100	--	--
Oct. 31	551.92	410,500	-27,600	-890
Nov. 30	550.83	382,500	-28,000	-933
Dec. 31	552.37	437,900	+55,400	+1,790
CAL YR 1998			+35,700	+98
Jan. 31	551.45	423,400	-14,500	-468
Feb. 28	551.85	412,700	-10,700	-382
Mar. 31	553.14	442,600	+29,900	+965
Apr. 30	555.85	523,100	+80,500	+2,680
May 31	555.55	514,900	-8,200	-265
June 30	555.78	533,000	+18,100	+603
July 31	554.84	504,300	-28,700	-926
Aug. 31	554.87	493,600	-10,700	-345
Sept. 30	552.82	436,400	-57,000	-1,900
WTR YR 1999			-1,700	-5

TENNESSEE RIVER BASIN

LAKES AND RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03589000 WILSON LAKE NEAR FLORENCE, AL

LOCATION.--Lat 34°47'46", long 87°37'27", in SE 1/4 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 sea level.

REMARKS.--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, 322,200 ft³/s-day, July 16; elevation, 507.81 ft, July 16; minimum 297,000 ft³/s-day, Feb. 20, elevation 504.66 ft, Feb. 20.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Elevation (feet)	Contents (ft ³ /s-day)	Change in contents	
			(ft ³ /s-day)	(equivalent in cubic feet per second)
Sept. 30	507.26	317,700	--	--
Oct. 31	507.21	317,300	-400	-13
Nov. 30	507.37	318,700	+1,400	+47
Dec. 31	505.53	304,400	-14,300	-461
CAL YR 1998			+2,800	+8
Jan. 31	505.10	301,900	-2,500	-81
Feb. 28	506.54	311,900	+10,000	+357
Mar. 31	505.53	303,900	-8,000	-258
Apr. 30	507.15	317,000	+13,100	+437
May 31	507.07	316,300	-700	-23
June 30	506.71	313,200	-3,100	-103
July 31	507.41	318,900	+5,700	+184
Aug. 31	506.77	313,700	-5,200	-167
Sept. 30	507.21	317,300	+3,600	+120
WTR YR 1999			-400	-1

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood flow analyses, depending on the type of data collected. In addition, peak discharge information is gathered and discharge measurements are often made at miscellaneous sites not included in the partial-record program. This information is usually collected in times of drought or flood to give better areal coverage of those events.

Records collected at flood hydrograph partial-record stations are presented in the following tables. Annual maximum discharges for crest-stage partial-record stations, peak discharges at miscellaneous sites, discharge measurements made at low-flow partial-record sites, miscellaneous sites, and for special studies are given in separate tables as appropriate.

Flood hydrograph partial-record stations

The data given in the following tables generally comprise a description of the station and a table showing time, gage height, and discharge at selected times for major peaks that occurred during the year for flood hydrograph stations. Generally, information is given for peaks above base and other significant events throughout the year.

The description of the station gives the location, drainage area, period of record, type and history of gages, extremes of discharge, and general remarks. The explanation of data presented is identical to that for gaging stations.

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02420000 ALABAMA RIVER NEAR MONTGOMERY, AL

LOCATION.--Lat 32°24'41", long 86°24'30", in SW¹/₄NW¹/₄ sec. 31, T. 17 N., R. 17 E., Montgomery County, Hydrologic Unit 03150201, on 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.

PERIOD OF RECORD.--January 1899 to December 1904 (gage heights only). October 1927 to September 1990. October 1990 to current year (flood hydrograph). Published as "at Montgomery" 1899-1903.

REVISED RECORDS.--WSP 1142: 1929. WDR AL-80-1: 1978. WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.90 ft above sea level. January 1899 to December 1903, nonrecording gage at site 9.3 mi upstream at different datum (station 02419988). Auxiliary gage located 3.0 mi downstream on right bank for period Feb. 18, 1970 to Sept. 30, 1991. Mar. 27, 1951 to Feb. 17, 1970 National Weather Service nonrecording gage (station 02419988) used as auxiliary gage.

REMARKS.--Water-discharge records fair. Flow regulated by reservoirs on Etowah, Coosa, and Tallapoosa Rivers. (See Reservoirs in Mobile River basin.) Since January 1972, gage in pool of Robert F. Henry Lock and Dam.

AVERAGE DISCHARGE.--63 years (water years 1928-90), 23,890 ft³/s, 21.50 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 (regulated), 255 ft³/s, June 8, 1975, 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 94,000 ft³/s, Jan. 31, gage height, 35.44 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1998 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-29	1200	28.72	39,000	02-01	0400	35.29	92,000	02-03	1800	32.27	65,000
01-29	2400	29.02	40,000	02-01	0800	34.99	90,000	02-03	2400	32.10	63,000
				02-01	1200	34.76	88,000				
01-30	0600	29.18	42,000	02-01	1600	34.79	88,000	02-04	1200	31.23	56,000
01-30	1200	29.44	44,000	02-01	2000	34.77	88,000	02-04	2400	30.80	52,000
01-30	1800	30.02	46,000	02-01	2400	34.74	87,000				
01-30	2400	31.13	56,000					02-05	1200	30.91	53,000
				02-02	0600	34.60	86,000	02-05	2400	30.59	50,000
01-31	0400	32.12	64,000	02-02	1200	34.27	83,000				
01-31	0800	33.20	72,000	02-02	1800	33.83	80,000	02-06	1200	30.09	47,000
01-31	1200	34.17	83,000	02-02	2400	33.38	74,000	02-06	2400	30.29	49,000
01-31	1600	34.91	89,000								
01-31	2000	35.34	92,000	02-03	0600	32.89	71,000	02-07	1200	29.88	47,000
01-31	2400	35.44	94,000	02-03	1200	32.41	66,000	02-07	2400	29.24	42,000

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

MOBILE RIVER BASIN

02442500 LUXAPALLILA CREEK AT MILLPORT, AL

LOCATION.--Lat 33°34'30", long 88°05'00", in SW¹/₄ 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 September 1986. October 1986 to current year (flood hydrograph only).

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 sea level.

REMARKS.--No estimated discharges. Records good.

AVERAGE DISCHARGE.--10 years (water years 1955-59, 1982-86), 370 ft³/s, 20.34 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,500 ft³/s, Dec. 24, 1990, gage height, 14.07 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)
Dec. 28	1515	4,030	10.57	Jan. 31	1630	6,340	12.23
Jan. 24	1100	*12,200	*13.54				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-28	0400	4.88	957	01-22	1630	5.08	1,030	01-29	1700	5.23	1,090
12-28	0500	5.37	1,140	01-22	1700	5.57	1,220	01-29	1900	7.12	1,850
12-28	0600	6.13	1,450	01-22	1800	6.69	1,670	01-29	2000	8.42	2,500
12-28	0700	7.10	1,840	01-22	1900	8.10	2,320	01-29	2100	9.51	3,180
12-28	0730	7.61	2,080	01-22	2000	9.76	3,340	01-29	2200	10.11	3,600
12-28	0800	8.06	2,300	01-22	2100	10.89	4,340	01-29	2300	10.39	3,860
12-28	0830	8.53	2,570	01-22	2300	11.89	5,510	01-29	2400	10.54	4,000
12-28	0900	8.93	2,810								
12-28	0930	9.26	3,010	01-23	0100	12.20	6,250	01-30	0400	10.74	4,190
12-28	1000	9.52	3,180	01-23	0500	12.48	7,130	01-30	0800	10.20	3,680
12-28	1030	9.72	3,310	01-23	0845	12.60	7,600	01-30	1200	9.70	3,300
12-28	1100	9.91	3,440	01-23	1400	12.65	7,810	01-30	1600	10.54	4,000
12-28	1200	10.19	3,670	01-23	1730	12.67	7,890	01-30	1800	10.80	4,250
12-28	1300	10.37	3,840	01-23	2300	12.69	7,980	01-30	2200	10.96	4,410
12-28	1400	10.50	3,960								
12-28	1430	10.53	3,990	01-24	0200	12.86	8,730	01-31	0200	11.35	4,800
12-28	1500	10.56	4,020	01-24	0400	13.05	9,630	01-31	0400	11.77	5,340
12-28	1515	10.57	4,030	01-24	0600	13.29	10,800	01-31	0800	11.93	5,570
12-28	1545	10.55	4,010	01-24	0800	13.44	11,600	01-31	1200	12.10	5,960
12-28	1615	10.52	3,980	01-24	1000	13.52	12,000	01-31	1630	12.23	6,340
12-28	1730	10.36	3,830	01-24	1100	13.54	12,200	01-31	1900	12.19	6,220
12-28	1815	10.22	3,700	01-24	1200	13.53	12,100				
12-28	1900	10.10	3,590	01-24	1400	13.44	11,600	02-01	0300	12.14	6,080
12-28	2015	9.80	3,370	01-24	1800	13.08	9,770	02-01	0500	11.98	5,650
12-28	2100	9.61	3,240	01-24	2000	12.68	7,940	02-01	0700	11.58	5,060
12-28	2300	9.07	2,890	01-24	2200	12.06	5,850	02-01	0900	10.98	4,430
								02-01	1100	10.34	3,810
12-29	0100	8.57	2,590	01-25	0200	10.42	3,880	02-01	1700	8.80	2,730
12-29	0300	8.13	2,340	01-25	0600	9.05	2,880	02-01	2100	8.08	2,310
12-29	0600	7.54	2,040	01-25	1200	7.42	1,900				
12-29	1000	6.93	1,770	01-25	1600	6.80	1,720	02-02	0100	7.54	2,040
12-29	1400	6.45	1,580	01-25	2400	6.13	1,450	02-02	0700	6.98	1,790
12-29	2000	5.98	1,390					02-02	1300	6.57	1,620
				01-26	0800	5.76	1,300	02-02	2300	6.11	1,440
12-30	0500	5.49	1,390	01-26	2200	5.33	1,140				
12-30	1915	5.16	1,060					02-03	1300	5.59	1,230
12-30	2330	4.88	957					02-03	2100	5.40	1,150

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

0357526200 BIG COVE CREEK AT DUG HILL ROAD NEAR HUNTSVILLE, AL

LOCATION.--Lat 34°42'17", long 86°30'44", in SW¹/₄NW¹/₄ sec. 10, T. 45 S., R. 1 E., Madison County, Hydrologic Unit 0603002, at bridge on Dug Hill Road, 0.6 mi east of Highway 431.

DRAINAGE AREA.--4.89 mi².

PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 641.08 ft above sea level.

REMARKS.--No estimated discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,360 ft³/s, June 28, 1999, gage height, 12.20 ft.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 23	0115	667	9.76	May 06	0015	1340	11.08
				June 28	0325	*2,360	*12.20

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	2345	4.99	55	05-05	2330	7.26	226	06-28	0235	9.73	658
01-22	2400	5.48	79	05-05	2335	8.45	383	06-28	0240	10.21	854
				05-05	2340	9.57	609	06-28	0245	10.63	1,070
01-23	0010	5.89	104	05-05	2345	10.27	883	06-28	0250	10.98	1,260
01-23	0020	6.48	150	05-05	2350	10.69	1,100	06-28	0255	11.23	1,460
01-23	0025	6.95	195	05-05	2355	10.89	1,210	06-28	0300	11.46	1,660
01-23	0030	7.60	265					06-28	0305	11.67	1,850
01-23	0035	8.28	356	05-06	0005	11.02	1,290	06-28	0310	11.91	2,090
01-23	0040	8.86	454	05-06	0015	11.08	1,340	06-28	0315	11.97	2,150
01-23	0045	9.23	525	05-06	0030	11.01	1,280	06-28	0320	12.13	2,300
01-23	0050	9.46	577	05-06	0045	10.88	1,200	06-28	0325	12.20	2,360
01-23	0055	9.59	615	05-06	0110	10.68	1,090	06-28	0330	12.14	2,310
01-23	0100	9.63	627	05-06	0130	10.46	979	06-28	0340	12.02	2,200
01-23	0110	9.72	655	05-06	0200	9.94	735	06-28	0355	11.63	1,820
01-23	0115	9.76	667	05-06	0230	9.36	552	06-28	0400	11.52	1,720
01-23	0145	9.69	645	05-06	0300	8.89	459	06-28	0405	11.38	1,590
01-23	0200	9.57	609	05-06	0400	8.28	356	06-28	0410	11.26	1,480
01-23	0215	9.47	580	05-06	0500	7.79	286	06-28	0420	11.00	1,270
01-23	0300	9.26	531	05-06	0700	6.79	178	06-28	0435	10.63	1,070
01-23	0400	8.96	472	05-06	0800	6.43	145	06-28	0450	10.26	878
01-23	0500	8.20	344	05-06	0900	6.15	123	06-28	0500	9.96	743
01-23	0600	7.47	249	05-06	1100	5.76	96	06-28	0530	9.20	519
01-23	0700	6.92	192	05-06	1400	5.48	79	06-28	0600	8.63	413
01-23	0900	6.19	126	05-06	2010	5.12	60	06-28	0700	7.87	298
01-23	1100	5.72	93					06-28	0800	7.21	221
01-23	2300	5.01	55	06-28	0150	5.21	65	06-28	0900	6.75	174
				06-28	0155	5.74	94	06-28	1035	6.25	131
05-05	2310	5.11	60	06-28	0200	6.25	131	06-28	1325	5.74	94
05-05	2315	5.60	86	06-28	0205	6.81	180	06-28	1800	5.34	71
05-05	2320	6.01	113	06-28	0215	7.87	298	06-28	2120	5.22	65
05-05	2325	6.50	151	06-28	0225	8.69	423				

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

0357568650 ALDRIDGE CREEK AT TONEY DRIVE AT HUNTSVILLE, AL

LOCATION.--Lat 34°41'53", long 86°33'02", in SE 1/4 sec. 8, T. 45 S., R. 1 E., Madison County, Hydrologic Unit 0603002, at bridge on Toney Drive, 0.2 mi east of Garth Road, 0.5 mi south of intersection of Drake Avenue and Garth Road.

DRAINAGE AREA.--1.41 mi².

PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 653.62 ft above sea level.

REMARKS.--No estimated discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,320 ft³/s, June 28, 1999, gage height, 9.40 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 115 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 22	2400	349	4.92	May 05	2310	902	6.78
Feb. 27	1925	196	4.22	June 02	1225	138	3.89
				June 28	0250	*2,320	*9.40

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	2330	3.23	32	05-05	2220	3.21	30	06-28	0105	3.21	30
01-22	2335	3.53	74	05-05	2230	3.22	31	06-28	0115	3.32	43
01-22	2340	4.07	168	05-05	2240	3.37	50	06-28	0120	3.60	85
01-22	2345	4.49	249	05-05	2245	3.55	77	06-28	0125	4.36	222
01-22	2350	4.61	275	05-05	2250	4.49	249	06-28	0130	5.06	383
01-22	2355	4.71	298	05-05	2255	4.89	342	06-28	0135	5.86	588
01-22	2400	4.92	349	05-05	2300	5.32	444	06-28	0140	6.94	965
				05-05	2305	6.35	744	06-28	0145	7.78	1,340
01-23	0005	4.80	320	05-05	2310	6.78	902	06-28	0150	8.00	1,450
01-23	0010	4.50	251	05-05	2315	6.51	800	06-28	0155	7.72	1,310
01-23	0015	4.31	213	05-05	2320	5.99	627	06-28	0205	7.86	1,380
01-23	0020	4.19	191	05-05	2325	5.39	462	06-28	0210	8.21	1,560
01-23	0025	4.01	157	05-05	2330	5.08	388	06-28	0220	8.28	1,600
01-23	0030	3.85	130	05-05	2335	4.77	313	06-28	0225	8.55	1,760
01-23	0035	3.74	109	05-05	2340	4.60	273	06-28	0230	9.10	2,120
01-23	0040	3.70	102	05-05	2345	4.51	253	06-28	0240	9.17	2,160
01-23	0045	3.75	111	05-05	2350	4.40	230	06-28	0245	9.33	2,270
01-23	0050	3.87	134	05-05	2400	4.25	202	06-28	0250	9.40	2,320
01-23	0100	3.73	107					06-28	0255	9.14	2,140
01-23	0110	3.71	104	05-06	0010	4.10	173	06-28	0300	8.58	1,780
01-23	0120	3.63	90	05-06	0020	4.01	157	06-28	0305	7.60	1,250
01-23	0140	3.63	90	05-06	0030	4.03	160	06-28	0310	6.22	700
01-23	0200	3.64	91	05-06	0040	3.93	144	06-28	0315	5.55	503
01-23	0220	3.62	88	05-06	0045	3.89	138	06-28	0320	5.32	444
01-23	0230	3.61	86	05-06	0050	3.83	126	06-28	0325	4.73	303
01-23	0240	3.64	91	05-06	0100	3.76	112	06-28	0330	4.34	218
01-23	0300	3.65	93	05-06	0120	3.69	100	06-28	0340	3.86	132
01-23	0315	3.59	83	05-06	0140	3.64	91	06-28	0345	3.72	105
01-23	0325	3.64	91	05-06	0200	3.65	93	06-28	0410	3.70	102
01-23	0330	3.61	86	05-06	0230	3.56	79	06-28	0515	3.62	88
01-23	0345	3.56	79	05-06	0300	3.53	74	06-28	0600	3.55	77
01-23	0400	3.56	79	05-06	0330	3.53	74	06-28	0800	3.51	71
01-23	0415	3.52	73	05-06	0400	3.52	73	06-28	0935	3.42	58
01-23	0430	3.52	73	05-06	0500	3.51	71	06-28	1000	3.33	44
01-23	0500	3.39	53	05-06	0600	3.38	52				
01-23	0520	3.25	34	05-06	0700	3.22	31				

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

0357568980 ALDRIDGE CREEK AT SHERWOOD DRIVE NEAR HUNTSVILLE, AL

LOCATION.--Lat 34°39'51", long 86°33'15", in SW¹/₄NW¹/₄ sec. 29, T. 45 S., R. 1 E., Madison County, Hydrologic Unit 0603002, at bridge on Sherwood Drive, 0.75 mi east of Whitesburg Drive, 0.15 mi east of Cadillac Drive.

DRAINAGE AREA.--6.97 mi².

PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 606.87 ft above sea level.

REMARKS.--No estimated discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,150 ft³/s, June 28, 1999, gage height, 14.55 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 14	1305	656	6.61	May 05	2355	2,230	10.13
Jan. 23	0050	1,120	7.91	June 28	0340	*6,150	*14.55

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	2330	3.84	73	05-05	2240	3.46	40	06-28	0120	3.85	74
01-22	2345	4.15	111	05-05	2300	4.10	104	06-28	0135	4.87	223
01-22	2355	4.74	200	05-05	2305	4.90	229	06-28	0150	6.77	709
				05-05	2310	5.71	401	06-28	0200	8.70	1,470
01-23	0005	5.34	315	05-05	2315	6.34	574	06-28	0205	10.06	2,190
01-23	0010	5.64	383	05-05	2320	6.78	713	06-28	0215	11.96	3,570
01-23	0015	6.07	498	05-05	2325	7.15	839	06-28	0225	12.63	4,120
01-23	0020	6.51	625	05-05	2330	7.74	1,050	06-28	0245	13.34	4,790
01-23	0025	6.93	765	05-05	2335	8.51	1,380	06-28	0255	13.71	5,180
01-23	0030	7.28	884	05-05	2340	9.15	1,690	06-28	0300	13.90	5,390
01-23	0035	7.52	970	05-05	2345	9.70	1,980	06-28	0310	14.17	5,700
01-23	0040	7.67	1,030	05-05	2350	10.00	2,150	06-28	0320	14.31	5,860
01-23	0045	7.84	1,090	05-05	2355	10.13	2,230	06-28	0330	14.42	5,990
01-23	0050	7.91	1,120	05-05	2400	10.10	2,210	06-28	0340	14.55	6,150
01-23	0055	7.90	1,120					02-28	0345	14.40	5,970
01-23	0100	7.87	1,100	05-06	0005	10.00	2,150	06-28	0350	14.46	6,040
01-23	0105	7.78	1,070	05-06	0015	9.76	2,010	06-28	0355	14.42	5,990
01-23	0115	7.62	1,010	05-06	0025	9.48	1,860	06-28	0400	14.36	5,920
01-23	0130	7.40	926	05-06	0035	9.13	1,680	06-28	0405	14.20	5,730
01-23	0145	7.24	870	05-06	0045	8.79	1,510	06-28	0415	13.96	5,460
01-23	0200	7.10	823	05-06	0100	8.41	1,340	06-28	0425	13.57	5,030
01-23	0215	6.96	776	05-06	0115	8.11	1,200	06-28	0435	13.17	4,620
01-23	0230	6.86	740	05-06	0130	7.76	1,060	06-28	0450	12.03	3,620
01-23	0300	6.70	686	05-06	0200	7.11	826	06-28	0505	10.80	2,660
01-23	0330	6.57	644	05-06	0230	6.53	631	06-28	0525	9.47	1,860
01-23	0400	6.31	565	05-06	0300	6.12	512	06-28	0545	7.84	1,090
01-23	0500	5.65	386	05-06	0400	5.72	404	06-28	0605	7.02	796
01-23	0600	5.29	305	05-06	0500	5.44	337	06-28	0630	6.66	673
01-23	0800	4.90	229	05-06	0600	5.17	281	06-28	0730	6.01	483
01-23	1000	4.62	180	05-06	0700	4.96	242	06-28	0830	5.66	388
01-23	1200	4.42	150	05-06	0800	4.80	210	06-28	1000	5.23	293
01-23	1500	4.22	121	05-06	0900	4.67	188	06-28	1200	4.90	229
01-23	1800	4.10	104	05-06	1100	4.45	154	06-28	1500	4.55	169
01-23	2100	4.02	93	05-06	1300	4.28	129	06-28	2000	4.16	112
				05-06	1600	4.09	102	06-28	2400	4.01	92
				05-06	1900	3.98	89				

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

03575700 ALDRIDGE CREEK NEAR FARLEY, AL

LOCATION.--Lat 34°37'26", long 86°32'28", in NW 1/4 sec. 8, T. 5 S., R. 1 E., Madison County, Hydrologic Unit 06030002, on downstream side of bridge on Mountain Gap Road, 2.4 mi northeast of Farley, and 5.2 mi upstream from mouth.

DRAINAGE AREA.--13.0 mi² (revised).

PERIOD OF RECORD.--December 1960 to March 1964, September 1984 to current year (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 575.90 ft above sea level. Datum of gage prior to September 1984 was 581.36 ft above sea level.

REMARKS.--No estimated discharges. Missing data for peaks of January 14 and 23. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,890 ft³/s, June 28, 1999, gage height, 13.78 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 06	0035	3,010	9.74	June 28	0345	*7,890	*13.78

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
05-05	2305	3.29	69	05-06	0240	6.78	1,040	06-28	0340	13.63	7,650
05-05	2310	3.95	153	05-06	0320	6.09	739	06-28	0345	13.78	7,890
05-05	2315	4.99	384	05-06	0400	5.68	590	06-28	0355	13.63	7,650
05-05	2320	6.30	824	05-06	0505	5.23	450	06-28	0405	13.47	7,390
05-05	2325	7.51	1,410	05-06	0715	4.68	300	06-28	0415	13.41	7,300
05-05	2330	8.33	1,910	05-06	1015	4.22	200	06-28	0430	13.25	7,050
05-05	2335	8.85	2,290	05-06	1300	3.93	150	06-28	0440	13.21	6,990
05-05	2340	9.17	2,530	05-06	1500	3.78	127	06-28	0450	13.02	6,710
05-05	2345	9.48	2,790	05-06	1800	3.57	100	06-28	0500	12.80	6,380
05-05	2350	9.53	2,830	05-06	2400	3.31	71	06-28	0515	12.54	6,020
05-05	2355	9.57	2,870					06-28	0530	12.05	5,360
05-05	2400	9.55	2,850	05-07	0600	3.17	58	06-28	0545	11.11	4,310
								06-28	0600	9.90	3,160
05-06	0010	9.61	2,900	06-28	0210	3.21	62	06-28	0615	8.83	2,270
05-06	0020	9.59	2,880	06-28	0215	3.58	101	06-28	0630	7.79	1,570
05-06	0030	9.70	2,980	06-28	0220	7.73	1,540	06-28	0705	6.63	969
05-06	0035	9.74	3,010	06-28	0225	9.52	2,820	06-28	0800	5.78	624
05-06	0040	9.74	3,010	06-28	0230	10.77	3,970	06-28	1000	5.03	395
05-06	0050	9.64	2,930	06-28	0240	11.84	5,110	06-28	1200	4.61	283
05-06	0100	9.40	2,720	06-28	0250	12.46	5,910	06-28	1500	4.19	194
05-06	0110	9.08	2,460	06-28	0300	12.89	6,510	06-28	1900	3.81	132
05-06	0120	8.78	2,230	06-28	0310	13.41	7,300	06-28	2400	3.52	94
05-06	0130	8.45	2,000	06-28	0320	13.51	7,460				
05-06	0155	7.77	1,560	06-28	0330	13.46	7,380	06-29	0800	3.25	66
05-06	0215	7.23	1,270	06-28	0335	13.56	7,530				

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

0357586650 FAGAN CREEK AT ADAMS STREET AT HUNTSVILLE, AL

LOCATION.--Lat 34°43'21", long 86°34'30", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 4 S., R. 1 W., Madison County, Hydrologic Unit 0603002, at bridge on Adams Street, 0.25 mi northwest of Governors Drive and 0.1 mi northwest of California Street.

DRAINAGE AREA.-- 3.44 mi².

PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 615.13 ft above sea level.

REMARKS.--No estimated discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,050 ft³/s, June 28, 1999, gage height, 5.50 ft.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 22	2350	661	3.21	June 03	1350	625	3.17
May 05	2300	916	3.46	June 28	0310	*4,050	*5.50

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	2325	2.35	57	05-05	2245	2.60	133	06-28	0130	2.43	79
01-22	2330	2.41	73	05-05	2250	2.77	200	06-28	0135	2.63	143
01-22	2335	2.58	126	05-05	2255	3.05	527	06-28	0140	2.72	178
01-22	2340	2.97	468	05-05	2300	3.46	916	06-28	0150	3.15	608
01-22	2345	3.17	625	05-05	2305	3.19	643	06-28	0200	3.32	765
01-22	2350	3.21	661	05-05	2310	2.97	468	06-28	0210	3.34	786
01-22	2355	3.07	543	05-05	2315	3.01	497	06-28	0215	3.40	849
01-22	2400	3.05	527	05-05	2320	3.00	490	06-28	0220	4.27	1,970
				05-05	2330	3.11	575	06-28	0225	4.33	2,050
01-23	0005	2.93	441	05-05	2335	3.03	512	06-28	0230	5.14	3,340
01-23	0015	2.83	327	05-05	2340	3.02	505	06-28	0310	5.50	4,050
01-23	0030	2.74	186	05-05	2345	3.09	559	06-28	0315	5.37	3,780
01-23	0040	2.78	216	05-05	2350	3.12	583	06-28	0320	5.03	3,140
01-23	0100	2.74	186	05-05	2355	3.12	583	06-28	0325	4.48	2,260
01-23	0130	2.77	200	05-05	2400	3.07	543	06-28	0330	4.05	1,640
01-23	0140	2.79	232					06-28	0345	3.64	1,120
01-23	0200	2.73	182	05-06	0005	3.08	551	06-28	0355	3.49	951
01-23	0215	2.74	186	05-06	0030	2.82	299	06-28	0405	3.39	838
01-23	0240	2.77	200	05-06	0100	2.74	186	06-28	0415	3.45	905
01-23	0300	2.74	186	05-06	0130	2.75	191	06-28	0425	3.37	817
01-23	0330	2.71	173	05-06	0200	2.59	129	06-28	0445	3.25	697
01-23	0345	2.63	143	05-06	0230	2.48	96	06-28	0500	3.12	583
01-23	0400	2.57	123	05-06	0300	2.50	103	06-28	0530	3.08	551
01-23	0430	2.43	79	05-06	0330	2.49	100	06-28	0600	3.06	535
01-23	0510	2.41	73	05-06	0430	2.46	89	06-28	0630	2.91	428
01-23	0540	2.39	67	05-06	0500	2.40	70	06-28	0730	2.79	232
01-23	0600	2.35	57	05-06	0530	2.36	59	06-28	0830	2.70	169
				05-06	0630	2.33	52	06-28	1000	2.59	129
05-05	2235	2.32	50					06-28	1130	2.50	103
05-05	2240	2.64	146					06-28	1330	2.41	73

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

0357587090 WEST FORK PINHOOK CREEK AT BLUE SPRINGS AT HUNTSVILLE, AL

LOCATION.--Lat 34°47'18", long 86°35'55", in SE¹/₄SW¹/₄ sec. 11, T. 35 S., R. 1 W., Madison County, Hydrologic Unit 0603002, at bridge on Blue Springs Road, 1.7 mi north of Sparkman Drive, and 1.1 mi north of Mastin Lake Road.

DRAINAGE AREA.--2.28 mi².

PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 688.06 ft above sea level.

REMARKS.--No estimated discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 904 ft³/s, Mar. 3, 1997, gage height, 9.18 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 350 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 22	2335	*357	*6.81				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	2325	5.79	163	01-23	0005	6.27	243	01-31	0140	5.28	84
01-22	2330	6.28	245	01-23	0010	6.14	218	01-31	0145	5.32	89
01-22	2335	6.81	357	01-23	0015	6.00	192	01-31	0150	5.32	89
01-22	2340	6.49	288	01-23	0020	5.86	173	01-31	0155	5.33	90
01-22	2345	6.62	316	01-23	0025	5.68	145	01-31	0200	5.32	89
01-22	2350	6.70	333	01-23	0030	5.64	139	01-31	0205	5.31	87
01-22	2355	6.59	310	01-23	0035	5.58	129	01-31	0210	5.28	84
01-22	2400	6.50	290	01-23	0040	5.66	142	01-31	0215	5.27	82
				01-23	0045	5.42	103				
				01-23	0050	5.49	114				
				01-23	0100	5.39	99				
				01-23	0105	5.39	99				
				01-23	0120	5.33	90				
				01-23	0130	5.29	85				

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

0357587140 EAST FORK PINHOOK CREEK AT WINCHESTER ROAD AT HUNTSVILLE, AL

LOCATION.--Lat 34°47'34", long 86°35'21", in SW¹/₄NW¹/₄ sec. 12, T. 35 S., R. 1 E., Madison County, Hydrologic Unit 0603002, on upstream side of culvert on Winchester Road.

DRAINAGE AREA.--2.52 mi².

PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 688.02 ft above sea level.

REMARKS.--No estimated discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 322 ft³/s, Jan. 22, 1999, gage height, 7.91 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 125 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 22	2350	*322	*7.91	May 05	2355	172	7.35

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	2325	6.84	75	01-23	0200	7.47	201	05-05	2335	6.96	90
01-22	2330	7.19	135	01-23	0230	7.44	194	05-05	2340	7.18	132
01-22	2335	7.38	180	01-23	0300	7.38	180	05-05	2345	7.29	157
01-22	2340	7.73	270	01-23	0330	7.25	148	05-05	2350	7.34	169
01-22	2345	7.89	316	01-23	0400	7.14	123	05-05	2355	7.35	172
01-22	2350	7.91	322	01-23	0430	7.04	103	05-05	2400	7.33	167
01-22	2355	7.91	322	01-23	0500	6.98	93				
01-22	2400	7.89	316	01-23	0530	6.92	85	05-06	0005	7.35	172
				01-23	0635	6.84	75	05-06	0015	7.32	164
01-23	0005	7.86	307					05-06	0030	7.31	162
01-23	0010	7.82	296	05-05	2240	6.83	73	05-06	0045	7.24	146
01-23	0015	7.77	281	05-05	2245	6.95	89	05-06	0100	7.18	132
01-23	0020	7.71	264	05-05	2250	6.97	92	05-06	0115	7.12	119
01-23	0025	7.65	248	05-05	2255	6.90	82	05-06	0130	7.08	111
01-23	0030	7.67	253	05-05	2300	6.90	82	05-06	0145	7.03	101
01-23	0045	7.66	250	05-05	2305	6.91	83	05-06	0200	7.00	96
01-23	0055	7.64	245	05-05	2310	7.03	101	05-06	0215	6.97	92
01-23	0100	7.61	238	05-05	2315	7.02	99	05-06	0230	6.96	90
01-23	0115	7.56	224	05-05	2320	6.99	95	05-06	0300	6.95	86
01-23	0130	7.49	206	05-05	2330	6.97	92	05-06	0445	6.87	78
								05-06	0520	6.83	73

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

0357587400 PINHOOK CREEK AT MASTIN LAKE ROAD AT HUNTSVILLE, AL

LOCATION.--Lat 34°46'17", long 86°35'32", in SW¹/₄SE¹/₄ sec. 14, T. 3 S., R. 1 W., Madison County, Hydrologic Unit 0603002, at bridge on Mastin Lake Road, 0.45 mi west of Highway 231, and 0.5 mi east of Blue Spring Road.

DRAINAGE AREA.--8.50 mi².

PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 646.06 ft above sea level.

REMARKS.--No estimated discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,940 ft³/s, March 3, 1997, gage height, 8.89 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 22	2400	*1,390	*8.02	May 05	2310	677	6.36

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	2320	4.04	120	01-23	0220	5.53	417	05-05	2330	6.23	633
01-22	2325	4.41	172	01-23	0225	5.52	414	05-05	2335	6.17	613
01-22	2330	4.66	217	01-23	0230	5.46	398	05-05	2340	6.14	604
01-22	2335	5.57	428	01-23	0240	5.49	406	05-05	2345	6.06	578
01-22	2340	6.49	723	01-23	0300	5.28	353	05-05	2355	5.96	547
01-22	2345	7.24	1,020	01-23	0315	5.13	318	05-05	2400	6.02	566
01-22	2350	7.60	1,170	01-23	0345	4.85	256				
01-22	2355	7.95	1,330	01-23	0415	4.60	205	05-06	0005	6.06	578
01-22	2400	8.09	1,390	01-23	0445	4.43	176	05-06	0010	6.04	572
				01-23	0600	4.14	133	05-06	0020	5.91	530
01-23	0005	8.07	1,380	01-23	0635	4.05	121	05-06	0035	5.58	431
01-23	0010	7.83	1,270					05-06	0045	5.38	378
01-23	0015	7.58	1,160	05-05	2235	3.88	93	05-06	0100	5.13	318
01-23	0020	7.31	1,050	05-05	2240	4.18	138	05-06	0115	4.91	269
01-23	0030	6.85	862	05-05	2245	4.23	145	05-06	0130	4.74	232
01-23	0040	6.49	723	05-05	2250	4.55	196	05-06	0200	4.48	184
01-23	0050	6.32	663	05-05	2255	5.28	353	05-06	0230	4.30	155
01-23	0100	6.13	600	05-05	2300	5.98	553	05-06	0300	4.24	146
01-23	0110	6.00	560	05-05	2305	6.33	667	05-06	0330	4.23	145
01-23	0120	5.84	508	05-05	2310	6.36	677	05-06	0430	4.12	130
01-23	0135	5.69	462	05-05	2315	6.35	674	05-06	0530	3.96	107
01-23	0150	5.57	428	05-05	2320	6.34	670	05-06	0615	3.88	93
01-23	0215	5.48	404	05-05	2325	6.29	653				

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

03575950 HUNTSVILLE SPRING BRANCH NEAR HUNTSVILLE, AL

LOCATION.--Lat 34°41'24", long 86°35'47", in SE¹/₄ sec. 14, T. 4 S., R. 1 W., Madison County, Hydrologic Unit 06030002, on upstream right end of bridge on Johnson Road, 2.3 mi southeast of West Station Post Office in Huntsville, and at mile 12.2.

DRAINAGE AREA.--41.8 mi².

PERIOD OF RECORD.--January 1967 to September 1968 (TVA), March 1971 to September 1974 (flood hydrograph only), September 1984 to current year (flood hydrograph only). Flood hydrograph record published from October 1991.

GAGE.--Water-stage recorder. Datum of gage is 565.34 ft above sea level. Datum of gage prior to September 1984, 573.03 ft.

REMARKS.--No estimated discharges. Records fair. Extensive ongoing channel work occurred prior to October 1991, causing rating instability, therefore, only peaks subsequent to October 1991 are published.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,300 ft³/s, June 28, 1999; gage height, 17.62 ft (present datum).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 16, 1973 reached a stage of 12.50 ft (former datum), discharge, 11,000 ft³/s. This occurred prior to extensive channel work.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 23	0040	5,620	13.68	June 28	0305	*13,300	*17.62
May 05	2400	5,670	13.71				

REVISIONS.--Peak discharges and peaks above base discharges of 2,500 ft³/s are revised for the 1992-98 water years as given below. Annual peaks are noted with *.

Date	Gage height (ft)	Discharge (ft ³ /s)	Date	Gage height (ft)	Discharge (ft ³ /s)
Dec. 02, 1991	*11.35	*2,740	Apr. 20, 1996	*13.51	*5,380
Mar. 23, 1993	*11.96	*3,390	Oct. 03, 1995	12.73	4,320
May 03, 1993	11.53	2,920	Oct. 05, 1995	12.00	3,430
Feb. 11, 1994	*12.74	*4,330	July 31, 1996	11.54	2,930
Feb. 10, 1994	11.36	2,750	Sep. 25, 1997	*11.93	*3,350
Apr. 21, 1995	*11.47	*2,860	May 07, 1998	*13.72	*5,680
Feb. 16, 1995	11.33	2,720	Oct. 26, 1997	12.21	3,680
			Jan. 07, 1998	11.97	3,400

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	2350	8.47	652	01-23	0245	10.77	2,190	05-06	0005	13.62	5,530
01-22	2355	9.42	1,180	01-23	0300	10.59	2,040	05-06	0010	13.47	5,310
01-22	2400	10.46	1,930	01-23	0315	10.42	1,890	05-06	0015	13.34	5,120
				01-23	0330	10.29	1,790	05-06	0020	13.25	5,000
01-23	0005	11.42	2,780	01-23	0345	10.08	1,620	05-06	0025	13.15	4,860
01-23	0010	12.15	3,580	01-23	0400	9.94	1,520	05-06	0035	12.92	4,550
01-23	0015	12.83	4,430	01-23	0430	9.49	1,220	05-06	0040	12.74	4,320
01-23	0020	13.07	4,750	01-23	0500	9.13	1,020	05-06	0045	12.50	4,020
01-23	0025	13.42	5,240	01-23	0530	8.81	825	05-06	0055	12.29	3,760
01-23	0030	13.59	5,490	01-23	0600	8.60	714	05-06	0105	12.05	3,460
01-23	0035	13.58	5,470	01-23	0630	8.42	630	05-06	0115	11.78	3,160
01-23	0040	13.68	5,620					05-06	0125	11.54	2,900
01-23	0045	13.58	5,470	05-05	2310	8.22	546	05-06	0135	11.25	2,610
01-23	0050	13.33	5,110	05-05	2315	9.65	1,320	05-06	0145	10.89	2,290
01-23	0055	13.16	4,870	05-05	2320	10.66	2,100	05-06	0200	10.48	1,950
01-23	0105	13.00	4,650	05-05	2325	11.54	2,900	05-06	0215	10.15	1,670
01-23	0110	12.75	4,330	05-05	2330	12.36	3,840	05-06	0245	9.70	1,350
01-23	0120	12.42	3,920	05-05	2335	12.94	4,580	05-06	0330	9.28	1,100
01-23	0130	12.25	3,710	05-05	2340	13.23	4,970	05-06	0430	9.05	968
01-23	0140	11.94	3,340	05-05	2345	13.52	5,380	05-06	0530	8.68	755
01-23	0155	11.63	2,990	05-05	2350	13.62	5,530	05-06	0700	8.22	546
01-23	0215	11.21	2,580	05-05	2355	13.70	5,660				
01-23	0230	10.92	2,310	05-05	2400	13.71	5,670				

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

03575950 HUNTSVILLE SPRING BRANCH NEAR HUNTSVILLE, AL--Continued

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
06-28	0145	10.10	1,640	06-28	0240	17.25	12,500	06-28	0330	16.55	11,000
06-28	0150	11.38	2,740	06-28	0245	17.38	12,800	06-28	0335	16.34	10,600
06-28	0155	12.34	3,820	06-28	0250	17.43	12,900	06-28	0340	16.06	9,960
06-28	0200	13.18	4,900	06-28	0255	17.54	13,100	06-28	0350	15.29	8,390
06-28	0205	14.14	6,350	06-28	0300	17.52	13,100	06-28	0405	14.30	6,610
06-28	0210	14.90	7,660	06-28	0305	17.62	13,300	06-28	0415	13.64	5,560
06-28	0215	15.62	9,040	06-28	0310	17.51	13,100	06-28	0430	12.89	4,510
06-28	0220	16.06	9,960	06-28	0315	17.42	12,900	06-28	0445	12.15	3,580
06-28	0225	16.48	10,900	06-28	0320	17.11	12,300	06-28	0510	11.13	2,500
06-28	0230	16.74	11,400	06-28	0325	16.96	12,000	06-28	0545	10.16	1,680
06-28	0235	17.05	12,100								

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

03575980 MCDONALD CREEK NEAR HUNTSVILLE, AL

LOCATION.--Lat 34°41'33", long 86°37'39", in SW¹/₄NW¹/₄ sec. 15, T. 4 S., R. 1 W., Madison County, Hydrologic Unit 06030002, at bridge on Patton Road, 0.6 mi south of Goss Road, 0.6 mi from Arsenal Gate no. 10, and 3.1 mi south of intersection of Highway 72 Alternate and Alabama Highway 20.

DRAINAGE AREA.--9.64 mi² (revised).

PERIOD OF RECORD.--September 1984 to current year (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 579.34 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, Flood of June 28, 1999, 4,560 ft³/s, gage height, 14.21 ft.

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)
Jan. 23	0110	1,800	7.90	June 28	0345	*4,560	*14.21
May 06	0030	1,640	7.54				

REVISIONS.--Peak discharges and peaks above base discharges are revised for the 1985-98 water years as given below. Annual peaks are noted with *.

Date	Gage height (ft)	Discharge (ft ³ /s)	Date	Gage height (ft)	Discharge (ft ³ /s)
Aug. 16, 1985	*6.45	*1,200	Feb. 10, 1994	7.73	1,720
June 29, 1986	*6.65	*1,280	Feb. 11, 1994	8.01	1,850
June 24, 1987	*8.53	*2,080	June 26, 1994	8.82	1,970
Jan. 19, 1988	*9.63	*2,610	June 29, 1994	*8.74	*2,180
June 08, 1989	*7.24	*1,520	Feb. 16, 1995	*7.20	*1,500
Oct. 01, 1989	*7.88	*1,790	Oct. 03, 1995	7.31	1,550
Feb. 03, 1990	7.23	1,520	Oct. 05, 1995	7.22	1,510
Dec. 22, 1990	*8.27	*1,960	Apr. 20, 1996	*8.15	*1,910
Dec. 02, 1991	*7.80	*1,760	Sep. 25, 1997	*6.60	*1,260
Dec. 02, 1991	7.79	1,750	Oct. 26, 1997	7.37	1,570
Mar. 23, 1993	*8.38	*2,010	May 07, 1998	*11.59	*3,530
June 25, 1993	8.01	1,850			
Aug. 13, 1993	7.71	1,720			

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	2315	2.37	<50	05-05	2315	4.05	430	06-28	0115	2.41	<50
01-22	2335	3.42	250	05-05	2320	5.02	712	06-28	0130	3.10	<200
01-22	2340	3.97	410	05-05	2325	5.75	954	06-28	0135	3.89	380
01-22	2345	4.91	677	05-05	2330	6.22	1,120	06-28	0140	5.03	715
01-22	2350	5.60	902	05-05	2335	6.62	1,270	06-28	0145	6.09	1,070
01-22	2400	6.45	1,210	05-05	2340	6.76	1,320	06-28	0150	6.87	1,370
				05-05	2350	7.02	1,430	06-28	0200	8.00	1,840
				05-05	2400	7.15	1,480	06-28	0215	8.83	2,220
01-23	0010	7.09	1,460					06-28	0230	9.88	2,730
01-23	0020	7.26	1,530					06-28	0245	10.76	3,160
01-23	0030	7.54	1,640	05-06	0010	7.47	1,610	06-28	0300	12.46	3,920
01-23	0050	7.76	1,740	05-06	0020	7.53	1,640	06-28	0315	13.45	4,280
01-23	0100	7.78	1,750	05-06	0030	7.54	1,640	06-28	0330	13.36	4,250
01-23	0110	7.90	1,800	05-06	0040	7.36	1,570	06-28	0345	14.21	4,560
01-23	0120	7.58	1,660	05-06	0050	7.22	1,510	06-28	0400	12.94	4,100
01-23	0130	7.37	1,570	05-06	0100	6.88	1,370	06-28	0415	12.83	4,050
01-23	0145	6.71	1,300	05-06	0115	6.45	1,210	06-28	0430	11.91	3,670
01-23	0200	6.43	1,200	05-06	0130	5.92	1,010	06-28	0445	11/32	3,400
01-23	0230	6.06	1,060	05-06	0145	5.59	899	06-28	0500	10.05	2,820
01-23	0300	5.81	975	05-06	0200	5.23	780	06-28	0530	7.82	1,760
01-23	0400	4.81	647	05-06	0230	4.60	585	06-28	0600	5.92	1,010
01-23	0500	3.89	386	05-06	0300	4.18	464	06-28	0630	5.25	787
01-23	0600	3.46	260	05-06	0400	3.88	383	06-28	0700	4.61	588
				05-06	0500	3.51	273	06-28	0800	3.82	363
05-05	2250	2.27	<50	05-06	0540	3.21	202				
05-05	2310	3.41	248								

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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 1999

Station name and number	Location and drainage area	Period of record	Water year 1999 maximum		Period of record maximum			
			Date	Gage height (feet)	Date	Gage height (feet)	Discharge (ft ³ /s)	
CHOCTAWHATCHEE RIVER BASIN								
Pea River tributary near Roeton 02363005	Lat 31°35'45", long 85°48'36", in SE ¹ / ₄ sec. 11, T. 7 N., R. 22 E., Coffee County, Hydrologic Unit 03140202, at culvert on county road, 1 mi west of U.S. Highway 231, 1.3 mi east of Roeton, and 2 mi upstream of mouth. Drainage area is 0.76 mi ² .	1990-99	05-07-99	6.23	137	07-06-94	9.12	390
MOBILE RIVER BASIN								
Norrell Branch near Dadeville 02416481	Lat 32°46'20", long 85°46'13", in SE ¹ / ₄ sec. 29, T. 21 N., R. 23 E., Tallapoosa County, Hydrologic Unit 03150109, at culvert at county road, 1 mi east of State Highway 49, and 4 mi south of Dadeville. Drainage area 0.50 mi ² .	1990-99	01-23-99	4.06	19	03-16-90	8.68	335
Pintlalla Creek tributary near Sellers 02421105	Lat 32°04'38", long 86°21'18", in NW ¹ / ₄ sec. 27, T. 13 N., R. 17 E., Montgomery County, Hydrologic Unit 03150201, at culvert at county road, 2 mi south of Fleta, and 4 mi northwest of Sellers. Drainage area is 0.45 mi ² .	1991-99	05-07-99	8.14	130	06-27-94	10.35	500
Kincaide Creek tributary near Ethelsville 02443730	Lat 33°24'14", long 88°10'54", in SW ¹ / ₄ sec. 14, T. 19 S., R. 16 W., Pickens County, Hydrologic Unit 03160106, on left bank on U.S. Highway 82, 2.3 mi southeast of Ethelsville. Drainage area is 0.24 mi ² .	1991-99	01-23-99	3.40	46	01-07-98	4.85	163
Harris Creek near Campbell 02469795	Lat 31°53'53", long 88°00'44", in NE ¹ / ₄ sec. 30, T. 11 N., R. 1 E., Clarke County, Hydrologic Unit 03160203, at culvert on State Highway 69, 2.7 mi southwest of Campbell. Drainage area is 0.72 mi ² .	1995-99	06-12-99	5.14	260	08-31-96	7.22	490
Mobile River at Bucks 02470630	Lat 30°00'10", long 88°01'40", in NW ¹ / ₄ sec. 31, T. 1 N., R. 1 E., Mobile County, Hydrologic Unit 03160204, on right bank at Barry Steam Plant, 0.4 mi east of Bucks, and at mile 30.5. (Datum of gage is 1.91 feet below sea level). Drainage area is approximately 43,000 mi ² .	1951, 1953-99	02-07-99	13.12	e338,000	03-06-61	18.19	e539,000
TENNESSEE RIVER BASIN								
Martin Hollow near Huntsville 0357568820	Lat 34°41'07", long 86°32'43" in SW ¹ / ₄ SE ¹ / ₄ sec. 17, T. 4 S., R. 1 E., Madison County, Hydrologic Unit 06030002, at bridge on farm road, 4.0 mi southeast of Huntsville, and 1,200 ft above mouth. (Datum of gage is 626.54 feet above sea level.) Drainage area is 1.14 mi ² .	1997-99	06-28-99	19.00	2,050	06-28-99	19.00	2,050

e Estimated

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

0357587728 DALLAS BRANCH AT HUNTSVILLE, AL

LOCATION.--Lat 34°44'44", long 86°34'27", in NW¹/₄ sec. 25, T. 35 S., R. 1 W., Madison County, Hydrologic Unit 06030002, at culvert on Coleman Street, two blocks upstream from Andrew Jackson Way, 2 mi north of Governor's Drive.

DRAINAGE AREA.--2.99 mi² (revised).

PERIOD OF RECORD.--September 1984 to current year (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 639.64 ft above sea level.

REMARKS.--No estimated discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,150 ft³/s, Feb. 11, 1994, gage height, 5.20 ft.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 22	2350	718	3.81	Jun 03	1350	591	3.35
May 05	2305	*797	*4.08				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	2330	1.67	206	01-23	0400	1.91	252	05-06	0100	2.18	308
01-22	2335	2.37	349	01-23	0430	1.77	225	05-06	0115	2.07	284
01-22	2340	2.81	452	01-23	0500	1.65	202	05-06	0135	1.92	254
01-22	2345	3.41	607	01-23	0600	1.52	179	05-06	0200	1.79	228
01-22	2350	3.81	718	01-23	0700	1.38	154	05-06	0300	1.63	198
01-22	2355	3.81	718	01-23	0900	1.20	122	05-06	0400	1.58	189
01-22	2400	3.64	670	01-23	1000	1.14	107	05-06	0500	1.38	154
								05-06	0600	1.25	131
01-23	0010	3.59	602	05-05	2245	1.93	256	05-06	0700	1.16	112
01-23	0015	3.39	549	05-05	2250	2.80	450				
01-23	0020	3.07	518	05-05	2255	3.55	645	06-03	1210	1.08	93
01-23	0025	2.94	485	05-05	2300	3.95	759	06-03	1215	1.22	126
01-23	0030	2.76	440	05-05	2305	4.08	797	06-03	1220	1.51	177
01-23	0040	2.51	381	05-05	2310	4.07	794	06-03	1225	1.41	159
01-23	0050	2.45	367	05-05	2315	4.06	791	06-03	1230	1.21	124
01-23	0100	2.61	404	05-05	2320	3.92	750	06-03	1235	1.05	87
01-23	0110	2.53	386	05-05	2325	3.73	696	06-03	1340	1.95	260
01-23	0120	2.40	356	05-05	2330	3.39	602	06-03	1345	3.18	546
01-23	0125	2.48	374	05-05	2335	3.08	520	06-03	1350	3.35	591
01-23	0135	2.37	349	05-05	2340	2.81	452	06-03	1355	3.10	525
01-23	0145	2.43	363	05-05	2345	2.76	440	06-03	1400	2.61	404
01-23	0155	2.38	352	05-05	2350	2.87	467	06-03	1405	2.26	325
01-23	0210	2.33	340	05-05	2400	2.77	443	06-03	1410	1.98	266
01-23	0215	2.40	356					06-03	1415	1.78	227
01-23	0235	2.34	343	05-06	0010	2.75	438	06-03	1420	1.60	197
01-23	0240	2.29	332	05-06	0015	2.59	400	06-03	1425	1.46	168
01-23	0245	2.34	343	05-06	0025	2.44	365	06-03	1430	1.33	145
01-23	0305	2.25	323	05-06	0035	2.38	352	06-03	1435	1.21	124
01-23	0330	2.30	291	05-06	0045	2.29	332	06-03	1440	1.14	107
								06-03	1445	1.07	91

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

03575890 PINHOOK CREEK AT HUNTSVILLE, AL

LOCATION.--Lat 34°43'39", long 86°35'36", in SW¹/₄ sec. 35, T. 3 S., R. 1 W., Madison County, Hydrologic Unit 06030002, at bridge on Clinton Avenue, 0.2 mi northeast from intersection of Clinton Avenue and Memorial Parkway, 0.5 mi southwest of main post office and at mile 14.9.

DRAINAGE AREA.--22.6 mi² (revised).

PERIOD OF RECORD.--January 1967 to September 1968 (TVA), March 1971 to May 1973, October 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 592.60 ft above sea level. For periods January 1967 to September 1968 and March 1971 to May 1973, datum of gage was 577.30 ft above sea level.

REMARKS.--No estimated discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, flood of March 16, 1973, 9,400 ft³/s, 16.48 ft (present datum).

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

Date	Time	Discharge (ft/s)	Gage height (ft)	Date	Time	Discharge (ft/s)	Gage height (ft)
Jan. 23	0025	*4,880	*11.43	May 05	2335	4,520	10.96
				Jun 28	0255	4,040	10.40

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	2335	4.42	248	05-05	2255	4.73	372	06-28	0150	4.00	105
01-22	2340	5.30	605	05-05	2300	5.69	784	06-28	0155	4.61	327
01-22	2345	6.24	1,070	05-05	2305	6.64	1,280	06-28	0200	5.72	799
01-22	2350	7.25	1,660	05-05	2310	7.88	2,120	06-28	0205	6.62	1,270
01-22	2355	8.40	2,490	05-05	2315	9.23	3,130	06-28	0210	7.24	1,650
01-22	2400	9.42	3,270	05-05	2320	10.17	3,850	06-28	0215	7.61	1,910
				05-05	2325	10.63	4,240	06-28	0220	7.99	2,200
01-23	0005	10.23	3,900	05-05	2330	10.84	4,420	06-28	0225	8.38	2,480
01-23	0010	10.84	4,420	05-05	2335	10.96	4,520	06-28	0230	8.84	2,830
01-23	0015	11.19	4,700	05-05	2340	10.93	4,500	06-28	0235	9.34	3,210
01-23	0020	11.36	4,830	05-05	2345	10.91	4,480	06-28	0240	9.73	3,500
01-23	0025	11.43	4,880	05-05	2350	10.75	4,340	06-28	0245	10.12	3,810
01-23	0030	11.39	4,850	05-05	2355	10.58	4,190	06-28	0250	10.35	4,000
01-23	0035	11.28	4,770	05-05	2400	10.41	4,050	06-28	0255	10.40	4,040
01-23	0040	11.04	4,590					06-28	0300	10.34	3,990
01-23	0045	10.78	4,370	05-06	0005	10.21	3,880	06-28	0305	10.13	3,820
01-23	0050	10.51	4,130	05-06	0010	10.05	3,750	06-28	0310	9.75	3,520
01-23	0055	10.23	3,900	05-06	0015	9.85	3,590	06-28	0315	9.27	3,150
01-23	0100	9.95	3,670	05-06	0025	9.46	3,300	06-28	0320	8.68	2,710
01-23	0105	9.70	3,480	05-06	0035	9.10	3,030	06-28	0325	8.12	2,290
01-23	0115	9.25	3,140	05-06	0045	8.75	2,760	06-28	0330	7.48	1,820
01-23	0125	8.84	2,830	05-06	0055	8.43	2,520	06-28	0335	6.87	1,420
01-23	0135	8.46	2,540	05-06	0105	8.07	2,260	06-28	0340	6.28	1,090
01-23	0145	8.19	2,340	05-06	0115	7.74	2,010	06-28	0345	5.78	829
01-23	0200	7.90	2,130	05-06	0125	7.45	1,800	06-28	0350	5.36	631
01-23	0215	7.73	2,000	05-06	0135	7.20	1,630	06-28	0355	5.05	508
01-23	0230	7.55	1,810	05-06	0145	6.94	1,460	06-28	0400	4.79	396
01-23	0300	7.35	1,730	05-06	0200	6.61	1,270	06-28	0410	4.52	296
01-23	0330	6.93	1,460	05-06	0215	6.34	1,120	06-28	0425	4.35	216
01-23	0400	6.43	1,170	05-06	0230	6.13	1,010	06-28	0450	4.22	167
01-23	0430	5.87	877	05-06	0300	5.79	835	06-28	0515	4.12	135
01-23	0500	5.48	684	05-06	0330	5.62	749	06-28	0610	4.00	105
01-23	0530	5.20	565	05-06	0400	5.58	730				
01-23	0600	4.98	480	05-06	0500	5.16	549				
01-23	0700	4.67	349	05-06	0600	4.75	380				
01-23	0815	4.41	244								

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

0357591500 BROGLAN BRANCH AT OAKWOOD AVENUE AT HUNTSVILLE, AL

LOCATION.--Lat 34°44'58", long 86°37'31", in NW¹/₄SW¹/₄ sec. 27, T. 3 S., R. 1 W., Madison County, Hydrologic Unit 0603002, at bridge on Oakland Avenue, 0.6 mi east of Jordan Lane, and 1.0 mi north of University Drive.

DRAINAGE AREA.--1.47 mi².

PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 652.54 ft above sea level.

REMARKS.--No estimated discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,310 ft³/s, Oct. 25, 1997, gage height, 12.90 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 07	1335	375	8.92	May 05	2300	487	9.36
Jan. 22	2345	*752	*10.47	Jun. 28	0155	449	9.23
Feb. 27	1920	400	9.00	Jul. 20	1650	340	8.80

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	2320	8.12	185	05-05	2240	8.85	354	06-28	0145	7.55	90
01-22	2325	8.67	307	05-05	2245	9.09	418	06-28	0150	8.81	343
01-22	2330	9.24	451	05-05	2250	9.20	440	06-28	0155	9.23	449
01-22	2335	9.49	522	05-05	2255	8.97	390	06-28	0200	8.89	366
01-22	2340	10.00	650	05-05	2300	9.36	487	06-28	0205	8.64	299
01-22	2345	10.47	752	05-05	2305	9.21	443	06-28	0210	8.36	231
01-22	2350	10.43	743	05-05	2310	9.35	484	06-28	0215	8.08	178
01-22	2355	10.37	730	05-05	2315	9.12	424	06-28	0220	7.85	138
01-22	2400	9.99	647	05-05	2320	8.85	354	06-28	0225	7.75	121
				05-05	2325	8.72	319	06-28	0230	7.75	121
01-23	0005	9.83	607	05-05	2330	8.40	240	06-28	0235	7.82	133
01-23	0010	9.26	457	05-05	2335	8.23	206	06-28	0240	8.06	175
01-23	0015	8.76	329	05-05	2340	7.89	145	06-28	0245	7.95	156
01-23	0030	8.66	304	05-05	2345	7.95	156	06-28	0250	7.90	147
01-23	0025	8.12	185	05-05	2350	8.01	167	06-28	0255	7.59	95
				05-05	2355	7.89	163	06-28	0300	7.51	86
				05-05	2400	7.88	143				

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

03575933 BROGLAN BRANCH AT HUNTSVILLE, AL

LOCATION.--Lat 34°43'24", long 86°36'06", in SW¹/₄NW¹/₄ sec. 2, T. 4 S., R. 1 W., Madison County, Hydrologic Unit 06030002, on upstream side of bridge on Clinton Avenue at Huntsville, and at mile 15.1.

DRAINAGE AREA.--8.93 mi² (revised).

PERIOD OF RECORD.--September 1984 to current year (flood hydrograph only). Records are published for October 1991 to current year. Data prior to these dates are affected by indefinite stage versus discharge relationship.

REVISED RECORD.--WDR AL-93-1: 1992 (P).

GAGE.--Water-stage recorder. Datum of gage is 596.02 ft above sea level.

REMARKS.--No estimated discharges. Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,120 ft³/s, June 28, 1999, gage height, 10.15 ft.

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)
Jan. 23	0005	2,060	8.24	June 28	0230	*4,120	*10.15
May 05	2325	1,610	7.50				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	2315	4.31	54	05-05	2235	4.22	33	05-06	1410	4.29	48
01-22	2320	4.56	144	05-05	2240	4.57	148	05-06	1605	4.26	41
01-22	2325	4.77	232	05-05	2245	4.65	184				
01-22	2330	5.20	433	05-05	2250	4.77	232	06-28	0110	4.23	35
01-22	2335	5.81	732	05-05	2255	5.22	441	06-28	0115	4.79	240
01-22	2340	6.60	1,130	05-05	2300	5.64	643	06-28	0125	5.06	366
01-22	2345	7.42	1,570	05-05	2305	6.49	1,070	06-28	0135	5.71	679
01-22	2350	7.91	1,850	05-05	2310	7.05	1,360	06-28	0145	7.48	1,600
01-22	2355	8.12	1,980	05-05	2315	7.34	1,520	06-28	0155	8.83	2,530
01-22	2400	8.09	1,960	05-05	2320	7.49	1,600	06-28	0205	9.20	2,880
				05-05	2325	7.50	1,610	06-28	0215	9.78	3,540
01-23	0005	8.24	2,060	05-05	2330	7.44	1,580	06-28	0220	9.90	3,710
01-23	0010	8.10	1,970	05-05	2335	7.38	1,540	06-28	0225	10.06	3,960
01-23	0015	8.19	2,030	05-05	2340	7.45	1,580	06-28	0230	10.15	4,120
01-23	0020	7.86	1,820	05-05	2345	7.26	1,480	06-28	0235	9.84	3,620
01-23	0025	7.74	1,750	05-05	2350	7.14	1,410	06-28	0240	9.64	3,350
01-23	0030	7.46	1,590	05-05	2355	7.05	1,360	06-28	0250	9.52	3,210
01-23	0035	7.20	1,440	05-05	2400	6.91	1,280	06-28	0300	8.84	2,540
01-23	0040	7.04	1,350					06-28	0310	8.10	1,970
01-23	0045	6.77	1,210	05-06	0005	6.83	1,240	06-28	0320	7.45	1,580
01-23	0100	6.41	1,040	05-06	0015	6.67	1,160	06-28	0330	7.12	1,400
01-23	0130	6.14	901	05-06	0025	6.59	1,120	06-28	0340	6.75	1,200
01-23	0200	6.02	842	05-06	0035	6.44	1,050	06-28	0355	6.19	926
01-23	0300	5.86	760	05-06	0050	6.12	891	06-28	0420	5.63	638
01-23	0400	5.31	481	05-06	0110	5.85	754	06-28	0435	5.33	491
01-23	0500	5.00	334	05-06	0140	5.56	605	06-28	0545	4.95	309
01-23	0700	4.77	232	05-06	0210	5.37	509	06-28	0700	4.70	207
01-23	0900	4.63	175	05-06	0310	5.12	400	06-28	0920	4.46	109
01-23	1000	4.58	152	05-06	0440	4.93	300	06-28	1150	4.36	70
01-23	1200	4.50	122	05-06	0615	4.68	200	06-28	1400	4.31	54
01-23	1400	4.44	103	05-06	0935	4.43	100	06-28	1600	4.28	46
01-23	1600	4.39	81	05-06	1225	4.33	60				

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1999

Stream	Tributary to	Location	Drainage area (mi ²)	Measurement period of record (water year)	Date	Discharge (ft ³ /s)
Mobile River Basin						
02401376 Little Canoe Creek	Big Canoe Creek	Lat 33°46'01", long 86°27'27", in SW ¹ / ₄ sec. 32, T. 14 S., R. 2 E., St. Clair County, Hydrologic Unit 03150106, at road just upstream of State Highway 174, 1 mi east of Springville.	11.5	1999	05-03-99 05-06-99 09-24-99	10 52 5.2
02405200 Coosa River	Alabama River	Lat 32°24'33", long 86°20'17", in NW ¹ / ₄ sec. 33, T. 18 S., R. 3 E., St. Clair County, Hydrologic Unit 03150107, below Logan Martin Dam, 10 mi north of Childersburg.	7,743	1964-99	10-20-98 10-20-98 05-18-99 05-18-99	710 638 720 738
02406947 Tallasseehatchee Creek	Coosa River	Lat 33°16'13", long 86°16'30", in SW ¹ / ₄ sec. 19, T. 20 S., R. 4 E., Talladega County, Hydrologic Unit 03150107, at bridge on county highway, 4 mi east of Childersburg.	124	1980, 1984-85, 1987-99	03-19-99 06-22-99	161 34
02408004 Yellow Leaf Creek	Coosa River	Lat 32°55'08", long 86°41'41", in NW ¹ / ₄ sec. 5, T. 22 N., R. 14 E., Chilton County, Hydrologic Unit 03150107, just above sewage outfall, 0.5 mi downstream from Collins Chapel Road, 1 mi east of Thorsby.	13.1	1997-99	03-22-99 06-22-99	18 1.7
02408425 Unnamed tributary	Baker Creek	Lat 33°02'29", long 86°03'01", in SE ¹ / ₄ sec. 27, T. 24 N., R. 20 E., Coosa County, Hydrologic Unit 03150107, at county road, 0.3 mi east of U.S. Highway 231, 1.4 mi south of Goodwater	5.70	1997-99	03-19-99 06-21-99	6.1 2.4
02416035 Sugar Creek	Elkahatchee Creek	Lat 32°54'41", long 85°57'13", in NW ¹ / ₄ sec. 10, T. 22 N., R. 21 E., Tallapoosa County, Hydrologic Unit 03150109, at bridge on State Highway 63 at southern city limits of Alexander City, 0.8 mi from intersection of U.S. Highway 280 and State Highway 63.	1.93	1949, 1980, 1984-85, 1987-99	03-19-99 06-21-99 07-22-99	11 12 14
02418179 Sougahatchee Creek	Uphapee Creek	Lat 32°39'37", long 86°27'06", in SW ¹ / ₄ sec. 4, T. 19 N., R. 26 E., Lee County, Hydrologic Unit 03150110, at bridge on County Highway 35, 3 mi northwest of Opelika.	32.5	1978, 1980, 1984-85, 1987-99	03-19-99 06-21-99 07-22-99 09-24-99	33 16 39 10
02423515 Patton Creek	Cahaba River	Lat 33°23'20", long 86°49'38", in NW ¹ / ₄ sec. 14, T. 19 S., R. 3 W., Jefferson County, Hydrologic Unit 03150202, 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, 1986-95, 1997-99	12-16-98 06-16-99	8.6 14
02423550 Buck Creek	Cahaba River	Lat 33°17'30", long 86°50'36", in NW ¹ / ₄ sec. 15, T. 20 S. R. 3 W., Shelby County, Hydrologic Unit 03150202, on State Highway 261 at Helena, 350 ft north of Louisville and Nashville Railroad.	69.9	1984-95, 1998-99	12-16-98 06-18-99	36 31
02423601 Shades Creek	Alabama River	Lat 33°21'21", long 86°53'24", in NE ¹ / ₄ sec. 30, T. 19 S., R. 3 W., Jefferson County, Hydrologic Unit 03150202, at bridge on county road, 0.8 mi southwest of Parkwood.	44.1	1953, 1955-56, 1961-71†, 1984-95, 1998-99	12-16-98 06-16-99	21 96
02427020 Bogue Chitto Creek	Alabama River	Lat 32°16'37", long 87°16'53", in NW ¹ / ₄ sec. 16, T. 15 N., R. 8 E., Dallas County, Hydrologic Unit 03150203, at County Road 115, 3 mi southwest of Orrville, and 1.2 mi downstream of Bear Creek.	329	1995-99	03-08-99 06-23-99 07-21-99	225 71 43

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1999

Stream	Tributary to	Location	Drainage area (mi ²)	Measurement period of record (water year)	Date	Discharge (ft ³ /s)
Mobile River Basin (continued)						
02460000 Village Creek	Locust Fork	Lat 33°33'58", long 87°00'09", in NW ¹ / ₄ sec. 18, T. 17 S., R. 4 W., Jefferson County, Hydrologic Unit 03160111, on Shady Grove Road, 1.6 mi north of Booker Heights Subdivision, 1.8 mi northwest of Mulga, and 2.8 mi north of Highway 269.	77.9	1973-74, 1983-84, 1986-95, 1998-99	12-17-98	76
02461700 Valley Creek	Black Warrior River	Lat 33°23'50", long 87°03'33", in SE ¹ / ₄ sec. 16, T. 19 S., R. 5 W., Jefferson County, Hydrologic Unit 03160111, at bridge on County Highway 36, and 2.5 mi northeast of Johns.	93.0	1973, 1980, 1984-95, 1998-99	12-16--98 06-16-99	119 174
02463800 Cedar Creek	North River	Lat 33°38'49", long 87°35'45", in NW ¹ / ₄ sec. 21, T. 16 S., R. 10 W., Fayette County, Hydrologic Unit 03160112, at bridge near Pilgrim Chapel, 0.6 mi south of Berry.	13.7	1997-99	10-29-98 12-16-98 02-25-99 04-15-99 05-24-99 07-13-99 08-24-99	0 5.9 9.7 21 1.4 2.2 0
Pascagoula River Basin						
02479948 Juniper Creek	Big Creek	Lat 30°49'17", long 88°18'53", in NE ¹ / ₄ sec. 6, T. 3 S., R. 3 W., Mobile County, Hydrologic Unit 03170008, at Glenwood Road, 2.0 mi north of U.S. Highway 98, 2.8 mi north of Fairview.	9.22	1990-92†, 1993-99	12-10-98 02-24-99 05-19-99 08-25-99	19 16 12 17
02479950 Collins Creek	Big Creek	Lat 30°48'40", long 88°18'57", in SE ¹ / ₄ sec. 6, T. 3 S., R. 3 W., Mobile County, Hydrologic Unit 03170008, at Glenwood Road, 1.7 mi northwest of Fairview.	8.54	1990-92†, 1993-99	12-10-98 02-24-99 05-20-99 08-25-99	18 15 12 19
02479955 Long Branch	Big Creek	Lat 30°48'30", long 88°20'12", in SW ¹ / ₄ sec. 1, T. 3 S., R. 4 W., Mobile County, Hydrologic Unit 03170008, 300 ft north of U.S. Highway 98 at logging road, 1.8 mi southeast of Wilmer.	2.85	1990-91†, 1992, 1994-99	12-08-98 02-25-99 05-20-99 08-23-99	6.4 4.3 2.4 2.2
02479960 Boggy Branch	Big Creek	Lat 30°47'13", long 88°22'01", in NE ¹ / ₄ sec. 15, T. 3 S., R. 4 W., Mobile County, Hydrologic Unit 03170008, at County Road 5, 2.6 mi south of Wilmer.	3.17	1990-91†, 1992, 1994-99	12-10-98 02-23-99 05-18-99 08-23-99	4.7 3.1 1.7 1.1

† Operated as a crest-stage station.

‡ Operated as a continuous-record station.

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02423405 LAKE PURDY AT IRONDALE BRIDGE NEAR LEEDS, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	
NOV 03...	1330	19.8	20.2	749	.28	394	393	9.9	111	8.0	8.0	
MAR 17...	1000	14.3	19.5	760	.40	213	235	12.4	121	8.1	7.8	
JUN 23...	0800	27.2	23.9	754	1.60	225	233	11.0	140	8.4	7.8	
AUG 11...	1545	33.7	30.0	748	--	204	218	8.7	125	8.7	8.3	
DATE	TIME	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
NOV 03...	3.1	162	0	198	162	26	41	1.40	<.100	1.8	.25	
MAR 17...	--	--	0	129	106	K130	100	22.0	<.100	--	--	
JUN 23...	--	--	4	119	105	<1	<1	5.20	<.100	.31	.22	
AUG 11...	--	--	4	110	98	<1	<1	6.20	<.100	.63	.59	
DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
NOV 03...	.210	.011	1.29	.46	1.30	.27	7.8	.09	.070	.030	170	
MAR 17...	.060	.010	.390	E.41	.400	.08	--	.06	E.070	.020	110	
JUN 23...	.030	<.010	--	.25	.060	.04	1.4	--	<.020	<.010	110	
AUG 11...	.010	<.010	--	.60	.030	.01	2.8	--	<.020	<.010	95	
DATE	TIME	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD- NESS NONCARB DISSOLV LAB AS CACO3 (MG/L) (00905)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV 03...	4	--	54	7.6	7.2	.2	8	9.5	7.5	24	.15	
MAR 17...	6	6	39	3.5	2.4	.1	4	2.7	2.7	11	<.10	
JUN 23...	5	--	36	4.7	3.0	.1	5	4.1	3.4	11	<.10	
AUG 11...	--	--	32	3.7	2.2	.1	5	3.6	2.6	8.3	<.10	

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02423405 LAKE PURDY AT IRONDALE BRIDGE NEAR LEEDS, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
NOV 03...	9.2	37	810	9.3	170	120	.60	228	217	.31
MAR 17...	6.9	13	210	14	22	10	2.4	138	132	.19
JUN 23...	3.6	16	80	3.1	26	.50	2.6	145	128	.20
AUG 11...	5.9	16	70	3.3	28	1.4	2.6	125	116	.17

DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
JUN 23...	<1	<1	<1.0	<1	1.7	<1	<1.0

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)
JUN 23...	1	<1.0	<1	<1	<1	<.1	<.10

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

0242340550 COX CREEK NEAR CAHABA HEIGHTS, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)
NOV 03...	1020	15.7	19.5	750	.06	120	212	6.3	64	7.6	7.5
MAR 16...	1430	14.5	21.1	759	9.8	80	79	9.2	91	7.6	7.4
JUN 22...	1515	24.6	28.6	753	.69	172	170	7.0	85	7.8	7.6
AUG 11...	1030	26.8	29.9	752	.27	114	177	6.9	88	7.9	7.8
DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	COLI- FORM, FECAL, 0.7 UM-MF (COLS/ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)
NOV 03...	4.6	94	0	114	93	620	260	--	.23	.020	<.010
MAR 16...	--	--	0	31	26	110	80	--	--	.020	.010
JUN 22...	--	--	0	83	68	120	80	.81	.22	.040	.030
AUG 11...	--	--	0	89	73	K390	K320	.36	.19	.030	<.010
DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD- NESS NONCARB DISSOLV LAB AS CACO3 (MG/L) (00905)
NOV 03...	--	.25	<.020	.03	--	.06	.040	.020	90	--	--
MAR 16...	.130	E.22	.140	.03	--	.09	E.040	.030	31	5	3
JUN 22...	.520	.26	.550	.05	3.6	.06	<.020	.020	70	2	--
AUG 11...	--	.22	.140	.04	1.6	.06	.020	.020	73	--	--
DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	
NOV 03...	22	8.6	3.8	.2	8	4.6	5.3	5.7	.11	6.4	
MAR 16...	7.7	2.8	2.3	.2	13	1.2	2.7	5.4	<.10	6.0	
JUN 22...	19	5.5	3.2	.2	9	3.1	4.4	7.8	.10	6.8	
AUG 11...	19	6.2	3.8	.2	10	2.4	3.7	7.3	.10	7.6	

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

0242340550 COX CREEK NEAR CAHABA HEIGHTS, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
NOV 03...	24	100	30	21	17	2.7	122	113	.02	.17
MAR 16...	9.1	540	71	64	52	2.5	52	43	1.38	.07
JUN 22...	15	410	9.7	66	50	2.3	112	91	.21	.15
AUG 11...	16	220	6.4	48	29	3.1	95	94	.07	.13

DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
JUN 22...	2	2	<1.0	<1	<1.0	<1	<1.0

DATE	LEAD, TOTAL RECOV- ERABLE DATE AS PB) (01051)	SILVER, SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	MERCURY NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	TOTAL RECOV- ERABLE (UG/L(UG/L AS HG) (71900)
JUN 22...	<1	<1.0	<1	<1	<1	<.1	<.10

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

0242340575 LEE BRANCH NEAR CAHABA HEIGHTS, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	
MAR 16...	1000	12.5	20.0	760	5.4	114	123	10.4	98	7.6	7.6	0	
JUN 22...	1300	22.2	28.8	754	<.01	238	250	7.6	88	7.7	8.0	0	
DATE		BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
MAR 16...	52	43	220	K87	.040	.010	.320	E.40	.330	.05	.12	E.050	
JUN 22...	129	106	K20	K13	.020	<.010	--	<.20	.080	.03	--	<.020	
DATE		PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD- NESS NONCARB DISSOLV LAB AS CACO3 (MG/L) (00905)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
MAR 16...	.040	53	10	9	14	4.3	2.1	.1	8	1.4	2.8	10	
JUN 22...	<.010	110	9	--	34	7.2	3.3	.1	6	2.7	5.2	13	
DATE		FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
MAR 16...	<.10	4.6	9.9	1100	37	65	35	2.7	72	65	1.05	.10	
JUN 22...	.17	3.6	14	100	2.6	65	40	2.1	141	133	--	.19	
DATE		ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)\					
JUN 22...		<1	<1	<1.0	<1	<1.0	<1	<1.0			<1.0		
DATE		LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)					
JUN 22...		<1	<1.0	<1	<1	<1	<1	<1			<.10		

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02444157 TOMBIGBEE RIVER AT STATE HIGHWAY 86 NEAR PICKENSVILLE, AL

SUSPENDED SEDIMENT DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
JAN					
23...	1200	25.0	68300	376	69300
23...	1205	50.0	68300	292	53800
23...	1210	75.0	68300	475	87600
24...	1025	25.0	84100	310	70400
24...	1030	50.0	84100	301	68300
24...	1035	75.0	84100	437	99200
25...	1400	25.0	76800	202	41900
25...	1405	50.0	76800	214	44400
25...	1410	75.0	76800	263	54500

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02447008 TOMBIGBEE RIVER AT COOKS BEND ABOVE CUT NEAR WARSAW, AL

SUSPENDED SEDIMENT DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
FEB			
01...	1100	75.0	87
01...	1105	50.0	127
01...	1110	25.0	95

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

323704087542400 TOMBIGBEE RIVER AT RATTLESNAKE BEND ABOVE CUT NEAR DEMOPOLIS, AL

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
FEB											
09...	1015	75.0	1	2	27	82	98	99	100	100	100
09...	1020	50.0	1	1	10	77	97	98	100	100	100
09...	1025	25.0	1	2	16	88	99	100	100	100	100

SUSPENDED SEDIMENT DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB						
01...	1440	75.0	104000	244	68500	65
01...	1445	50.0	104000	226	63500	64
01...	1450	25.0	104000	122	34300	69
02...	0950	25.0	105000	270	76500	--
02...	0955	50.0	105000	307	87000	--
02...	1000	75.0	105000	174	49300	--
09...	1015	25.0	21100	45	2560	63
09...	1020	50.0	21100	29	1650	76
09...	1025	75.0	21100	35	1990	81

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

323642087541800 TOMBIGBEE RIVER AT RATTLESNAKE BEND IN CUT NEAR DEMOPOLIS, AL

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
FEB											
09...	1140	75.0	0	3	97	100	100	100	100	100	100
09...	1145	50.0	1	1	11	99	100	100	100	100	100
09...	1150	25.0	14	35	79	100	100	100	100	100	100

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB						
01...	1550	75.0	71200	233	44800	46
01...	1555	50.0	71200	233	44800	47
01...	1600	25.0	71200	184	35400	68
02...	1110	75.0	72000	283	55000	--
02...	1115	50.0	72000	316	61400	--
02...	1125	25.0	72000	304	59100	--
09...	1140	25.0	13800	29	1080	70
09...	1145	50.0	13800	27	1010	99
09...	1150	75.0	13800	18	671	99

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

323653087540800 TOMBIGBEE RIVER AT RATTLESNAKE BEND IN OLD CHANNEL NEAR DEMOPOLIS, AL

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
FEB											
09...	1210	25.0	7	39	82	100	100	100	100	100	100
09...	1215	50.0	22	44	89	100	100	100	100	100	100
09...	1220	75.0	27	62	92	100	100	100	100	100	100

SUSPENDED SEDIMENT DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB						
01...	1610	75.0	32800	409	36200	36
01...	1615	50.0	32800	304	26900	38
01...	1620	25.0	32800	252	22300	52
02...	1135	25.0	33000	175	15600	--
02...	1140	50.0	33000	225	20000	--
02...	1145	75.0	33000	189	16800	--
09...	1210	75.0	7300	22	434	96
09...	1215	50.0	7300	12	237	96
09...	1220	25.0	7300	18	355	95

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456303 CROOKED CREEK TRIBUTARY AT I-65 NEAR MORRIS, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	
MAR 18...	0830	10.3	12.3	762	3.6	78	87	11.3	101	--	7.1	7.1	
JUN 24...	0900	21.1	22.4	756	.24	101	109	6.9	78	.1	7.0	7.8	
DATE		CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAR 18...	0	20	16	K22	K38	--	<.010	<.010	<.010	<.20	<.20	.650	
JUN 24...	0	33	27	K1100	K800	.56	.020	<.010	<.010	.22	<.20	.330	
DATE		NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)
MAR 18...	.650	--	.020	E.030	<.010	<.010	.90	28	12	5.3	3.7	3.7	
JUN 24...	.340	.03	<.020	<.020	<.010	<.010	1.9	36	9	7.2	4.3	5.0	
DATE		SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	
MAR 18...	.3	21	.90	3.1	15	<.10	9.1	<1	<1	12	80		
JUN 24...	.4	22	2.0	4.1	13	<.10	8.5	<1	<1	19	210		
DATE		IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	
MAR 18...	21	36	34	<1	<1	<.1	<.10	56	54	.55	.08		
JUN 24...	16	44	37	<1	<1	<.1	<.10	77	62	.05	.10		

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456305 CROOKED CREEK ABOVE MORRIS, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
MAR 18...	1100	11.6	20.8	763	17	1.91	101	108	12.4	114	--	7.4
JUN 24...	1130	22.8	26.3	755	.89	--	141	142	5.8	68	.7	6.9
DATE	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAR 18...	7.2	0	20	16	K16	K11	.020	<.010	<.010	<.20	<.20	.480
JUN 24...	7.5	0	35	29	320	80	.040	<.010	<.010	<.20	<.20	.080
DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)
MAR 18...	.500	.03	.020	<.020	<.010	<.010	.80	38	21	6.9	5.0	3.9
JUN 24...	.080	.05	<.020	<.020	<.010	<.010	1.1	49	21	9.7	6.1	5.3
DATE	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	
MAR 18...	.3	18	1.1	3.0	24	<.10	9.5	<1	<1	13	80	
JUN 24...	.3	18	2.0	4.6	27	<.10	8.2	<1	<1	18	480	
DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	
MAR 18...	7.2	37	36	<1	<1	<.1	<.10	70	66	3.25	.10	
JUN 24...	9.1	220	190	<1	<1	<.1	<.10	98	81	.24	.13	

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02470040 TOMBIGBEE RIVER NEAR JACKSON, AL

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB						
03...	1025	25.0	95000	383	98200	34
03...	1050	50.0	95000	321	82300	40
03...	1115	75.0	95000	645	165000	24
MAR						
09...	1330	25.0	58000	77	12100	86
09...	1350	50.0	58000	94	14700	80
09...	1410	75.0	58000	110	17200	72

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479935 BIG CREEK NEAR BOOTHETOWN, AL.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- NUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 24...	1100	24.6	29.5	763	3.5	1.7	40	28	30	8.1	97
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, DIS- SOLVED TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)
AUG 24...	6.2	0	2	2	6	K3400	K2700	.56	.51	.34	.30
DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
AUG 24...	.010	<.010	<.010	<.010	.31	.35	.210	.200	.01	2.5	.013
DATE	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	
AUG 24...	.003	<.001	<.001	4.4	4.1	1.0	840	250	21	14	
DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)		
AUG 24...	<1	<1	33	35	<.5	<.5	<.5	<.5	<1		
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
AUG 24...	<1	<1	<1	<1	<1	<1	<1	<1	<1	6.7	
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)		
AUG 24...	2.8	<1	<1	74	36	<1	<1	<.1	<.1		

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479940 BIG CREEK AT MASON FERRY ROAD NEAR GEORGETOWN, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 24...	0915	23.5	30.5	760	10	1.4	30	28	33	6.3	75
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, DIS- SOLVED (MG/L AS N) (00600)	NITRO- GEN CON- DUCT- ANCE LAB (MG/L AS N) (00602)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)
AUG 24...	6.3	0	3	2	4	K1800	980	.98	.91	.28	.21
DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)
AUG 24...	.020	.010	<.010	<.010	.23	.29	.690	.680	.01	.03	4.3
DATE	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
AUG 24...	.007	.003	<.001	<.001	3.1	2.9	.60	510	220	26	12
DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)		
AUG 24...	<1	<1	36	37	<.5	<.5	<.5	<.5	<.5	<1	
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
AUG 24...	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.3
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL RECOV- ERABLE (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)		
AUG 24...	2.5	<1	<1	50	25	<1	<1	<1	<1	<1	

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479944 JACKSON BRANCH AT HOWARD MORRIS ROAD NEAR WILMER, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 27...	1020	23.9	31.1	762	2.6	1.1	50	23	24	6.0	71
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE D (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, DIS- SOLVED TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)
AUG 27...	5.0	0	1	1	3	300	K500	.38	.35	.34	.31
DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)
AUG 27...	.020	.020	<.010	<.010	.33	.36	.020	.020	.03	.03	1.7
DATE	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TANNIN AND LIGNIN (MG/L) (32240)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	
AUG 27...	.005	.003	<.001	<.001	7.3	1.6	610	360	38	36	
DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, DIS- SOLVED (UG/L AS CR) (01030)		
AUG 27...	<1	<1	21	22	<.5	<.5	<.5	<.5	<1		
DATE	CHROMIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
AUG 27...	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)		
AUG 27...	1.8	<1	<1	151	120	<1	<1	<.1	<.1		

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

0247994650 JUNIPER CREEK AT JACK WILLIAMS ROAD NEAR GEORGETOWN, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 25...	0945	23.9	27.0	764	4.5	1.4	40	26	26	7.2	85
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
AUG 25...	5.6	0	0	0	6	K1400	1300	.46	.30	.040	.030
DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	
AUG 25...	<.010	<.010	<.20	.33	.130	.120	.04	.05	2.0	.008	
DATE	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	
AUG 25...	.002	<.001	<.001	5.5	4.9	1.2	450	250	110	100	
DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)		
AUG 25...	<1	<1	24	25	<.5	<.5	<.5	<.5	<1		
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
AUG 25...	<1	<1	<1	<1	<1	<1	<1	<1	<1	6.9	
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)		
AUG 25...	2.9	<1	<1	163	98	<1	<1	<.1	<.1		

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479947 JUNIPER CREEK AT COLEMAN DAIRY ROAD NEAR WILMER, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
AUG 25...	1015	22.8	31.1	761	23	3.8	40	30	32	6.5	76	6.0
DATE	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS/ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	
AUG 25...	0	3	2	4	1400	300	.87	.83	.30	.27	.020	
DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS- (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	
AUG 25...	.020	<.010	<.010	.29	.32	.550	.540	.03	.03	3.9	.04	
DATE	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TANNIN AND LIGNIN (MG/L) (32240)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	
AUG 25...	.02	.029	.013	.006	.012	4.9	1.0	460	180	80	70	
DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)			
AUG 25...	<1	<1	32	35	<.5	<.5	<.5	<.5	<.5	<1		
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)		
AUG 25...	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.3	
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)			
AUG 25...	4.2	<1	<1	227	94	<1	<1	<.1	<.1	<.1		

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479948 JUNIPER CREEK AT GLENWOOD ROAD NEAR FAIRVIEW, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
DEC 10...	1300	15.8	18.6	763	19	1.02	--	--	28	28	8.8	89
FEB 24...	0840	11.6	9.8	770	16	.70	--	--	27	28	9.8	89
MAY 19...	1630	21.5	27.2	759	12	.39	--	10	28	29	7.8	89
AUG 25...	1530	23.9	29.0	761	17	.85	5.0	40	33	34	7.7	91
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)
DEC 10...	6.1	6.4	7.7	5	0	4	3	--	430	1200	.83	.77
FEB 24...	6.6	6.3	--	--	0	3	3	--	450	350	--	--
MAY 19...	6.6	6.5	--	--	0	4	3	--	--	280	--	--
AUG 25...	6.3	6.4	--	--	0	5	4	7	1600	1500	.70	.70
DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	
DEC 10...	--	--	--	<.010	<.010	<.010	.20	.25	.580	.570	--	
FEB 24...	--	--	.020	<.010	<.010	<.010	<.20	<.20	.660	.660	.03	
MAY 19...	--	--	.010	<.010	<.010	<.010	<.20	<.20	.590	.580	.01	
AUG 25...	.23	.25	.010	<.010	<.010	<.010	.26	.24	.460	.440	.01	
DATE	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	
DEC 10...	3.7	--	--	.030	.020	<.010	<.010	.70	.70	.60	<.10	
FEB 24...	--	.00	--	.010	.004	<.001	.001	.50	.40	.40	<.10	
MAY 19...	--	.01	.01	.017	.007	.003	.004	1.1	1.0	.50	--	
AUG 25...	3.1	.03	.02	.026	.010	.006	.010	4.5	4.3	1.0	--	

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479948 JUNIPER CREEK AT GLENWOOD ROAD NEAR FAIRVIEW, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
DEC 10...	4.0	--	7	3	1.3	.80	1.9	.3	37	.50	.40
FEB 24...	3.9	--	6	4	1.2	.80	1.9	.3	38	.40	.50
MAY 19...	3.9	--	7	3	1.2	.90	1.9	.3	36	.40	.40
AUG 25...	3.5	<.050	9	4	2.1	.80	1.9	.3	30	.70	1.9
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
DEC 10...	<.10	7.2	7.6	530	150	37	22	26	21	1.34	.04
FEB 24...	<.10	6.4	6.9	270	91	26	19	22	20	.95	.03
MAY 19...	<.10	6.5	6.8	420	170	30	13	29	20	.92	.04
AUG 25...	<.10	7.1	9.3	440	140	51	36	28	23	1.30	.04
DATE	TIME	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, DIS- SOLVED (UG/L AS CR) (01030)	
AUG 25...	1530	<1	<1	30	32	<.5	<.5	<.5	<.5	<1	
DATE	CHROMIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
AUG 25...	<1	<1	<1	<1	<1	<1	<1	<1	<1	5.6	
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)		
AUG 25...	1.9	<1	<1	220	69	<1	<1	<.1	<.1		

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479950 COLLINS CREEK AT GLENWOOD ROAD NEAR FAIRVIEW, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
DEC 10...	1340	15.8	20.0	763	18	3.67	--	--	26	26	8.9	90
FEB 24...	1250	13.6	19.4	769	15	3.56	--	--	25	25	10.9	104
MAY 20...	1245	22.1	30.0	760	12	3.42	--	30	26	27	8.2	94
AUG 25...	1450	24.7	28.4	761	19	3.71	13	60	32	35	6.6	80

DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)
DEC 10...	6.9	6.4	1.5	6	0	5	4	--	110	140	--	--
FEB 24...	6.5	6.4	--	--	0	4	4	--	K57	K45	--	--
MAY 20...	6.6	6.6	--	--	0	5	4	--	--	180	--	--
AUG 25...	6.7	6.4	--	--	0	3	3	9	K4200	220	.48	.37

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
DEC 10...	--	--	--	<.010	<.010	<.010	<.20	<.20	.220	.220	--	--
FEB 24...	--	--	<.010	<.010	<.010	<.010	<.20	<.20	.240	.240	--	--
MAY 20...	--	--	.010	<.010	<.010	<.010	<.20	<.20	.180	.170	--	.01
AUG 25...	.32	.21	.020	.010	<.010	<.010	.23	.33	.150	.140	.01	.03

DATE	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)
DEC 10...	--	--	--	.020	.020	<.010	<.010	.80	.70	.70	<.10
FEB 24...	--	--	--	.005	.002	<.001	<.001	.70	.50	.40	<.10
MAY 20...	--	.00	.00	.008	.004	.001	.001	1.7	1.7	.50	--
AUG 25...	2.1	.02	--	.018	.004	<.001	.005	4.8	4.5	1.1	--

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479950 COLLINS CREEK AT GLENWOOD ROAD NEAR FAIRVIEW, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
DEC 10...	3.5	--	6	2	1.5	.60	2.0	.3	39	.40	.80
FEB 24...	3.6	--	5	2	1.2	.50	2.0	.4	44	.30	.90
MAY 20...	3.6	--	6	2	1.4	.60	2.2	.4	43	.30	.60
AUG 25...	3.4	<.050	9	6	2.5	.60	1.9	.3	30	.70	2.4
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
DEC 10...	<.10	6.7	8.4	890	330	28	20	27	19	1.28	.04
FEB 24...	<.10	5.8	7.1	430	170	20	16	22	18	.91	.03
MAY 20...	<.10	5.9	7.5	780	360	27	19	30	18	.98	.04
AUG 25...	<.10	6.4	10	820	200	47	32	27	20	1.39	.04
DATE	TIME	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	
AUG 25...	1450	<1	<1	24	27	<.5	<.5	<.5	<.5	<1	
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
AUG 25...	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.4	
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)		
AUG 25...	3.1	<1	<1	339	67	<1	<1	<.1	<.1		

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479955 LONG BRANCH NEAR WILMER, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
DEC 08...	1525	21.0	19.2	761	6.4	--	--	43	43	7.7	87	7.0
FEB 25...	0815	10.0	7.3	766	4.3	--	--	40	41	9.5	84	6.7
MAY 20...	1045	21.0	26.0	761	2.4	--	40	38	40	9.2	103	7.1
AUG 23...	1600	27.3	30.5	762	2.3	2.1	60	45	44	10.7	135	7.0

DATE	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS/ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)
DEC 08...	6.6	2.7	14	0	15	13	--	420	780	.87	.75
FEB 25...	6.6	--	--	0	6	5	--	K50	K57	--	--
MAY 20...	6.9	--	--	0	9	7	--	--	170	--	--
AUG 23...	7.0	--	--	0	12	10	4	840	420	.76	--

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
DEC 08...	.30	--	.020	<.010	<.010	.20	.32	.550	.550	.03	--
FEB 25...	--	.050	.040	<.010	<.010	<.20	<.20	.710	.710	.05	.06
MAY 20...	--	.020	.020	<.010	<.010	<.20	<.20	.380	.370	.03	.03
AUG 23...	--	<.010	<.010	<.010	<.010	<.20	.41	.350	.330	--	--

DATE	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHATE, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)
DEC 08...	3.9	--	--	.030	.030	<.010	<.010	2.2	1.9	.90	<.10
FEB 25...	--	.01	--	.007	.003	<.001	.003	.70	.70	.30	<.10
MAY 20...	--	.01	.00	.016	.005	.001	.004	2.1	2.1	.70	--
AUG 23...	3.4	.01	--	.012	.003	<.001	.002	2.7	2.6	.60	--

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479955 LONG BRANCH NEAR WILMER, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
DEC 08...	4.6	--	14	2	3.9	1.1	2.6	.3	27	.90	1.9
FEB 25...	4.6	--	10	5	2.4	1.0	2.4	.3	32	.70	2.3
MAY 20...	4.8	--	10	3	2.3	1.1	2.6	.4	34	.70	1.4
AUG 23...	4.6	<.050	12	2	3.1	1.1	2.6	.3	30	.80	1.4
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
DEC 08...	<.10	7.4	13	1400	340	59	36	40	33	.69	.05
FEB 25...	<.10	6.2	10	620	140	37	34	28	26	.33	.04
MAY 20...	<.10	5.8	11	1600	490	44	22	37	25	.24	.05
AUG 23...	<.10	6.1	12	1100	280	25	12	29	27	.18	.04
DATE	TIME	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	
AUG 23...	1600	<1	<1	36	40	<.5	<.5	<.5	<.5	<1	
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
AUG 23...	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)		
AUG 23...	1.4	<1	<1	47	12	<1	<1	<.1	<.1		

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479960 BOGGY BRANCH AT COUNTY ROAD NEAR WILMER, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
DEC 10...	1015	14.4	15.8	765	4.7	2.60	--	--	30	30	8.6	84
FEB 23...	0845	8.8	7.0	764	3.1	2.48	--	--	28	29	9.0	77
MAY 18...	1530	23.6	27.7	758	1.7	2.08	--	60	31	32	5.8	69
AUG 23...	1615	27.8	28.5	760	1.1	2.21	2.7	70	31	34	5.4	69

DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)
DEC 10...	6.2	6.2	6.1	5	0	4	3	--	120	120	.41	.35
FEB 23...	6.4	6.0	--	--	0	4	3	--	K47	340	--	--
MAY 18...	6.2	6.3	--	--	0	5	4	--	--	K68	.40	.39
AUG 23...	6.1	6.4	--	--	0	6	5	4	--	--	.40	.44

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
DEC 10...	--	--	--	<.010	<.010	<.010	.21	.27	.140	.140	--	--
FEB 23...	--	--	<.010	<.010	<.010	<.010	<.20	<.20	.200	.200	--	--
MAY 18...	.24	.25	.020	.040	<.010	<.010	.27	.28	.120	.120	.05	.03
AUG 23...	.29	.33	.010	.010	<.010	<.010	.34	.30	.100	.100	.01	.01

DATE	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)
DEC 10...	1.8	--	--	.020	.020	<.010	<.010	2.6	2.4	.90	<.10
FEB 23...	--	--	--	.007	.002	<.001	<.001	1.5	1.4	.50	<.10
MAY 18...	1.8	.01	.00	.014	.008	.001	.002	4.0	3.2	.90	--
AUG 23...	1.8	--	--	.013	.003	<.001	<.001	3.9	3.6	.90	--

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479960 BOGGY BRANCH AT COUNTY ROAD NEAR WILMER, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
DEC 10...	5.0	--	8	4	1.2	1.1	2.1	.3	36	.50	.80
FEB 23...	4.8	--	6	3	.90	.90	2.1	.4	41	.40	1.0
MAY 18...	5.3	--	7	3	1.1	1.1	2.4	.4	40	.50	.60
AUG 23...	5.0	<.050	8	3	1.2	1.1	2.3	.4	38	.50	.50
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
DEC 10...	<.10	8.2	8.3	1500	600	66	58	32	22	.40	.04
FEB 23...	<.10	6.0	6.6	710	350	34	31	26	19	.22	.04
MAY 18...	<.10	7.2	7.7	1900	1100	92	83	33	22	.15	.04
AUG 23...	<.10	8.0	8.4	1900	420	97	66	27	23	.08	.04
DATE	TIME	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	
AUG 23...	1615	<1	<1	25	28	<.5	<.5	<.5	<.5	<1	
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
AUG 23...	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.4	
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)		
AUG 23...	2.1	<1	<1	89	31	<1	<1	<.1	<.1		

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479975 CROOKED CREEK AT WULFF ROAD NEAR SEMMES, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
SEP 01...	1530	24.7	1.9	2.5	50	55	59	4.7	7.1	0	20
DATE	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
SEP 01...	16	<1	K480	350	.36	.38	.17	.20	.030	.040	<.010
DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	
SEP 01...	<.010	.23	.21	.150	.150	.05	.04	1.6	.04	.02	
DATE	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TANNIN AND LIGNIN (MG/L) (32240)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	
SEP 01...	.024	.009	.006	.012	3.1	.60	1400	440	82	67	
DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)		
SEP 01...	<1	<1	23	23	<.5	<.5	<.5	<.5	<1		
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
SEP 01...	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.8	
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)		
SEP 01...	2.9	<1	<1	40	12	<1	<1	<.1	<.1		

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479985 CROOKED CREEK AT MOUTH NEAR WILMER, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
DEC 08...	1115	22.3	26.6	761	--	--	26	27	8.7	100	6.4
FEB 25...	1550	15.7	18.8	761	2.41	--	27	28	8.2	83	6.8
MAY 19...	1100	27.7	28.0	761	--	10	29	30	7.1	90	6.8
DATE	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
DEC 08...	6.6	3.9	5	0	5	4	K5	K5	.43	.26	--
FEB 25...	6.7	--	--	0	4	3	<1	K1	--	--	.010
MAY 19...	6.6	--	--	0	5	4	--	K5	.33	.23	.020
DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	
DEC 08...	.020	<.010	<.010	<.20	.28	.150	.140	.03	--	1.9	
FEB 25...	.020	<.010	<.010	<.20	<.20	.210	.210	.03	.01	--	
MAY 19...	.020	<.010	<.010	<.20	.25	.080	.080	.03	.03	1.5	
DATE	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	
DEC 08...	--	--	.030	.020	<.010	<.010	2.6	2.5	.80	<.10	
FEB 25...	--	--	.008	.003	<.001	<.001	2.0	1.9	.50	<.10	
MAY 19...	.00	.00	.011	.005	.001	.001	2.8	2.7	.40	--	

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02479985 CROOKED CREEK AT MOUTH NEAR WILMER, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CHLORIDE, DIS- SOLVED (MG/L AS CL) (00940)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
DEC 08...	2.9	7	3	1.7	.60	1.6	.3	31	.70	1.5
FEB 25...	3.6	6	3	1.5	.60	1.9	.3	37	.60	1.6
MAY 19...	3.8	7	3	1.6	.70	2.0	.3	37	.50	1.5
DATE	FLUORIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
DEC 08...	<.10	3.3	11	510	320	25	17	24	16	.03
FEB 25...	<.10	2.9	9.6	360	240	13	8.8	21	16	.03
MAY 19...	<.10	2.4	8.9	410	250	63	18	25	16	.03

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS
 0248000050 UNNAMED TRIBUTARY TO HAMILTON CREEK AT FIRETOWER ROAD NEAR SEMMES, AL
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 26...	0900	24.3	24.7	763	2.9	2.9	50	41	44	4.0	48
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
AUG 26...	6.3	0	9	7	8	270	220	.40	.21	.040	.040
DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	
AUG 26...	<.010	<.010	.25	<.20	.150	.150	.05	.05	.01	.016	
DATE	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	
AUG 26...	.005	<.001	.002	3.2	3.1	1.0	940	310	56	48	
DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)		
AUG 26...	<1	<1	24	26	<.5	<.5	<.5	<.5	<1		
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
AUG 26...	<1	<1	<1	<1	<1	<1	<1	<1	<1	8.7	
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)		
AUG 26...	3.8	<1	<1	128	32	<1	<1	<.1	<.1		

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02480001 HAMILTON CREEK BELOW SEMMES, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG 26...	1330	25.0	33.9	763	7.2	3.0	40	34	35	6.2	75
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	NITRO- GEN, NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00600)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00605)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
AUG 26...	6.2	0	7	6	6	410	180	.47	.31	.020	.020
DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, ORTHODIS- SOLVED (MG/L AS PO4) (00650)	PHOS- PHATE, ORTHODIS- SOLVED (MG/L AS PO4) (00660)
AUG 26...	<.010	<.010	<.20	.33	.140	.140	.03	.03	2.1	.01	.01
DATE	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHODIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHODIS- SOLVED (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
AUG 26...	.012	.004	.002	.003	3.3	3.0	.80	820	260	43	34
DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)		
AUG 26...	<1	<1	21	23	<.5	<.5	<.5	<.5	<.5	<1	
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
AUG 26...	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	10
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ALUM- ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)		
AUG 26...	5	<1	<1	114	28	<1	<1	<.1	<.1	<.1	

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02480004 HAMILTON CREEK (BIG CREEK LAKE INTAKE) NEAR SEMMES, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
DEC 09...	0845	20.3	11.8	766	--	E2.00	--	26	27	7.3	81	5.9
FEB 25...	1310	15.9	20.4	763	--	3.15	--	27	28	10.2	103	6.7
MAY 19...	0910	27.1	23.8	761	--	2.68	10	29	30	8.4	106	6.8
AUG 26...	1455	31.3	33.4	761	1.1	2.18	20	29	31	6.5	88	7.0

DATE	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	NITRO- GEN, TOTAL (MG/L AS N) (00600)
DEC 09...	6.7	12	5	0	5	4	--	K8	K9	--	--	.40
FEB 25...	6.6	--	--	0	4	3	--	<1	--	11.0	<.100	--
MAY 19...	6.6	--	--	0	5	4	--	--	<1	4.20	.600	--
AUG 26...	6.7	--	--	0	6	5	6	<2	<2	2.90	<.100	--

DATE	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)
DEC 09...	.38	.20	--	.050	<.010	<.010	.22	.25	.150	.160	.06
FEB 25...	--	--	.010	.020	<.010	<.010	<.20	<.20	.240	.230	.03
MAY 19...	--	--	<.010	.010	<.010	<.010	<.20	<.20	.100	.100	.01
AUG 26...	--	.27	.010	.010	<.010	<.010	<.20	.28	<.020	<.020	.01

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	TANNIN AND LIGNIN (MG/L) (32240)
DEC 09...	--	1.8	--	--	.030	.020	<.010	<.010	2.6	2.4	.70
FEB 25...	.01	--	.01	--	.006	.003	<.001	.003	2.0	1.9	.50
MAY 19...	--	--	.00	.00	.009	.004	.001	.001	2.8	2.7	.40
AUG 26...	.01	--	--	--	.007	.004	<.001	<.001	3.6	3.2	.40

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02480004 HAMILTON CREEK (BIG CREEK LAKE INTAKE) NEAR SEMMES, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	BROMIDE, DIS-SOLVED (MG/L AS BR) (71870)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	SODIUM PERCENT (00932)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)
DEC 09...	<.10	3.0	<.050	6	2	1.6	.60	1.7	.3	33	.70
FEB 25...	<.10	3.7	<.050	6	3	1.4	.60	1.9	.3	38	.60
MAY 19...	--	4.0	--	7	3	1.5	.70	2.1	.4	39	.50
AUG 26...	--	3.7	<.050	7	2	1.6	.70	2.1	.3	37	.60
DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
DEC 09...	1.5	<.10	3.9	11	560	230	22	9.6	27	16	.04
FEB 25...	1.6	<.10	3.2	9.5	350	230	13	8.8	22	16	.03
MAY 19...	1.6	<.10	2.3	8.8	350	220	38	7.3	24	16	.03
AUG 26...	1.4	<.10	3.4	10	290	110	48	28	21	17	.03
DATE	TIME	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, DIS-SOLVED (UG/L AS BE) (01010)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, DIS-SOLVED (UG/L AS CR) (01030)	
AUG 26...	1455	<1	<1	8	11	<.5	<.5	<.5	<.5	<1	
DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	
AUG 26...	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.3	
DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ANTIMONY, DIS-SOLVED (UG/L AS SB) (01095)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ALUMINUM, DIS-SOLVED (UG/L AS AL) (01106)	SELENIUM, DIS-SOLVED (UG/L AS SE) (01145)	SELENIUM, TOTAL (UG/L AS SE) (01147)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)		
AUG 26...	1.5	<1	<1	19	6.2	<1	<1	<.1	<.1		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATION
 SPECIFIC CONDUCTANCE AND TEMPERATURE
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
APALACHICOLA RIVER BASIN									
02342500 UCHEE CREEK NEAR FORT MITCHELL, AL.									
OCT 1998					APR 1999				
20...	1445	98	23.0	50	29...	0940	164	20.0	56
NOV					JUN				
20...	1525	109	19.5	50	24...	1145	88	24.0	186
JAN 1999					AUG				
05...	1425	216	4.0	46	11...	1220	91	30.5	101
FEB									
26...	1500	222	14.5	40					
02342933 SOUTH FORK COWIKEE CREEK NEAR BATESVILLE AL									
OCT 1998					APR 1999				
15...	1435	62	20.5	165	28...	1515	105	24.0	95
NOV					JUN				
20...	1045	17	18.5	92	24...	1545	58	25.5	101
JAN 1999					AUG				
06...	1115	34	1.5	48	11...	1420	6.7	32.5	123
FEB					SEP				
26...	1005	53	10.5	106	20...	1540	2.1	22.0	146
CHOCTAWHATCHEE RIVER BASIN									
02361000 CHOCTAWHATCHEE RIVER NEAR NEWTON, AL									
MAY 1999					AUG 1999				
24...	1535	372	25.5	69	31...	1635	203	29.0	77
JUL									
13...	1200	991	24.5	51					
02362240 LITTLE DOUBLE BRIDGES CREEK NEAR ENTERPRISE, AL									
NOV 1998					MAY 1999				
13...	1200	36	15.0	46	25...	0925	16	21.0	46
JAN 1999					JUL				
12...	1630	37	8.0	39	13...	1630	35	24.5	41
FEB					SEP				
24...	1705	36	12.0	39	03...	1100	8.7	23.0	49
APR									
13...	0915	16	18.5	46					
02363000 PEA RIVER NEAR ARITON, AL									
FEB 1999					JUL 1999				
25...	1600	325	10.5	62	12...	1400	463	25.0	66
APR					AUG				
12...	1215	208	22.0	73	31...	1230	107	27.0	83
MAY									
24...	1150	83	24.5	83					
BLACKWATER RIVER BASIN									
02369800 BLACKWATER RIVER NEAR BRADLEY, AL									
NOV 1998					MAY 1999				
18...	1105	199	17.5	36	25...	1605	73	22.0	24
JAN 1999					JUL				
08...	1600	149	11.0	22	16...	1540	146	24.5	32
FEB					SEP				
24...	1000	74	11.0	23	15...	1420	36	22.0	20
APR									
13...	1600	62	19.5	23					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATION

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
ESCAMBIA RIVER BASIN									
02371500 CONECUH RIVER AT BRANTLEY, AL									
NOV 1998					APR 1999				
16...	1325	322	18.0	81	19...	0950	850	16.5	50
JAN 1999					JUL				
11...	1030	567	7.5	42	20...	1700	1030	26.5	57
MAR					SEP				
01...	1055	373	13.5	78	02...	1220	79	25.0	132
02372250 PATSALIGA CREEK NEAR BRANTLEY, AL									
JAN 1999					JUL 1999				
11...	1405	571	7.5	46	20...	1130	1370	25.0	59
APR									
16...	1235	474	19.5	109					
02372422 CONECUH RIVER BELOW POINT A DAM NEAR RIVER FALLS, AL									
JUN 1999					JUL 1999				
28...	1100	8000	26.0	52	02...	1240	13100	27.0	37
02373000 SEPULGA RIVER NEAR MCKENZIE, AL									
NOV 1998					JUL 1999				
17...	1235	127	17.5	77	14...	1800	1680	24.5	41
FEB 1999					SEP				
23...	1335	239	10.5	66	28...	1615	22	24.5	77
APR									
16...	0850	127	19.5	74					
02374250 CONECUH RIVER AT STATE HIGHWAY 41 NEAR BREWTON, AL									
APR 1999					JUN 1999				
14...	1040	2160	21.5	85	29...	--	10800	26.0	42
MAY					SEP				
26...	--	1240	27.0	83	15...	--	625	25.5	91
02374500 MURDER CREEK NEAR EVERGREEN, AL									
FEB 1999					JUL 1999				
23...	0825	147	9.0	47	15...	1030	292	24.0	39
APR					SEP				
15...	1325	150	20.0	53	17...	1340	63	20.5	--
MAY									
27...	1450	357	21.5	--					
02374700 MURDER CREEK AT STATE HIGHWAY 41 AT BREWTON, AL									
MAR 1999					MAY 1999				
16...	1350	3100	13.0	40	26...	0930	199	24.0	86
APR					JUL				
14...	1620	316	21.5	86	16...	0930	570	24.5	68
02374745 BURNT CORN CREEK AT STATE HIGHWAY 41 NEAR BREWTON, AL									
MAR 1999					MAY 1999				
16...	1030	1560	12.0	34	27...	0920	114	22.0	--
17...	1130	583	13.5	46	SEP				
APR					14...	1105	60	22.5	63
15...	0930	132	19.5	74					
02376115 ELEVENMILE CREEK NEAR PENSACOLA, FL									
NOV 1998					APR 1999				
06...	1025	73	17.0	1240	12...	1330	60	27.0	1360
30...	1410	72	22.0	1290	JUL				
JAN 1999					27...	1500	174	28.0	733
19...	1415	79	19.5	1050					
MAR									
02...	1420	71	23.0	1290					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATION

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
PERDIDO RIVER BASIN									
02376500 PERDIDO RIVER AT BARRINEAU PARK, FL									
NOV 1998					APR 1999				
30...	1125	604	16.0	22	12...	1045	425	21.5	26
JAN 1999					JUL				
19...	1120	700	14.5	22	27...	1120	548	25.0	24
MAR					SEP				
02...	1125	545	16.0	22	20...	1110	301	22.5	27
02377570 STYX RIVER NEAR ELSANOR, AL									
NOV 1998					APR 1999				
30...	1605	312	17.0	27	12...	1515	181	23.5	32
JAN 1999					SEP				
19...	1615	354	15.0	26	20...	1400	128	23.5	38
FISH RIVER BASIN									
02378300 MAGNOLIA RIVER AT US 98 NEAR FOLEY, AL									
JUL 1999									
28...	0825	21	27.5	37					
02378500 FISH RIVER NEAR SILVER HILL, AL									
DEC 1998					APR 1999				
01...	0810	104	17.0	44	13...	0750	73	18.5	47
JAN 1999					JUL				
20...	0755	94	16.0	44	28...	1015	90	23.5	44
MAR					SEP				
03...	0820	85	16.5	44	20...	1545	70	22.5	45
MOBILE RIVER BASIN									
02398300 CHATTOOGA RIVER ABOVE GAYLESVILLE, AL									
OCT 1998					MAY 1999				
21...	1630	131	18.5	700	04...	1655	313	19.5	355
DEC					JUN				
01...	1450	148	12.5	483	23...	1445	219	23.5	549
FEB 1999					AUG				
04...	0950	1420	11.5	187	12...	0930	163	26.0	641
02398950 WEST FORK LITTLE RIVER AT DESOTO PARK NEAR FORT PAYNE, AL									
OCT 1998					MAY 1999				
22...	1055	.58	14.5	37	05...	1255	55	17.0	19
DEC					JUN				
02...	1120	2.8	10.0	39	23...	1250	4.3	23.0	28
FEB 1999					AUG				
03...	1450	192	10.0	27	12...	1250	.58	28.0	38
02399200 LITTLE RIVER NEAR BLUE POND, AL									
OCT 1998					MAY 1999				
22...	0920	1.8	18.0	40	05...	1130	210	18.5	28
DEC					JUN				
02...	0920	10	11.0	54	23...	1055	32	25.0	35
FEB 1999					AUG				
03...	1130	1300	9.5	34	12...	1345	8.5	29.5	39
02400100 TERRAPIN CREEK AT ELLISVILLE, AL									
OCT 1998					JUN 1999				
22...	1355	99	17.5	193	23...	1650	121	23.5	174
MAY 1999					AUG				
05...	1605	188	19.0	140	12...	1525	104	27.5	201

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATION

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
MOBILE RIVER BASIN--Continued									
02401376 LITTLE CANOE CREEK AT SPRINGVILLE, AL.									
SEP 1999 24...	1035	5.2	17.0	220					
02401390 BIG CANOE CREEK AT ASHVILLE, AL									
OCT 1998 21...	0935	12	18.0	261	JUN 1999 23...	0730	39	22.0	192
DEC 01...	0815	15	11.5	261	AUG 11...	1030	24	26.5	256
FEB 1999 02...	1220	926	11.0	114					
02403395 CHOCCOLOCCO C AT OXFORD, AL									
MAY 1999 25...	1525	157	23.0	267	AUG 1999 11...	0755	85	24.5	270
JUN 22...	0800	98	22.0	333					
02404400 CHOCCOLOCCO CREEK AT JACKSON SHOAL NEAR LINCOLN, AL									
OCT 1998 20...	1600	195	20.0	316	MAY 1999 03...	1725	421	19.5	166
NOV 30...	1605	207	13.5	227	JUN 21...	1700	269	24.0	263
FEB 1999 02...	0910	2410	10.5	99	AUG 10...	1605	255	26.5	255
02405500 KELLY CREEK NEAR VINCENT, AL									
OCT 1998 20...	1350	7.5	20.5	153	MAY 1999 03...	1310	73	19.0	69
NOV 30...	1220	11	11.0	124	JUN 21...	1335	53	24.5	83
FEB 1999 01...	1345	5140	11.0	40	AUG 10...	1145	21	26.0	100
02406500 TALLADEGA CREEK AT ALPINE, AL									
OCT 1998 19...	1530	61	18.5	253	JUN 1999 21...	1510	80	22.0	221
NOV 30...	1410	70	13.5	232	AUG 10...	1325	83	23.0	256
MAY 1999 03...	1500	127	18.0	164					
02406947 TALLASSEE HATCHEE CREEK ABOVE CHILDERSBURG, AL									
MAR 1999 19...	1730	161	16.0	249	JUN 1999 22...	0900	34	22.0	461
02408004 YELLOW LEAF CREEK AT SEWAGE OUTFALL AT THORSBY, AL									
MAR 1999 22...	1115	18	12.5	50	JUN 1999 22...	1325	1.7	19.5	63
02408425 TRIBUTARY TO BAKER CREEK NEAR GOODWATER, AL									
MAR 1999 19...	1450	6.1	15.5	62	JUN 1999 21...	1725	2.4	21.5	71
02408540 HATCHET CREEK BELOW ROCKFORD, AL									
OCT 1998 19...	1145	59	20.5	49	MAY 1999 04...	1540	164	22.0	83
DEC 08...	1410	78	19.0	55	JUN 22...	1445	114	24.0	50
JAN 1999 20...	1330	195	10.5	60	AUG 10...	0930	164	26.0	50

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATION

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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MOBILE RIVER BASIN--Continued									
02412000 TALLAPOOSA RIVER NEAR HEFLIN, AL									
OCT 1998 22...	1610	114	16.0	44	MAY 1999 26...	0825	215	21.0	42
DEC 03...	0915	170	11.0	44	JUN 24...	0900	149	22.5	43
FEB 1999 04...	1510	908	11.0	39	AUG 13...	0950	78	27.5	46
02413300 LITTLE TALLAPOOSA RIVER NEAR NEWELL, AL									
OCT 1998 23...	1045	105	13.0	52	JUN 1999 24...	1115	118	23.0	57
DEC 03...	1050	138	12.0	56	AUG 13...	1125	75	27.0	70
FEB 1999 05...	0920	644	10.0	52					
02414500 TALLAPOOSA RIVER AT WADLEY, AL									
DEC 1998 09...	1230	168	15.0	46	JUN 1999 23...	1400	214	25.0	36
02414525 HIGH PINE CREEK NEAR ROANOKE, AL									
OCT 1998 23...	1255	2.7	13.5	88	MAY 1999 05...	1550	5.8	20.0	85
DEC 09...	1540	5.2	15.0	79	JUN 23...	1620	5.4	24.5	173
JAN 1999 21...	1345	8.0	12.5	102	AUG 11...	0815	4.6	28.0	88
02415000 HILLABEE CREEK NEAR HACKNEYVILLE, AL									
OCT 1998 23...	1530	30	15.0	37	MAY 1999 05...	1140	123	19.5	78
DEC 08...	1605	54	16.5	31	JUN 23...	0930	60	24.0	108
JAN 1999 20...	1610	124	10.0	55	AUG 10...	1415	91	26.0	44
02416035 SUGAR CREEK NEAR ALEXANDER CITY, AL									
MAR 1999 19...	1225	11	22.0	1700	JUL 1999 22...	1350	14	32.0	1880
JUN 21...	1505	12	27.5	1870					
02418179 SOUGAHATCHEE CREEK NEAR AUBURN, AL									
JUN 1999 21...	1110	16	22.0	1150	SEP 1999 24...	1600	10	22.5	1300
02419000 UPHAPEE CREEK NEAR TUSKEGEE, AL									
OCT 1998 20...	1045	62	22.0	104	JUN 1999 25...	1020	235	24.5	150
DEC 01...	1330	57	17.5	111	AUG 12...	0850	33	28.5	214
APR 1999 29...	1440	125	19.0	109					
02419890 TALLAPOOSA RIVER NEAR MONTGOMERY, AL (MONTGOMERY WATER WORKS)									
DEC 1998 10...	1345	3770	17.5	52	JUN 1999 25...	1330	1800	25.0	126
JAN 1999 22...	1230	3460	14.0	75	AUG 16...	1000	1650	25.0	105
MAY 06...	1500	1770	20.0	103					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATION
 SPECIFIC CONDUCTANCE AND TEMPERATURE
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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MOBILE RIVER BASIN--Continued									
02421000 CATOMA CREEK NEAR MONTGOMERY, AL									
OCT 1998					JUN 1999				
29...	1230	5.3	17.5	261	23...	1605	14	27.5	209
DEC					JUL				
11...	1205	19	14.5	242	21...	1045	79	28.0	162
JAN 1999					SEP				
22...	1525	14	16.5	284	27...	1200	10	22.5	323
APR									
19...	1420	83	17.0	143					
02421115 PINTLALLA CREEK AT LIBERTY CHURCH ROAD NEAR PINTLALLA, AL									
OCT 1998					MAR 1999				
16...	0920	8.1	18.5	--	01...	1315	23	14.0	--
JAN 1999					APR				
08...	1105	6.9	7.0	--	16...	1115	595	18.0	96
31...	1350	1140	14.0	--	AUG				
FEB					25...	1055	11	24.0	106
01...	1335	342	12.0	112					
09...	1410	25	16.5	--					
02422500 MULBERRY CREEK AT JONES, AL									
OCT 1998					MAY 1999				
28...	0935	78	14.0	36	04...	1145	58	20.5	74
DEC					JUN				
07...	1345	104	20.5	43	22...	1000	55	22.5	91
JAN 1999					AUG				
19...	1220	147	11.5	55	12...	1530	93	32.0	50
02423130 CAHABA RIVER AT TRUSSVILLE, AL									
NOV 1998					MAY 1999				
17...	1250	4.0	17.5	219	06...	1215	96	18.5	108
JAN 1999					SEP				
27...	1020	21	11.0	115	21...	1300	.75	22.5	194
02423190 BIG BLACK CREEK (C-8) NEAR LEEDS, AL									
MAR 1999					AUG 1999				
04...	1045	210	10.0	92	30...	1120	1.8	21.5	468
02423380 CAHABA RIVER NEAR MOUNTAIN BROOK, AL									
NOV 1998					MAY 1999				
17...	1020	65	15.5	254	19...	0810	113	21.0	201
JAN 1999					JUL				
27...	0840	289	11.0	127	21...	1000	287	25.5	186
02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL									
NOV 1998					MAY 1999				
18...	1005	14	15.5	416	18...	0820	9.3	19.0	377
JAN 1999					JUL				
26...	1015	39	13.0	352	20...	0930	29	22.0	338
MAR					SEP				
16...	0810	67	11.0	328	22...	1000	5.5	17.5	356
02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL									
NOV 1998					MAY 1999				
18...	1210	19	16.0	426	18...	1030	12	20.0	292
JAN 1999					JUL				
26...	1145	47	13.5	--	20...	1045	38	22.0	356
MAR					SEP				
16...	1015	76	12.5	321	22...	1145	7.7	17.5	408

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATION

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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MOBILE RIVER BASIN--Continued									
02423400 LITTLE CAHABA RIVER NEAR JEFFERSON PARK, AL									
NOV 1998					JUN 1999				
18...	1355	24	16.0	415	23...	1150	22	21.5	409
JAN 1999					JUL				
26...	1345	54	14.0	337	20...	1310	54	23.0	294
MAY					SEP				
18...	1435	16	20.5	407	22...	1415	11	19.0	372
02423425 CAHABA RIVER NEAR CAHABA HEIGHTS, AL									
NOV 1998					JUL 1999				
06...	0940	5.9	14.0	224	08...	1005	324	25.5	180
MAR 1999					AUG				
08...	1325	488	11.5	--	30...	1550	10	24.0	310
MAY									
04...	0915	29	19.5	233					
02423496 CAHABA RIVER NEAR HOOVER, AL									
NOV 1998					MAY 1999				
16...	0950	173	15.0	233	19...	1005	213	22.0	--
JAN 1999					JUL				
15...	1010	340	9.0	169	21...	1210	419	27.0	181
MAR					SEP				
12...	1020	469	12.0	167	01...	0945	12	25.0	300
02423500 CAHABA RIVER NEAR ACTON, AL									
NOV 1998					JAN 1999				
16...	1300	180	16.0	241	27...	1245	320	12.0	149
02423515 PATTON CREEK NEAR BLUFF PARK BELOW PATTON CHAPEL, AL									
JUN 1999									
16...	1520	14	25.5	240					
0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL									
DEC 1998					MAR 1999				
04...	1230	9.9	16.5	--	03...	1320	100	13.5	--
JAN 1999									
06...	1315	31	7.0	--					
02423550 BUCK CREEK AT HELENA, AL									
JUN 1999									
18...	1030	31	24.0	470					
02423555 CAHABA RIVER NEAR HELENA, AL									
NOV 1998					JUL 1999				
05...	1405	42	15.0	423	07...	1420	303	25.5	--
JAN 1999					SEP				
11...	1215	436	6.5	--	08...	1320	77	24.0	367
MAY									
04...	1145	93	20.5	--					
02423601 SHADES CREEK NEAR PARKWOOD, AL									
JUN 1999									
16...	1335	96	23.5	214					
02423630 SHADES CREEK NEAR GREENWOOD, AL									
NOV 1998					MAY 1999				
06...	1230	3.5	13.0	413	04...	1510	22	19.5	262
JAN 1999					JUL				
04...	1010	205	6.0	188	07...	1120	44	25.5	266
MAR					SEP				
05...	1155	176	11.0	169	08...	1540	3.3	23.5	345

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATION

SPECIFIC CONDUCTANCE AND TEMPERATURE

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MOBILE RIVER BASIN--Continued									
02424000 CAHABA RIVER AT CENTREVILLE, AL									
DEC 1998 03...	0950	336	15.0	245	SEP 1999 02...	0935	226	24.5	--
02424590 CAHABA RIVER NEAR SUTTLE, AL									
DEC 1998 07...	1630	616	19.5	193	JUN 1999 21...	1500	911	24.5	180
JAN 1999 19...	1550	1530	12.0	182	AUG 13...	1100	476	31.5	--
MAY 03...	1515	946	22.0	180					
02425000 CAHABA RIVER NEAR MARION JUNCTION, AL									
OCT 1998 28...	1330	539	18.5	189	MAY 1999 04...	0900	1150	21.5	207
DEC 08...	0900	709	19.5	192	JUN 21...	1715	1040	24.0	180
JAN 1999 20...	0900	1620	12.0	197	AUG 13...	1255	625	30.5	190
02427020 BOGUE CHITTO CREEK AT COUNTY ROAD 115 BELOW ORRVILLE, AL									
MAR 1999 08...	1545	225	14.0	159	JUL 1999 21...	1600	43	30.5	149
JUN 23...	1050	71	24.5	156					
02427250 PINE BARREN CREEK NEAR SNOW HILL, AL									
DEC 1998 04...	1130	83	16.0	81	MAY 1999 03...	1200	61	21.5	81
JAN 1999 15...	0940	136	11.5	99	JUN 21...	1100	63	25.5	186
MAR 08...	0950	220	13.5	103	AUG 13...	1515	55	32.0	130
02438000 BUTTAHATCHEE RIVER BELOW HAMILTON, AL									
OCT 1998 27...	1010	66	14.5	21	FEB 1999 11...	0820	458	14.5	31
DEC 17...	0900	275	7.0	34	SEP 02...	0845	36	25.0	36
02446500 SIPSEY RIVER NEAR ELROD, AL									
OCT 1998 28...	1130	74	15.0	135	AUG 1999 04...	1215	101	28.0	100
JUN 1999 01...	0850	210	22.5	--					
02448500 NOXUBEE RIVER NEAR GEIGER, AL									
OCT 1998 06...	1020	73	26.0	132	FEB 1999 11...	1045	790	17.0	143
NOV 30...	1145	96	13.5	144	JUN 03...	1130	163	27.0	202
02448900 BODKA CREEK NEAR GEIGER, AL									
FEB 1999 11...	0805	37	18.0	282	APR 1999 05...	1605	59	24.0	--
02449882 BLUE SPRINGS CREEK NEAR BLOUNTSVILLE, AL									
DEC 1998 14...	1355	1.7	12.0	--	APR 1999 26...	0945	13	17.5	--
FEB 1999 05...	1120	23	12.5	--	AUG 31...	1235	.79	23.5	169

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MOBILE RIVER BASIN--Continued									
02450000 MULBERRY FORK NEAR GARDEN CITY, AL									
OCT 1998 26...	0940	20	14.5	301	FEB 1999 16...	1440	589	9.5	--
DEC 14...	1540	177	12.5	22	APR 26...	1555	214	19.5	--
02450180 MULBERRY FORK NEAR ARKADELPHIA, AL									
DEC 1998 17...	1540	111	8.0	232					
02450250 SIPSEY FORK NEAR GRAYSON, AL									
OCT 1998 27...	1315	3.7	13.5	40	MAY 1999 10...	1430	140	17.5	--
DEC 16...	1540	37	6.5	--	JUL 13...	1425	66	22.5	--
FEB 1999 10...	1325	159	14.0	--	SEP 01...	1110	2.8	23.0	46
02450825 CLEAR CREEK AT NEW HOPE CHURCH NEAR POPLAR SPRINGS, AL									
OCT 1998 27...	1525	26	14.6	31	FEB 1999 10...	1535	328	14.0	31
DEC 16...	1330	106	8.5	--	JUL 14...	1225	101	23.0	--
02453000 BLACKWATER CREEK NEAR MANCHESTER, AL									
DEC 1998 16...	1200	132	9.0	--	SEP 1999 02...	1215	6.6	25.0	270
FEB 1999 11...	1250	275	15.0	--					
02454055 LOST CREEK ABOVE PARRISH, AL.									
OCT 1998 06...	1420	21	18.0	--	AUG 1999 05...	1330	25	27.0	1980
MAY 1999 06...	1720	3360	18.5	--					
02454995 GRAVES CREEK BELOW BLOUNTSVILLE, AL									
OCT 1998 26...	1415	2.1	16.0	682	JUL 1999 15...	1700	9.4	24.0	--
FEB 1999 16...	1040	22	10.0	--	AUG 31...	1345	4.0	22.0	920
APR 26...	1205	12	18.5	--					
02455000 LOCUST FORK NEAR CLEVELAND, AL									
OCT 1998 26...	1305	6.6	17.0	439	APR 1999 26...	1335	174	20.5	142
FEB 1999 16...	1230	622	9.5	138	AUG 31...	1505	17	27.5	316
02455185 BLACKBURN FORK LITTLE WARRIOR RIVER NEAR HOLLY SPRING, AL									
APR 1999 29...	1030	17	19.5	--	AUG 1999 12...	1540	1.6	28.0	199
JUN 24...	1510	12	23.5	137	SEP 07...	1440	1.2	25.0	209
JUL 22...	1220	8.6	26.5	120					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATION

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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MOBILE RIVER BASIN--Continued									
02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL									
OCT 1998 14...	1400	12	17.5	478	APR 1999 20...	1025	29	17.5	294
DEC 10...	1350	13	13.0	314	JUN 17...	1100	26	21.0	308
FEB 1999 18...	1205	88	12.5	249					
02456305 CROOKED CREEK ABOVE MORRIS, AL									
FEB 1999 18...	0950	59	11.0	--	MAR 1999 18...	1115	17	11.5	101
02456500 LOCUST FORK AT SAYRE, AL									
OCT 1998 28...	0840	45	17.0	440	SEP 1999 02...	1515	78	28.5	234
DEC 16...	0840	223	9.5	--					
02456980 FIVEMILE CREEK AT LAWSON ROAD NEAR TARRANT CITY, AL									
OCT 1998 20...	1110	6.9	19.0	350	APR 1999 28...	1540	15	20.0	332
DEC 10...	1125	7.2	13.5	308	SEP 03...	1115	6.9	20.5	310
FEB 1999 18...	1305	32	13.5	319					
02456998 BARTON BRANCH NEAR TARRANT CITY, AL									
OCT 1998 10...	1010	.93	18.0	348	APR 1999 28...	1425	2.2	21.0	--
DEC 10...	1230	1.2	15.5	--	SEP 03...	1020	1.0	19.0	--
FEB 1999 18...	1420	9.7	13.0	--					
02457000 FIVEMILE CREEK AT KETONA, AL									
DEC 1998 10...	1005	8.2	12.0	341	APR 1999 28...	1255	17	19.5	322
FEB 1999 18...	1155	47	12.5	294	SEP 03...	0900	7.9	20.0	296
02457595 FIVEMILE CREEK NEAR REPUBLIC, AL									
OCT 1998 19...	1145	20	21.0	1030	APR 1999 14...	1125	56	17.5	800
DEC 14...	1430	44	13.0	639	JUN 17...	0900	43	22.0	684
FEB 1999 18...	1000	221	12.0	442	AUG 16...	1345	23	26.5	1000
02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE, AL									
OCT 1998 16...	1050	34	17.5	880	APR 1999 19...	1510	89	16.5	581
FEB 1999 17...	1340	364	13.0	434	JUN 16...	1330	123	24.0	300
02458148 VILLAGE CREEK AT 86TH STREET NORTH AT ROEBUCK, AL									
MAR 1999 02...	1000	5.0	16.0	361					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATION
 SPECIFIC CONDUCTANCE AND TEMPERATURE
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
MOBILE RIVER BASIN--Continued									
02458200 VILLAGE CREEK AT APALACHEE STREET IN BIRMINGHAM, AL									
JAN 1999 05...	1245	23	8.5	--	JUL 1999 09...	1430	15	29.0	369
MAR 03...	0730	107	12.0	--	SEP 08...	0840	8.3	23.0	385
MAY 03...	1740	10	24.0	--					
02458300 VILLAGE CREEK AT 24TH STREET AT BIRMINGHAM, AL									
OCT 1998 19...	1020	9.4	21.5	435	FEB 1999 18...	0845	38	12.5	357
02458450 VILLAGE CREEK AT AVENUE W AT ENSLEY, AL									
DEC 1998 15...	1030	34	11.0	489	JUN 1999 16...	0930	54	24.0	400
FEB 1999 16...	1040	28	13.0	436	AUG 16...	0930	17	24.0	415
02458600 VILLAGE CREEK NEAR DOCENA, AL									
DEC 1998 14...	1005	94	16.0	497	JUN 1999 16...	1145	135	24.0	421
FEB 1999 17...	0945	91	16.0	474					
02461500 VALLEY CREEK NEAR BESSEMER, AL									
NOV 1998 03...	1455	44	21.5	598	MAY 1999 03...	1520	72	24.0	594
JAN 1999 12...	0835	100	10.5	521	JUL 12...	1520	104	28.0	431
MAR 02...	1450	98	18.0	500	SEP 07...	1520	44	26.5	497
02461630 HALLS CREEK AT BESSEMER, AL									
NOV 1998 03...	1215	1.5	17.5	428	JUN 1999 28...	1035	467	21.5	--
JAN 1999 12...	1055	11	11.0	438	JUL 12...	1315	8.8	24.0	337
MAR 02...	1215	13	16.0	--	SEP 07...	1335	2.4	23.0	391
02461640 VALLEY CREEK BELOW BESSEMER, AL.									
JAN 1999 12...	1600	99	13.0	519	SEP 1999 07...	1110	40	26.9	466
MAR 02...	0930	81	15.0	489					
02461700 VALLEY CREEK NEAR JOHNS, AL									
JUN 1999 16...	1055	174	24.0	323					
02462000 VALLEY CREEK NEAR OAK GROVE, AL									
OCT 1998 08...	1450	161	23.0	698	APR 1999 07...	1330	271	22.5	--
DEC 02...	1040	106	15.0	--	JUN 02...	1255	130	24.5	510
FEB 1999 04...	1040	623	15.5	--	AUG 06...	1325	103	26.5	772

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATION
 SPECIFIC CONDUCTANCE AND TEMPERATURE
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
MOBILE RIVER BASIN--Continued									
02463800 CEDAR CREEK NEAR PILGRIM CHURCH BELOW BERRY, AL									
DEC 1998					MAY 1999				
16...	1050	5.9	7.5	55	24...	1425	1.4	24.5	58
FEB 1999					JUL				
25...	1410	9.7	8.0	40	13...	1235	2.2	25.5	171
APR									
15...	1120	21	17.5	--					
02464000 NORTH RIVER NEAR SAMANTHA, AL									
OCT 1998					JUN 1999				
02...	1445	6.4	26.0	1090	01...	1235	153	23.5	359
FEB 1999									
03...	1055	1020	12.5	--					
02464146 TURKEY CREEK NEAR TUSCALOOSA, AL									
OCT 1998					MAY 1999				
29...	1110	2.7	13.0	410	27...	0925	3.5	18.0	475
DEC					JUL				
16...	1400	3.6	8.5	306	13...	1020	3.7	22.0	344
FEB 1999					AUG				
25...	1155	8.0	8.0	355	24...	1345	1.3	24.5	518
APR					SEP				
15...	1400	9.5	18.0	--	24...	1140	1.5	15.5	494
02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA, AL									
OCT 1998					JUL 1999				
28...	1445	26	15.0	30	09...	0950	52	24.0	--
JAN 1999					AUG				
20...	1015	76	10.0	57	24...	1010	13	23.5	42
MAY									
24...	1000	31	20.0	39					
02465493 ELLIOTTS CREEK AT MOUNDVILLE, AL									
NOV 1998					MAY 1999				
02...	1120	19	10.5	21	26...	1055	18	20.5	25
DEC					JUL				
21...	1300	32	14.5	20	08...	1315	61	24.0	23
FEB 1999					AUG				
26...	1035	35	10.5	19	25...	1035	17	24.0	25
APR									
13...	1420	30	17.5	23					
02467500 SUCARNOOCHEE RIVER AT LIVINGSTON, AL									
OCT 1998					APR 1999				
06...	1450	125	26.5	58	06...	0830	630	21.0	--
DEC					JUN				
01...	0820	162	14.5	--	04...	1100	201	27.0	54
FEB 1999					AUG				
10...	1355	673	17.5	79	04...	0805	99	28.0	60
02469800 SATILPA CREEK NEAR COFFEEVILLE, AL									
DEC 1998					APR 1999				
03...	1315	36	15.5	147	15...	1145	431	19.5	79
JAN 1999					JUL				
22...	1055	56	17.0	132	30...	0845	24	27.0	--
MAR					SEP				
05...	1015	122	11.5	107	23...	0840	9.1	17.0	152

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATION

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
MOBILE RIVER BASIN--Continued									
02470072 BASSETT CREEK AT US HIGHWAY 43 NEAR THOMASVILLE, AL									
OCT 1998					APR 1999				
08...	0815	37	21.5	51	15...	1445	62	20.5	43
DEC					JUL				
03...	1555	.80	15.5	72	30...	1130	.47	27.5	--
JAN 1999					SEP				
22...	1235	3.8	17.0	117	23...	1020	.02	15.5	74
MAR									
05...	1300	6.9	12.5	29					
0247100550 EIGHTMILE CREEK AT MOBILE, AL									
DEC 1998					JUL 1999				
02...	0810	60	17.0	44	29...	1405	40	26.0	45
MAR 1999					SEP				
04...	0835	53	13.0	43	22...	1255	38	21.0	44
APR									
13...	1805	46	21.0	43					
02471078 FOWL RIVER AT HALF-MILE ROAD NEAR LAURENDINE, AL.									
DEC 1998					APR 1999				
01...	1120	35	17.5	52	13...	1110	26	19.5	46
JAN 1999					JUL				
20...	1015	34	16.5	49	28...	1300	28	25.0	49
MAR					SEP				
03...	1120	33	17.0	49	21...	0845	25	22.5	48
PASCAGOULA RIVER BASIN									
02479431 POND CREEK NEAR DEER PARK, AL									
OCT 1998					APR 1999				
07...	1425	131	24.0	24	15...	0850	4.8	20.5	--
DEC					JUL				
03...	1040	9.5	17.0	20	29...	1755	2.6	31.0	22
JAN 1999					SEP				
22...	0830	12	18.0	21	22...	1645	.33	21.5	23
MAR									
04...	1535	18	13.5	19					
02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS									
DEC 1998					APR 1999				
01...	1450	461	17.0	25	13...	1520	315	23.0	26
JAN 1999					SEP				
20...	1330	394	15.5	26	21...	1120	131	24.5	28
MAR									
03...	1420	706	16.0	26					
02479945 BIG CREEK AT COUNTY ROAD 63 NEAR WILMER, AL									
DEC 1998					JUL 1999				
02...	1220	50	17.0	24	28...	1520	19	26.0	26
JAN 1999					SEP				
20...	1550	40	15.5	25	21...	1330	24	22.5	26
APR									
14...	1225	38	18.5	23					
02479980 CROOKED CREEK NEAR FAIRVIEW, AL.									
DEC 1998					APR 1999				
02...	1005	16	17.0	37	14...	1400	13	20.0	35
JAN 1999					JUL				
21...	1020	13	18.0	36	29...	1155	11	25.5	--
MAR					SEP				
04...	1015	15	12.5	36	22...	1030	8.6	20.0	40

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATION
 SPECIFIC CONDUCTANCE AND TEMPERATURE
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
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PASCAGOULA RIVER BASIN--Continued

02480002 HAMILTON CREEK AT SNOW ROAD NEAR SEMMES, AL.

DEC 1998					APR 1999				
02...	1415	21	19.0	39	14...	0750	16	18.0	35
JAN 1999					JUL				
21...	0855	18	18.5	38	28...	1700	13	25.0	38
FEB					SEP				
23...	1410	17	14.5	--	22...	0915	12	20.0	37

TENNESSEE RIVER BASIN

03574500 PAINT ROCK RIVER NEAR WOODVILLE, AL

OCT 1998					JUN 1999				
08...	1520	309	20.5	314	02...	1110	91	22.0	270
NOV					AUG				
03...	1315	7.3	16.5	--	04...	1155	69	26.0	283
JAN 1999					SEP				
15...	0945	7660	5.5	--	08...	1045	12	21.5	344
MAY									
05...	0930	322	17.5	242					

03575830 INDIAN CREEK NEAR MADISON, AL

OCT 1998					MAY 1999				
09...	1230	5.8	18.5	145	03...	1450	29	18.0	--
NOV					AUG				
04...	0755	2.8	14.5	--	04...	1350	7.8	26.5	234
JAN 1999					SEP				
12...	1615	76	9.5	--	09...	1300	2.1	24.5	234
FEB									
04...	0935	151	11.5	--					

03576250 LIMESTONE CREEK NEAR ATHENS, AL

OCT 1998					MAY 1999				
09...	1015	37	17.5	104	05...	1250	100	19.0	--
NOV					AUG				
04...	0945	18	14.5	122	04...	1545	16	27.5	112
DEC					SEP				
10...	1155	45	11.5	96	08...	1450	12	25.5	115
JAN 1999									
13...	1145	267	10.0	86					

03576500 FLINT CREEK NEAR FALKVILLE, AL

FEB 1999					MAY 1999				
10...	0930	585	15.0	--	05...	1640	39	20.0	--

03577000 WEST FLINT CREEK NEAR OAKVILLE, AL

OCT 1998				
22...	0940	.95	14.5	165

03586500 BIG NANCE CREEK AT COURTLAND, AL

DEC 1998					JUL 1999				
17...	1305	97	9.0	237	13...	1045	346	24.0	106
FEB 1999					AUG				
04...	1250	466	10.5	184	05...	0855	8.6	23.0	343

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

Short-term water-quality data were collected at several surface-water sites in the Mobile River Study Unit of the National Water-Quality Assessment Program. Data collected includes basic water-quality parameters and bed material analyses. Data are for streams located in Alabama, Georgia, and Mississippi.

02397000 COOSA RIVER NEAR ROME, GA

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
SEP 10...	8.1	1.0	12	4300	2	<1	.2	.36	110	69	23
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
SEP 10...	42	3	21	<1	2	4.8	59	39	39	.47	2100
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
SEP 10...	.10	1	52	36	23	.092	1.4	14	.5	.9	.21
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)
SEP 10...	78	.10	2	14	3	3.3	100	37	4	170	<1.00
DATE	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)
SEP 10...	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00	1.90
DATE	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)	
SEP 10...	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
SEP 10...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

02418264 SOUGAHATCHEE CREEK ABOVE REELTOWN, AL

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 11...	8.4	1.1	4.7	590	3	<1	.1	.29	110	100	32
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 11...	38	2	26	<1	3	6.5	54	30	32	.32	5900
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 11...	.07	2	54	37	14	.12	1.0	19	.8	.7	.17
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
AUG 11...	46	.05	1	13	4	4.8	140	40	4	150	
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
AUG 11...	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00
DATE	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
AUG 11...	<1.00	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 11...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

02423581 SHADES CREEK AT SAMFORD UNIVERSITY AT HOMEWOOD, AL

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 19...	5.4	.9	14	360	2	<1	.4	.60	94	83	13
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 19...	28	2	13	<1	2	3.2	49	53	38	.48	1000
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 19...	.08	1	45	26	10	.054	1.1	9	.7	1.0	.16
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
AUG 19...	64	<.05	1	13	3	4.0	76	26	3	160	
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
AUG 19...	<1.00	1.50	<1.00	<1.00	2.00	2.00	<5.00	<5.00	<1.00	<1.00	<1.00
DATE	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
AUG 19...	<1.00	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 19...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

02434000 TOWN CREEK AT TUPELO, MS

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
SEP 15...	7.3	.6	16	490	2	<1	.2	1.3	120	96	13
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NIUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
SEP 15...	49	2	18	<1	2	4.2	66	28	71	.53	1400
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
SEP 15...	.05	1	58	28	23	.11	1.4	11	.7	.8	.29
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	CIS- NONA- CHLOR, SED, BM WS, <2MM DW, REC (UG/KG) (49316)
SEP 15...	130	.06	2	19	2	3.8	110	28	3	120	<1.00
DATE	TRANS- NONA- CHLOR, SED, BM WS, <2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS, <2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS, <2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS, <2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS, <2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS, <2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS, <2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS, <2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS, <2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS, <2MM DW, REC (UG/KG) (49327)	P, P'- DDE, SED, BM WS, <2MM DW, REC (UG/KG) (49328)
SEP 15...	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00	1.10
DATE	O, P'- DDT, SED, BM WS, <2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS, <2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS, <2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS, <2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS, <2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS, <2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS, <2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS, <2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS, <2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS, <2MM DW, REC (UG/KG) (49343)	
SEP 15...	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS, <2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS, <2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P, P'-, SED, BM WS, <2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O, P'-, SED, BM WS, <2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS, <2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS, <2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS, <2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS, <2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS, <2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS, <2MM DW, REC (UG/KG) (49460)	
SEP 15...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
	SEP 15...	5.9	.5	7.8	520	2	<1	.1	.12	95	54
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MA <63U WS FIELD (UG/G) (34905)
	SEP 15...	20	2	14	<1	1	3.3	53	21	35	.22
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
	SEP 15...	.05	1	41	25	28	.049	1.1	8	.4	.9
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)
	SEP 15...	68	<.05	2	12	2	2.7	74	27	3	82
DATE	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)
	SEP 15...	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00
DATE	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	ENDO- DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)	
	SEP 15...	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
	SEP 15...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

02454055 LOST CREEK ABOVE PARRISH, AL

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
	SEP 01...	10	.8	12	770	2	<1	.1	3.6	110	86
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
	SEP 01...	33	2	22	<1	1	4.1	61	26	76	.85
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
	SEP 01...	.07	1	50	49	14	.074	2.4	20	.6	.7
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
	SEP 01...	210	.12	1	14	3	3.4	140	26	3	120
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
	SEP 01...	<1.00	4.00	<1.00	<1.00	1.40	2.30	<5.00	<5.00	<1.00	3.90
DATE	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
	SEP 01...	<1.00	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
	SEP 01...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

02454500 LOCUST FORK BELOW SNEAD, AL

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 18...	5.0	.6	7.7	350	1	<1	.2	.22	68	48	14
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NIUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 18...	14	<1	11	<1	<1	2.2	36	20	30	.21	2000
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 18...	.05	1	29	21	16	.085	.75	5	.5	<.1	.090
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
AUG 18...	44	<.05	1	10	3	2.8	60	21	2	72	
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
AUG 18...	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	1.10	<1.00
DATE	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
AUG 18...	7.70	<2.00	4.10	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 18...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

02461500 VALLEY CREEK NEAR BESSEMER, AL

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
	AUG 18...	5.8	3.3	23	320	1	1	1.3	2.2	96	97
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
	AUG 18...	73	2	13	<1	2	4.7	45	160	41	.76
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
	AUG 18...	.23	5	41	34	11	.10	1.1	9	1.6	1.7
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
	AUG 18...	64	.19	1	13	20	3.8	77	29	4	510
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
	AUG 18...	4.40	13.0	3.30	<1.00	14.0	25.0	<5.70	<5.00	7.40	19.0
DATE	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
	AUG 18...	3.20	7.40	14.0	12.0	<1.00	<3.40	<1.00	<1.30	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
	AUG 18...	<1.00	<1.10	<16.0	<10.0	<1.00	<5.00	<5.00	<200	160	<1.0

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

02463500 HURRICANE CREEK NEAR HOLT, AL

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 20...	7.0	.9	11	430	2	<1	.1	.18	120	63	28
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 20...	24	2	16	<1	2	3.4	59	26	35	.30	2700
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 20...	.04	1	52	36	15	.038	1.2	10	.6	.9	.11
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
AUG 20...	53	<.05	2	17	3	4.1	82	26	3	96	
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
AUG 20...	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00
DATE	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
AUG 20...	<1.00	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 20...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

02465288 CRIBBS MILL CREEK AT GREENSBORO AVENUE IN TUSCALOOSA, AL

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 20...	5.2	.6	8.5	280	1	<1	.2	.33	80	46	8
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NIUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 20...	15	1	11	<1	1	2.6	38	31	21	.23	470
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 20...	.04	1	34	16	16	.041	.70	6	.3	<.1	.072
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
AUG 20...	39	<.05	1	12	3	2.9	60	23	3	88	
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
AUG 20...	<1.00	<1.00	<1.00	<1.00	<1.00	1.60	<5.00	<5.00	<1.00	<1.00	<1.00
DATE	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
AUG 20...	<1.00	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 20...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

02469800 SATILPA CREEK NEAR COFFEEVILLE, AL

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 25...	8.0	.8	20	400	2	<1	.2	.63	160	96	24
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 25...	20	2	16	<1	2	5.4	78	27	35	.53	2400
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 25...	.07	2	68	27	18	.082	.98	15	1.0	.9	.10
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
AUG 25...	86	.05	2	19	3	4.0	120	34	3	110	
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
AUG 25...	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00
DATE	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
AUG 25...	<1.00	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 25...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

02471001 CHICKASAW CREEK NEAR KUSHLA, AL

BED MATERIAL ANALYSIS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ALUM- INUM BOT MAT <63U WS FIELD PERCENT (34790)	ANTI- MONY BOT MAT <63U WS FIELD (UG/G) (34795)	ARSENIC BOT MAT <63U WS FIELD (UG/G) (34800)	BARIUM BOT MAT <63U WS FIELD (UG/G) (34805)	BERYL- LIUM BOT MAT <63U WS FIELD (UG/G) (34810)	BISMUTH BOT MAT <180UWS FIELD (UG/G) (34816)	CADMIUM BOT MAT <63U WS FIELD (UG/G) (34825)	CALCIUM BOT MAT <63U WS FIELD PERCENT (34830)	CERIUM BOT MAT <63U WS FIELD (UG/G) (34835)	CHRO- MIUM BOT MAT <63U WS FIELD (UG/G) (34840)	COBALT BOT MAT <63U WS FIELD (UG/G) (34845)
AUG 26...	3.3	.5	3.8	250	1	<1	<.1	.10	56	32	11
DATE	COPPER BOT MAT <63U WS FIELD (UG/G) (34850)	EURO- PIUM BOT MAT <63U WS FIELD (UG/G) (34855)	GALLIUM BOT MAT <63U WS FIELD (UG/G) (34860)	GOLD BOT MAT <63U WS FIELD (UG/G) (34870)	HOLMIUM BOT MAT <63U WS FIELD (UG/G) (34875)	IRON BOT MAT <63U WS FIELD PERCENT (34880)	LANTHA- NUM BOT MAT <63U WS FIELD (UG/G) (34885)	LEAD BOT MAT <63U WS FIELD (UG/G) (34890)	LITHIUM BOT MAT <63U WS FIELD (UG/G) (34895)	MAGNE- SIUM BOT MAT <63U WS FIELD PERCENT (34900)	MANGA- NESE BOT MAT <63U WS FIELD (UG/G) (34905)
AUG 26...	11	<1	7	<1	<1	1.8	31	17	16	.15	380
DATE	MERCURY BOT MAT <63U WS FIELD (UG/G) (34910)	MOLYB- DENUM BOT MAT <63U WS FIELD (UG/G) (34915)	NEODYM- IUM BOT MAT <63U WS FIELD (UG/G) (34920)	NICKEL BOT MAT <63U WS FIELD (UG/G) (34925)	NIOBIUM BOT MAT <63U WS FIELD (UG/G) (34930)	PHOS- PHORUS BOT MAT <63U WS FIELD PERCENT (34935)	POTAS- SIUM BOT MAT <63U WS FIELD PERCENT (34940)	SCAN- DIUM BOT MAT <63U WS FIELD (UG/G) (34945)	SELE- NIUM BOT MAT <63U WS FIELD (UG/G) (34950)	SILVER BOT MAT <63U WS FIELD (UG/G) (34955)	SODIUM BOT MAT <63U WS FIELD PERCENT (34960)
AUG 26...	.04	1	23	9	11	.020	.53	6	.4	.6	.084
DATE	STRON- TIUM BOT MAT <63U WS FIELD (UG/G) (34965)	SULFUR BOT MAT <63U WS FIELD PERCENT (34970)	TANTA- LUM BOT MAT <63U WS FIELD (UG/G) (34975)	THORIUM BOT MAT <63U WS FIELD (UG/G) (34980)	TIN BOT MAT <63U WS FIELD (UG/G) (34985)	URANIUM BOT MAT <63U WS FIELD (UG/G) (35000)	VANA- DIUM BOT MAT <63U WS FIELD (UG/G) (35005)	YTTRIUM BOT MAT <63U WS FIELD (UG/G) (35010)	YTTER- BIUM BOT MAT <63U WS FIELD (UG/G) (35015)	ZINC BOT MAT <63U WS FIELD (UG/G) (35020)	
AUG 26...	38	<.05	<1	9	2	2.4	44	15	2	41	
DATE	CIS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49316)	TRANS- NONA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49317)	OXY- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49318)	ALDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49319)	CIS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49320)	TRANS- CHLOR- DANE, SED, BM WS,<2MM DW, REC (UG/KG) (49321)	CHLORO- NEB, SED, BM WS,<2MM DW, REC (UG/KG) (49322)	DCPA, SED, BM WS,<2MM DW, REC (UG/KG) (49324)	O, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49325)	P, P'- DDD, SED, BM WS,<2MM DW, REC (UG/KG) (49326)	O, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49327)
AUG 26...	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<1.00	<1.00	<1.00
DATE	P, P'- DDE, SED, BM WS,<2MM DW, REC (UG/KG) (49328)	O, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49329)	P, P'- DDT, SED, BM WS,<2MM DW, REC (UG/KG) (49330)	DIEL- DRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49331)	ENDO- SULFAN I, SED, BM WS,<2MM DW, REC (UG/KG) (49332)	ENDRIN, SED, BM WS,<2MM DW, REC (UG/KG) (49335)	ALPHA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49338)	BETA- BHC, SED, BM WS,<2MM DW, REC (UG/KG) (49339)	HEPTA- CHLOR, SED, BM WS,<2MM DW, REC (UG/KG) (49341)	HEPTA- CHLOR EPOXIDE SED, BM WS,<2MM DW, REC (UG/KG) (49342)	BENZENE HEXA- CHLORO- SED, BM WS,<2MM DW, REC (UG/KG) (49343)
AUG 26...	<1.00	<2.00	<2.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
DATE	ISODRIN SED, BM WS,<2MM DW, REC (UG/KG) (49344)	LINDANE SED, BM WS,<2MM DW, REC (UG/KG) (49345)	METHOXY CHLOR P,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49346)	METHOXY CHLOR, O,P'-, SED, BM WS,<2MM DW, REC (UG/KG) (49347)	MIREX, SED, BM WS,<2MM DW, REC (UG/KG) (49348)	CIS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49349)	TRANS- PER- METHRIN SED, BM WS,<2MM DW, REC (UG/KG) (49350)	TOXA- PHENE SED, BM WS,<2MM DW, REC (UG/KG) (49351)	PCB, SED, BM WS,<2MM DW, REC (UG/KG) (49459)	PENTA- CHLORO- ANISOLE SED, BM WS,<2MM DW, REC (UG/KG) (49460)	
AUG 26...	<1.00	<1.00	<5.00	<5.00	<1.00	<5.00	<5.00	<200	<50	<1.0	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

Short-term water quality data were collected at several surface-water sites in the Lower Tennessee River Study Unit of the National Water-Quality Assessment Program. Data collected include basic water-quality parameters, volatile organic parameters, pesticide parameters, and bed material analyses.

03574750 WEST FORK FLINT RIVER NEAR HAZEL GREEN, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARDS) (UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM HG) (00025)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, SATUR-ATION (00301)	COLI-FORM, FECAL, (PER-0.7 UM-MF (COLS./100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL /100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
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MAY 12...	0830	24	76	7.7	18.5	742	3	10.6	116	70	100	31
SEP 09...	0900	2.3	83	7.9	21.5	741	--	5.5	64	E1500	E1300	40

DATE	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
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MAY 12...	8	9.4	1.7	1.4	9	.1	1.3	27	22	3.6	3.5	<.10
SEP 09...	9	12	2.3	1.1	6	.1	1.1	37	30	1.4	2.6	<.10

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
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MAY 12...	4.8	63	44	.09	<.010	1.05	<.020	E.10	.14	1.2	<.004
SEP 09...	6.7	56	49	.08	<.010	.644	<.020	E.10	.17	.81	.015

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ALA-CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO-CHLOR, WATER, FLTRD, REC (UG/L) (49260)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC, DIS-SOLVED (UG/L) (34253)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)
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MAY 12...	.011	<.010	24	7.7	1.7	<.20	<.002	.0118	1.13	<.0020	<.0020
SEP 09...	.004	<.010	10	29	1.7	<.20	<.002	<.0020	.021	<.0020	<.0020

DATE	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN, DIS-SOLVED (UG/L) (39381)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METRI-BUZIN, SENCOR WATER DISSOLV (UG/L) (82630)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	P, P' DDE DISSOLV (UG/L) (34653)
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MAY 12...	<.0040	<.0040	E.157	<.002	<.001	<.0030	<.004	<.005	<.004	.257	<.0060
SEP 09...	<.0040	<.0040	E.0362	<.002	<.003	<.0030	<.004	<.005	<.004	.020	<.0060

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03574750 WEST FORK FLINT RIVER NEAR HAZEL GREEN, AL—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PARA- THION, DIS- SOLVED (UG/L) (39542)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
MAY 12...	<.004	<.0070	.0260	.0128	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
SEP 09...	<.004	<.0070	E.0041	E.0041	<.0020	<.0030	<.0080	<.0020	<.0030	<.0170	<.0040
DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
MAY 12...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
SEP 09...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
DATE	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY 12...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	5	76
SEP 09...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	6	95

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03574794 MOUNTAIN FORK CREEK AT NEW MARKET, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, UM-MF UREAASE (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREAASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	
MAY 12...	1430	45	298	7.9	20.5	745	3	8.8	100	K40	76	140	
SEP 08...	1630	6.3	228	7.4	24.0	739	--	6.7	82	K220	K160	100	
DATE	TIME	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) (00925)	SODIUM, DIS-SOLVED (MG/L) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L) (00950)	
MAY 12...	8	46	5.6	1.2	2	.0	3.1	159	130	5.1	7.0	<.10	
SEP 08...	17	29	6.6	1.3	3	.1	9.1	102	83	2.4	12	<.10	
DATE		SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
MAY 12...	5.8	181	161	.25	1.61	.104	1.72	.471	1.7	1.8	3.5	<.050	
SEP 08...	7.1	136	139	.18	3.23	.432	3.66	1.02	1.7	1.7	5.4	1.44	
DATE		PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ALA-CHLOR, WATER DISS, REC. (UG/L) (46342)	ACETO-CHLOR, WATER FLTRD REC. (UG/L) (49260)	ATRA-ZINE, WATER DISS, REC. (UG/L) (39632)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	BUTYL-ATE, WATER DISS, REC. (UG/L) (04028)	
MAY 12...	.360	.209	11	32	1.9	.20	<.002	<.0020	.155	<.0020	<.0020	<.0020	
SEP 08...	1.37	1.05	23	16	2.0	<.20	<.002	<.0020	.014	<.0020	<.0020	<.0020	
DATE		CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER DISS, REC. (UG/L) (04041)	DEETHYL ATRA-ZINE, WATER DISS, REC. (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	FONOFOS WATER DISS REC. (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	P,P' DDE DISSOLV (UG/L) (34653)	
MAY 12...	<.0040	<.0040	E.0400	<.002	<.001	<.0030	<.004	4.84	<.004	.008	<.0060		
SEP 08...	<.0040	<.0040	E.0199	<.002	<.001	<.0030	<.004	<.005	<.004	<.002	<.0060		

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03574794 MOUNTAIN FORK CREEK AT NEW MARKET, AL-Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM HG) (00025)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (PER-CENT) (00300)	OXYGEN, DIS-SOLVED (PER-SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL AS CACO3 (MG/L) (00900)	
MAY 12...	1430	45	298	7.9	20.5	745	3	8.8	100	K40	76	140	
SEP 08...	1630	6.3	228	7.4	24.0	739	--	6.7	82	K220	K160	100	
DATE	TIME	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	
MAY 12...	8	46	5.6	1.2	2	.0	3.1	159	130	5.1	7.0	<.10	
SEP 08...	17	29	6.6	1.3	3	.1	9.1	102	83	2.4	12	<.10	
DATE		SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
MAY 12...	5.8	181	161	.25	1.61	.104	1.72	.471	1.7	1.8	3.5	<.050	
SEP 08...	7.1	136	139	.18	3.23	.432	3.66	1.02	1.7	1.7	5.4	1.44	
DATE		PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ALA-CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO-CHLOR, WATER, FLTRD, REC (UG/L) (49260)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC, DIS-SOLVED (UG/L) (34253)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	
MAY 12...		.360	.209	11	32	1.9	.20	<.002	<.0020	.155	<.0020	<.0020	
SEP 08...		1.37	1.05	23	16	2.0	<.20	<.002	<.0020	.014	<.0020	<.0020	
DATE		CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METRI-BUZIN, SENCOR WATER DISSOLV (UG/L) (82630)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	P, P' DDE DISSOLV (UG/L) (34653)	
MAY 12...		<.0040	<.0040	E.0400	<.002	<.001	<.0030	<.004	4.84	<.004	.008	<.0060	
SEP 08...		<.0040	<.0040	E.0199	<.002	<.001	<.0030	<.004	<.005	<.004	<.002	<.0060	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03574823 BRIER FORK NEAR HAZEL GREEN, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM HG) (00025)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (PER-CENT) (00300)	OXYGEN, DIS-SOLVED (PER-SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CAC03) (00900)	
MAY 12...	1600	22	64	7.4	21.5	742	6	8.9	104	91	96	24	
SEP 07...	1445	.53	68	7.9	30.0	740	6	8.9	122	70	26	29	
DATE	TIME	HARD-NESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3 CAC03) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CAC03) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	
MAY 12...	7	7.1	1.6	1.2	9	.1	1.2	21	17	1.6	3.7	<.10	
SEP 07...	3	8.5	2.0	1.1	8	.1	.51	32	26	.62	2.4	<.10	
DATE		SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-PT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, PHOS-PHORUS TOTAL (MG/L AS P) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
MAY 12...	5.6	61	38	.08	--	<.010	1.33	.026	.15	.25	1.6	.022	
SEP 07...	5.8	41	40	.06	.744	.013	.757	.073	.21	.28	1.0	.038	
DATE		PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO-CHLOR, WATER, FLTRD, REC (UG/L) (49260)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC, DIS-SOLVED (UG/L) (34253)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	
MAY 12...	.016	<.010	120	31	2.7	<.20	<.002	.0066	1.66	<.0020	<.0020		
SEP 07...	.013	<.010	51	80	1.6	.20	<.002	<.0020	.006	<.0020	<.0020		
DATE		CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN, DIS-SOLVED (UG/L) (39381)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	P,P' DDE DISSOLV (UG/L) (34653)	
MAY 12...	<.0040	.0064	E.191	<.002	<.001	<.0030	<.004	<.005	<.004	.261	<.0060		
SEP 07...	<.0040	<.0040	E.0120	<.002	<.001	<.0030	<.004	<.005	<.004	.007	<.0060		

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03574823 BRIER FORK NEAR HAZEL GREEN, AL-Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PARA- THION, DIS- SOLVED (UG/L) (39542)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BEN- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82673)	CAR- BARYL WATER FLTRD 0.7 U (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U (UG/L) (82674)	DCPA WATER FLTRD 0.7 U (UG/L) (82682)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U (UG/L) (82660)	DISUL- FOTON WATER FLTRD 0.7 U (UG/L) (82677)	ETHAL- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82663)
MAY 12...	<.004	<.0070	<.0180	.0071	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
SEP 07...	<.004	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PFB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
MAY 12...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
SEP 07...	<.0030	<.0020	<.0020	E.0080	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
DATE	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY 12...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	7	86
SEP 07...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	42	94

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03574870 BEAVERDAM CREEK NEAR MERIDIANVILLE, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE OF (MM HG) (00025)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARD-NESS TOTAL (MG/L AS CAC03) (00900)
MAY 12...	0815	39	177	7.2	18.5	746	7	8.2	89	140	160	82
SEP 08...	1230	2.4	252	7.3	16.5	741	1	7.4	78	K130	110	130
DATE		HARD-NESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS-IT (MG/L AS HCO3 CAC03) (00453)	ALKA-LINITY WAT DIS TOT IT (MG/L AS CAC03) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
MAY 12...	12	28	3.2	1.4	4	.1	.94	85	70	2.1	3.7	<.10
SEP 08...	13	44	5.1	1.4	2	.1	.50	143	118	2.5	3.0	<.10
DATE		SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
MAY 12...		6.1	113	95	.15	<.010	1.73	.020	.15	.25	2.0	.030
SEP 08...		8.3	150	145	.20	<.010	2.25	<.020	E.10	E.08	--	.018
DATE		PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO-CHLOR, WATER, FLTRD REC (UG/L) (49260)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC, DIS-SOLVED (UG/L) (34253)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)
MAY 12...		.010	<.010	62	27	2.5	.20	<.002	<.0020	.232	<.0020	<.0020
SEP 08...		.014	.017	<10	13	.40	<.20	<.002	<.0020	.056	<.0020	<.0020
DATE		CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN, DIS-SOLVED (UG/L) (39381)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	P,P' DDE DISSOLV (UG/L) (34653)
MAY 12...		<.0040	<.0040	E.0712	<.002	<.001	<.0030	<.004	<.005	<.004	.122	<.0060
SEP 08...		<.0040	<.0040	E.0717	<.002	<.003	<.0030	<.004	<.005	<.004	E.003	<.0060

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03574870 BEAVERDAM CREEK NEAR MERIDIANVILLE, AL—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PARA- THION, DIS- SOLVED (UG/L) (39542)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BEN- FLUR- ALIN WAT FLD GF, REC (UG/L) (82673)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
MAY 12...	<.004	<.0070	<.0180	E.0041	<.0020	<.0030	E.0145	<.0020	<.0030	<.0170	<.0040
SEP 08...	<.004	<.0070	<.0180	E.0044	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040
DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
MAY 12...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
SEP 08...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0040	<.0050	<.0020
DATE	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY 12...	<.0030	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	8	91
SEP 08...	<.0030	<.0040	<.0200	E.0063	<.0070	<.0130	<.0010	<.0020	<.0020	7	73

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03575830 INDIAN CREEK NEAR MADISON, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (MG/L) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
MAY 17...	1045	44	226	8.0	19.0	753	7	8.6	94	260	200
SEP 14...	0745	3.9	226	8.0	21.5	747	6	6.7	78	420	--
DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
MAY 17...	110	12	36	4.4	1.7	3	.1	.58	117	96	3.4
SEP 14...	110	7	36	4.9	1.9	4	.1	1.4	124	102	1.6
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAY 17...	4.4	<.10	5.4	124	119	.17	<.010	1.32	<.020	<.10	<.10
SEP 14...	5.2	<.10	7.6	124	122	.17	<.010	.615	<.020	.14	.14
DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	
MAY 17...	--	.008	.009	.013	E9.4	17	1.0	.20	13	87	
SEP 14...	.75	.015	.012	<.010	<10	29	1.4	.30	--	--	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03576207 LIMESTONE CREEK NEAR TONEY, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM HG) (00025)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL /100 ML) (31633)	
MAY 11...	0915	22	85	7.3	18.0	746	4	8.0	86	80	94	
SEP 14...	1000	1.3	93	7.6	20.0	744	1	7.0	79	--	--	
DATE		HARD-NESS TOTAL (MG/L AS CAC03) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD HCO3 (MG/L AS) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD CAC03 (MG/L AS) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
MAY 11...	31	6	9.5	1.7	1.9	11	.2	3.8	30	25	1.7	
SEP 14...	42	5	13	2.2	1.1	5	.1	.80	45	37	1.2	
DATE		CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
MAY 11...	4.7	<.10	5.4	79	51	.11	1.44	.046	1.49	.223	.49	
SEP 14...	2.5	<.10	6.1	53	52	.07	--	<.010	.516	<.020	.15	
DATE		NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY 11...	.53	2.0	.152	.127	.116	130	15	3.6	.40	6	73	
SEP 14...	.15	.67	.017	.010	<.010	28	29	1.3	<.20	--	--	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 NATIONAL WATER-QUALITY ASSESSMENT PROGRAM
 LOWER TENNESSEE RIVER STUDY UNIT
 03576226 LITTLE LIMESTONE CREEK NEAR TONEY, AL
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
MAY 11...	1145	35	67	7.2	18.5	748	3	8.8	96	190	190
SEP 14...	1215	.81	94	7.3	21.5	743	2	6.5	76	--	--
DATE	HARD-NESS TOTAL (MG/L AS CAC03) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CAC03 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
MAY 11...	26	7	8.2	1.3	1.4	10	.1	1.2	23	19	2.1
SEP 14...	39	5	13	1.9	1.3	7	.1	1.2	42	34	1.8
DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAY 11...	3.6	<.10	5.2	49	39	.07	<.010	.984	.065	.16	.15
SEP 14...	3.2	<.10	6.4	52	52	.07	<.010	.737	<.020	.12	.16
DATE	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	
MAY 11...	1.1	.032	.021	.031	63	13	1.8	.20	4	77	
SEP 14...	.90	.024	.008	<.010	88.0	43	1.0	.20	--	--	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03576405 PINEY CREEK NEAR ATHENS, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TUR-BID-ITY FIELD WATER UNFLT/RTD (NTU) (61028)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	E. COLI WATER WHOLE UREASE (COL /100 ML) (31633)	
MAY 11...	1500	49	68	7.3	21.0	747	4	7.8	89	110	74	
SEP 13...	1530	3.2	93	7.3	22.5	747	1	6.3	74	--	--	
DATE		HARD-NESS TOTAL (MG/L AS CAC03) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO PERCENT (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CAC03) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	
MAY 11...	26	6	8.0	1.5	1.5	11	.1	1.2	25	20	2.5	
SEP 13...	42	6	13	2.5	1.4	7	.1	.93	44	36	.87	
DATE		CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAY 11...	3.1	<.10	5.3	54	39	.06	<.010	.796	.072	.17	.21	
SEP 13...	3.0	<.10	6.5	54	54	.07	<.010	1.08	<.020	.15	.13	
DATE		NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	
MAY 11...	1.0	.030	.017	.028	83	20	2.0	.20	6	93		
SEP 13...	1.2	.013	.009	<.010	10	35	1.2	.20	--	--		

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
NATIONAL WATER-QUALITY ASSESSMENT PROGRAM
LOWER TENNESSEE RIVER STUDY UNIT
03577280 SWAN CREEK NEAR TANNER CROSSROAD, AL
WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	
MAY 13...	0900	66	227	7.8	19.0	747	10	8.9	98	--	--	
SEP 13...	1245	7.3	512	8.8	25.0	747	2	8.0	99	140	110	
DATE		HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	
MAY 13...	75	13	24	3.4	10	22	.5	3.5	75	62	8.3	
SEP 13...	110	45	37	5.6	45	43	2	11	85	70	17	
DATE		CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
MAY 13...	18	.14	4.5	130	119	.18	1.75	.017	1.77	.028	.25	
SEP 13...	76	.58	5.2	276	276	.38	6.66	.095	6.75	.050	.68	
DATE		NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY 13...	.39	2.2	<.548	.560	.465	20	25	3.0	.40	13	82	
SEP 13...	.73	7.5	3.65	2.71	2.40	E6.5	11	4.3	.40	--	--	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03577490 ROUND ISLAND CREEK NEAR LAWSON, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
MAY 17...	1445	23	99	7.6	23.0	752	5	8.9	105	190	140
SEP 13...	1045	.66	144	7.6	22.5	746	2	5.4	64	110	K75
DATE	HARD-NESS TOTAL (MG/L AS CAC03) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CAC03 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
MAY 17...	40	8	11	2.9	1.6	8	.1	1.1	39	32	2.5
SEP 13...	63	6	17	5.0	2.0	6	.1	1.7	70	57	2.3
DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAY 17...	4.9	<.10	4.9	58	54	.08	<.010	1.19	.028	.13	.15
SEP 13...	5.4	<.10	3.6	83	72	.11	<.010	.196	<.020	.20	.24
DATE	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	
MAY 17...	1.3	.012	.010	.015	37	37	2.0	.30	5	81	
SEP 13...	.44	.015	.007	<.010	23	47	2.5	.20	--	--	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 NATIONAL WATER-QUALITY ASSESSMENT PROGRAM
 LOWER TENNESSEE RIVER STUDY UNIT
 03586240 MUDDY FORK NEAR MOULTON, AL
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM HG) (00025)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL /100 ML) (31633)	
MAY 17...	1400	9.6	285	8.1	23.0	748	4	8.5	101	48	K17	
SEP 13...	1430	.10	374	7.6	22.5	748	2	1.8	21	K38	--	
DATE		HARD-NESS TOTAL (MG/L AS CAC03) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO PERCENT (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CAC03) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	
MAY 17...	140	11	51	3.9	6.8	9	.2	1.4	162	133	16	
SEP 13...	130	5	46	4.6	23	26	.9	4.6	156	128	16	
DATE		CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA, DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
MAY 17...	6.9	.12	2.9	178	170	.24	.293	.010	.303	.041	.15	
SEP 13...	25	.26	3.3	214	199	.29	--	<.010	<.050	<.020	.45	
DATE		NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	
MAY 17...	<.10	.038	.042	.030	.030	E9.3	30	2.6	.20	4	78	
SEP 13...	.50	.047	.032	<.010	<.010	17	51	6.1	.40	--	--	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03586400 CLEAR FORK BELOW MASTERSON MILL, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	
MAY 17...	1100	5.3	94	7.8	22.5	748	7	6.6	78	130	120	
SEP 13...	1200	.10	136	7.1	24.5	749	4	1.7	21	<3	--	
DATE		HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	ALKA- LITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
MAY 17...	44	3	15	1.6	1.8	8	.1	1.8	51	42	3.6	
SEP 13...	58	11	20	1.9	2.0	7	.1	2.0	57	46	7.4	
DATE		CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	
MAY 17...	3.8	<.10	3.0	58	57	.08	<.010	.241	.041	.26		
SEP 13...	4.7	.10	2.5	85	69	.12	<.010	<.050	.124	.43		
DATE		NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN (70331)	
MAY 17...	E.06	.017	.013	<.010	60	44	4.4	.40	8	84		
SEP 13...	.47	.030	.006	<.010	45	479	3.5	.30	--	--		

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03587378 MUD CREEK NEAR OLD BETHEL, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE UREASE (COL / 100 ML) (31633)	
MAY 18...	0800	5.4	293	8.0	21.0	748	4	6.6	76	K330	330	
SEP 14...	0800	.10	306	7.4	21.0	750	2	2.0	23	280	--	
DATE		HARD-NESS TOTAL (MG/L AS CAC03) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CAC03) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
MAY 18...	160	7	58	4.1	2.9	4	.1	.99	188	154	9.4	
SEP 14...	140	3	47	6.9	6.1	8	.2	3.3	172	141	3.6	
DATE		CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAY 18...	4.9	<.10	2.3	185	177	.25	<.010	.331	.027	.15	.17	
SEP 14...	9.5	.17	4.0	175	165	.24	<.010	<.050	<.020	.46	.53	
DATE		NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	
MAY 18...	.50	.013	.007	<.010	<10	17	2.0	.30	11	75		
SEP 14...	--	.026	.013	<.010	14	45	7.6	.20	--	--		

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03590450 SPRING CREEK NEAR TUSCUMBIA, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (MG/L) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	
MAY 17...	1800	20	287	7.9	21.5	754	4	8.5	97	96	99	
DATE	TIME	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
MAY 17...	140	11	50	2.8	3.2	5	.1	1.3	153	125	8.1	
DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
MAY 17...	5.4	<.10	6.4	170	157	.23	1.02	.010	1.03	.022	.12	
DATE	TIME	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN (062 MM) (70331)	
MAY 17...	E.09	.011	.005	<.010	15	53	1.8	.20	6	71		

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 NATIONAL WATER-QUALITY ASSESSMENT PROGRAM
 LOWER TENNESSEE RIVER STUDY UNIT
 03590550 LITTLE BEAR CREEK NEAR TUSCUMBIA, AL
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM HG) (00025)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED SATUR-ATION (PER-CENT) (00301)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31625)	E. COLI WHOLE TOTAL UREASE (COL /100 ML) (31633)
MAY 17...	1630	18	195	7.9	22.5	751	5	5.5	65	K28	54
DATE	TIME	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CaCO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	SODIUM AD-SORP-TION RATIO (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD CAC03 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
MAY 17...	96	4	34	2.6	2.6	5	.1	1.1	112	92	7.3
DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
MAY 17...	3.1	<.10	5.3	111	112	.15	<.010	.162	<.020	<.10	
DATE	TIME	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY 17...	<.10	<.004	<.004	<.010	22	38	1.7	<.20	6	86	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

03590646 SINKING CREEK BELOW WOODLAND, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (PER-CENT) (00300)	OXYGEN, DIS-SOLVED (MG/L) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	
MAY 18...	0830	28	256	7.4	17.5	756	4	6.5	69	84	70	
SEP 14...	1245	3.2	318	7.2	17.5	755	1	7.9	83	K31	--	
DATE		HARD-NESS TOTAL (MG/L AS CAC03) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CAC03) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
MAY 18...	120	3	46	1.7	1.3	2	.1	1.4	144	118	1.4	
SEP 14...	170	12	63	2.1	1.5	2	.1	1.0	187	154	1.3	
DATE		CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAY 18...	3.4	<.10	6.7	164	139	.22	<.010	1.36	.022	E.10	E.08	
SEP 14...	3.4	<.10	8.5	177	180	.24	<.010	1.82	<.020	E.10	.11	
DATE		NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	
MAY 18...	--	.028	.028	.027	.021	17	13	1.6	<.20	6	82	
SEP 14...	1.9	.028	.028	.026	.011	<10	14	.50	<.20	--	--	

GROUND-WATER LEVELS

MONTGOMERY COUNTY

322047086214301. Local number, Mtg-3.

LOCATION.--Lat 32°20'47", long 86°21'43", Hydrologic Unit 03150201, in SE 1/4 sec. 21, T. 16 N., R. 17 E., at Lomax School on Hayneville Road, 0.5 mi northeast of intersection with U.S. Highway 31, and 4.5 mi southwest of Montgomery.

Owner: County of Montgomery.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 270 ft, screened 210 to 215 ft, 220 to 225 ft, 265 to 270 ft.

DATUM.--Elevation of land-surface datum is 167.2 ft. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by pumping nearby wells.

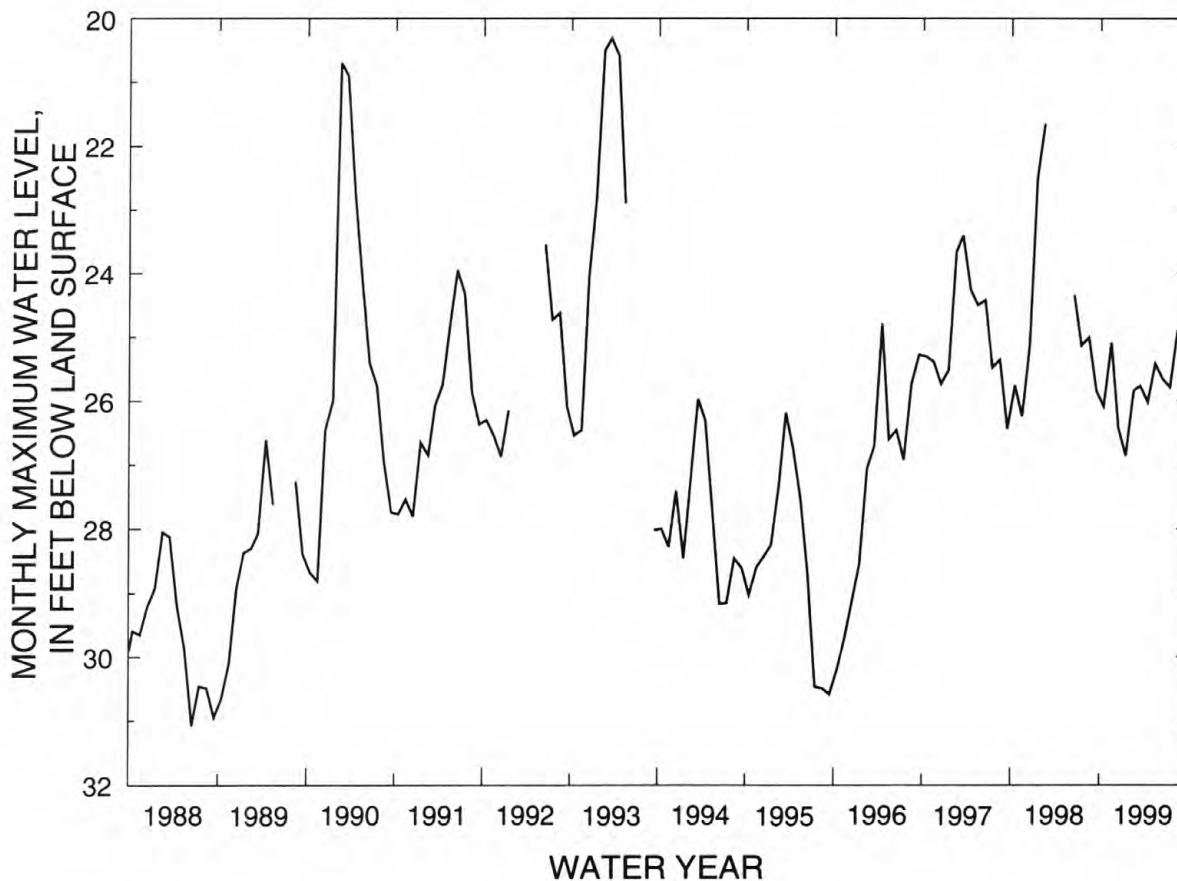
PERIOD OF RECORD.--August 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.9 ft below land-surface datum, Mar. 17, 1968; lowest, 31.3 ft below land-surface datum, Oct. 1, 1955.

EXTREMES FOR CURRENT YEAR.--Highest water level, 23.05 ft below land-surface datum, Aug. 10; lowest, 26.86 ft below land-surface datum, Jan. 10.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.03	24.99	25.15	26.30	25.51	25.70	24.08	25.30	24.80	25.73	24.81	24.45
10	25.71	24.70	25.17	26.86	24.88	25.03	24.50	24.90	25.45	25.25	23.19	23.71
15	24.69	24.10	25.53	26.08	25.26	25.30	25.72	25.27	24.88	24.08	24.33	24.89
20	24.56	24.28	25.74	26.59	25.66	25.22	25.36	25.17	24.95	24.47	24.64	25.18
25	24.24	24.59	26.30	25.97	24.66	25.13	25.99	24.79	25.07	24.14	24.56	25.47
EOM	24.54	25.03	26.42	26.20	24.84	25.34	25.50	24.65	24.76	24.16	24.28	25.58
MEAN	24.97	24.62	25.61	26.34	25.22	25.27	25.16	25.14	25.00	24.63	24.40	24.76
MAX	26.09	25.09	26.42	26.86	25.84	25.77	26.02	25.42	25.66	25.79	24.90	25.61
MIN	24.15	23.99	24.82	25.66	24.61	24.75	23.93	24.65	24.32	23.92	23.19	23.58
WTR YR 1999	MEAN 25.09		HIGH 23.19		AUG 10		LOW 26.86		JAN 10			



GROUND-WATER LEVELS

ST. CLAIR COUNTY

333639086310700. Local number, D-3.

LOCATION.--Lat 33°36'39", long 86°31'10", in NE¹/₄SE¹/₄ sec. 27, T. 16 S., R. 1 E., St. Clair County, Hydrologic Unit 03150202, in Acmar Landfill, off Acmar Road, about 1 mi north of intersection with County Road 10, 0.5 mi southwest of Acmar, and 4 mi north of Leeds.

Owner: Acmar Landfill.

AQUIFER.--Spoil of Pottsville Formation of Early and Middle Pennsylvanian age. Spoil used to cover landfill.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 60 ft, cased to 32 ft, open hole below casing.

DATUM.--Elevation of land-surface datum is 606 ft. Measuring point: Arrow on top of casing at elevation 610.81 ft above mean sea level.

REMARKS.--Alabama Department of Environmental Management observation well D-3.

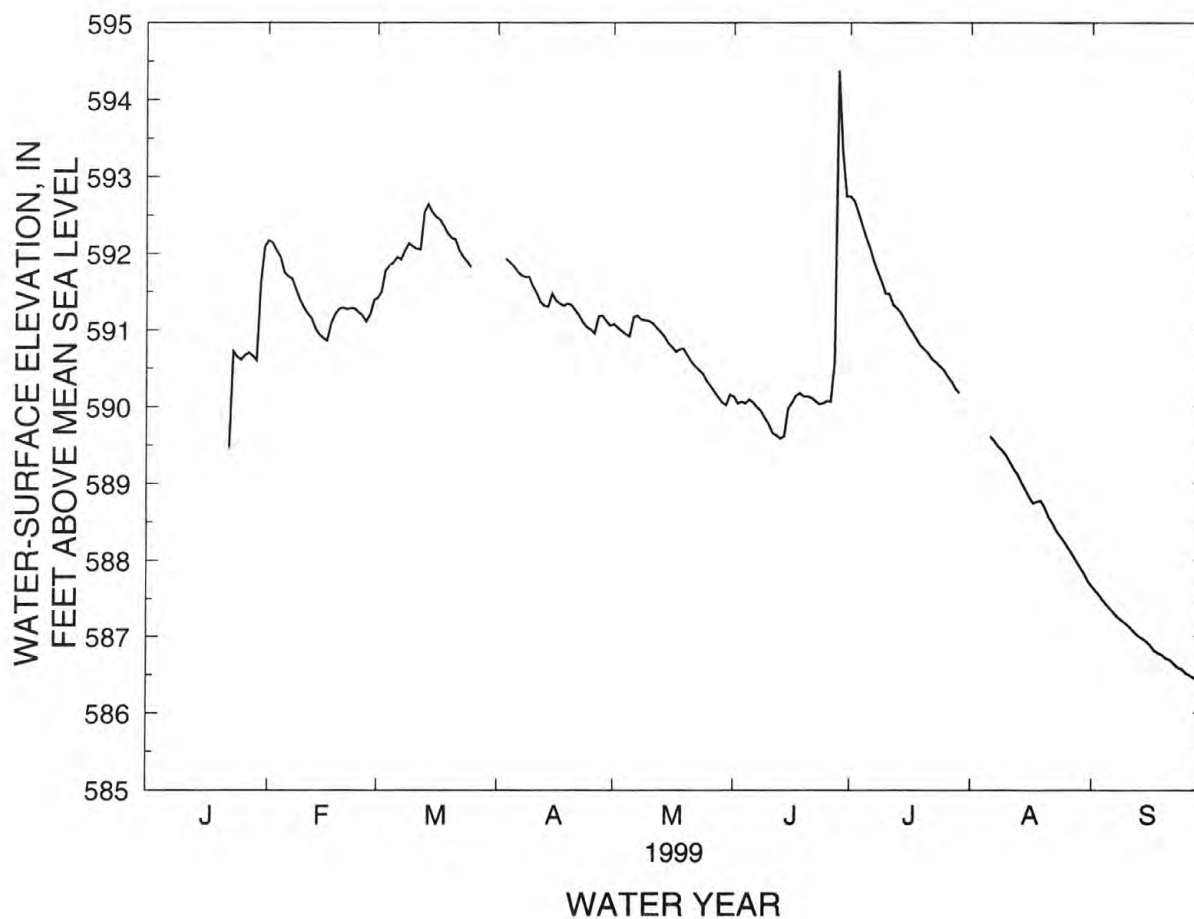
PERIOD OF RECORD.--January 21, 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 594.38 ft mean sea level, June 28, 1999; lowest, 586.38 ft mean sea level, Sept. 30, 1999.

EXTREMES FOR CURRENT YEAR.--Highest water level, 594.38 ft mean sea level, June 28; lowest, 586.38 ft mean sea level, Sept. 30.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	591.75	591.88	591.83	590.91	590.09	592.20	---	587.41
10	---	---	---	---	591.29	592.09	591.57	591.11	589.77	591.47	589.37	587.16
15	---	---	---	---	590.89	592.54	591.47	590.82	589.97	591.12	588.92	586.93
20	---	---	---	---	591.29	592.20	591.32	590.66	590.13	590.74	588.68	586.71
25	---	---	---	590.61	591.19	591.82	591.00	590.33	590.07	590.47	588.24	586.52
EOM	---	---	---	592.09	591.39	---	591.05	590.15	592.74	---	587.73	586.40
MEAN	---	---	---	---	591.37	---	---	590.71	590.35	---	---	586.94
MAX	---	---	---	---	592.17	---	---	591.18	594.38	---	---	587.66
MIN	---	---	---	---	590.86	---	---	590.02	589.58	---	---	586.40



GROUND-WATER LEVELS

TUSCALOOSA COUNTY

333204087324601. Local number, TW-5.

LOCATION.--Lat 33°32'04", long 87°32'46", in SE¹/₄ sec. 26, T. 17 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, at dirt road 3.2 mi north of junction with Windham Springs Road, 4.2 mi northwest of Windham Springs, and 21 mi north of Tuscaloosa.

Owner: Champion Paper Company.

AQUIFER.--Pottsville Formation of Early and Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 60 ft, cased to 32 ft, open hole below casing.

DATUM.--Elevation of land-surface datum is 519 ft. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--National network well.

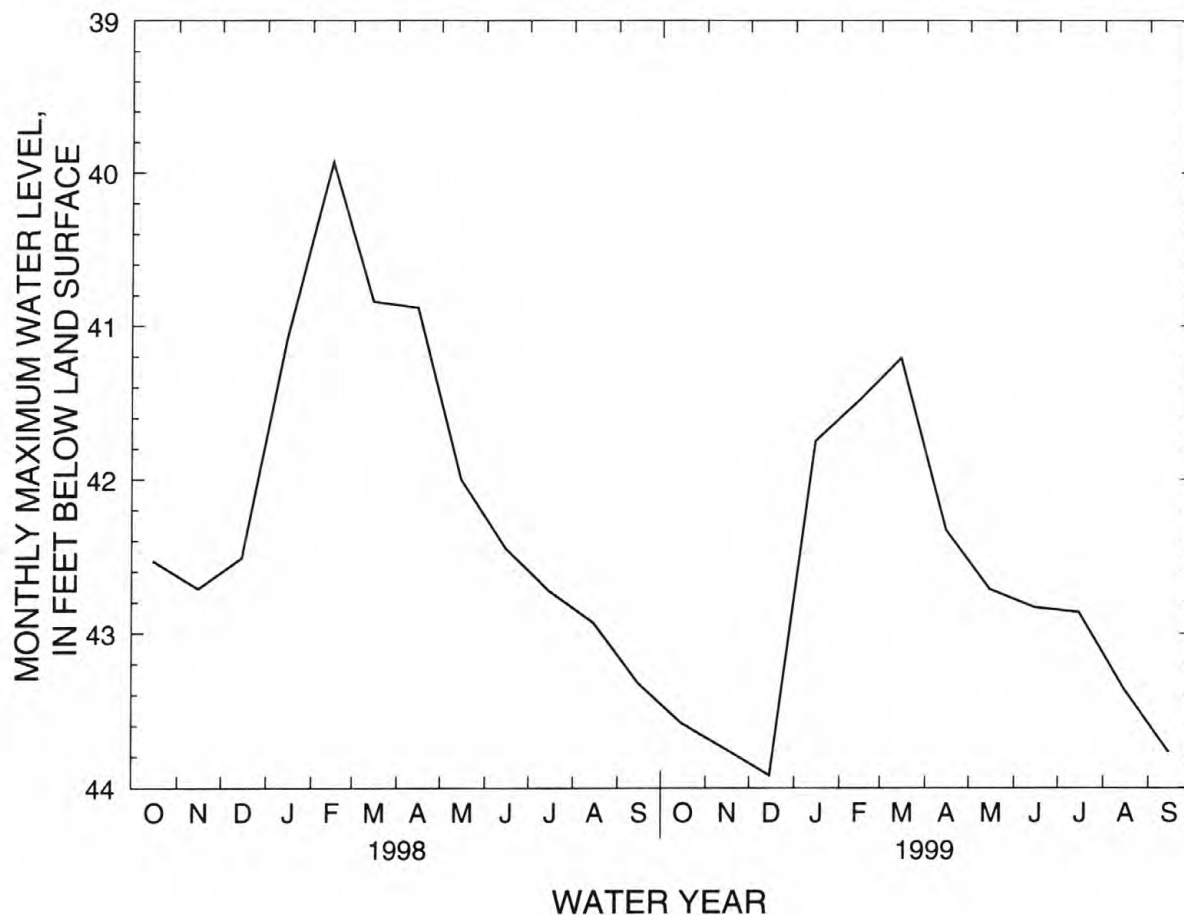
PERIOD OF RECORD.--May 1979 to January 1985, October 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 31.30 ft below land-surface datum, Apr. 14, 1980; lowest, 43.92 ft below land-surface datum, Dec. 22, 1998.

EXTREMES FOR CURRENT YEAR.--Highest water level, 32.99 ft below land-surface datum, Feb. 1, 2; lowest, 43.92 ft below land-surface datum, Dec. 22.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	43.42	43.64	43.74	40.85	35.93	39.11	41.29	42.27	42.70	42.56	42.93	43.35
10	43.35	43.64	43.86	40.10	38.98	39.55	41.55	42.33	42.69	42.64	42.97	43.46
15	43.42	43.55	43.83	40.20	40.32	38.14	41.85	42.50	42.70	42.75	43.10	43.50
20	43.48	43.68	43.82	40.69	40.96	39.43	42.03	42.55	42.83	42.80	43.15	43.56
25	43.53	43.64	43.39	37.57	41.35	40.66	42.18	42.58	42.65	42.80	43.18	43.67
EOM	43.57	43.74	41.72	36.19	41.31	41.18	42.33	42.64	42.24	42.86	43.36	43.77
MEAN	43.45	43.65	43.51	39.96	39.10	39.85	41.82	42.47	42.67	42.70	43.10	43.54
MAX	43.58	43.75	43.92	41.75	41.48	41.21	42.33	42.71	42.83	42.86	43.36	43.77
MIN	43.35	43.49	41.72	36.19	33.42	37.74	41.07	42.27	42.17	42.34	42.90	43.35
CAL YR 1998	MEAN 41.50		HIGH 34.43		MAR 9		LOW 43.92		DEC 22			
WTR YR 1999	MEAN 42.17		HIGH 33.42		FEB 2		LOW 43.92		DEC 22			



GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

Short-term water-quality data were collected at several wells in the Mobile River Study Unit of the National Water-Quality Assessment Program. Data collected includes basic water-quality parameters, volatile organic parameters, and pesticide parameters. Data for the wells are for sites located in the States of Alabama (01) and Mississippi (28). The following list gives the county name associated with the county code number: Alabama Counties are Autauga (001), Bullock (011), Chilton (021), Elmore (051), Fayette (057), Greene (063), Hale (065), Lamar (075), Macon (087), Perry (105), Pickens (107), Tuscaloosa (125); Mississippi Counties are Itawamba (057), Lowndes (087), Monroe (095).

MULTIPLE STATION ANALYSES

LOCAL IDENTIFIER	STATION NUMBER	STATE	COUNTY	DATE	TIME	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)
NAWQA FLH 28	323908086360201	01	001	06-08-99	1120	550	210.00	18.8	35.0
NAWQA FLH 23	321358085422101	01	011	08-18-99	1300	300	465.00	23.0	37.0
NAWQA FLH 29	324224086523101	01	021	05-26-99	1230	385	97.00	20.6	25.0
NAWQA FLH 30	325159086423801	01	021	05-27-99	1300	590	166.00	19.2	--
NAWQA FLH 27	323347086054901	01	051	05-24-99	1540	335	130.00	18.5	27.5
NAWQA FLH 26	323315086032801	01	051	07-07-99	1215	363	155.00	19.6	32.5
NAWQA FLH 16	335226087533701	01	057	07-14-99	1500	470	115.00	17.2	32.5
NAWQA FLH 12	325201087550701	01	063	06-16-99	1000	245	220.00	19.1	25.5
NAWQA FLH 20	325156087410801	01	065	06-16-99	1430	275	206.00	19.6	30.0
NAWQA FLH 21	324340087350501	01	065	06-14-99	1400	300	300.00	19.3	30.0
NAWQA FLH 19-1	325726087355201	01	065	07-22-99	1000	217	108.00	20.8	30.5
NAWQA FLH 8	335332088074901	01	075	07-01-99	1040	390	132.00	17.6	29.5
NAWQA FLH 9	333829088084801	01	075	07-13-99	1510	420	178.00	17.5	30.0
NAWQA FLH 15	334005088001001	01	075	07-14-99	1015	485	122.00	16.9	26.0
NAWQA FLH 25	323020085382001	01	087	05-25-99	1230	380	112.00	18.7	--
NAWQA FLH 24	322658085465001	01	087	06-10-99	1030	310	255.00	21.5	29.0
NAWQA FLH 22	323408087115101	01	105	06-09-99	1100	152	406.00	20.6	31.0
NAWQA FLH 11	330732088045601	01	107	06-17-99	1030	220	187.00	18.7	25.5
NAWQA FLH 13	330632087575201	01	107	06-15-99	1415	200	62.00	18.2	36.0
NAWQA FLH 14	332417087581901	01	107	06-17-99	1500	325	91.00	18.3	29.0
NAWQA FLH 10	332624088152701	01	107	06-23-99	0800	332	165.00	18.2	29.0
NAWQA FLH 17	332630087430001	01	125	06-15-99	1000	400	177.00	18.1	27.5
NAWQA FLH 18	330712087334701	01	125	06-25-99	0930	210	206.50	19.5	25.5
NAWQA FLH 7	340514088143301	28	057	06-24-99	1015	405	103.00	19.2	27.5
NAWQA FLH 4	341345088323001	28	057	06-29-99	1530	335	200.00	18.1	34.0
NAWQA FLH 5	342237088305201	28	057	06-30-99	0945	360	70.00	17.5	27.5
NAWQA FLH 6-1	342010088191001	28	057	08-03-99	1145	480	117.00	17.6	31.5
NAWQA FLH 1S	331918088194102	28	087	06-22-99	1500	150	122.00	18.8	33.0
NAWQA FLH 2	333840088224701	28	087	06-23-99	1400	270	116.00	18.6	29.5
NAWQA FLH 1D	331906088190901	28	087	07-20-99	1415	148	296.00	20.7	31.5
NAWQA FLH 3	335710088270301	28	095	06-29-99	1000	310	323.00	18.1	29.5

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

MULTIPLE STATION ANALYSES

LOCAL IDENTIFIER	DATE	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
NAWQA FLH 28	06-08-99	755	6.7	73	5.0	5.9	85	14	16	21
NAWQA FLH 23	08-18-99	756	--	--	7.0	8.0	--	280	329	197
NAWQA FLH 29	05-26-99	755	7.1	80	5.0	5.1	--	21	22	22
NAWQA FLH 30	05-27-99	--	7.2	--	5.0	5.5	--	21	23	20
NAWQA FLH 27	05-24-99	755	5.2	56	5.2	5.4	--	22	26	41
NAWQA FLH 26	07-07-99	757	5.0	55	5.8	6.1	--	54	60	81
NAWQA FLH 16	07-14-99	759	5.7	59	4.9	5.3	--	17	20	28
NAWQA FLH 12	06-16-99	763	.1	1	8.1	8.1	--	843	835	455
NAWQA FLH 20	06-16-99	763	7.7	84	5.1	5.4	--	39	42	46
NAWQA FLH 21	06-14-99	--	.1	--	7.0	7.0	--	179	178	--
NAWQA FLH 19-1	07-22-99	764	--	--	5.4	5.5	--	126	21	25
NAWQA FLH 8	07-01-99	757	9.3	98	5.4	5.7	--	19	19	19
NAWQA FLH 9	07-13-99	758	7.1	75	4.9	5.4	--	15	21	23
NAWQA FLH 15	07-14-99	758	8.2	85	4.9	5.4	--	12	14	21
NAWQA FLH 25	05-25-99	--	2.8	--	4.7	5.1	--	43	46	54
NAWQA FLH 24	06-10-99	762	.4	5	6.1	6.6	40	63	65	98
NAWQA FLH 22	06-09-99	764	.1	1	5.3	5.6	120	33	37	44
NAWQA FLH 11	06-17-99	765	.1	1	7.5	7.9	5.6	209	213	139
NAWQA FLH 13	06-15-99	763	7.5	79	6.2	6.3	--	105	90	101
NAWQA FLH 14	06-17-99	763	6.9	73	5.0	5.5	--	27	29	32
NAWQA FLH 10	06-23-99	759	.1	1	7.4	7.7	--	170	193	112
NAWQA FLH 17	06-15-99	758	7.9	84	5.0	5.7	--	25	29	31
NAWQA FLH 18	06-25-99	759	1.6	17	5.4	5.8	--	45	56	46
NAWQA FLH 7	06-24-99	751	--	--	5.3	5.5	--	66	31	22
NAWQA FLH 4	06-29-99	753	.0	--	6.8	6.6	--	163	171	129
NAWQA FLH 5	06-30-99	753	6.2	66	7.1	7.1	--	583	627	377
NAWQA FLH 6-1	08-03-99	755	6.8	72	5.3	5.4	--	51	57	47
NAWQA FLH 1S	06-22-99	763	1.1	12	8.3	8.5	--	163	280	173
NAWQA FLH 2	06-23-99	760	.1	2	6.1	6.4	--	120	123	107
NAWQA FLH 1D	07-20-99	765	.4	4	7.8	8.0	--	169	180	111
NAWQA FLH 3	06-29-99	754	.0	0	6.3	6.2	--	98	103	26

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

MULTIPLE STATION ANALYSES

LOCAL IDENTIFIER	DATE	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	TUR- BID- ITY (NTU) (00076)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
NAWQA FLH 28	06-08-99	4	5	4	4.6	1.0	.031	<.010	E.10	.110
NAWQA FLH 23	08-18-99	--	121	99	100	.60	.188	<.010	.20	<.050
NAWQA FLH 29	05-26-99	--	2	2	2.6	1.0	.021	<.010	E.10	.564
NAWQA FLH 30	05-27-99	--	5	4	4.8	.00	.021	<.010	<.10	.937
NAWQA FLH 27	05-24-99	--	5	4	5.8	1.0	<.020	<.010	<.10	.236
NAWQA FLH 26	07-07-99	--	32	26	28	1.1	<.020	<.010	<.10	.059
NAWQA FLH 16	07-14-99	--	6	5	5.0	.40	<.020	<.010	E.10	.433
NAWQA FLH 12	06-16-99	--	210	172	180	--	.805	<.010	.78	<.050
NAWQA FLH 20	06-16-99	--	5	4	4.6	--	<.020	<.010	E.10	2.30
NAWQA FLH 21	06-14-99	--	94	77	80	2.0	.173	<.010	.18	<.050
NAWQA FLH 19-1	07-22-99	--	7	6	5.5	1.4	<.020	<.010	<.10	.237
NAWQA FLH 8	07-01-99	--	6	5	5.1	1.6	<.020	<.010	<.10	.559
NAWQA FLH 9	07-13-99	--	5	4	4.4	.34	<.020	<.010	.11	.065
NAWQA FLH 15	07-14-99	--	5	4	4.1	.50	<.020	<.010	E.10	.092
NAWQA FLH 25	05-25-99	--	5	4	4.1	.00	<.020	<.010	E.10	1.48
NAWQA FLH 24	06-10-99	26	32	26	30	1.0	<.020	<.010	E.10	<.050
NAWQA FLH 22	06-09-99	12	15	12	13	.00	<.020	<.010	<.10	<.050
NAWQA FLH 11	06-17-99	92	112	92	96	--	.357	<.010	.43	<.050
NAWQA FLH 13	06-15-99	--	58	48	29	--	.020	<.010	.10	<.050
NAWQA FLH 14	06-17-99	--	7	6	6.2	--	<.020	<.010	<.10	.259
NAWQA FLH 10	06-23-99	--	113	93	96	--	.047	<.010	<.10	<.050
NAWQA FLH 17	06-15-99	--	4	3	13	--	<.020	<.010	E.10	1.00
NAWQA FLH 18	06-25-99	--	11	9	15	--	<.020	.012	<.10	.239
NAWQA FLH 7	06-24-99	--	7	6	5.3	--	<.020	<.010	<.10	.346
NAWQA FLH 4	06-29-99	--	92	75	78	.70	.036	<.010	E.10	<.050
NAWQA FLH 5	06-30-99	--	344	282	290	3.8	.036	<.010	<.10	<.050
NAWQA FLH 6-1	08-03-99	--	10	9	8.4	3.1	<.020	<.010	<.10	2.40
NAWQA FLH 1S	06-22-99	--	177	145	150	--	.543	<.010	.60	<.050
NAWQA FLH 2	06-23-99	--	72	59	44	--	.022	<.010	<.10	<.050
NAWQA FLH 1D	07-20-99	--	95	78	81	1.6	.542	<.010	.68	<.050
NAWQA FLH 3	06-29-99	--	57	47	34	1.0	.029	<.010	E.10	<.050

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

MULTIPLE STATION ANALYSES

LOCAL IDENTIFIER	DATE	PHOSPHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)
NAWQA FLH 28	06-08-99	<.004	.026	<.10	.61	.32	.83	.2	35
NAWQA FLH 23	08-18-99	<.004	<.010	.40	32	.40	34	2	47
NAWQA FLH 29	05-26-99	<.004	.011	<.10	.41	.42	1.3	.3	43
NAWQA FLH 30	05-27-99	<.004	.010	<.10	.76	.50	1.6	.3	42
NAWQA FLH 27	05-24-99	<.004	.016	<.10	.80	.51	1.6	.4	37
NAWQA FLH 26	07-07-99	.010	.016	.10	6.6	.45	3.1	.3	24
NAWQA FLH 16	07-14-99	<.004	.012	<.10	.78	.41	1.1	.3	35
NAWQA FLH 12	06-16-99	.062	.065	.60	7.8	1.6	163	14	92
NAWQA FLH 20	06-16-99	<.004	<.010	.10	2.4	1.2	1.8	.2	25
NAWQA FLH 21	06-14-99	.132	.247	.30	20	4.6	7.4	.4	17
NAWQA FLH 19-1	07-22-99	<.004	<.010	<.10	.89	.44	1.2	.3	33
NAWQA FLH 8	07-01-99	<.004	<.010	.10	1.1	.42	.96	.2	29
NAWQA FLH 9	07-13-99	<.004	<.010	<.10	.42	.41	1.2	.3	40
NAWQA FLH 15	07-14-99	<.004	<.010	<.10	.50	.31	.77	.2	35
NAWQA FLH 25	05-25-99	<.004	<.010	.10	.90	1.5	2.1	.3	29
NAWQA FLH 24	06-10-99	.101	.100	<.10	5.2	1.7	2.6	.3	18
NAWQA FLH 22	06-09-99	<.004	.016	<.10	1.5	.74	1.4	.2	21
NAWQA FLH 11	06-17-99	.064	.063	.40	18	4.5	11	.6	24
NAWQA FLH 13	06-15-99	.184	.311	.30	5.3	1.9	3.7	.4	25
NAWQA FLH 14	06-17-99	<.004	<.010	.20	1.1	.59	1.8	.3	36
NAWQA FLH 10	06-23-99	.192	.173	.40	22	5.2	5.5	.3	13
NAWQA FLH 17	06-15-99	<.004	<.010	<.10	1.0	.53	1.4	.3	31
NAWQA FLH 18	06-25-99	<.004	.010	.20	2.6	1.6	2.2	.3	--
NAWQA FLH 7	06-24-99	<.004	.029	.20	.83	.54	3.3	.7	59
NAWQA FLH 4	06-29-99	.792	.765	.30	19	4.3	5.4	.3	15
NAWQA FLH 5	06-30-99	.168	.309	.80	110	7.8	17	.4	10
NAWQA FLH 6-1	08-03-99	.063	.011	<.10	4.1	1.5	2.2	.2	21
NAWQA FLH 1S	06-22-99	.749	.829	.70	2.2	.63	60	9	92
NAWQA FLH 2	06-23-99	.390	.762	.30	8.9	2.5	5.5	.4	26
NAWQA FLH 1D	07-20-99	.060	.067	.20	1.6	.46	35	6	87
NAWQA FLH 3	06-29-99	.015	.048	.20	2.9	1.6	1.8	.2	19

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

MULTIPLE STATION ANALYSES

LOCAL IDENTIFIER	DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)
NAWQA FLH 28	06-08-99	.42	1.5	.16	<.10	8.3	<10	2.8	.015
NAWQA FLH 23	08-18-99	2.5	13	35	<.10	17	<10	4.7	.061
NAWQA FLH 29	05-26-99	.78	3.4	<.10	<.10	8.5	<10	3.1	<.010
NAWQA FLH 30	05-27-99	.54	2.4	.19	<.10	8.9	<10	6.9	.011
NAWQA FLH 27	05-24-99	1.6	2.5	1.0	<.10	17	<10	4.0	.016
NAWQA FLH 26	07-07-99	2.3	1.5	.59	<.10	36	<10	<1.0	<.010
NAWQA FLH 16	07-14-99	.75	1.5	.32	<.10	9.3	<10	3.7	<.010
NAWQA FLH 12	06-16-99	3.7	150	<.10	.88	10	56	21	.93
NAWQA FLH 20	06-16-99	.68	3.4	.39	<.10	14	<10	6.6	.015
NAWQA FLH 21	06-14-99	5.2	3.6	5.4	--	22	2200	200	.12
NAWQA FLH 19-1	07-22-99	.88	1.8	.23	<.10	11	<10	1.9	.019
NAWQA FLH 8	07-01-99	.46	1.4	<.10	<.10	9.1	<10	1.6	.017
NAWQA FLH 9	07-13-99	.81	2.1	.29	<.10	12	<10	12	.012
NAWQA FLH 15	07-14-99	.49	1.3	.20	<.10	8.4	<10	1.7	<.010
NAWQA FLH 25	05-25-99	2.2	6.8	.13	<.10	23	E6.2	11	.024
NAWQA FLH 24	06-10-99	4.5	2.0	.77	.11	55	210	157	.028
NAWQA FLH 22	06-09-99	4.0	1.8	1.2	<.10	15	110	2.1	.020
NAWQA FLH 11	06-17-99	8.6	2.5	7.6	<.10	13	240	89	.016
NAWQA FLH 13	06-15-99	2.3	2.8	5.6	<.10	32	14300	637	.025
NAWQA FLH 14	06-17-99	1.4	3.9	.12	<.10	9.7	<10	2.2	.015
NAWQA FLH 10	06-23-99	4.9	1.7	1.5	<.10	22	170	211	.021
NAWQA FLH 17	06-15-99	1.7	2.9	.14	<.10	9.6	<10	3.4	.024
NAWQA FLH 18	06-25-99	<.10	.54	.68	<.10	18	850	999	.015
NAWQA FLH 7	06-24-99	.47	4.5	.34	<.10	9.2	<10	8.8	.034
NAWQA FLH 4	06-29-99	2.3	2.1	3.2	.21	36	4900	530	.18
NAWQA FLH 5	06-30-99	2.3	18	27	.30	33	1100	147	.25
NAWQA FLH 6-1	08-03-99	1.2	4.3	.18	<.10	11	<10	5.6	.013
NAWQA FLH 1S	06-22-99	2.6	2.5	.47	.27	11	14	15	.072
NAWQA FLH 2	06-23-99	2.0	4.1	1.9	.20	33	11800	724	.038
NAWQA FLH 1D	07-20-99	4.7	2.9	5.7	.12	14	91	37	.025
NAWQA FLH 3	06-29-99	2.1	1.6	3.7	<.10	10	17900	364	.029

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LOCAL IDENTIFIER	DATE	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)
NAWQA FLH 28	06-08-99	<1.0	<1.0	<1.0	<1.0	1.7	15	<1	<1.0
NAWQA FLH 23	08-18-99	<1.0	<1.0	<1.0	<1.0	<1.0	29	<1	<1.0
NAWQA FLH 29	05-26-99	<1.0	<1.0	<1.0	<1.0	2.8	29	<1	<1.0
NAWQA FLH 30	05-27-99	<1.0	<1.0	<1.0	<1.0	6.8	21	<1	<1.0
NAWQA FLH 27	05-24-99	<1.0	<1.0	<1.0	<1.0	5.0	11	<1	<1.0
NAWQA FLH 26	07-07-99	<1.0	<1.0	<1.0	<1.0	2.0	6.3	<1	<1.0
NAWQA FLH 16	07-14-99	<1.0	<1.0	<1.0	<1.0	1.7	12	<1	<1.0
NAWQA FLH 12	06-16-99	<1.0	<1.0	<1.0	<1.0	<1.0	37	<1	<1.0
NAWQA FLH 20	06-16-99	<1.0	<1.0	<1.0	<1.0	<1.0	20	<1	<1.0
NAWQA FLH 21	06-14-99	<1.0	<1.0	<1.0	<1.0	<1.0	79	<1	<1.0
NAWQA FLH 19-1	07-22-99	<1.0	<1.0	<1.0	<1.0	1.8	15	<1	<1.0
NAWQA FLH 8	07-01-99	<1.0	<1.0	<1.0	<1.0	4.9	6.9	<1	<1.0
NAWQA FLH 9	07-13-99	<1.0	<1.0	<1.0	<1.0	6.7	13	<1	<1.0
NAWQA FLH 15	07-14-99	<1.0	<1.0	<1.0	<1.0	29	7.0	<1	<1.0
NAWQA FLH 25	05-25-99	<1.0	<1.0	<1.0	<1.0	3.9	79	<1	<1.0
NAWQA FLH 24	06-10-99	<1.0	<1.0	<1.0	<1.0	<1.0	22	<1	<1.0
NAWQA FLH 22	06-09-99	<1.0	<1.0	<1.0	<1.0	7.7	46	<1	<1.0
NAWQA FLH 11	06-17-99	<1.0	<1.0	<1.0	<1.0	<1.0	121	<1	<1.0
NAWQA FLH 13	06-15-99	<1.0	<1.0	<1.0	<1.0	1.9	52	<1	<1.0
NAWQA FLH 14	06-17-99	<1.0	<1.0	<1.0	<1.0	15	26	<1	<1.0
NAWQA FLH 10	06-23-99	<1.0	<1.0	<1.0	<1.0	<1.0	111	<1	<1.0
NAWQA FLH 17	06-15-99	<1.0	<1.0	<1.0	<1.0	2.4	28	<1	<1.0
NAWQA FLH 18	06-25-99	<1.0	<1.0	<1.0	<1.0	2.2	31	<1	<1.0
NAWQA FLH 7	06-24-99	<1.0	<1.0	<1.0	<1.0	4.0	14	<1	<1.0
NAWQA FLH 4	06-29-99	<1.0	<1.0	<1.0	<1.0	<1.0	73	<1	<1.0
NAWQA FLH 5	06-30-99	<1.0	<1.0	<1.0	<1.0	<1.0	155	<1	<1.0
NAWQA FLH 6-1	08-03-99	<1.0	<1.0	<1.0	<1.0	9.1	21	<1	<1.0
NAWQA FLH 1S	06-22-99	<1.0	<1.0	<1.0	<1.0	<1.0	13	<1	<1.0
NAWQA FLH 2	06-23-99	<1.0	<1.0	<1.0	<1.0	<1.0	68	<1	<1.0
NAWQA FLH 1D	07-20-99	<1.0	<1.0	<1.0	<1.0	<1.0	10	<1	<1.0
NAWQA FLH 3	06-29-99	<1.0	<1.0	<1.0	<1.0	<1.0	39	<1	<1.0

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LOCAL IDENTIFIER	DATE	CHROMIUM, DIS-SOLVED (UG/L AS CR) (01030)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	SELENIUM, DIS-SOLVED (UG/L AS SE) (01145)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO) (01060)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ALUMINUM, DIS-SOLVED (UG/L AS AL) (01106)
NAWQA FLH 28	06-08-99	--	<1.0	<1	<1.0	<1.0	<1.0	1.5	1.2
NAWQA FLH 23	08-18-99	--	<1.0	<1	<1.0	<1.0	<1.0	1.5	<1.0
NAWQA FLH 29	05-26-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	1.8	4.3
NAWQA FLH 30	05-27-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	1.5	4.2
NAWQA FLH 27	05-24-99	<1.0	<1.0	<1	1.1	<1.0	<1.0	3.4	2.3
NAWQA FLH 26	07-07-99	2.3	<1.0	<1	<1.0	<1.0	<1.0	<1.0	<1.0
NAWQA FLH 16	07-14-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	1.3	2.1
NAWQA FLH 12	06-16-99	<1.0	<1.0	<1	<1.0	1.1	<1.0	<1.0	1.9
NAWQA FLH 20	06-16-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	1.4	2.2
NAWQA FLH 21	06-14-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	1.0	<1.0
NAWQA FLH 19-1	07-22-99	--	<1.0	<1	<1.0	<1.0	<1.0	1.2	1.3
NAWQA FLH 8	07-01-99	<1.0	1.8	<1	<1.0	<1.0	<1.0	<1.0	<1.0
NAWQA FLH 9	07-13-99	<1.0	1.2	<1	1.5	<1.0	<1.0	3.8	1.7
NAWQA FLH 15	07-14-99	<1.0	2.5	<1	<1.0	<1.0	<1.0	3.9	1.4
NAWQA FLH 25	05-25-99	1.0	<1.0	<1	5.1	<1.0	5.8	8.8	14
NAWQA FLH 24	06-10-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0	<1.0
NAWQA FLH 22	06-09-99	--	<1.0	<1	8.3	<1.0	6.6	42	<1.0
NAWQA FLH 11	06-17-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0	1.1
NAWQA FLH 13	06-15-99	<1.0	<1.0	<1	1.2	<1.0	<1.0	5.5	<1.0
NAWQA FLH 14	06-17-99	<1.0	2.7	<1	2.5	<1.0	<1.0	7.4	2.8
NAWQA FLH 10	06-23-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0	<1.0
NAWQA FLH 17	06-15-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	1.1	2.1
NAWQA FLH 18	06-25-99	<1.0	2.8	<1	11	<1.0	9.6	216	6.3
NAWQA FLH 7	06-24-99	<1.0	<1.0	<1	2.0	<1.0	<1.0	4.0	2.9
NAWQA FLH 4	06-29-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	1.2	<1.0
NAWQA FLH 5	06-30-99	<1.0	<1.0	<1	1.6	<1.0	<1.0	1.8	<1.0
NAWQA FLH 6-1	08-03-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	2.8	3.8
NAWQA FLH 1S	06-22-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0	2.4
NAWQA FLH 2	06-23-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	1.5	<1.0
NAWQA FLH 1D	07-20-99	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0	1.1
NAWQA FLH 3	06-29-99	<1.0	<1.0	<1	12	<1.0	6.9	43	<1.0

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LOCAL IDENTIFIER	DATE	DI-BROMO-METHANE WHOLE RECOVER (UG/L) (30217)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLORIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)
NAWQA FLH 28	06-08-99	<.050	<.048	<.088	<.130	<.100	<.180	E.023	<.050	<.100
NAWQA FLH 23	08-18-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 2	05-26-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 30	05-27-99	<.050	<.048	<.088	<.130	<.100	<.180	E.017	<.050	<.100
NAWQA FLH 27	05-24-99	<.050	<.048	<.088	<.130	<.100	<.180	E.022	<.050	<.100
NAWQA FLH 26	07-07-99	<.050	<.048	<.088	<.130	<.100	<.180	E.017	<.050	<.100
NAWQA FLH 16	07-14-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 12	06-16-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 20	06-16-99	<.050	<.048	<.088	<.130	<.100	<.180	E.023	<.050	<.100
NAWQA FLH 21	06-14-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 19-1	07-22-99	<.050	<.048	<.088	<.130	<.100	<.180	E.098	<.050	<.100
NAWQA FLH 8	07-01-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 9	07-13-99	<.050	<.048	<.088	<.130	<.100	<.180	E.062	<.050	<.100
NAWQA FLH 15	07-14-99	<.050	<.048	<.088	<.130	<.100	<.180	E.016	<.050	<.100
NAWQA FLH 25	05-25-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 24	06-10-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 22	06-09-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 11	06-17-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 13	06-15-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 14	06-17-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 10	06-23-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 17	06-15-99	<.050	<.048	<.088	<.130	<.100	<.180	E.024	<.050	<.100
NAWQA FLH 18	06-25-99	<.050	<.048	<.088	<.130	<.100	<.180	E.008	<.050	<.100
NAWQA FLH 7	06-24-99	<.050	<.048	<.088	<.130	<.100	<.180	E.015	<.050	<.100
NAWQA FLH 4	06-29-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 5	06-30-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 6-1	08-03-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	E.009	<.100
NAWQA FLH 1S	06-22-99	<.250	<.240	<.440	<.650	<.500	<.900	<.260	<.250	<.500
NAWQA FLH 2	06-23-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 1D	07-20-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100
NAWQA FLH 3	06-29-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	<.050	<.100

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LOCAL IDENTIFIER	DATE	ACRYLO- NITRILE TOTAL (UG/L) (34215)	CHLORO- BENZENE TOTAL (UG/L) (34301)	CHLORO- ETHANE TOTAL (UG/L) (34311)	ETHYL- BENZENE TOTAL (UG/L) (34371)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)
NAWQA FLH 28	06-08-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 23	08-18-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 29	05-26-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 30	05-27-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 27	05-24-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 26	07-07-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 16	07-14-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 12	06-16-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 20	06-16-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	E.012
NAWQA FLH 21	06-14-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 19-1	07-22-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 8	07-01-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	E.071
NAWQA FLH 9	07-13-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 15	07-14-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 25	05-25-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 24	06-10-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 22	06-09-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 11	06-17-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 13	06-15-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 14	06-17-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 10	06-23-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 17	06-15-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 18	06-25-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 7	06-24-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 4	06-29-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 5	06-30-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 6-1	08-03-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 1S	06-22-99	<6.00	<.140	<.600	<.150	<1.80	<.750	<1.25	<1.90	<.500
NAWQA FLH 2	06-23-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 1D	07-20-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
NAWQA FLH 3	06-29-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100

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NAWQA FLH 28	06-08-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 23	08-18-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 29	05-26-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 30	05-27-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 27	05-24-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 26	07-07-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 16	07-14-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 12	06-16-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 20	06-16-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 21	06-14-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 19-1	07-22-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 8	07-01-99	<.090	E.068	E.018	E.007	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 9	07-13-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 15	07-14-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 25	05-25-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 24	06-10-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 22	06-09-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 11	06-17-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 13	06-15-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 14	06-17-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 10	06-23-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 17	06-15-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 18	06-25-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 7	06-24-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 4	06-29-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 5	06-30-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 6-1	08-03-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 1S	06-22-99	<.450	<.330	<.220	<.160	<.320	<.650	<.240	<.340	<.160
NAWQA FLH 2	06-23-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 1D	07-20-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
NAWQA FLH 3	06-29-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032

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NAWQA FLH 28	06-08-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 23	08-18-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 29	05-26-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 30	05-27-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 27	05-24-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 26	07-07-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 16	07-14-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 12	06-16-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 20	06-16-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 21	06-14-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 19-1	07-22-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 8	07-01-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 9	07-13-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 15	07-14-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 25	05-25-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 24	06-10-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 22	06-09-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 11	06-17-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 13	06-15-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 14	06-17-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 10	06-23-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 17	06-15-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 18	06-25-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 7	06-24-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 4	06-29-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 5	06-30-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 6-1	08-03-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 1S	06-22-99	<.950	<.270	<.250	<.700	<1.25	<.650	<.450	<.550	<.190
NAWQA FLH 2	06-23-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 1D	07-20-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
NAWQA FLH 3	06-29-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038

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NAWQA FLH 28	06-08-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 23	08-18-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 29	05-26-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 30	05-27-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 27	05-24-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 26	07-07-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 16	07-14-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 12	06-16-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 20	06-16-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 21	06-14-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 19-1	07-22-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 8	07-01-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 9	07-13-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 15	07-14-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 25	05-25-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 24	06-10-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 22	06-09-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 11	06-17-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 13	06-15-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 14	06-17-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 10	06-23-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 17	06-15-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 18	06-25-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 7	06-24-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 4	06-29-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 5	06-30-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 6-1	08-03-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 1S	06-22-99	<.700	<.700	<1.15	<1.00	<.500	<.270	<.550	<3.50	<1.40
NAWQA FLH 2	06-23-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 1D	07-20-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
NAWQA FLH 3	06-29-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280

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NAWQA FLH 28	06-08-99	E.025	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 23	08-18-99	E.238	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 29	05-26-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 30	05-27-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 27	05-24-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 26	07-07-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 16	07-14-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 12	06-16-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 20	06-16-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 21	06-14-99	E.099	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 19-1	07-22-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 8	07-01-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 9	07-13-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 15	07-14-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 25	05-25-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 24	06-10-99	E.188	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 22	06-09-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 11	06-17-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 13	06-15-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 14	06-17-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 10	06-23-99	E.096	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 17	06-15-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 18	06-25-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 7	06-24-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 4	06-29-99	E.022	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 5	06-30-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 6-1	08-03-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 1S	06-22-99	<1.85	<.190	<3.50	<.210	<.300	<.130	<.390	<.600
NAWQA FLH 2	06-23-99	E.073	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 1D	07-20-99	<.370	<.038	<.700	<.042	<.060	<.026	<.078	<.120
NAWQA FLH 3	06-29-99	E.134	<.038	<.700	<.042	<.060	<.026	<.078	<.120

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LOCAL IDENTIFIER	DATE	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)
NAWQA FLH 28	06-08-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 23	08-18-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 29	05-26-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 30	05-27-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 27	05-24-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 26	07-07-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 16	07-14-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 12	06-16-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 20	06-16-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 21	06-14-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 19-1	07-22-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 8	07-01-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 9	07-13-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 15	07-14-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 25	05-25-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 24	06-10-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 22	06-09-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 11	06-17-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 13	06-15-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 14	06-17-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 10	06-23-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 17	06-15-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 18	06-25-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 7	06-24-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 4	06-29-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 5	06-30-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 6-1	08-03-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 1S	06-22-99	<.500	<.600	<.280	<.160	<.210	<.220	<.210	<.280
NAWQA FLH 2	06-23-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 1D	07-20-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
NAWQA FLH 3	06-29-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

MOBILE RIVER STUDY UNIT

MULTIPLE STATION ANALYSES

LOCAL IDENTIFIER	DATE	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)
NAWQA FLH 28	06-08-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 23	08-18-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 29	05-26-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 30	05-27-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 27	05-24-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 26	07-07-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 16	07-14-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 12	06-16-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 20	06-16-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 21	06-14-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 19-1	07-22-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 8	07-01-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 9	07-13-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 15	07-14-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 25	05-25-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 24	06-10-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 22	06-09-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 11	06-17-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 13	06-15-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 14	06-17-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 10	06-23-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 17	06-15-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 18	06-25-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 7	06-24-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 4	06-29-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 5	06-30-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 6-1	08-03-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 1S	06-22-99	<.220	<.950	<.240	<.500	<.550	<1.05	<.800	<.220
NAWQA FLH 2	06-23-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 1D	07-20-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
NAWQA FLH 3	06-29-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

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MULTIPLE STATION ANALYSES

LOCAL IDENTIFIER	DATE	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)
NAWQA FLH 28	06-08-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 23	08-18-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 29	05-26-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 30	05-27-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 27	05-24-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 26	07-07-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 16	07-14-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 12	06-16-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 20	06-16-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 21	06-14-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 19-1	07-22-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 8	07-01-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 9	07-13-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 15	07-14-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 25	05-25-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 24	06-10-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 22	06-09-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 11	06-17-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 13	06-15-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 14	06-17-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 10	06-23-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 17	06-15-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 18	06-25-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 7	06-24-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 4	06-29-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 5	06-30-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 6-1	08-03-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 1S	06-22-99	<1.35	<.180	<.160	<.850	<1.00	<1.85	<25.0	<.180
NAWQA FLH 2	06-23-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 1D	07-20-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
NAWQA FLH 3	06-29-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

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LOCAL IDENTIFIER	DATE	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	METH- ACRYLO- NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)
NAWQA FLH 28	06-08-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 23	08-18-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 29	05-26-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 30	05-27-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 27	05-24-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 26	07-07-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 16	07-14-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 12	06-16-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 20	06-16-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 21	06-14-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 19-1	07-22-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 8	07-01-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 9	07-13-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 15	07-14-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 25	05-25-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 24	06-10-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 22	06-09-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 11	06-17-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 13	06-15-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 14	06-17-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 10	06-23-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 17	06-15-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 18	06-25-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 7	06-24-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 4	06-29-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 5	06-30-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 6-1	08-03-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 1S	06-22-99	<.850	<.490	<2.85	<8.00	<1.75	<45.0	<1.05	<.300
NAWQA FLH 2	06-23-99	<.170	<.098	<.570	<1.60	<.350	E.569	<.210	<.060
NAWQA FLH 1D	07-20-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
NAWQA FLH 3	06-29-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

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MOBILE RIVER STUDY UNIT

MULTIPLE STATION ANALYSES

LOCAL IDENTIFIER	DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)
NAWQA FLH 28	06-08-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 23	08-18-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 29	05-26-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 30	05-27-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 27	05-24-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 26	07-07-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 16	07-14-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 12	06-16-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 20	06-16-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 21	06-14-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 19-1	07-22-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 8	07-01-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 9	07-13-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 15	07-14-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 25	05-25-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 24	06-10-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 22	06-09-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 11	06-17-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 13	06-15-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 14	06-17-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 10	06-23-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 17	06-15-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 18	06-25-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 7	06-24-99	<.0070	<.0020	<.0050	<.0180	E.0074	<.0040	<.0030	<.0020
NAWQA FLH 4	06-29-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 5	06-30-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 6-1	08-03-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 1S	06-22-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 2	06-23-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 1D	07-20-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
NAWQA FLH 3	06-29-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020

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MULTIPLE STATION ANALYSES

LOCAL IDENTIFIER	DATE	P,P' DDE DISSOLV (UG/L) (34653)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)
NAWQA FLH 28	06-08-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 23	08-18-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 29	05-26-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 30	05-27-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 27	05-24-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 26	07-07-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 16	07-14-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 12	06-16-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 20	06-16-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 21	06-14-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 19-1	07-22-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 8	07-01-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 9	07-13-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 15	07-14-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 25	05-25-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 24	06-10-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 22	06-09-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 11	06-17-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 13	06-15-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 14	06-17-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 10	06-23-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 17	06-15-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 18	06-25-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 7	06-24-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 4	06-29-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 5	06-30-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 6-1	08-03-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 1S	06-22-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 2	06-23-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 1D	07-20-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
NAWQA FLH 3	06-29-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004

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LOCAL IDENTIFIER	DATE	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)
NAWQA FLH 28	06-08-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 23	08-18-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 29	05-26-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 30	05-27-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 27	05-24-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 26	07-07-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 16	07-14-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 12	06-16-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 20	06-16-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 21	06-14-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 19-1	07-22-99	<.002	<.001	<.002	<.0020	E.0009	<.0030	<.004	<.0030
NAWQA FLH 8	07-01-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 9	07-13-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 15	07-14-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 25	05-25-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 24	06-10-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 22	06-09-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 11	06-17-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 13	06-15-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 14	06-17-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 10	06-23-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 17	06-15-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 18	06-25-99	<.002	<.003	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 7	06-24-99	<.002	.008	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 4	06-29-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 5	06-30-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 6-1	08-03-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 1S	06-22-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 2	06-23-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 1D	07-20-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
NAWQA FLH 3	06-29-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030

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LOCAL IDENTIFIER	DATE	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)
NAWQA FLH 28	06-08-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 23	08-18-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 29	05-26-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0767
NAWQA FLH 30	05-27-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 27	05-24-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 26	07-07-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0767
NAWQA FLH 16	07-14-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0767
NAWQA FLH 12	06-16-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 20	06-16-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 21	06-14-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 19-1	07-22-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0767
NAWQA FLH 8	07-01-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 9	07-13-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 15	07-14-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0767
NAWQA FLH 25	05-25-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 24	06-10-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 22	06-09-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 11	06-17-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 13	06-15-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 14	06-17-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 10	06-23-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 17	06-15-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 18	06-25-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 7	06-24-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0767
NAWQA FLH 4	06-29-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 5	06-30-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 6-1	08-03-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 1S	06-22-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 2	06-23-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 1D	07-20-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
NAWQA FLH 3	06-29-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100

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NAWQA FLH 28	06-08-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 23	08-18-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 29	05-26-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 30	05-27-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 27	05-24-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 26	07-07-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 16	07-14-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 12	06-16-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 20	06-16-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 21	06-14-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 19-1	07-22-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 8	07-01-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 9	07-13-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 15	07-14-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 25	05-25-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 24	06-10-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 22	06-09-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 11	06-17-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 13	06-15-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 14	06-17-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 10	06-23-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 17	06-15-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 18	06-25-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 7	06-24-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 4	06-29-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 5	06-30-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 6-1	08-03-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 1S	06-22-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 2	06-23-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 1D	07-20-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
NAWQA FLH 3	06-29-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010

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LOCAL IDENTIFIER	DATE	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	PENDI-METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL- AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
NAWQA FLH 28	06-08-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 23	08-18-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 29	05-26-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 30	05-27-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 27	05-24-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 26	07-07-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 16	07-14-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 12	06-16-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 20	06-16-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 21	06-14-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 19-1	07-22-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 8	07-01-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 9	07-13-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 15	07-14-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0200	<.0050
NAWQA FLH 25	05-25-99	<.0040	<.0020	<.0040	<.0030	<.210	<.0010	<.0050
NAWQA FLH 24	06-10-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 22	06-09-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 11	06-17-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 13	06-15-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 14	06-17-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 10	06-23-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 17	06-15-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 18	06-25-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 7	06-24-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 4	06-29-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 5	06-30-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 6-1	08-03-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 1S	06-22-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 2	06-23-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050
NAWQA FLH 1D	07-20-99	<.0040	<.0020	<.0040	<.0030	--	<.0010	<.0050
NAWQA FLH 3	06-29-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050

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Short-term water-quality data were collected at several wells in the Lower Tennessee River Study Unit of the National Water-Quality Assessment Program. Data collected includes basic water-quality parameters, volatile organic parameters, and pesticide parameters. Data for the wells are for sites located in the State of Alabama (01). The following list gives the county name associated with the county code number: Colbert (033), Franklin (059), Lawrence (079), Limestone (083), Madison (089), Morgan (103).

LOCAL IDENTIFIER	STATE	COUNTY	DATE	TIME	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)
EHR-SUS1	01	079	07-07-99	1430	637	105.00	17.5	33.0	744	.5
EHR-SUS2	01	059	07-07-99	1030	601	54.00	18.6	28.0	751	.1
EHR-SUS3	01	079	07-01-99	1315	753	88.00	--	--	--	--
EHR-SUS4	01	033	07-06-99	1245	572	110.00	--	--	--	--
EHR-SUS5	01	033	07-07-99	0845	500	110.00	19.0	25.0	749	5.4
EHR-SUS6 (K-3)	01	083	06-28-99	1230	730	55.00	--	--	--	--
EHR-SUS7	01	083	06-30-99	1530	680	44.00	--	--	--	--
EHR-SUS8 (H-02)	01	079	06-30-99	1030	595	122.00	--	--	--	--
EHR-SUS9 (J-01)	01	079	06-30-99	1430	725	75.00	--	--	--	--
EHR-SUS10	01	079	07-06-99	1500	635	130.00	--	--	--	--
EHR-SUS11	01	079	06-29-99	1630	650	38.00	--	--	--	--
EHR-SUS12	01	103	06-28-99	1700	620	44.20	--	--	--	--
EHR-SUS13	01	103	06-28-99	1545	630	77.00	--	--	--	--
EHR-SUS14	01	083	06-29-99	1030	600	107.00	--	--	--	--
EHR-SUS15 (I-40)	01	083	06-24-99	1600	700	113.00	--	--	--	--
EHR-SUS16	01	083	06-30-99	1015	795	78.00	--	--	--	--
EHR-SUS18 (E-28)	01	089	07-14-99	1700	882	85.00	17.0	29.0	740	2.2
EHR-SUS19	01	089	06-23-99	1200	688	98.00	16.9	--	748	1.0
EHR-SUS21	01	089	06-29-99	1545	590	82.00	--	--	--	--
EHR-SUS22 (K-76)	01	103	06-29-99	1200	780	147.40	--	--	--	--
EHR-SUS23	01	089	07-08-99	1430	588	84.00	18.5	--	747	1.5
EHR-SUS24	01	089	06-24-99	1045	760	157.00	--	--	--	--
HAZEL GREEN WELL	01	089	07-01-99	0930	805	87.00	--	--	--	--
MC GEE HEE SPRING	01	089	04-26-99	1500	680	--	17.5	23.0	740	2.4
	01	089	07-07-99	1615	680	--	18.0	35.0	--	--
	01	089	08-18-99	1300	680	--	18.0	35.0	744	6.2
MERIDIANVILLE	01	089	04-27-99	1100	--	--	16.0	22.0	--	8.4
SPRING	01	089	07-14-99	1130	--	--	16.5	25.0	--	--
	01	089	08-18-99	1030	--	--	16.0	29.0	743	7.3

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LOCAL IDENTIFIER	DATE	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	TURBIDITY (NTU) (00076)
EHR-SUS1	07-07-99	5	7.5	7.9	470	479	278	279	229	--
EHR-SUS2	07-07-99	1	6.9	7.6	795	814	494	355	291	--
07-07-99	--	--	8.0	--	791	--	--	--	--	--
EHR-SUS3	07-01-99	--	--	5.6	--	62	--	--	--	--
EHR-SUS4	07-06-99	--	--	7.3	--	639	--	--	--	--
EHR-SUS5	07-07-99	59	6.8	7.3	540	539	251	316	259	--
	07-07-99	--	--	7.3	--	542	--	--	--	--
EHR-SUS6 (K-3))	06-28-99	--	--	5.2	--	57	--	--	--	--
EHR-SUS7	06-30-99	--	--	6.6	--	60	--	--	--	--
EHR-SUS8 (H-02)	06-30-99	--	--	7.7	--	322	--	--	--	--
EHR-SUS10	07-06-99	--	--	7.7	--	452	--	--	--	--
EHR-SUS11	06-29-99	--	--	7.4	--	379	--	--	--	--
EHR-SUS12	06-28-99	--	--	7.8	--	805	--	--	--	--
EHR-SUS13	06-28-99	--	--	7.8	--	268	--	--	--	--
EHR-SUS14	06-29-99	--	--	6.6	--	231	--	--	--	--
EHR-SUS15 (I-40)	06-24-99	--	--	5.9	--	73	--	--	--	--
EHR-SUS16	06-30-99	--	--	6.9	--	173	--	--	--	--
EHR-SUS18 (E-28)	07-14-99	23	5.6	6.3	46	46	35	27	22	--
	07-14-99	--	--	6.2	--	46	--	--	--	--
EHR-SUS19	06-23-99	11	7.0	7.6	1290	787	818	124	101	--
	06-23-99	--	--	7.4	--	793	--	--	--	--
EHR-SUS21	06-29-99	--	--	7.0	--	176	--	--	--	--
EHR-SUS22 (K-76)	06-29-99	--	--	7.6	--	310	--	--	--	--
EHR-SUS23	07-08-99	16	6.9	7.4	316	323	214	145	119	--
	07-08-99	--	--	7.4	--	315	--	--	--	--
EHR-SUS24	06-24-99	--	--	7.4	--	1220	--	--	--	--
HAZEL GREEN WELL	07-01-99	--	--	6.4	--	50	--	--	--	--
MC GEE HEE SPRING	04-26-99	26	6.6	6.7	104	107	70	43	36	--
	07-07-99	--	6.2	6.7	117	122	77	--	43	--
	08-18-99	67	6.7	6.8	115	121	72	56	46	.90
MERIDIANVILLE SPRING	04-27-99	--	7.2	7.1	158	173	104	79	65	--
	07-14-99	--	6.7	6.8	158	165	111	--	--	--
	08-18-99	76	6.8	7.0	153	161	94	75	62	.30
LOCAL IDENTIFIER	DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOSPHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)
EHR-SUS1	07-07-99	.486	<.010	.68	<.050	.011	.022	.90	19	12
EHR-SUS2	07-07-99	.458	<.010	.47	<.050	.009	.020	1.2	52	57
EHR-SUS5	07-07-99	.033	<.010	.39	2.08	.043	.040	.80	97	4.5
EHR-SUS18 (E-28)	07-14-99	<.020	<.010	<.10	.217	.005	<.010	.20	6.2	.75
EHR-SUS19	06-23-99	.144	.039	.18	1.81	.004	.016	.30	160	48
EHR-SUS23	07-08-99	.035	<.010	.10	5.38	.006	.017	1.2	56	2.4
MC GEE HEE SPRING	04-26-99	.029	<.010	.20	2.16	.033	.031	3.1	14	2.6
	07-07-99	.029	<.010	.92	2.30	.008	.013	.30	15	3.1
	08-18-99	<.020	<.010	<.10	2.01	.009	<.010	.30	16	3.3
MERIDIANVILLE SPRING	04-27-99	<.020	<.010	<.10	3.04	.015	.024	.10	25	3.4
	07-14-99	<.020	<.010	<.10	2.86	.012	.022	.30	24	3.3
	08-18-99	<.020	<.010	<.10	2.71	.012	<.010	.20	23	3.3

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LOCAL IDENTIFIER	DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORPTION RATIO (00931)	SODIUM PERCENT (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
EHR-SUS1	07-07-99	68	3	59	1.5	6.5	12	2.0	10	<10
EHR-SUS2	07-07-99	31	.7	16	2.2	28	95	1.6	14	120
EHR-SUS5	07-07-99	4.7	.1	4	1.1	7.6	5.5	.20	10	<10
EHR-SUS18 (E-28)	07-14-99	.83	.1	9	.19	1.1	.57	<.10	8.4	2300
EHR-SUS19	06-23-99	6.2	.1	2	1.1	3.5	480	.28	9.0	18
EHR-SUS23	07-08-99	3.1	.1	4	.55	11	2.8	.14	8.6	<10
MC GEE HEE SPRING	04-26-99	.96	.1	4	1.1	2.4	3.3	<.10	5.9	E6.9
	07-07-99	1.1	.1	4	.49	3.2	1.5	<.10	7.4	<10
	08-18-99	1.1	.1	4	.35	2.5	.87	<.10	8.0	<10
MERIDIANVILLE SPRING	04-27-99	2.6	.1	7	.51	4.1	1.5	<.10	8.4	29
	07-14-99	2.1	.1	6	.45	3.4	1.0	<.10	8.5	<10
	08-18-99	1.9	.1	5	.40	3.3	1.4	<.10	8.6	<10
LOCAL IDENT-LOCAL IDENTIFIER	DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)
EHR-SUS1	07-07-99	<3.0	.046	--	--	--	--	--	--	--
	07-07-99	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	47	<1
EHR-SUS2	07-07-99	6.7	.12	--	--	--	--	--	--	--
	07-07-99	6.6	--	<1.0	<1.0	<1.0	<1.0	<1.0	25	<1
EHR-SUS3	07-01-99	4.8	--	<1.0	<1.0	<1.0	<1.0	<1.0	18	<1
EHR-SUS4	07-06-99	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	44	<1
EHR-SUS5	07-07-99	<3.0	.072	--	--	--	--	--	--	--
	07-07-99	<1.0	--	2.0	<1.0	<1.0	<1.0	19	30	<1
EHR-SUS6 (K-3)	06-28-99	47	--	<1.0	<1.0	<1.0	<1.0	<1.0	46	<1
EHR-SUS7	06-30-99	2.7	--	<1.0	<1.0	<1.0	<1.0	2.3	5.5	<1
EHR-SUS8 (H-02)	06-30-99	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	29	<1
EHR-SUS9 (J-01)	06-30-99	1.1	--	<1.0	<1.0	<1.0	<1.0	<1.0	10	<1
EHR-SUS10	07-06-99	18	--	<1.0	<1.0	<1.0	<1.0	<1.0	34	<1
EHR-SUS11	06-29-99	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	19	<1
EHR-SUS12	06-28-99	31	--	<1.0	<1.0	<1.0	<1.0	<1.0	73	2
EHR-SUS13	06-28-99	1.9	--	1.3	<1.0	<1.0	<1.0	1.4	12	<1
EHR-SUS14	06-29-99	<1.0	--	<1.0	<1.0	<1.0	<1.0	1.6	88	<1
EHR-SUS15 (I-40)	06-24-99	85	--	<1.0	<1.0	<1.0	<1.0	<1.0	16	<1
EHR-SUS16	06-30-99	1.3	--	<1.0	<1.0	<1.0	<1.0	1.3	13	<1
EHR-SUS18 (E-28)	07-14-99	107	.016	--	--	--	--	--	--	--
	07-14-99	99	--	<1.0	<1.0	<1.0	<1.0	<1.0	4.9	<1
EHR-SUS19	06-23-99	72	.022	--	--	--	--	--	--	--
	06-23-99	68	--	<1.0	<1.0	--	<1.0	1.6	14	<1
EHR-SUS21	06-29-99	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	6.9	<1
EHR-SUS22 (K-76)	06-29-99	145	--	<1.0	<1.0	<1.0	<1.0	<1.0	509	<1
EHR-SUS23	07-08-99	24	.048	--	--	--	--	--	--	--
	07-08-99	23	--	<1.0	<1.0	<1.0	<1.0	<1.0	32	<1
EHR-SUS24	06-24-99	48	--	<1.0	<1.0	<1.0	<1.0	2.0	21	<1
HAZEL GREEN WELL	07-01-99	<1.0	--	<1.0	<1.0	<1.0	<1.0	1.9	2.8	<1
MC GEE HEE SPRING	04-26-99	10	<.010	--	--	--	--	--	--	--
	07-07-99	E2.4	.024	--	--	--	--	--	--	--
	08-18-99	E2.2	.021	--	--	--	--	--	--	--
MERIDIANVILLE SPRING	04-27-99	<3.0	.021	--	--	--	--	--	--	--
	07-14-99	<3.0	.029	--	--	--	--	--	--	--
	08-18-99	<3.0	.019	--	--	--	--	--	--	--

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LOCAL IDENTIFIER	DATE	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	CHROMIUM, DIS-SOLVED (UG/L AS CR) (01030)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	SELENIUM, DIS-SOLVED (UG/L AS SE) (01145)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO) (01060)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ALUMINUM, DIS-SOLVED (UG/L AS AL) (01106)
EHR-SUS1	07-07-99	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0	2.6
EHR-SUS2	07-07-99	<1.0	<1.0	<1.0	<1	1.7	<1.0	<1.0	22	<1.0
EHR-SUS3	07-01-99	<1.0	<1.0	5.9	<1	3.7	<1.0	2.4	18	3.1
EHR-SUS4	07-06-99	<1.0	1.7	<1.0	<1	3.4	<1.0	<1.0	7.2	<1.0
EHR-SUS5	07-07-99	<1.0	1.1	<1.0	2	5.3	2.7	<1.0	16	1.3
EHR-SUS6 (K-3)	06-28-99	<1.0	<1.0	<1.0	<1	3.4	<1.0	2.0	6.9	236
EHR-SUS7	06-30-99	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	43	2.4
EHR-SUS8 (H-02)	06-30-99	<1.0	<1.0	<1.0	<1	2.7	<1.0	<1.0	552	<1.0
EHR-SUS9 (J-01)	06-30-99	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	2.0	<1.0
EHR-SUS10	07-06-99	<1.0	<1.0	<1.0	<1	3.5	<1.0	<1.0	269	1.1
EHR-SUS11	06-29-99	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	12	2.2
EHR-SUS12	06-28-99	<1.0	<1.0	<1.0	<1	1.3	1.1	<1.0	1.3	3.0
EHR-SUS13	06-28-99	<1.0	2.6	<1.0	1	2.0	<1.0	<1.0	123	1.5
EHR-SUS14	06-29-99	<1.0	<1.0	<1.0	<1	1.5	<1.0	<1.0	4.1	<1.0
EHR-SUS15 (I-40)	06-24-99	<1.0	<1.0	<1.0	<1	3.6	<1.0	<1.0	6.3	4.5
EHR-SUS16	06-30-99	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	4.3	<1.0
EHR-SUS18 (E-28)	07-14-99	<1.0	<1.0	<1.0	<1	2.2	<1.0	1.3	23	<1.0
EHR-SUS19	06-23-99	<1.0	<1.0	<1.0	<1	6.9	<1.0	<1.0	1.1	3.5
EHR-SUS21	06-29-99	<1.0	<1.0	<1.0	<1	1.0	<1.0	<1.0	11	<1.0
EHR-SUS22 (K-76)	06-29-99	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	4.0	<1.0
EHR-SUS23	07-08-99	<1.0	<1.0	<1.0	<1	1.2	<1.0	<1.0	1.1	2.5
EHR-SUS24	06-24-99	<1.0	<1.0	<1.0	<1	42	31	11	17	<1.0
HAZEL GREEN WELL	07-01-99	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	1.5	<1.0

LOCAL IDENTIFIER	DATE	DI-BROMO-METHANE WHOLE RECOVER (UG/L) (30217)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	CARBON TETRA-CHLORO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)
EHR-SUS1	07-07-99	<.050	<.048	<.088	<.130	<.100	<.180	E.011	E.053	<.100
EHR-SUS2	07-07-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	E.037	<.100
EHR-SUS5	07-07-99	<.050	<.048	<.088	<.130	<.100	<.180	E.068	.105	E.004
EHR-SUS18 (E-28)	07-14-99	<.250	<.240	<.440	<.650	<.500	<.900	<.260	<.250	<.500
EHR-SUS19	06-23-99	<.050	<.048	<.088	<.130	<.100	<.180	<.052	E.022	E.006
EHR-SUS23	07-08-99	<.050	<.048	<.088	<.130	<.100	<.180	E.006	E.036	<.100
MC GEE HEE SPRING	07-07-99	<.050	<.048	<.088	<.130	<.100	<.180	E.021	E.044	<.100
MERIDIANVILLE SPRING	04-27-99	<.050	.117	<.088	E.159	.134	E.112	.418	E.057	E.009

LOCAL IDENTIFIER	DATE	ACRYLO-NITRILE TOTAL (UG/L) (34215)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)	ETHYL-BENZENE TOTAL (UG/L) (34371)	ETHANE HEXA-CHLORO-WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLORO-RIDE TOTAL (UG/L) (34418)	METHYL-ENE CHLORO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)
EHR-SUS1	07-07-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
EHR-SUS2	07-07-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
EHR-SUS5	07-07-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	E.050
EHR-SUS18 (E-28)	07-14-99	<6.00	<.140	<.600	<.150	<1.80	<.750	<1.25	<1.90	<.500
EHR-SUS19	06-23-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
EHR-SUS23	07-08-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
MC GEE HEE SPRING	07-07-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	<.100
MERIDIANVILLE SPRING	07-14-99	<1.20	<.028	<.120	<.030	<.360	<.150	<.250	<.380	E.038

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		TOTAL (UG/L) (34488)	TOTAL (UG/L) (34496)	TOTAL (UG/L) (34501)	TOTAL (UG/L) (34506)	TOTAL (UG/L) (34511)	REC (UG/L) (34516)	REC (UG/L) (34536)	TOTAL (UG/L) (34541)	TOTAL (UG/L) (34546)
EHR-SUS1	07-07-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
EHR-SUS2	07-07-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
EHR-SUS5	07-07-99	<.090	<.066	<.044	E.034	<.064	<.130	<.048	<.068	<.032
EHR-SUS18 (E-28)	07-14-99	<.450	<.330	<.220	<.160	<.320	<.650	<.240	<.340	<.160
EHR-SUS19	06-23-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
EHR-SUS23	07-08-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
MCGEEHEE SPRING	07-07-99	<.090	<.066	<.044	<.032	<.064	<.130	<.048	<.068	<.032
MERIDIANVILLE SPRING	07-14-99	<.090	<.066	E.083	E.054	<.064	<.130	<.048	6.40	<.032
LOCAL IDENTIFIER	DATE	BENZENE 1,2,4-TRI-CHLORO-WAT UNF	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD	DI-CHLORO-DI-FLUORO-METHANE	NAPHTH-ALENE	TRANS-1,3-DI-CHLORO-PROPENE	CIS 1,3-DI-CHLORO-PROPENE	VINYL CHLO-RIDE	TRI-CHLORO-ETHYL-ENE
		REC (UG/L) (34551)	REC (UG/L) (34566)	REC (UG/L) (34571)	TOTAL (UG/L) (34668)	TOTAL (UG/L) (34696)	TOTAL (UG/L) (34699)	TOTAL (UG/L) (34704)	TOTAL (UG/L) (39175)	TOTAL (UG/L) (39180)
EHR-SUS1	07-07-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
EHR-SUS2	07-07-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
EHR-SUS5	07-07-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
EHR-SUS18 (E-28)	07-14-99	<.950	<.270	<.250	<.700	<.125	<.650	<.450	<.550	<.190
EHR-SUS19	06-23-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
EHR-SUS23	07-08-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
MCGEEHEE SPRING	07-07-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	<.038
MERIDIANVILLE SPRING	07-14-99	<.190	<.054	<.050	<.140	<.250	<.130	<.090	<.110	3.48
LOCAL IDENTIFIER	DATE	HEXA-CHLORO-BUT-ADIENE	METHYL ACRY-LATE WATER UNFLTRD	PREH-NITENE WATER UNFLTRD	ISO-DURENE WATER UNFLTRD	BROMO-ETHENE WATER UNFLTRD	ETHER TERT-BUTYL ETHYL UNFLTRD	ETHER TERT-PENTYL METHYL UNFLTRD	2BUTENE TRANS-1 4-DI-CHLORO UNFLTRD	METHAC-RYLATE ETHYL-WATER UNFLTRD
		TOTAL (UG/L) (39702)	RECOVER (UG/L) (49991)	RECOVER (UG/L) (49999)	RECOVER (UG/L) (50000)	RECOVER (UG/L) (50002)	RECOVER (UG/L) (50004)	RECOVER (UG/L) (50005)	RECOVER (UG/L) (73547)	RECOVER (UG/L) (73570)
EHR-SUS1	07-07-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
EHR-SUS2	07-07-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
EHR-SUS5	07-07-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
EHR-SUS18 (E-28)	07-14-99	<.700	<7.00	<1.15	<1.00	<.500	<.270	<.550	<3.50	<1.40
EHR-SUS19	06-23-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
EHR-SUS23	07-08-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
MCGEEHEE SPRING	07-07-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
MERIDIANVILLE SPRING	07-14-99	<.140	<1.40	<.230	<.200	<.100	<.054	<.110	<.700	<.280
LOCAL IDENTIFIER	DATE	CARBON DI-SULFIDE WATER WHOLE	CIS-1,2-DI-CHLORO-ETHENE WATER WHOLE	2-HEXA-NONE WATER WHOLE	STYRENE	1,1-DI-O-XYLENE WATER WHOLE	2,2-DI-CHLORO-PRO-PENE, WAT. WH	CHLORO-PRO-PANE WAT. WH	1,3-DI-CHLORO-PROPANE WAT. WH	
		TOTAL (UG/L) (77041)	TOTAL (UG/L) (77093)	TOTAL (UG/L) (77103)	TOTAL (UG/L) (77128)	TOTAL (UG/L) (77135)	TOTAL (UG/L) (77168)	TOTAL (UG/L) (77170)	TOTAL (UG/L) (77173)	
EHR-SUS1	07-07-99	<.370	<.038	<.700	E.023	<.060	<.026	<.078	<.120	
EHR-SUS2	07-07-99	<.370	<.038	<.700	E.019	<.060	<.026	<.078	<.120	
EHR-SUS5	07-07-99	<.370	<.038	<.700	E.038	<.060	<.026	<.078	<.120	
EHR-SUS18 (E-28)	07-14-99	<1.85	<.190	<3.50	<.210	<.300	<.130	<.390	<.600	
EHR-SUS19	06-23-99	E.115	<.038	<.700	E.026	<.060	<.026	<.078	<.120	
EHR-SUS23	07-08-99	<.370	<.038	<.700	E.020	<.060	<.026	<.078	<.120	
MCGEEHEE SPRING	07-07-99	E.019	<.038	<.700	E.023	<.060	<.026	<.078	<.120	
MERIDIANVILLE SPRING	07-14-99	<.370	E.016	<.700	E.034	<.060	<.026	<.078	<.120	

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LOCAL IDENTIFIER	DATE	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)
EHR-SUS1	07-07-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
EHR-SUS2	07-07-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
EHR-SUS5	07-07-99	<.100	<.120	E.013	<.032	<.042	<.044	<.042	<.056
EHR-SUS18 (E-28)	07-14-99	<.500	<.600	<.280	<.160	<.210	<.220	<.210	<.280
EHR-SUS19	06-23-99	<.100	<.120	E.018	<.032	<.042	<.044	<.042	<.056
EHR-SUS23	07-08-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
MCGEEHEE SPRING	07-07-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
MERIDIANVILLE SPRING	07-14-99	<.100	<.120	<.056	<.032	<.042	<.044	<.042	<.056
LOCAL IDENTIFIER	DATE	METHANE BROMO CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)
EHR-SUS1	07-07-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
EHR-SUS2	07-07-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
EHR-SUS5	07-07-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
EHR-SUS18 (E-28)	07-14-99	<.220	<.950	<.240	<.500	<.550	<1.05	<.800	<.220
EHR-SUS19	06-23-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
EHR-SUS23	07-08-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
MCGEEHEE SPRING	07-07-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
MERIDIANVILLE SPRING	07-14-99	<.044	<.190	<.048	<.100	<.110	<.210	<.160	<.044
LOCAL IDENTIFIER	DATE	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)
EHR-SUS1	07-07-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
EHR-SUS2	07-07-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
EHR-SUS5	07-07-99	<.270	<.036	<.032	E.078	<.200	<.370	<5.00	<.036
EHR-SUS18 (E-28)	07-14-99	<1.35	<.180	<.160	<.850	<1.00	<1.85	<25.0	<.180
EHR-SUS19	06-23-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
EHR-SUS23	07-08-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
MCGEEHEE SPRING	07-07-99	<.270	<.036	<.032	<.170	<.200	<.370	<5.00	<.036
MERIDIANVILLE SPRING	07-14-99	<.270	<.036	E.019	<.170	<.200	<.370	<5.00	<.036
LOCAL IDENTIFIER	DATE	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	METH- ACRYLO- NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)
EHR-SUS1	07-07-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
EHR-SUS2	07-07-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
EHR-SUS5	07-07-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
EHR-SUS18 (E-28)	07-14-99	<.850	<.490	<2.85	<8.00	<1.75	<45.0	<1.05	<.300
EHR-SUS19	06-23-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	E.025
EHR-SUS23	07-08-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
MCGEEHEE SPRING	07-07-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	<.060
MERIDIANVILLE SPRING	07-14-99	<.170	<.098	<.570	<1.60	<.350	<9.00	<.210	E.016

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EHR-SUS1	07-07-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
EHR-SUS2	07-07-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
EHR-SUS5	07-07-99	<.0070	<.0020	<.0050	.0256	E.0071	<.0040	<.0030	<.0020
EHR-SUS18 (E-28)	07-14-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
EHR-SUS19	06-23-99	<.0070	<.0020	<.0050	<.0180	E.0097	<.0040	<.0030	<.0020
EHR-SUS23	07-08-99	<.0070	<.0020	<.0050	<.0180	E.222	<.0040	<.0030	<.0020
MCGEETEE SPRING	04-26-99	<.0070	<.0020	<.0050	<.0180	E.0113	<.0040	<.0030	<.0020
	07-07-99	<.0070	<.0020	<.0050	<.0180	E.0103	<.0040	<.0030	<.0020
	08-18-99	<.0070	<.0020	<.0050	<.0180	E.0082	<.0040	<.0030	<.0020
MERIDIANVILLE SPRING	04-27-99	<.0070	<.0020	<.0050	<.0180	E.0144	<.0040	<.0030	<.0020
	07-14-99	<.0070	<.0020	<.0050	<.0180	<.0020	<.0040	<.0030	<.0020
	08-18-99	<.0070	<.0020	<.0050	<.0180	E.0125	<.0040	<.0030	<.0020
LOCAL IDENTIFIER	DATE	P,P' DDE DISSOLV (UG/L) (34653)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	LINDANE DIS-SOLVED (UG/L) (39341)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	MALA-THION, DIS-SOLVED (UG/L) (39532)	PARA-THION, DIS-SOLVED (UG/L) (39542)
EHR-SUS1	07-07-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
EHR-SUS2	07-07-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
EHR-SUS5	07-07-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
EHR-SUS18 (E-28)	07-14-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
EHR-SUS19	06-23-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
EHR-SUS23	07-08-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
MCGEETEE SPRING	04-26-99	<.0060	<.0020	<.0040	<.004	<.001	.011	<.005	<.004
	07-07-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
	08-18-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
MERIDIANVILLE S SPRING	04-27-99	<.0060	<.0020	<.0040	<.004	.006	.005	<.005	<.004
	07-14-99	<.0060	<.0020	<.0040	<.004	<.001	<.002	<.005	<.004
	08-18-99	<.0060	<.0020	<.0040	<.004	<.001	.004	<.005	<.004
LOCAL IDENTIFIER	DATE	DI-AZINON, DIS-SOLVED (UG/L) (39572)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALA-CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)
EHR-SUS1	07-07-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
EHR-SUS2	07-07-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
EHR-SUS5	07-07-99	<.002	.007	<.002	<.0020	<.0020	<.0030	<.004	<.0030
EHR-SUS18 (E-28)	07-14-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
EHR-SUS19	06-23-99	<.002	.018	<.002	<.0020	<.0020	<.0030	<.004	<.0030
EHR-SUS23	07-08-99	<.002	.086	<.002	<.0020	<.0020	<.0030	<.004	<.0030
MCGEETEE SPRING	04-26-99	<.002	.029	<.002	<.0020	<.0020	<.0030	<.004	<.0030
	07-07-99	<.002	.006	<.002	<.0020	<.0020	<.0030	<.004	<.0030
	08-18-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030
MERIDIANVILLE SPRING	04-27-99	<.002	.020	<.002	<.0020	<.0020	<.0030	<.004	<.0030
	07-14-99	<.002	<.020	<.002	<.0020	<.0020	<.0030	<.004	<.0030
	08-18-99	<.002	<.001	<.002	<.0020	<.0020	<.0030	<.004	<.0030

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER TENNESSEE RIVER STUDY UNIT

MULTIPLE STATION ANALYSES

LOCAL IDENTIFIER	DATE	TRI- FLUR- ALIN WAT FLT 0.7 U	ETHAL- FLUR- ALIN WAT FLT 0.7 U	PHORATE WATER FLTRD 0.7 U	TER- BACIL WATER FLTRD 0.7 U	METHYL PARA- THION WAT FLT 0.7 U	EPTC WATER FLTRD 0.7 U	PEB- ULATE WATER FLTRD 0.7 U	TEBU- THIURON WATER FLTRD 0.7 U
		GF, REC (UG/L) (82661)	GF, REC (UG/L) (82663)	GF, REC (UG/L) (82664)	GF, REC (UG/L) (82665)	GF, REC (UG/L) (82667)	GF, REC (UG/L) (82668)	GF, REC (UG/L) (82669)	GF, REC (UG/L) (82670)
EHR-SUS1	07-07-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
EHR-SUS2	07-07-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
EHR-SUS5	07-07-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	.0341
EHR-SUS18 (E-28)	07-14-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
EHR-SUS19	06-23-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
EHR-SUS23	07-08-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
MCGEEHEE SPRING	04-26-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
	07-07-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
	08-18-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
MERIDIANVILLE SPRING	04-27-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
	07-14-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
	08-18-99	<.0020	<.0040	<.0020	<.0070	<.0060	<.0020	<.0040	<.0100
LOCAL IDENTIFIER	DATE	MOL- INATE WATER FLTRD 0.7 U	ETHO- PROP WATER FLTRD 0.7 U	BEN- FLUR- ALIN WAT FLD 0.7 U	CARBO- FURAN WATER FLTRD 0.7 U	TER- BUFOS WATER FLTRD 0.7 U	PRON- AMIDE WATER FLTRD 0.7 U	DISUL- FOTON WATER FLTRD 0.7 U	TRIAL- LATE WATER FLTRD 0.7 U
		GF, REC (UG/L) (82671)	GF, REC (UG/L) (82672)	GF, REC (UG/L) (82673)	GF, REC (UG/L) (82674)	GF, REC (UG/L) (82675)	GF, REC (UG/L) (82676)	GF, REC (UG/L) (82677)	GF, REC (UG/L) (82678)
EHR-SUS1	07-07-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
EHR-SUS2	07-07-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
EHR-SUS5	07-07-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
EHR-SUS18 (E-28)	07-14-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
EHR-SUS19	06-23-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
EHR-SUS23	07-08-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
MCGEEHEE SPRING	04-26-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
	07-07-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
	08-18-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
MERIDIANVILLE SPRING	04-27-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
	07-14-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
	08-18-99	<.0040	<.0030	<.0020	<.0030	<.0130	<.0030	<.0170	<.0010
LOCAL IDENTIFIER	DATE	PRO- PANIL WATER FLTRD 0.7 U	THIO- BENCARB WATER FLTRD 0.7 U	PENDI- METH- ALIN WAT FLT 0.7 U	NAPROP- AMIDE WATER FLTRD 0.7 U	PRO- PARGITE WATER FLTRD 0.7 U	METHYL AZIN- PHOS WAT FLT 0.7 U	PER- METHRIN CIS WAT FLT 0.7 U	
		GF, REC (UG/L) (82679)	GF, REC (UG/L) (82681)	GF, REC (UG/L) (82683)	GF, REC (UG/L) (82684)	GF, REC (UG/L) (82685)	GF, REC (UG/L) (82686)	GF, REC (UG/L) (82687)	
EHR-SUS1	07-07-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
EHR-SUS2	07-07-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
EHR-SUS5	07-07-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
EHR-SUS18 (E-28)	07-14-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
EHR-SUS19	06-23-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
EHR-SUS23	07-08-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
MCGEEHEE SPRING	04-26-99	<.0040	<.0020	<.0100	<.0030	<.0130	<.0010	<.0050	
	07-07-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
	08-18-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
MERIDIANVILLE SPRING	04-27-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
	07-14-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	
	08-18-99	<.0040	<.0020	<.0040	<.0030	<.0130	<.0010	<.0050	

PRECIPITATION-QUALITY DATA

322710087140401 PRECIPITATION STATION NEAR MARION JUNCTION, AL

LOCATION.--Lat 32°27'10", long 87°14'04", Hydrologic Unit 03150203, NE¹/₄SE¹/₄SW¹/₄ sec. 11, T. 17 N., R. 8 E., in Dallas County.

PERIOD OF RECORD.--August 1983 to current year.

INSTRUMENTATION.--An automatic wet-dry precipitation collector is used to collect 7-day accumulations. The collector is equipped with a precipitation sensor which activates a motor to operate the sample bucket cover. The sample bucket remains uncovered for the duration of each precipitation event and covered during dry periods. Dryfall samples are not collected. A standard 8.0-inch recording rain gage is used to obtain on-site precipitation records.

REMARKS.--Weekly samples are collected on Tuesday at 0700 a.m. These data are part of the data for this site verified by the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Coordinator. Additional data are available from the NADP/NTN Coordinator, Natural Resource Ecology Laboratory, Fort Collins, CO 80523. Finalized quality assured data from all 200 NADP/NTN sites are available on-line via the internet at <http://btdqs.usgs.gov/acidrain>.

TABLE 3.--PEAK DISCHARGES AND PEAKS ABOVE BASE FOR WATER YEAR, 1999

The following list contains the annual peak gage heights and discharges along with peaks above base for gaging stations and flood hydrograph sites. This list is supplemental to data published within the manuscript page earlier in this report. Data such as annual peak gage height and discharge may already appear in this report but is retained in this table to simplify usage. Peak stages for stage-only stations and information for other miscellaneous stations are also included. The table gives station number, station name, peak gage height and discharge (if applicable), peaks above base gage heights and discharge, and other pertinent remarks. Annual peak gage heights and discharges are noted with the symbol (*). Discharges noted with the symbol (1) are mean daily values and not instantaneous peaks and those noted with the symbol (e) are estimated.

APALACHICOLA RIVER BASIN

02342500 Uchee Creek near Fort Mitchell (base discharge, 4,500 ft³/s)02-01-99 *6.67 ft *3,620 ft³/s02342933 South Fork Cowikee Creek near Batesville (base discharge, 3,500 ft³/s)03-14-99 *20.70 ft *6,520 ft³/s

0234296910 Chattahoochee River at Coast Guard Dock at Eufaula

02-02-99 *190.22 ft

CHOCTAWHATCHEE RIVER BASIN

02361000 Choctawhatchee River near Newton (base discharge, 5,000 ft³/s)10-01-98 *21.51 ft *9,560 ft³/s 06-29-99 15.86 ft 5,960 ft³/s05-08-99 14.43 ft 5,180 ft³/s02362240 Little Double Bridges Creek near Enterprise (base discharge 400 ft³/s)01-23-99 *7.40 ft *463 ft³/s02363000 Pea River near Ariton (base discharge, 4,000 ft³/s)10-01-98 *14.67 ft *5,880 ft³/s 03-16-99 13.91 ft 5,400 ft³/s

02363005 Pea River tributary near Roeton

05-07-99 *6.23 ft *137 ft³/s

02364000 Pea River at Elba

03-14-99 *20.51 ft

BLACKWATER RIVER BASIN

02369800 Blackwater River near Bradley (base discharge, 1,000 ft³/s)07-13-99 *5.90 ft *601 ft³/s

ESCAMBIA RIVER BASIN

02371500 Conecuh River at Brantley (base discharge, 4,000 ft³/s)03-18-99 15.85 ft 4,630 ft³/s 07-01-99 *18.40 ft *6,980 ft³/s02372250 Patsaliga Creek near Brantley (base discharge, 4,000 ft³/s)03-17-99 19.47 ft 5,360 ft³/s 07-01-99 *19.65 ft *5,760 ft³/s

02372422 Conecuh River below Point A Dam at River Falls

07-02-99 *27.18 ft *13,100 ft³/s02373000 Sepulga River near McKenzie (base discharge, 3,500 ft³/s)10-01-98 *27.19 ft *32,800 ft³/s 06-29-99 11.93 ft 6,540 ft³/s03-16-99 15.65 ft 9,410 ft³/s

02374250 Conecuh River at State Highway 41 near Brewton

07-04-99 *23.09 ft *15,200 ft³/s

PEAK DISCHARGES AND PEAKS ABOVE BASE FOR WATER YEAR, 1999--Continued

02374500 Murder Creek near Evergreen (base discharge, 2,000 ft ³ /s)					
03-15-99	*10.72 ft	*2,500 ft ³ /s			
02374745 Burnt Corn Creek at State Highway 41 near Brewton (base discharge, 2,000 ft ³ /s)					
03-14-99	*12.22 ft	*3,500 ft ³ /s			
PERDIDO RIVER BASIN					
02376115 Elevenmile Creek near Pensacola, FL (base discharge, 1,000 ft ³ /s)					
03-14-99	*7.24 ft	*593 ft ³ /s			
02376500 Perdido River at Barrineau Park, FL (base discharge, 4,000 ft ³ /s)					
06-28-99	*14.90 ft	*7,660 ft ³ /s	03-16-99	11.78 ft	4,340 ft ³ /s
02377570 Styx River near Elsanor (base discharge, 3,000 ft ³ /s)					
06-28-99	e*9.00 ft	e*2,200 ft ³ /s			
FISH RIVER BASIN					
02378500 Fish River near Silver Hill (base discharge, 750 ft ³ /s)					
06-11-99	*9.05 ft	*665 ft ³ /s			
MOBILE RIVER BASIN					
02398300 Chattooga River above Gaylesville (base discharge, 5,000 ft ³ /s)					
01-23-99	*14.17 ft	*4,980 ft ³ /s			
02398950 West Fork Little River at Desoto State Park near Fort Payne (base discharge, 1,000 ft ³ /s)					
01-14-99	8.17 ft	1,200 ft ³ /s	05-06-99	9.47 ft	1,900 ft ³ /s
01-23-99	*10.33 ft	*2,480 ft ³ /s			
02399200 Little River near Blue Pond (base discharge, 6,000 ft ³ /s)					
01-23-99	*9.76 ft	*12,500 ft ³ /s	05-06-99	8.66 ft	8,860 ft ³ /s
02399500 Coosa River at Leesburg					
05-18-99	*564.85 ft				
02400100 Terrapin Creek at Ellisville (base discharge, 4,000 ft ³ /s)					
01-23-99	*12.02 ft	*3,220 ft ³ /s			
02400496 Coosa River at Gadsden Steamplant near Gadsden					
07-14-99	*23.40 ft				
02400500 Coosa River at Gadsden					
07-14-99	*22.94 ft				
02401000 Big Wills Creek near Reece City (base discharge, 3,600 ft ³ /s)					
01-24-99	*10.00 ft	*3,580 ft ³ /s			
02401390 Big Canoe Creek at Ashville (base discharge, 3,500 ft ³ /s)					
01-23-99	*14.10 ft	*4,120 ft ³ /s			
02404400 Choccolocco Creek at Jackson Shoals near Lincoln (base discharge, 5,000 ft ³ /s)					
01-23-99	*22.92 ft	*3,670 ft ³ /s			
02405500 Kelly Creek near Vincent (base discharge, 5,000 ft ³ /s)					
02-01-99	15.52 ft	5,400 ft ³ /s	06-29-99	*16.21 ft	*5,830 ft ³ /s

PEAK DISCHARGES AND PEAKS ABOVE BASE FOR WATER YEAR, 1999--Continued

02406500 Talladega Creek at Alpine (base discharge, 2,500 ft³/s)					
01-23-99	*9.10 ft	*1,470 ft³/s			
02407000 Coosa River at Childersburg					
01-26-99	*17.15 ft				
02407526 Coosa River at Gaston Steamplant near Wilsonville					
02-01-99	*15.06 ft				
02408540 Hatchet Creek below Rockford (base discharge, 3,800 ft³/s)					
01-31-99	*13.11 ft	*6,760 ft³/s			
02411000 Coosa River at Jordan Dam, near Wetumpka					
01-31-99	(1) *84,900 ft³/s				
02411600 Coosa River at Wetumpka					
01-31-99	*28.80 ft				
02412000 Tallapoosa River near Heflin (base discharge, 4,000 ft³/s)					
06-29-99	12.01 ft	4,150 ft³/s	07-01-99	*12.55 ft	*4,400 ft³/s
02413300 Little Tallapoosa River near Newell (base discharge, 4,000 ft³/s)					
06-28-99	*9.88 ft	*4,320 ft³/s			
02414500 Tallapoosa River at Wadley (base discharge, 20,000 ft³/s)					
01-23-99	*11.39 ft	*16,100 ft³/s			
02414525 High Pine Creek near Roanoke (base discharge, 1,000 ft³/s)					
01-23-99	6.94 ft	1,190 ft³/s	07-11-99	7.59 ft	1,470 ft³/s
03-13-99	6.67 ft	1,040 ft³/s	07-25-99	9.35 ft	2,220 ft³/s
06-16-99	*11.65 ft	*3,370 ft³/s			
02414715 Tallapoosa River near New Site (base discharge, 24,000 ft³/s)					
01-24-99	*8.66 ft	*17,200 ft³/s			
02415000 Hillabee Creek near Hackneyville (base discharge, 4,500 ft³/s)					
01-31-99	*12.79 ft	*3,700 ft³/s			
02416481 Norrell Branch near Dadeville					
01-23-99	*4.06 ft	*19 ft³/s			
02418500 Tallapoosa River below Tallassee					
06-29-99	(1) *20,900 ft³/s				
02419000 Uphabee Creek near Tuskegee (base discharge, 5,000 ft³/s)					
03-15-99	*9.93 ft	*3,930 ft³/s			
02419500 Tallapoosa River at Milstead					
06-29-99	*23.18 ft				
02419890 Tallapoosa River near Montgomery					
06-29-99	*19.90 ft	*29,700 ft³/s			
02419988 Alabama River at Montgomery					
01-31-99	*32.13 ft				
02420000 Alabama River near Montgomery					
01-31-99	*35.44 ft	*94,000 ft³/s			

PEAK DISCHARGES AND PEAKS ABOVE BASE FOR WATER YEAR, 1999--Continued

02421000 Catoma Creek near Montgomery (base discharge, 5,000 ft ³ /s)					
02-01-99	*17.17 ft	*4,400 ft ³ /s			
02421105 Pintlalla Creek tributary near Sellers					
05-07-99	*8.14 ft	*130 ft ³ /s			
02421115 Pintlalla Creek at Liberty Church Road near Pintlalla (base discharge, 2,000 ft ³ /s)					
06-28-99	*15.11 ft	*2,500 ft ³ /s			
02422500 Mulberry Creek at Jones (base discharge, 4,000 ft ³ /s)					
01-31-99	*11.65 ft	*6,370 ft ³ /s			
02423000 Alabama River at Selma					
02-01-99	*40.40 ft				
02423130 Cahaba River at Trussville (base discharge, 1,500 ft ³ /s)					
06-28-99	*7.24 ft	*2,820 ft ³ /s	07-02-99	5.52 ft	1,620 ft ³ /s
06-30-99	5.44 ft	1,570 ft ³ /s			
02423190 Big Black Creek near Leeds (base discharge, 600 ft ³ /s)					
01-23-99	9.71 ft	1,190 ft ³ /s	03-14-99	8.42 ft	945 ft ³ /s
01-31-99	7.75 ft	824 ft ³ /s	06-28-99	*17.19 ft	*2,900 ft ³ /s
02423380 Cahaba River near Mountain Brook (base discharge, 3,500 ft ³ /s)					
06-28-99	*15.11 ft	*11,000 ft ³ /s			
02423397 Little Cahaba River below Leeds (base discharge, 700 ft ³ /s)					
01-07-98	*11.52 ft	*2,150 ft ³ /s	06-28-99	*12.92 ft	*2,960 ft ³ /s
02423398 Little Cahaba River near Leeds (base discharge, 850 ft ³ /s)					
06-28-99	*12.11 ft	*3,100 ft ³ /s			
02423400 Little Cahaba River near Jefferson Park (base discharge, 800 ft ³ /s)					
06-28-99	*6.06 ft	*3,520 ft ³ /s			
02423410 Little Cahaba River below Lake Purdy Dam near Cahaba Heights					
06-29-99	*5.26 ft	*1,440 ft ³ /s			
02423425 Cahaba River near Cahaba Heights (base discharge, 4,000 ft ³ /s)					
06-29-99	*24.00 ft	*15,800 ft ³ /s			
02423496 Cahaba River near Hoover (base discharge, 4,500 ft ³ /s)					
01-31-99	17.69 ft	4,790 ft ³ /s	06-29-99	*29.67 ft	*10,200 ft ³ /s
02423500 Cahaba River near Acton (base discharge, 4,500 ft ³ /s)					
01-31-99	17.30 ft	5,090 ft ³ /s	06-29-99	*28.10 ft	*10,400 ft ³ /s
02423555 Cahaba River near Helena (base discharge, 6,500 ft ³ /s)					
01-31-99	16.15 ft	6,770 ft ³ /s	06-29-99	*21.28 ft	*9,770 ft ³ /s
02423630 Shades Creek near Greenwood (base discharge, 2,000 ft ³ /s)					
01-23-99	12.93 ft	2,050 ft ³ /s	06-29-99	*13.83 ft	*3,350 ft ³ /s
01-31-99	13.72 ft	3,160 ft ³ /s			
02424000 Cahaba River at Centreville (base discharge, 20,000 ft ³ /s)					
01-31-99	*25.76 ft	*24,400 ft ³ /s			
02424590 Cahaba River near Suttle (base discharge, 16,000 ft ³ /s)					
02-02-99	*33.29 ft	*23,300 ft ³ /s			

PEAK DISCHARGES AND PEAKS ABOVE BASE FOR WATER YEAR, 1999--Continued

0242500 Cahaba River near Marion Junction (base discharge, 14,000 ft ³ /s)					
02-03-99	*33.12 ft	*26,700 ft ³ /s	03-16-99	21.81 ft	14,100 ft ³ /s
02427250 Pine Barren Creek near Snow Hill (base discharge, 5,000 ft ³ /s)					
03-15-99	*20.48 ft	*7,190 ft ³ /s			
02428400 Alabama River at Claiborne Lock and Dam near Monroeville					
02-04-99	*47.26 ft	*143,000 ft ³ /s			
02428401 Alabama River below Claiborne Lock and Dam, near Monroeville					
02-04-99	*46.72 ft				
02438000 Buttahatchee River below Hamilton (base discharge, 7,000 ft ³ /s)					
01-23-99	*21.97 ft	*15,300 ft ³ /s	05-06-99	18.36 ft	11,400 ft ³ /s
02442500 Luxapallila Creek at Millport (base discharge, 4,000 ft ³ /s)					
12-28-98	10.57 ft	4,030 ft ³ /s	01-31-99	12.23 ft	6,340 ft ³ /s
01-24-99	*13.54 ft	*12,200 ft ³ /s			
02443730 Kincaide Creek tributary near Ethelsville					
01-23-99	*3.40 ft	*46 ft ³ /s			
02444160 Tombigbee River at Bevill Lock and Dam near Pickensville					
02-01-99	*46.10 ft	*112,000 ft ³ /s			
02444490 Bogue Chitto Creek near Memphis (base discharge, 3,500 ft ³ /s)					
01-23-99	15.51 ft	4,420 ft ³ /s	06-28-99	14.34 ft	3,800 ft ³ /s
01-30-99	*16.29 ft	*4,870 ft ³ /s			
02444500 Tombigbee River near Cochrane					
01-26-99	*33.95 ft				
02446500 Sipsey River near Elrod (base discharge, 4,500 ft ³ /s)					
01-26-99	*16.34 ft	*14,000 ft ³ /s			
02447025 Tombigbee River at Gainesville Lock and Dam near Gainesville					
12-24-98	*37.32 ft		01-24-99		*92,500 ft ³ /s
02448500 Noxubee River near Geiger					
02-03-99	*38.69 ft	*19,200 ft ³ /s			
02448900 Bodka Creek near Geiger (base discharge, 5,000 ft ³ /s)					
01-31-99	*22.87 ft	*14,800 ft ³ /s	03-14-99	19.29 ft	5,280 ft ³ /s
02449840 Duck River near Berlin					
01-23-99	*11.58 ft				
02449882 Blue Springs Creek near Blountsville (base discharge, 600 ft ³ /s)					
01-23-99	*8.26 ft	*1,250 ft ³ /s	06-28-99	7.63 ft	1,010 ft ³ /s
05-06-99	7.00 ft	790 ft ³ /s			
02450000 Mulberry Fork near Garden City (base discharge, 13,000 ft ³ /s)					
01-23-99	*17.12 ft	*28,500 ft ³ /s			
02450180 Mulberry Fork near Arkadelphia (base discharge, 11,000 ft ³ /s)					
01-23-99	*29.90 ft	*17,600 ft ³ /s			
02450250 Sipsey Fork near Grayson (base discharge, 4,000 ft ³ /s)					
01-23-99	*36.78 ft	*13,500 ft ³ /s	05-06-99	18.95 ft	4,470 ft ³ /s

PEAK DISCHARGES AND PEAKS ABOVE BASE FOR WATER YEAR, 1999--Continued

02450825 Clear Creek at New Hope Church near Popular Spring (base discharge, 4,000 ft ³ /s)					
01-23-99	*17.74 ft	*11,500 ft ³ /s			
02453000 Blackwater Creek near Manchester (base discharge, 2,500 ft ³ /s)					
01-25-99	*8.46 ft	*4,400 ft ³ /s	05-06-99	6.81 ft	2,740 ft ³ /s
02453500 Mulberry Fork at Cordova					
01-24-99	*16.22 ft				
02454055 Lost Creek above Parrish (base discharge, 3,000 ft ³ /s)					
01-24-99	*20.55 ft	*5,240 ft ³ /s	05-07-99	17.94 ft	3,970 ft ³ /s
01-31-99	18.99 ft	4,460 ft ³ /s			
02454995 Graves Creek below Blountsville (base discharge, 500 ft ³ /s)					
01-23-99	6.25 ft	683 ft ³ /s	06-28-99	*6.73 ft	*1,040 ft ³ /s
02455000 Locust Fork near Cleveland (base discharge, 8,500 ft ³ /s)					
01-23-99	*10.22 ft	*9,050 ft ³ /s	06-28-99	9.98 ft	8,620 ft ³ /s
02455185 Blackburn Fork of Little Warrior River near Holly Springs					
06-28-99	*6.45 ft	*1,210 ft ³ /s			
02455980 Turkey Creek at Sewage Plant near Pinson (base discharge, 1,500 ft ³ /s)					
01-23-99	*7.71 ft	*1,800 ft ³ /s	06-28-99	7.51 ft	1,530 ft ³ /s
02456500 Locust Fork near Sayre (base discharge, 17,000 ft ³ /s)					
06-29-99	*24.89 ft	*17,800 ft ³ /s			
02456980 Fivemile Creek at Lawson Road near Tarrant (base discharge, 1,700 ft ³ /s)					
01-23-99	5.03 ft	1,810 ft ³ /s	06-28-99	*6.89 ft	*2,850 ft ³ /s
05-06-99	4.98 ft	1,780 ft ³ /s			
02456998 Barton Branch near Tarrant City (base discharge, 600 ft ³ /s)					
01-23-99	4.09 ft	1,020 ft ³ /s	06-28-99	*4.40 ft	*1,510 ft ³ /s
06-15-99	4.29 ft	1,320 ft ³ /s			
02457000 Fivemile Creek at Ketona (base discharge, 1,700 ft ³ /s)					
01-23-99	7.63 ft	2,140 ft ³ /s	06-28-99	*9.76 ft	*2,980 ft ³ /s
05-06-99	6.70 ft	1,760 ft ³ /s			
02457595 Fivemile Creek near Republic (base discharge, 2,500 ft ³ /s)					
01-23-99	9.41 ft	3,960 ft ³ /s	06-28-99	*10.40 ft	*4,630 ft ³ /s
03-14-99	7.34 ft	2,650 ft ³ /s			
02457670 Fivemile Creek below Prudes Creek near Graysville (base discharge, 4,500 ft ³ /s)					
01-23-99	*13.05 ft	*6,300 ft ³ /s	06-28-99	11.51 ft	5,010 ft ³ /s
02458148 Village Creek at 86th Street North at Roebuck (base discharge, 650 ft ³ /s)					
01-23-99	7.41 ft	661 ft ³ /s	06-28-99	*10.10 ft	*1,170 ft ³ /s
05-06-99	8.39 ft	832 ft ³ /s			
02458200 Village Creek at Apalachee Street at Birmingham (base discharge, 2,200 ft ³ /s)					
01-23-99	15.43 ft	2,800 ft ³ /s	06-28-99	*18.10 ft	*3,470 ft ³ /s
05-06-99	15.16 ft	2,730 ft ³ /s			
02458300 Village Creek at 24th Street at Birmingham (base discharge, 3,000 ft ³ /s)					
01-23-99	10.67 ft	4,360 ft ³ /s	06-28-99	*12.09 ft	*5,420 ft ³ /s
05-06-99	10.31 ft	4,110 ft ³ /s			

PEAK DISCHARGES AND PEAKS ABOVE BASE FOR WATER YEAR, 1999--Continued

02458450 Village Creek at Ave. W at Ensley (base discharge, 3,500 ft ³ /s)					
01-23-99	11.30 ft	3,740 ft ³ /s	06-28-99	*12.89 ft	*5,100 ft ³ /s
02458502 Village Creek near Pratt City (base discharge, 3,000 ft ³ /s)					
06-28-99	*14.77 ft	*3,820 ft ³ /s			
02458600 Village Creek near Docena (base discharge, 2,500 ft ³ /s)					
01-23-99	8.96 ft	3,570 ft ³ /s	06-28-99	*9.83 ft	*4,240 ft ³ /s
02461500 Valley Creek near Bessemer (base discharge, 4,000 ft ³ /s)					
01-23-99	12.61 ft	4,260 ft ³ /s	06-28-99	*12.98 ft	*4,680 ft ³ /s
02461630 Halls Creek at Bessemer (base discharge, 350 ft ³ /s)					
01-05-98	9.04 ft	361 ft ³ /s	01-23-99	10.18 ft	469 ft ³ /s
01-07-98	*13.16 ft	*919 ft ³ /s	05-06-99	8.97 ft	354 ft ³ /s
02-26-98	9.96 ft	446 ft ³ /s	06-28-99	*10.48 ft	*502 ft ³ /s
02461640 Valley Creek below Bessemer (base discharge, 4,000 ft ³ /s)					
01-23-99	*10.72 ft	*4,940 ft ³ /s	06-28-99	10.56 ft	4,790 ft ³ /s
02462000 Valley Creek near Oak Grove (base discharge, 5,000 ft ³ /s)					
01-23-99	*16.18 ft	*6,480 ft ³ /s	01-31-99	14.69 ft	5,800 ft ³ /s
02462500 Black Warrior River at Bankhead Lock and Dam near Bessemer					
03-11-99	*255.12 ft		01-31-99		(1) *67,900 ft ³ /s
02462501 Black Warrior River below Bankhead Lock and Dam near Bessemer					
03-09-99	*188.28 ft				
02462951 Black Warrior River at Holt Lock and Dam near Holt					
01-31-99	*187.26 ft	(1) *101,000 ft ³ /s			
02462952 Black Warrior River below Holt Lock and Dam near Holt					
01-31-99	*139.28 ft				
02464000 North River near Samantha (base discharge, 5,000 ft ³ /s)					
01-23-99	15.06 ft	6,880 ft ³ /s	01-31-99	*17.48 ft	*8,450 ft ³ /s
02464146 Turkey Creek near Samantha (base discharge, 300 ft ³ /s)					
01-22-99	*5.91 ft	*639 ft ³ /s	03-13-99	4.69 ft	317 ft ³ /s
01-31-99	5.18 ft	435 ft ³ /s			
02464360 Binion Creek below Gin Creek near Samantha (base discharge, 1,200 ft ³ /s)					
01-23-99	*12.63 ft	*3,030 ft ³ /s	01-31-99	12.46 ft	2,750 ft ³ /s
02464800 Lake Tuscaloosa near Tuscaloosa					
01-31-99	*227.15 ft				
02465000 Black Warrior River at Northport					
01-31-99	e*52.20 ft	e*116,000 ft ³ /s			
02465005 Black Warrior River below Oliver Lock and Dam, at Tuscaloosa					
02-01-99	*46.58 ft				
02465493 Elliotts Creek at Moundville (base discharge, 450 ft ³ /s)					
10-08-98	7.04 ft	1,150 ft ³ /s	06-28-99	7.11 ft	1,240 ft ³ /s
01-30-99	*7.26 ft	*1,460 ft ³ /s			

PEAK DISCHARGES AND PEAKS ABOVE BASE FOR WATER YEAR, 1999--Continued

02466030 Black Warrior River at Selden Lock and Dam near Eutaw					
02-02-99	*99.67 ft	*74,000 ft ³ /s			
02466040 Black Warrior River below Selden Lock, Sawyerville					
02-03-99	*99.26 ft				
02467000 Tombigbee River at Demopolis Lock and Dam, near Coatopa					
02-03-99	*82.74 ft	*179,000 ft ³ /s			
02467001 Tombigbee River below Demopolis Lock and Dam, near Coatopa					
02-03-99	*80.01 ft				
02467500 Sucarnoochee River at Livingston (base discharge, 5,000 ft ³ /s)					
02-02-99	*25.18 ft	*14,200 ft ³ /s			
02469525 Tombigbee River near Nanafalia					
02-05-99	*60.71 ft				
02469761 Tombigbee River at Coffeerville Lock and Dam near Coffeerville					
02-06-99	*43.52 ft	*177,000 ft ³ /s			
02469762 Tombigbee River below Coffeerville Lock and Dam near Coffeerville					
02-05-99	*41.55 ft				
02469795 Harris Creek near Campbell					
06-12-99	*5.14 ft	*260 ft ³ /s			
02469800 Satilpa Creek near Coffeerville (base discharge, 2,600 ft ³ /s)					
01-31-99	*16.54 ft	*15,900 ft ³ /s	03-14-99	14.51 ft	5,300 ft ³ /s
02470072 Bassett Creek at U.S. Highway 43 near Thomasville (base discharge, 500 ft ³ /s)					
01-30-99	*9.73 ft	*1,150 ft ³ /s	06-27-99	9.42 ft	974 ft ³ /s
03-14-99	9.61 ft	1,070 ft ³ /s			
02470630 Mobile River at Barry Power Plant, Bucks					
02-07-99	*13.12 ft	e*338,000 ft ³ /s			
02471001 Chickasaw Creek near Kushla (base discharge, 1,500 ft ³ /s)					
10-08-99	*14.43 ft	*2,920 ft ³ /s	06-27-99	12.01 ft	1,700 ft ³ /s
03-14-99	13.77 ft	2,520 ft ³ /s			
0247100550 Eightmile Creek at Mobile (base discharge, 800 ft ³ /s)					
03-13-99	*6.14 ft	*1,120 ft ³ /s			
02471078 Fowl River at Half Mile Road near Laurendine (base discharge, 500 ft ³ /s)					
03-14-99	*7.05 ft	*521 ft ³ /s			
PASCAGOULA RIVER BASIN					
02479431 Pond Creek near Deer Park (base discharge, 450 ft ³ /s)					
03-14-99	*13.54 ft	*1,730 ft ³ /s			
02479560 Escatawpa River near Agricola, MS (base discharge, 5,000 ft ³ /s)					
02-02-99	*16.43 ft	*8,350 ft ³ /s	03-17-99	16.32 ft	8,120 ft ³ /s
02479945 Big Creek at County Road near Wilmer (base discharge, 600 ft ³ /s)					
10-07-98	*8.35 ft	*654 ft ³ /s			

PEAK DISCHARGES AND PEAKS ABOVE BASE FOR WATER YEAR, 1999--Continued

02479980 Crooked Creek near Fairview (base discharge, 300 ft ³ /s)					
03-14-99	*6.22 ft	*747 ft ³ /s	06-26-99	4.92 ft	356 ft ³ /s
02480002 Hamilton Creek at Snow Road near Semmes (base discharge, 250 ft ³ /s)					
03-14-99	*6.43 ft	*1,210 ft ³ /s	06-26-99	4.58 ft	264 ft ³ /s
TENNESSEE RIVER BASIN					
03573182 Scarham Creek near McVile					
07-12-99	*12.48 ft	*4,260 ft ³ /s			
03574500 Paint Rock near Woodville (base discharge, 6,000 ft ³ /s)					
01-15-99	17.58 ft	8,780 ft ³ /s	05-07-99	18.17 ft	10,700 ft ³ /s
01-24-99	*18.35 ft	*11,100 ft ³ /s			
0357479650 Hester Creek near Plevna					
01-23-99	*8.21 ft	*2,300 ft ³ /s			
03575100 Flint River at Brownsboro					
01-23-99	*20.61 ft	*26,300 ft ³ /s			
0357526200 Big Cove Creek at Dug Hill Road near Huntsville (base discharge, 500 ft ³ /s)					
01-23-99	9.76 ft	667 ft ³ /s	06-28-99	*12.20 ft	*2,360 ft ³ /s
05-06-99	11.08 ft	1,340 ft ³ /s			
03575500 Tennessee River at Whitesburg					
01-25-99	*13.33 ft				
0357568650 Aldridge Creek at Toney Drive at Huntsville (base discharge, 115 ft ³ /s)					
01-22-99	4.92 ft	349 ft ³ /s	06-02-99	3.89 ft	138 ft ³ /s
02-27-99	4.22 ft	196 ft ³ /s	06-28-99	*9.40 ft	*2,320 ft ³ /s
05-05-99	6.78 ft	902 ft ³ /s			
0357568820 Martin Hollow near Huntsville					
06-28-99	*19.00 ft	*2,050 ft ³ /s			
0357568980 Aldridge Creek at Sherwood Drive near Huntsville (base discharge, 300 ft ³ /s)					
01-14-99	6.61 ft	656 ft ³ /s	05-05-99	10.13 ft	2,230 ft ³ /s
01-23-99	7.91 ft	1,120 ft ³ /s	06-28-99	*14.55 ft	*6,150 ft ³ /s
03575700 Aldridge Creek near Farley (base discharge, 1,200 ft ³ /s)					
05-06-99	9.74 ft	3,010 ft ³ /s	06-28-99	*13.78 ft	*7,890 ft ³ /s
03575830 Indian Creek near Madison (base discharge, 1,500 ft ³ /s)					
01-14-99	7.32 ft	1,540 ft ³ /s	05-06-99	7.53 ft	1,750 ft ³ /s
01-23-99	*8.70 ft	*3,260 ft ³ /s	06-28-99	8.61 ft	3,130 ft ³ /s
01-31-99	7.43 ft	1,650 ft ³ /s			
0357586650 Fagan Creek at Adams Street at Huntsville (base discharge, 500 ft ³ /s)					
01-22-99	3.21 ft	661 ft ³ /s	06-03-99	3.17 ft	625 ft ³ /s
05-05-99	3.46 ft	916 ft ³ /s	06-28-99	*5.50 ft	*4,050 ft ³ /s
0357586090 West Fork Pinhook Creek at Blue Springs at Huntsville (base discharge, 350 ft ³ /s)					
01-22-99	*6.81 ft	*357 ft ³ /s			
0357587140 East Fork Pinhook Creek at Winchester Road at Huntsville (base discharge, 125 ft ³ /s)					
01-22-99	*7.91 ft	*322 ft ³ /s	05-05-99	7.35 ft	172 ft ³ /s
0357587400 Pinhook Creek at Mastin Lake Road at Huntsville (base discharge, 500 ft ³ /s)					
01-22-99	*8.02 ft	*1,390 ft ³ /s	05-05-99	6.36 ft	677 ft ³ /s

PEAK DISCHARGES AND PEAKS ABOVE BASE FOR WATER YEAR, 1999--Continued

0357587728 Dallas Branch at Huntsville (base discharge, 500 ft³/s)

01-22-99	3.81 ft	718 ft ³ /s	06-03-99	3.35 ft	591 ft ³ /s
05-05-99	*4.08 ft	*797 ft ³ /s			

03575890 Pinhook Creek at Huntsville (base discharge, 1,600 ft³/s)

01-23-99	*11.43 ft	*4,880 ft ³ /s	06-28-99	10.40 ft	4,040 ft ³ /s
05-05-99	10.96 ft	4,520 ft ³ /s			

0357591500 Broglen Branch at Oakwood Avenue at Huntsville (base discharge, 300 ft³/s)

10-07-98	8.92 ft	375 ft ³ /s	05-05-99	9.36 ft	487 ft ³ /s
01-22-99	*10.47 ft	*752 ft ³ /s	06-28-99	9.23 ft	449 ft ³ /s
02-27-99	9.00 ft	400 ft ³ /s	07-20-99	8.80 ft	340 ft ³ /s

03575933 Broglen Branch at Huntsville (base discharge, 1,500 ft³/s)

01-23-99	8.24 ft	2,060 ft ³ /s	06-28-99	*10.15 ft	*4,120 ft ³ /s
05-05-99	7.50 ft	1,610 ft ³ /s			

03575950 Huntsville Spring Branch near Huntsville (base discharge, 2,500 ft³/s)

12-02-91	*11.35 ft	*2,740 ft ³ /s	10-05-95	12.00 ft	3,430 ft ³ /s
03-23-93	*11.96 ft	*3,390 ft ³ /s	07-31-96	11.54 ft	2,930 ft ³ /s
05-03-93	11.53 ft	2,920 ft ³ /s	09-25-97	*11.93 ft	*3,350 ft ³ /s
02-11-94	*12.74 ft	*4,330 ft ³ /s	05-07-98	*13.72 ft	*5,680 ft ³ /s
02-10-94	11.36 ft	2,750 ft ³ /s	10-26-97	12.21 ft	3,680 ft ³ /s
04-21-95	*11.47 ft	*2,860 ft ³ /s	01-07-98	11.97 ft	3,400 ft ³ /s
02-16-95	11.33 ft	2,720 ft ³ /s	01-23-99	13.68 ft	5,620 ft ³ /s
04-20-96	*13.51 ft	*5,380 ft ³ /s	05-05-99	13.71 ft	5,670 ft ³ /s
10-03-95	12.73 ft	4,320 ft ³ /s	06-28-99	*17.62 ft	*13,300 ft ³ /s

03575980 McDonald Creek near Huntsville (base discharge, 1,500 ft³/s)

08-16-85	*6.45 ft	*1,200 ft ³ /s	06-29-94	* 8.74 ft	*2,180 ft ³ /s
06-29-86	*6.65 ft	*1,280 ft ³ /s	02-10-94	7.73 ft	1,720 ft ³ /s
06-24-87	*8.53 ft	*2,080 ft ³ /s	02-11-94	8.01 ft	1,850 ft ³ /s
01-19-88	*9.63 ft	*2,610 ft ³ /s	06-26-94	8.28 ft	1,970 ft ³ /s
06-08-89	*7.24 ft	*1,520 ft ³ /s	02-16-95	*7.20 ft	*1,500 ft ³ /s
10-01-89	*7.88 ft	*1,790 ft ³ /s	04-20-96	*8.15 ft	*1,910 ft ³ /s
02-03-90	7.23 ft	1,520 ft ³ /s	10-03-95	7.31 ft	1,550 ft ³ /s
12-22-90	*8.27 ft	*1,960 ft ³ /s	10-05-95	7.22 ft	1,510 ft ³ /s
12-02-91	*7.80 ft	*1,760 ft ³ /s	09-25-97	*6.60 ft	*1,260 ft ³ /s
12-02-91	7.79 ft	1,750 ft ³ /s	05-07-98	*11.59 ft	*3,530 ft ³ /s
03-23-93	*8.38 ft	*2,010 ft ³ /s	10-26-97	7.37 ft	1,570 ft ³ /s
06-25-93	8.01 ft	1,850 ft ³ /s	06-28-99	*14.21 ft	*4,560 ft ³ /s
08-13-93	7.71 ft	1,720 ft ³ /s	01-23-99	7.90 ft	1,800 ft ³ /s
			05-06-99	7.54 ft	1,640 ft ³ /s

03576250 Limestone Creek near Athens (base discharge, 3,200 ft³/s)

01-23-99	*13.56 ft	*17,000 ft ³ /s	06-28-99	8.03 ft	3,310 ft ³ /s
05-06-99	8.06 ft	3,350 ft ³ /s			

03576500 Flint Creek near Falkville (base discharge, 2,000 ft³/s)

01-23-99	*12.20 ft	*2,650 ft ³ /s
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03577150 Tennessee River at Decatur

05-08-99	*8.20 ft
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03586500 Big Nance Creek at Courtland (base discharge, 3,800 ft³/s)

01-24-99	*21.98 ft	*11,200 ft ³ /s
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03589500 Tennessee River at Florence

01-24-99	*20.12 ft
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03590680 Tennessee River at Smithsonia

05-08-99	*15.58 ft
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ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER DISCHARGE STATIONS

The following list contains discontinued and currently operated continuous-record streamflow stations on streams within the State of Alabama and near its border with adjacent States. Daily streamflow records were collected and published for the periods of record shown for each station. Some stations have monthly figures published for additional periods other than those noted in the period of record column.

Station number	Station name	Drainage area (mi ²)	Period(s) of record	
02339225	Wehadkee Creek below Rock Mills	60.2	Oct. 01, 1978	to Jan. 31, 1990
02339500	Chattahoochee River at West Point, GA	3,550	Aug. 01, 1896	to Sept. 30, 1999
02341500	Chattahoochee River at Columbus, GA	4,670	Aug. 23, 1929	to Sept. 30, 1999
02342200	Phelps Creek near Opelika	6.67	Oct. 01, 1958	to Sept. 30, 1965
02342500	Uchee Creek near Fort Mitchell	322	Oct. 01, 1946	to Sept. 30, 1999
02342933	South Fork Cowikee Creek near Batesville	112	Oct. 01, 1963	to Sept. 30, 1971
			Oct. 01, 1974	to Sept. 30, 1999
02343000	Barbour Creek near Eufaula	95.4	Oct. 01, 1953	to Sept. 30, 1958
02343260	Chattahoochee River at Fort Gaines, GA	7,570	Oct. 01, 1960	to Sept. 30, 1962
02343300	Abbie Creek near Haleburg	146	Oct. 01, 1958	to Sept. 30, 1971
			Oct. 01, 1974	to Aug. 05, 1993
02343500	Chattahoochee River at Columbia	8,040	July 27, 1928	to Sept. 30, 1960
02343700	Stevenson Creek near Headland	14.0	Oct. 01, 1959	to Sept. 30, 1965
02343801	Chattahoochee River at Andrews Lock and Dam at Columbia	8,210	Oct. 01, 1975	to Sept. 30, 1999
02344000	Chattahoochee River at Alaga	8,340	May 01, 1938	to Dec. 31, 1944
			Oct. 01, 1960	to Sept. 30, 1970
02360000	West Fork Choctawhatchee River at Blue Springs	86.8	Oct. 01, 1943	to Sept. 30, 1953
02360500	East Fork Choctawhatchee River near Midland City	291	June 01, 1952	to Sept. 30, 1963
02361000	Choctawhatchee River near Newton	686	Dec. 01, 1921	to Sept. 30, 1927
			June 01, 1935	to Sept. 30, 1999
02361500	Choctawhatchee River near Bellwood	1,240	Dec. 01, 1921	to Oct. 31, 1925
02362000	Choctawhatchee River near Geneva	1,346	Oct. 01, 1922	to Nov. 30, 1925
02362240	Little Double Bridges Creek near Enterprise	21.4	Aug. 07, 1985	to Sept. 30, 1999
02363000	Pea River near Arifton	498	Oct. 01, 1938	to Sept. 30, 1970
			Oct. 01, 1987	to Sept. 30, 1999
02363500	Whitewater Creek at Elba	315	Oct. 01, 1943	to Sept. 30, 1945
02364500	Pea River near Samson	1,180	Sept. 01, 1904	to Aug. 31, 1913
			Oct. 01, 1922	to Sept. 30, 1925
			Oct. 01, 1935	to Sept. 30, 1970
02364570	Panther Creek near Hacula	26.2	Oct. 01, 1974	to Sept. 30, 1995
02365000	Pea River near Geneva	1,550	Aug. 01, 1922	to Sept. 30, 1925
02367500	Lightwood Knot Creek at Babbie	114	Mar. 01, 1944	to Apr. 30, 1953
02367800	Yellow River near Wing	461	Oct. 01, 1958	to Sept. 30, 1967
02369800	Blackwater River near Bradley	87.7	Oct. 01, 1967	to Sept. 30, 1999
02371000	Conecuh River near Troy	257	Oct. 01, 1943	to Sept. 30, 1953
02371200	Indian Creek near Troy	8.87	Oct. 01, 1958	to Sept. 30, 1968
			Oct. 01, 1970	to Sept. 30, 1986
02371470	Sandy Creek near Brantley	4.43	Oct. 01, 1989	to Sept. 30, 1992
02371500	Conecuh River at Brantley	500	Oct. 01, 1937	to Sept. 30, 1999
02372000	Patsaliga Creek at Luverne	254	Oct. 01, 1943	to Sept. 30, 1958
02372250	Patsaliga Creek near Brantley	442	Oct. 01, 1974	to Sept. 30, 1999
02372422	Conecuh River below Point "A" Dam at River Falls	1,273	June 17, 1999	to Sept. 30, 1999
02372500	Conecuh River near Andalusia	1,344	Sept. 01, 1904	to Dec. 31, 1919
			Oct. 01, 1929	to Sept. 30, 1952
			Oct. 01, 1965	to Sept. 30, 1968
02373000	Sepulga River near McKenzie	470	Oct. 01, 1937	to Sept. 30, 1967
			Oct. 01, 1974	to Sept. 30, 1999
02373500	Pigeon Creek near Thad	307	Oct. 01, 1937	to Sept. 30, 1970
02373800	Sepulga River at Brooklyn	1,020	June 26, 1975	to Sept. 30, 1983
02374000	Conecuh River near Brooklyn	2,490	June 01, 1935	to Dec. 31, 1957
02374250	Conecuh River at State Highway 41 near Brewton	2,661	Apr. 16, 1999	to Sept. 30, 1999
02374500	Murder Creek near Evergreen	176	Oct. 01, 1937	to Sept. 30, 1999
02374660	Murder Creek at Kirkland	329	Oct. 01, 1974	to Sept. 30, 1980
02374700	Murder Creek at Brewton	435	Mar. 26, 1999	to Sept. 30, 1999
02374745	Burnt Corn Creek at State Highway 41 near Brewton	182	Mar. 20, 1999	to Sept. 30, 1999
02375000	Big Escambia Creek at Flomaton	330	Jan. 01, 1939	to Dec. 31, 1951
02375500	Escambia River near Century, FL	3,817	Oct. 01, 1934	to Sept. 30, 1999
02376500	Perdido River at Barrineau Park, FL	394	June 01, 1941	to Sept. 30, 1999
02377500	Styx River near Loxley	92.2	Oct. 01, 1951	to Sept. 30, 1969
			Oct. 01, 1970	to Sept. 30, 1971
02377570	Styx River near Elsanor	192	Oct. 01, 1987	to Sept. 30, 1999
02377960	Blackwater River near Elsanor	56.6	Oct. 01, 1987	to Sept. 30, 1991
02378500	Fish River near Silver Hill	55.3	July 01, 1953	to Sept. 30, 1969
			Oct. 01, 1970	to Sept. 30, 1971
			Nov. 20, 1986	to Sept. 30, 1999
02398195	Mills Creek near Chesterfield	9.53	Oct. 01, 1978	to Sept. 30, 1985

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER DISCHARGE STATIONS--Continued

Station number	Station name	Drainage area (mi ²)	Period(s) of record	
02398300	Chattooga River above Gaylesville	366	Jan. 01, 1959	to Sept. 30, 1967
			Oct. 01, 1984	to Sept. 30, 1999
02398500	Chattooga River at Gaylesville	379	June 01, 1937	to Sept. 30, 1960
02398950	West Fork Little River at DeSoto State Park near Fort Payne	42.8	Oct. 01, 1997	to Sept. 30, 1999
02399000	Little River near Jamestown	125	Feb. 01, 1922	to Mar. 31, 1932
			June 01, 1935	to Sept. 30, 1949
02399200	Little River near Blue Pond	199	Oct. 01, 1958	to Sept. 30, 1967
			Oct. 01, 1970	to Sept. 30, 1999
02399500	Coosa River at Leesburg	5,270	Oct. 01, 1937	to Sept. 30, 1958
02399800	Little Terrapin Creek near Borden Springs	15.4	Oct. 01, 1960	to Sept. 30, 1965
02400000	Terrapin Creek near Piedmont	116	Oct. 01, 1944	to Sept. 30, 1954
			Oct. 01, 1956	to Sept. 30, 1963
02400100	Terrapin Creek at Ellisville	252	Oct. 01, 1962	to Sept. 30, 1967
			Oct. 01, 1980	to Sept. 30, 1999
02400500	Coosa River at Gadsden	5,805	Oct. 01, 1926	to Sept. 30, 1976
02401000	Big Wills Creek near Reece City	182	Oct. 01, 1943	to Sept. 30, 1970
			Oct. 01, 1986	to Sept. 30, 1999
02401370	Big Canoe Creek near Springville	45.0	Oct. 01, 1978	to May 10, 1995
02401387	Muckleroy Spring near Whitney	--	Apr. 01, 1969	to Sept. 30, 1974
02401390	Big Canoe Creek at Ashville	141	Oct. 01, 1965	to Sept. 30, 1999
02401450	Gulf Creek near Steele	9.88	Oct. 01, 1976	to Sept. 30, 1979
02401460	Gulf Creek near Ashville	14.3	Oct. 01, 1978	to Sept. 30, 1985
02401470	Little Canoe Creek near Steele	22.3	Apr. 01, 1982	to May 10, 1995
02401500	Big Canoe Creek near Gadsden	253	Jan. 01, 1938	to Aug. 31, 1938
			Feb. 01, 1939	to Sept. 30, 1965
02401700	Ohatchee Creek at Reads	39.7	Oct. 01, 1956	to Sept. 30, 1960
02401800	Tallassee-hatchee Creek near Wellington	92.2	Oct. 01, 1956	to Sept. 30, 1960
02402500	Coosa River at Riverside	7,070	Oct. 01, 1896	to Sept. 30, 1916
02403200	Choccolocco Creek at Choccolocco	121	Oct. 01, 1956	to Sept. 30, 1960
02403395	Choccolocco Creek at Oxford	222	May 26, 1999	to Sept. 30, 1999
02403500	Coldwater Spring near Anniston	--	Apr. 01, 1957	to Sept. 30, 1996
02404000	Choccolocco Creek near Jenifer	277	Aug. 20, 1903	to Feb. 03, 1908
			Oct. 01, 1929	to Mar. 31, 1932
			Oct. 01, 1935	to Sept. 30, 1970
02404400	Choccolocco Creek at Jackson Shoal near Lincoln	481	Oct. 01, 1960	to Sept. 30, 1967
			Oct. 01, 1984	to Sept. 30, 1999
02404500	Choccolocco Creek near Lincoln	496	Oct. 01, 1938	to Sept. 30, 1953
02405000	Coosa River near Cropwell	7,663	Oct. 01, 1941	to Sept. 30, 1958
02405500	Kelly Creek near Vincent	193	Dec. 01, 1951	to Sept. 30, 1970
			Oct. 01, 1986	to Sept. 30, 1999
02405800	Talladega Creek above Talladega	69.6	June 01, 1959	to Sept. 30, 1970
02406000	Talladega Creek near Talladega	101	Oct. 01, 1952	to Sept. 30, 1962
02406500	Talladega Creek at Alpine	150	Aug. 17, 1900	to Dec. 31, 1904
			Oct. 01, 1939	to Sept. 30, 1951
			Oct. 01, 1987	to Sept. 30, 1999
02407000	Coosa River at Childersburg	8,390	Oct. 01, 1913	to Sept. 30, 1978
02407500	Yellowleaf Creek near Wilsonville	96.5	Jan. 01, 1951	to Sept. 30, 1967
02407900	Paint Creek near Marble Valley	12.7	Aug. 01, 1959	to Sept. 30, 1965
02408000	Coosa River (old lock 12) near Clanton	9,053	Oct. 01, 1912	to Sept. 30, 1914
02408500	Hatchet Creek near Rockford	233	Oct. 01, 1944	to Feb. 28, 1979
02408540	Hatchet Creek below Rockford	263	Oct. 01, 1980	to Sept. 30, 1999
02409000	Weogufka Creek near Weogufka	73.4	Jan. 01, 1951	to Sept. 30, 1958
02409500	Coosa River above Verbena	9,778	Oct. 01, 1925	to Oct. 31, 1925
			Jan. 01, 1926	to July 31, 1928
02410000	Paterson Creek near Central	4.91	Oct. 01, 1953	to Sept. 30, 1987
02411000	Coosa River at Jordan Dam near Wetumpka	10,102	Oct. 01, 1912	to Sept. 30, 1914
			Oct. 01, 1925	to Nov. 30, 1925
			Feb. 01, 1926	to Sept. 30, 1999
02412000	Tallapoosa River near Heflin	448	July 01, 1952	to Sept. 30, 1999
02412177	Cahulga Creek at Heflin	9.40	July 31, 1986	to Sept. 30, 1988
02412500	Tallapoosa River near Ofelia	792	Jan. 01, 1939	to Dec. 31, 1951
02413300	Little Tallapoosa River near Newell	406	Oct. 01, 1975	to Sept. 30, 1999
02413400	Wedowee Creek above Wedowee	6.87	June 01, 1959	to Sept. 30, 1966
			Oct. 01, 1967	to June 30, 1968
02413500	Little Tallapoosa River near Wedowee	591	Oct. 01, 1939	to Dec. 31, 1951
02414000	Tallapoosa River near Cragford	1,450	Nov. 01, 1922	to Sept. 30, 1929
02414500	Tallapoosa River at Wadley	1,675	Oct. 01, 1923	to Sept. 30, 1999
02414525	High Pine Creek near Roanoke	21.3	Aug. 21, 1998	to Sept. 30, 1999
02414715	Tallapoosa River near New Site	2,058	Nov. 15, 1985	to Sept. 30, 1999
02414800	Harbuck Creek near Hackneyville	7.97	Oct. 01, 1958	to Sept. 30, 1968

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER DISCHARGE STATIONS--Continued

Station number	Station name	Drainage area (mi ²)	Period(s) of record	
02415000	Hillabee Creek near Hackneyville	190	July 01, 1952	to Sept. 30, 1970
			Oct. 01, 1985	to Sept. 30, 1999
02416000	Tallapoosa River at Sturdivant	2,480	Oct. 01, 1900	to July 31, 1926
02416500	Big Sandy Creek near Dadeville	195	Aug. 01, 1900	to Dec. 31, 1901
02418000	Tallapoosa River at Cherokee Bluff near Tallassee	3,015	Oct. 01, 1912	to Sept. 30, 1914
			Oct. 01, 1922	to Mar. 31, 1928
02418500	Tallapoosa River below Tallassee	3,328	Oct. 01, 1928	to Sept. 30, 1999
02419000	Uphabee Creek near Tuskegee	333	Oct. 01, 1939	to Sept. 30, 1970
			Oct. 01, 1974	to Sept. 30, 1999
02419500	Tallapoosa River at Milstead	3,770	Sept. 01, 1897	to Sept. 30, 1902
02419890	Tallapoosa River near Montgomery	4,646	Oct. 01, 1995	to Sept. 30, 1999
02420000	Alabama River near Montgomery	15,087	Oct. 01, 1927	to Sept. 30, 1990
02420500	Autauga Creek at Prattville	116	Jan. 01, 1939	to Sept. 30, 1959
02421000	Catoma Creek near Montgomery	290	July 01, 1952	to Sept. 30, 1971
			Oct. 01, 1974	to Sept. 30, 1999
02421115	Pintlalla Creek at Liberty Church Road near Pintlalla	59.3	Oct. 01, 1998	to Sept. 30, 1999
02421300	Ivy Creek at Mulberry	10.7	Oct. 01, 1960	to Sept. 30, 1965
02421500	Big Swamp Creek near Hayneville	123	Jan. 01, 1939	to Sept. 30, 1946
02422000	Big Swamp Creek near Lowndesboro	244	Oct. 01, 1940	to Sept. 30, 1971
02422500	Mulberry Creek at Jones	203	Oct. 01, 1938	to Sept. 30, 1970
			Oct. 01, 1974	to Sept. 30, 1999
02423000	Alabama River at Selma	17,095	Jan. 01, 1900	to Dec. 31, 1913
			Oct. 01, 1928	to Sept. 30, 1970
02423130	Cahaba River at Trussville	19.7	Oct. 01, 1988	to Sept. 30, 1999
02423190	Big Black Creek near Leeds	39.3	Jan. 01, 1999	to Sept. 30, 1999
02423380	Cahaba River near Mountain Brook	140	Oct. 01, 1980	to Sept. 30, 1981
			June 01, 1984	to Sept. 30, 1999
02423397	Little Cahaba River below Leeds	17.0	June 16, 1995	to Sept. 30, 1999
02423398	Little Cahaba River near Leeds	19.4	Oct. 01, 1980	to Sept. 30, 1981
			May 01, 1988	to Sept. 30, 1999
02423400	Little Cahaba River near Jefferson Park	24.4	July 23, 1986	to Feb. 17, 2000
0242340550	Cox Creek near Cahaba Heights	3.19	July 24, 1986	to Apr. 02, 1991
02423410	Little Cahaba River below Lake Purdy Dam near Cahaba Heights	42.7	Oct. 01, 1984	to Feb. 06, 2000
02423425	Cahaba River near Cahaba Heights	201	Aug. 01, 1975	to Sept. 30, 1985
			Jul. 27, 1996	to Sept. 30, 1999
02423496	Cahaba River near Hoover	226	May 01, 1988	to Sept. 30, 1999
02423500	Cahaba River near Acton	230	Oct. 01, 1938	to Sept. 30, 1957
			Oct. 01, 1983	to Sept. 30, 1999
02423555	Cahaba River near Helena	335	Oct. 01, 1995	to Sept. 30, 1999
02423630	Shades Creek near Greenwood	72.3	Oct. 01, 1964	to Sept. 30, 1965
			Oct. 01, 1966	to Sept. 30, 1973
			Oct. 01, 1974	to Sept. 30, 1981
			Oct. 01, 1997	to Sept. 30, 1999
02423647	Cahaba River near West Blocton	593	Oct. 01, 1975	to Sept. 30, 1984
02423800	Little Cahaba River near Brierfield	147	Dec. 01, 1957	to Sept. 30, 1970
02424000	Cahaba River at Centreville	1,027	Aug. 01, 1901	to Feb. 05, 1908
			May 01, 1929	to Mar. 31, 1932
			May 29, 1935	to Sept. 30, 1999
02424500	Cahaba River at Sprott	1,370	Oct. 01, 1938	to Sept. 30, 1969
02424590	Cahaba River at Suttle	1,480	Aug. 28, 1987	to Sept. 30, 1999
02424940	Oakmulgee Creek near Augustin	220	May 01, 1975	to May 12, 1987
02425000	Cahaba River near Marion Junction	1,766	Oct. 01, 1938	to Sept. 30, 1954
			Oct. 01, 1968	to Sept. 30, 1999
02425200	Big Swamp Creek near Orrville	35.8	Mar. 22, 1972	to Sept. 30, 1985
02425300	Butler County Pond Outlet near Greenville	.55	Oct. 01, 1955	to Sept. 30, 1959
02425500	Cedar Creek at Minter	211	July 01, 1952	to Sept. 30, 1970
			Oct. 01, 1974	to Sept. 30, 1982
02426000	Bogue Chitto Creek near Browns	95.4	Feb. 01, 1944	to June 30, 1954
			Oct. 01, 1965	to Sept. 30, 1971
02426500	Bogue Chitto Creek above Orrville	200	Oct. 01, 1938	to Apr. 30, 1944
02427000	Bogue Chitto Creek near Orrville	293	Feb. 01, 1944	to Sept. 30, 1949
02427250	Pine Barren Creek near Snow Hill	261	Oct. 01, 1989	to Sept. 30, 1999
02427300	Prairie Creek near Oak Hill	10.3	Oct. 01, 1959	to Sept. 30, 1965
02427500	Alabama River near Millers Ferry	20,600	Oct. 01, 1937	to Sept. 30, 1954
02427700	Turkey Creek at Kimbrough	97.5	Oct. 01, 1958	to Sept. 30, 1996
02428000	Alabama River near Coy	21,100	Oct. 01, 1928	to Sept. 30, 1934
02428300	Tallatchee Creek near Vredenburgh	13.2	Oct. 01, 1958	to Sept. 30, 1965
02428400	Alabama River at Claiborne Lock and Dam near Monroeville	21,473	Oct. 01, 1975	to Sept. 30, 1999
02428500	Big Flat Creek near Fountain	247	Oct. 01, 1943	to Sept. 30, 1970
02429000	Limestone Creek near Monroeville	121	Jan. 01, 1952	to Sept. 30, 1970
02429500	Alabama River at Claiborne	21,967	Apr. 01, 1930	to Sept. 30, 1975
02429595	Little River near Uriah	95.2	Oct. 01, 1968	to Sept. 30, 1979

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER DISCHARGE STATIONS--Continued

Station number	Station name	Drainage area (mi ²)	Period(s) of record	
02437800	Barn Creek near Hackleburg	13.1	Oct. 01, 1959	to Sept. 30, 1967
02437810	Buttahatchee River above Pearces Mill	112	Oct. 01, 1980	to Sept. 30, 1981
02437900	Woods Creek near Hamilton	14.3	Oct. 01, 1959	to Sept. 30, 1965
02438000	Buttahatchee River below Hamilton	277	Jan. 01, 1951	to Sept. 30, 1970
			Oct. 01, 1990	to Sept. 30, 1999
02438500	Buttahatchee River near Hamilton	306	Oct. 01, 1941	to Dec. 31, 1950
02439000	Buttahatchee River near Sulligent	472	Mar. 01, 1939	to Sept. 30, 1959
02442000	Luxapallila Creek near Fayette	130	May 01, 1945	to Sept. 30, 1970
02442500	Luxapallila Creek at Millport	247	Aug. 01, 1954	to Sept. 30, 1959
			Dec. 01, 1980	to Sept. 30, 1986
02444000	Coal Fire Creek near Pickensville	126	Oct. 01, 1954	to Sept. 30, 1971
			Oct. 01, 1974	to Sept. 30, 1980
02444160	Tombigbee River at Beville Lock and Dam near Pickensville	5,750	Oct. 01, 1980	to Sept. 30, 1999
02444490	Bogue Chitto Creek near Memphis	52.6	Oct. 01, 1998	to Sept. 30, 1999
02444500	Tombigbee River near Cochrane	5,940	Oct. 01, 1938	to Mar. 31, 1978
02445000	Lubbub Creek near Carrollton	112	Sept. 01, 1954	to Sept. 30, 1964
02445290	Sipsey River near Bazemore	138	Oct. 01, 1980	to Sept. 30, 1981
02445500	Sipsey River at Fayette	282	Feb. 01, 1939	to Sept. 30, 1959
02446000	Sipsey River at Moores Bridge	413	Feb. 01, 1939	to Sept. 30, 1951
02446500	Sipsey River near Elrod	528	Sept. 01, 1928	to Mar. 31, 1932
			Oct. 01, 1939	to Sept. 30, 1971
			Oct. 01, 1978	to Sept. 30, 1999
02447000	Sipsey River near Pleasant Ridge	769	Feb. 01, 1939	to Sept. 30, 1959
02447025	Tombigbee River at Heflin Lock and Dam near Gainesville	7,230	Mar. 17, 1978	to Sept. 30, 1999
02448500	Noxubee River near Geiger	1,097	Mar. 01, 1939	to Sept. 30, 1940
			Aug. 01, 1944	to Sept. 30, 1965
			Oct. 01, 1966	to Sept. 30, 1999
02448900	Bodka Creek near Geiger	158	Oct. 01, 1990	to Sept. 30, 1999
02449000	Tombigbee River at Gainesville	8,632	Oct. 01, 1938	to Sept. 30, 1955
			Oct. 01, 1960	to Sept. 30, 1978
02449245	Brush Creek near Eutaw	43.2	June 01, 1975	to Sept. 30, 1997
02449400	Jones Creek near Epes	11.8	June 01, 1959	to Sept. 30, 1965
02449500	Tombigbee River at Epes	8,930	Jan. 01, 1901	to July 31, 1901
			Sept. 01, 1901	to Dec. 31, 1901
			Jan. 01, 1905	to Aug. 31, 1913
			Oct. 01, 1938	to Sept. 30, 1945
02449775	Mulberry Fork near Holly Pond	110	Oct. 01, 1980	to Sept. 30, 1981
02449870	Blue Spring near Blountsville	--	Oct. 01, 1969	to Sept. 30, 1974
02449882	Blue Springs Creek near Blountsville	13.0	Oct. 01, 1992	to Sept. 30, 1999
02450000	Mulberry Fork near Garden City	365	Oct. 01, 1928	to Sept. 30, 1999
02450180	Mulberry Fork near Arkadelphia	487	Oct. 01, 1976	to Sept. 30, 1986
			Oct. 01, 1988	to Sept. 30, 1999
02450200	Dorsey Creek near Arkadelphia	13.0	Oct. 01, 1958	to Feb. 06, 1967
			May 31, 1967	to Sept. 30, 1967
02450215	Dorsey Creek below Arkadelphia	26.0	Oct. 01, 1978	to Sept. 30, 1981
02450250	Sipsey Fork near Grayson	92.1	Oct. 01, 1966	to Sept. 30, 1999
02450500	Sipsey Fork near Falls City	360	June 01, 1943	to Dec. 31, 1954
02450825	Clear Creek at New Hope Church near Popular Springs	101	Oct. 01, 1980	to Sept. 30, 1981
			Oct. 01, 1993	to Sept. 30, 1999
02451000	Clear Creek at Falls City	149	Oct. 01, 1939	to Nov. 30, 1954
02451500	Sipsey Fork near Arley	524	Feb. 01, 1936	to Sept. 30, 1945
02452000	Sipsey Fork near Jasper	969	July 01, 1952	to Sept. 30, 1960
02452500	Sipsey Fork near Sipsey	992	Oct. 01, 1928	to Mar. 31, 1932
			July 01, 1932	to Sept. 30, 1937
02453000	Blackwater Creek near Manchester	181	Oct. 01, 1938	to Sept. 30, 1971
			Oct. 01, 1979	to Sept. 30, 1982
			Oct. 01, 1988	to Sept. 30, 1999
02453390	Town Creek at 26th Street at Jasper	11.8	Jan. 01, 1995	to Sept. 30, 1997
02453500	Mulberry Fork at Cordova	1,916	June 01, 1900	to Dec. 31, 1912
02453835	Trinity Creek near Carbon Hill	2.68	Oct. 01, 1978	to Sept. 30, 1982
02454000	Lost Creek Near Oakman	134	Oct. 01, 1951	to Sept. 30, 1966
			Oct. 01, 1979	to Sept. 30, 1981
02454055	Lost Creek above Parrish	143	Oct. 01, 1992	to Sept. 30, 1999
02454200	Wolf Creek near Oakman	85.0	Oct. 01, 1959	to Sept. 30, 1969
02454420	Cove Spring near Walnut Grove	--	Oct. 01, 1969	to Sept. 30, 1974
02454500	Locust Fork below Snead	147	Oct. 01, 1952	to Sept. 30, 1957
02454995	Graves Creek below Blountsville	13.0	Oct. 01, 1997	to Sept. 30, 1999

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER DISCHARGE STATIONS--Continued

Station number	Station name	Drainage area (mi ²)	Period(s) of record	
02455000	Locust Fork near Cleveland	303	Dec. 01, 1936	to Sept. 30, 1986
			Oct. 01, 1992	to Sept. 30, 1999
02455185	Blackburn Fork Little Warrior River near Holly Springs	36.1	Jan. 31, 1998	to Sept. 30, 1999
02455280	Little Warrior River near Locust Fork	186	Oct. 01, 1992	to Sept. 30, 1997
02455500	Locust Fork at Trafford	624	Oct. 01, 1930	to Sept. 30, 1969
			Oct. 01, 1992	to Sept. 30, 1997
02455980	Turkey Creek at Sewage Plant near Pinson	27.4	July 01, 1988	to Sept. 30, 1999
02456000	Turkey Creek at Morris	80.9	Jan. 01, 1944	to Sept. 30, 1979
02456330	Crooked Creek near Morris	16.2	Nov. 19, 1975	to Sept. 30, 1988
			Oct. 01, 1996	to Sept. 30, 1997
02456500	Locust Fork at Sayre	885	Oct. 01, 1928	to Mar. 31, 1932
			Oct. 01, 1941	to Sept. 30, 1999
02456980	Fivemile Creek at Lawson Road near Tarrant City	18.6	May 11, 1996	to Sept. 30, 1999
02456998	Barton Branch near Tarrant City	3.11	May 27, 1996	to Sept. 30, 1999
02457000	Fivemile Creek at Ketona	23.9	Oct. 01, 1953	to Sept. 30, 1958
			Dec. 01, 1974	to Sept. 30, 1979
			May 09, 1996	to Sept. 30, 1999
02457595	Fivemile Creek near Republic	51.9	May 21, 1988	to Sept. 30, 1999
02457670	Fivemile Creek below Prudes Creek near Graysville	91.7	Apr. 24, 1997	to Sept. 30, 1999
02458148	Village Creek at 86 th Street North at Roebuck	4.10	Oct. 01, 1998	to Sept. 30, 1999
02458200	Village Creek at Apalachee Street in Birmingham	15.6	Oct. 01, 1998	to Sept. 30, 1999
02458300	Village Creek at 24th Street at Birmingham	26.0	June 01, 1988	to Sept. 30, 1999
02458450	Village Creek at Avenue W at Ensley	33.5	July 01, 1975	to Sept. 30, 1979
			July 08, 1988	to Sept. 30, 1999
02458202	Village Creek near Pratt City	36.7	Oct. 01, 1997	to Sept. 30, 1999
02458600	Village Creek near Docena	52.2	June 21, 1996	to Sept. 30, 1999
02460000	Village Creek near Mulga	73.6	Jan. 01, 1909	to Dec. 31, 1909
02460500	Village Creek near Adamsville	83.5	Oct. 01, 1953	to Sept. 30, 1958
			Aug. 01, 1964	to Sept. 30, 1965
			Feb. 01, 1973	to Sept. 30, 1981
02461500	Valley Creek near Bessemer	52.5	May 14, 1975	to Sept. 30, 1979
			May 01, 1988	to Sept. 30, 1999
02461630	Halls Creek at Bessemer	7.3	Oct. 01, 1997	to Sept. 30, 1999
02461640	Valley Creek below Bessemer	61.4	Oct. 01, 1997	to Sept. 30, 1999
02462000	Valley Creek near Oak Grove	148	Oct. 01, 1953	to Sept. 30, 1958
			Oct. 01, 1964	to Sept. 30, 1965
			June 01, 1978	to Sept. 30, 1999
02462500	Black Warrior River at Bankhead Lock and Dam near Bessemer	3,979	Oct. 01, 1928	to Sept. 30, 1936
			Oct. 01, 1976	to Sept. 30, 1999
02462600	Blue Creek near Oakman	5.32	June 01, 1959	to Sept. 30, 1965
			Oct. 01, 1976	to Sept. 30, 1984
02462800	Davis Creek below Abernant	45.3	Oct. 01, 1956	to Sept. 30, 1971
02462840	Davis Creek near Antioch Church near Searles	87.3	Mar. 16, 1981	to Sept. 30, 1982
02462951	Black Warrior River at Holt Lock and Dam near Holt	4,219	Oct. 01, 1976	to Sept. 30, 1999
02462980	Yellow Creek above Northport	3.73	Oct. 01, 1976	to Sept. 30, 1977
02462990	Yellow Creek near Northport	8.38	Oct. 01, 1976	to Sept. 30, 1984
02463000	Yellow Creek near Tuscaloosa	24.2	Feb. 01, 1951	to May 31, 1954
02463200	Hurricane Creek near Cedar Cove	29.3	Oct. 01, 1957	to Sept. 30, 1960
02463500	Hurricane Creek near Holt	108	Aug. 01, 1952	to Sept. 30, 1969
02463510	Hurricane Creek near Peterson	112	Oct. 01, 1980	to Sept. 30, 1981
02463587	North River near Bankston	46.2	June 27, 1990	to Jan. 20, 1992
02463900	Bear Creek near Samantha	15.0	Oct. 01, 1976	to Sept. 30, 1984
02464000	North River near Samantha	223	Dec. 01, 1938	to Sept. 30, 1954
			Oct. 01, 1968	to Sept. 30, 1999
02464146	Turkey Creek near Tuscaloosa	6.16	Feb. 01, 1981	to Sept. 30, 1984
			Oct. 01, 1986	to Sept. 30, 1999
02464360	Binion Creek below Gin Creek near Samantha	57.0	Oct. 01, 1986	to Sept. 30, 1999
02464500	North River near Tuscaloosa	372	Dec. 01, 1951	to Dec. 31, 1968
02465000	Black Warrior River at Northport	4,820	Jan. 01, 1895	to Dec. 31, 1902
			Aug. 01, 1928	to Sept. 30, 1999
02465080	Mill Creek at Cloverdale Road near Northport	11.4	Apr. 26, 1996	to Sept. 30, 1998
02465200	Lake Creek near Northport	3.71	Nov. 01, 1956	to Sept. 30, 1970
02465205	Jay Creek near Coker	3.65	Oct. 01, 1963	to Sept. 30, 1968
			Apr. 26, 1996	to Sept. 30, 1998
02465400	Big Sandy Creek at Duncanville	55.9	Aug. 01, 1956	to Sept. 30, 1960
02465493	Elliotts Creek near Moundville	32.3	Oct. 01, 1976	to Sept. 30, 1999
02465500	Five Mile Creek near Greensboro	73.6	Oct. 01, 1954	to Sept. 30, 1971

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER DISCHARGE STATIONS--Continued

Station number	Station name	Drainage area (mi ²)	Period(s) of record	
02466000	Black Warrior River near Eutaw	5,792	June 01, 1932	to Sept. 30, 1955
			Feb. 01, 1956	to Apr. 30, 1956
			Jan. 01, 1957	to Apr. 30, 1957
02466030	Black Warrior River at Selden Lock and Dam near Eutaw	5,810	Oct. 01, 1976	to Sept. 30, 1999
02466500	Big Prairie Creek near Gallion	171	Feb. 01, 1940	to Sept. 30, 1952
02467000	Tombigbee River at Demopolis Lock and Dam near Coatopa	15,385	Aug. 01, 1928	to Sept. 30, 1999
02467500	Sucarnoochee River at Livingston	607	Oct. 01, 1938	to Sept. 30, 1999
02468000	Alamuchee Creek near Cuba	62.3	Aug. 01, 1954	to Sept. 30, 1967
02468500	Chickasaw Bogue near Linden	257	Jan. 01, 1944	to Sept. 30, 1946
			Oct. 01, 1965	to Sept. 30, 1988
02469000	Kinterbish Creek near York	90.9	Aug. 01, 1954	to Sept. 30, 1967
02469500	Tuckabum Creek near Butler	115	Oct. 01, 1954	to Sept. 30, 1970
02469550	Horse Creek near Sweetwater	60.4	Oct. 01, 1959	to Sept. 30, 1970
02469600	Bashi Creek near Campbell	76.6	Oct. 01, 1959	to Sept. 30, 1964
02469700	Okatuppa Creek at Gilbertown	148	Oct. 01, 1956	to Sept. 30, 1969
02469761	Tombigbee River at Coffeerville Lock and Dam near Coffeerville	18,417	Oct. 01, 1960	to Sept. 30, 1999
02469800	Satilpa Creek near Coffeerville	164	Oct. 01, 1956	to Sept. 30, 1970
			Oct. 01, 1974	to Sept. 30, 1999
02470000	Tombigbee River near Leroy	18,965	Oct. 01, 1928	to Sept. 30, 1960
02470072	Bassett Creek at US 43 near Thomasville	10.5	Oct. 01, 1995	to Sept. 30, 1999
02470100	East Bassett Creek at Walker Springs	195	Oct. 01, 1956	to Sept. 30, 1970
02470500	Mobile River at Mount Vernon	42,867	Oct. 01, 1953	to Jan. 31, 1955
02471000	Chickasaw Creek near Whistler	123	Oct. 01, 1951	to Sept. 30, 1968
02471001	Chickasaw Creek near Kushla	125	Oct. 01, 1968	to Sept. 30, 1999
0247100550	Eightmile Creek at Mobile	23.2	Oct. 01, 1996	to Sept. 30, 1999
02471065	Montlamar Creek at US 90 at Mobile	7.28	June 01, 1962	to Sept. 30, 1967
			Oct. 01, 1974	to Sept. 30, 1983
02471078	Fowl River at Half Mile Road near Laurendine	16.5	Mar. 09, 1995	to Sept. 30, 1999
02479431	Pond Creek near Deer Park	20.4	Oct. 01, 1976	to Sept. 30, 1999
02479500	Escatawpa River near Wilmer	511	Oct. 01, 1945	to Sept. 30, 1973
02479560	Escatawpa River near Agricola, MS	562	Oct. 01, 1973	to Sept. 30, 1999
02479960	Boggy Branch at County Road 5 near Wilmer	3.17	June 21, 1990	to Sept. 30, 1991
02479945	Big Creek at County Road 63 near Wilmer	31.5	June 22, 1990	to Sept. 30, 1999
02479948	Juniper Creek at Glenwood Road near Fairview	9.22	Aug. 03, 1990	to Sept. 30, 1992
02479950	Collins Creek at Glenwood Road near Fairview	8.54	Aug. 29, 1990	to Sept. 30, 1992
02479955	Long Branch near Wilmer	2.85	June 20, 1990	to Sept. 30, 1991
02479980	Crooked Creek near Fairview	8.08	June 22, 1990	to Sept. 30, 1999
02480000	Big Creek near Mobile	84.0	Dec. 01, 1944	to Sept. 30, 1950
02480002	Hamilton Creek at Snow Road near Semmes	8.22	June 21, 1990	to Sept. 30, 1999
03568000	Tennessee River at Chattanooga, TN	21,400	Apr. 01, 1874	to Sept. 30, 1999
03568715	Dixie Brown Spring near Valley Head	--	Oct. 01, 1967	to Sept. 30, 1971
03572110	Crow Creek at Bass	131	May 22, 1975	to Sept. 30, 1996
03572900	Town Creek near Geraldine	141	Oct. 01, 1957	to Sept. 30, 1980
03573000	Short Creek near Albertville	91.6	June 01, 1945	to Sept. 30, 1953
03573182	Scarham Creek near McVie	50.0	Oct. 01, 1998	to Sept. 30, 1999
0357479650	Hester Creek near Plevna	33.0	Oct. 01, 1998	to Sept. 30, 1999
03573500	Tennessee River at Guntersville	24,340	May 01, 1930	to Sept. 30, 1938
03574500	Paint Rock River near Woodville	320	Jan. 01, 1936	to Sept. 30, 1999
03575000	Flint River near Chase	342	May 01, 1930	to Sept. 30, 1981
			Oct. 01, 1982	to Dec. 31, 1994
03575100	Flint River near Brownsboro	375	Oct. 01, 1998	to Sept. 30, 1999
03575500	Tennessee River at Whitesburg	25,610	Oct. 01, 1924	to Sept. 30, 1936
			Mar. 01, 1937	to Sept. 30, 1997
03575700	Aldridge Creek near Farley	14.1	Jan. 01, 1961	to Feb. 29, 1964
03575830	Indian Creek near Madison	49.0	Oct. 01, 1959	to Sept. 30, 1966
			Oct. 01, 1975	to Sept. 30, 1999
03576000	Huntsville Spring Branch at Patton Road near Huntsville	--	Dec. 01, 1928	to Mar. 31, 1932
03576148	Cotaco Creek at Florette	136	Jan. 01, 1966	to Sept. 30, 1980
03576250	Limestone Creek near Athens	119	Oct. 01, 1939	to Sept. 30, 1970
			Oct. 01, 1994	to Sept. 30, 1999
03576400	Piney Creek near Athens	55.8	Oct. 01, 1959	to Sept. 30, 1968
03576500	Flint Creek near Falkville	86.3	Aug. 01, 1952	to Sept. 30, 1970
			Oct. 01, 1992	to Sept. 30, 1999
03576800	Blowing Springs Branch near Wrens	1.27	June 01, 1963	to Oct. 19, 1964
			Mar. 04, 1965	to Sept. 30, 1965
03576810	Elam Creek near Wren	6.69	June 01, 1963	to Sept. 30, 1967

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER DISCHARGE STATIONS--Continued

Station number	Station name	Drainage area (mi ²)	Period(s) of record	
03577000	West Flint Creek near Oakville	87.6	Sept. 01, 1952	to Sept. 30, 1957
			June 01, 1963	to Oct. 19, 1964
			Mar. 04, 1965	to Sept. 30, 1965
			Oct. 01, 1992	to Sept. 30, 1998
03584600	Elk River at Prospect, TN	1,805	July 01, 1904	to Feb. 29, 1908
			Jan. 01, 1919	to Sept. 30, 1994
03585300	Sugar Creek near Good Springs	152	Oct. 01, 1957	to Sept. 30, 1969
03585305	Ridgeway Mill Spring at Good Springs	--	Dec. 01, 1968	to Sept. 30, 1972
03585500	Elk River near Rogersville	2,239	Oct. 01, 1927	to Dec. 31, 1935
03586500	Big Nance Creek at Courtland	166	Sept. 01, 1935	to Sept. 30, 1940
			Apr. 01, 1945	to Sept. 30, 1981
			Mar. 01, 1988	to Sept. 30, 1999
3003587000	Big Nance Creek at Red Bank	188	Aug. 01, 1935	to Sept. 30, 1940
03588500	Shoal Creek at Iron City, TN	348	July 01, 1925	to Sept. 30, 1994
03589250	Pond Creek near Wilson Dam	13.7	Aug. 01, 1949	to Sept. 30, 1970
03589500	Tennessee River at Florence	30,810	Oct. 01, 1894	to Sept. 30, 1997
03590000	Cypress Creek near Florence	209	June 01, 1934	to Sept. 30, 1953
03590500	Tuscumbia Spring at Tuscumbia	--	Dec. 01, 1928	to Mar. 31, 1930
			Jan. 01, 1956	to Sept. 30, 1966
03591800	Bear Creek near Hackleburg	143	Oct. 01, 1956	to Sept. 30, 1979
			Oct. 01, 1980	to Sept. 30, 1981
03592000	Bear Creek near Red Bay	263	Oct. 01, 1913	to May 31, 1920
			Oct. 01, 1958	to Sept. 30, 1967
			Mar. 01, 1969	to Sept. 30, 1981
03592200	Cedar Creek near Pleasant Site	189	Oct. 01, 1957	to Sept. 30, 1977
03592300	Little Bear Creek near Halltown	78.2	Oct. 01, 1957	to Sept. 30, 1977
03592500	Bear Creek at Bishop	667	Oct. 01, 1926	to May 31, 1928
			Mar. 01, 1929	to Mar. 31, 1932
			Oct. 01, 1933	to Sept. 30, 1979

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER STAGE STATIONS

The following list contains discontinued and currently operated continuous-record stage stations located on surface-water sites on streams within the State of Alabama and near its border with adjacent States. Daily gage heights or elevations were collected and published for the periods of record shown for each station. Some stations have record collected and published by other agencies, such as National Weather Service, Tennessee Valley Authority, or U.S. Corps of Engineers, for additional periods other than those noted in period of record column.

Station no.	Station name	Drainage area (mi ²)	Period of record (water years)
02339500	Chattahoochee River at West Point, GA	3,550	1971-99
02339780	Chattahoochee River at Langdale	3,630	1983-92
02341500	Chattahoochee River at Columbus, GA	4,670	1971-99
0234296910	Chattahoochee River at Coast Guard Dock at Eufaula	6,730	1990-99
02361000	Choctawhatchee River near Newton	686	1972-99
02362000	Choctawhatchee River near Geneva	1,346	1972-97
02364000	Pea River at Elba	959	1972-99
02372422	Conecuh River below Point "A" Dam at River Falls	1,273	1999
02372430	Conecuh River at River Falls	1,277	1972-96
02373800	Sepulga River at Brooklyn	1,020	1976-81
02374250	Conecuh River at State Highway 41 at Brewton	2,661	1972-97, 1999
02374700	Murder Creek at Brewton	435	1999
02374745	Burnt Corn Creek at State Highway 41 near Brewton	182	1999
02378550	Fish River near Magnolia Springs	152	1989-97
02378565	Weeks Bay at Beckwith Lodge near Magnolia Springs	200	1986-97
02399500	Coosa River at Leesburg	5,270	1988-99
02400496	Coosa River at Gadsden Steamplant near Gadsden	5,800	1995-99
02400500	Coosa River at Gadsden	5,805	1972-99
02407000	Coosa River at Childersburg	8,392	1995-99
02407526	Coosa River at Gaston Steamplant near Wilsonville	8,588	1994-99
02411600	Coosa River at Wetumpka	10,148	1972-99
02414500	Tallapoosa River at Wadley	1,675	1972-99
02419500	Tallapoosa River at Milstead	3,770	1972-77, 1981-83, 1998-99
02419890	Tallapoosa River near Montgomery	4,646	1973-99
02419988	Alabama River at Montgomery	15,023	1972-99
02421351	Alabama River below Robert F. Henry Lock and Dam near Benton	16,233	1972-97
02423000	Alabama River at Selma	17,095	1972-99
02423390	Cahaba River at BWB Pump Station near Cahaba Heights	145	1984-91
02423409	Lake Purdy near Cahaba Heights	42.7	1985-91
02424000	Cahaba River at Centreville	1,027	1972-99
02425000	Cahaba River near Marion Junction	1,766	1972-82
02427506	Alabama River at Millers Ferry Lock and Dam near Camden	20,637	1972-97
02428401	Alabama River below Claiborne Lock and Dam near Monroeville	21,473	1972-99
02444500	Tombigbee River near Cochrane	5,940	1982-99
02449000	Tombigbee River at Gainesville	8,632	1972-78
02449500	Tombigbee River at Epes	8,930	1990-97
02449840	Duck River near Berlin	37.1	1998-99
02453500	Mulberry Fork at Cordova	1,916	1972-99
02462501	Black Warrior River below Bankhead Lock and Dam near Bessemer	3,981	1972-99
02462952	Black Warrior River below Holt Lock and Dam near Holt	4,219	1972-99
02464800	Lake Tuscaloosa near Tuscaloosa	416	1983-99
02465005	Black Warrior River below Oliver Lock and Dam at Tuscaloosa	4,821	1972-99
02466040	Black Warrior River below Selden Lock near Sawyerville	5,838	1972-99
02467001	Tombigbee River below Demopolis Lock and Dam near Coatopa	15,385	1972-99
02469525	Tombigbee River near Nanafalia	17,487	1990-99
02469762	Tombigbee River below Coffeeville Lock and Dam near Coffeeville	18,417	1972-99
02470500	Mobile River at Mount Vernon	42,867	1983-87
02480004	Hamilton Creek (Big Creek Lake Intake) near Semmes	105	1990-93
03575500	Tennessee River at Whitesburg	25,610	1998-99
03577150	Tennessee River at Decatur	26,900	1991-99
03589500	Tennessee River at Florence	30,810	1998-99
03590680	Tennessee River at Smithsonia	31,350	1999

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER-QUALITY STATIONS

The following list contains discontinued and currently operated continuous-record surface-water-quality stations located on streams within the State of Alabama and near its border with adjacent States. Daily records were collected and published for the parameters (including water temperature [temp], specific conductance [s.c.], pH, dissolved oxygen [d.o.], turbidity [turb], dissolved solids [d.s.], and suspended sediment [s.s.]) and water years shown in the appropriate columns. This list was compiled using annual data reports and does not include sites with data collected prior to 1961.

Station number	Station name	Drainage area (mi ²)	Type of record	Period of record (water years)
02339225	Wehadkee Creek below Rock Mills	60.2	temp	1978-82
02339550	Chattahoochee River at Lanett	3,550	temp	1978-82
02361000	Choctawhatchee River near Newton	686	temp, s.c., d.s.	1964-82
02363000	Pea River near Arlton	498	s.c., d.s.	1970, 1975
02367800	Yellow Creek near Wing	461	temp	1965-67
02369800	Blackwater River near Bradley	87.7	temp	1968-69
02371200	Indian Creek near Troy	8.87	temp	1971-82
02371500	Conecuh River at Brantley	500	temp, s.c., d.s.	1964-82
02372422	Conecuh River below Point "A" Dam near River Falls	1,270	temp, s.c., d.o.	1992-93
02400500	Coosa River at Gadsden	5,805	temp	1963-79
02401390	Big Canoe Creek at Ashville	141	s.c., d.s.	1970-76
02401700	Ohatchee Creek at Reads	39.7	temp	1959
02401800	Tallahatchee Creek at Wellington	92.2	temp	1958-60
02407000	Coosa River at Childersburg	8,390	temp	1962-82
02408500	Hatchet Creek near Rockford	233	s.c., d.s.	1970-76
02409502	Coosa River near Verbena	9,830	temp, pH, s.c., turb, d.o.	1974-76
02411600	Coosa River at Wetumpka	10,148	temp	1963-67
02419000	Uphapee Creek near Tuskegee	333	s.c.	1970, 1975-76
02420000	Alabama River near Montgomery	15,087	temp, s.c.	1975-81
02423000	Alabama River at Selma	17,095	temp	1962-82
02423130	Cahaba River at Trussville	19.7	temp, s.c., d.o.	1989-99
02423380	Cahaba River near Mountain Brook	140	temp, s.c.	1987-99
02423390	Cahaba River at BWB Pump Station near Cahaba Heights	145	temp, s.c.	1987-91
02423397	Little Cahaba River below Leeds	17.0	temp, s.c., d.o.	1995-99
02423398	Little Cahaba River near Leeds	19.4	temp, s.c., d.o.	1988-99
02423400	Little Cahaba River near Jefferson Park	24.4	temp, s.c.	1987-99
02423496	Cahaba River near Hoover	226	temp, s.c., d.o.	1989-99
02423630	Shades Creek near Greenwood	72.3	temp, s.c.	1969-81
02423647	Cahaba River near West Blocton	593	temp, s.c.	1980-81
02424000	Cahaba River at Centreville	1,027	s.c., d.s.	1970-76
02425200	Big Swamp Creek near Orrville	35.8	temp, s.c., pH, d.o., turb	1972-73
02425500	Cedar Creek at Minter	211	temp	1963-64
02429000	Limestone Creek near Monroeville	117	temp	1964-70
02428400	Alabama River at Claiborne L&D near Monroeville	21,473	temp, s.c.	1982-97
02429000	Limestone Creek near Monroeville	121	temp	1963-71
02429500	Alabama River at Claiborne	21,967	temp, s.c.	1966-68, 1974-81
02437810	Buttahatchee River above Pearces Mill	112	temp, s.c.	1980
02444500	Tombigbee River near Cochrane	5,940	temp, s.c.	1972-80
02445290	Sipsey River near Bazemore	138	temp, s.c.	1981
02449000	Tombigbee River at Gainesville	8,632	temp, s.c., d.s.	1963-89
02449775	Mulberry Fork near Holly Pond	110	temp, s.c.	1981
02450000	Mulberry Fork near Garden City	365	temp, s.c., d.s.	1970-76, 1980-81
02450180	Mulberry Fork near Arkadelphia	487	temp, s.c.	1981-82
02450215	Dorsey Creek below Arkadelphia	26.0	temp, s.c.	1979-81
02450825	Clear Creek at New Hope Church near Poplar Springs	101	temp, s.c.	1981
02453000	Blackwater Creek near Manchester	181	temp, s.c.	1981-82
02453835	Trinity Creek near Carbon Hill	2.68	temp, s.c.	1979-82
02454000	Lost Creek near Oakman	134	temp, s.c.	1981-82
02455000	Locust Fork near Cleveland	303	temp, s.c.	1960-61, 1981-82
02455500	Locust Fork at Trafford	624	temp, s.c.	1993-95
02455980	Turkey Creek at Sewage Plant near Pinson	27.4	temp, s.c., d.o.	1989-99
02456000	Turkey Creek at Morris	80.9	temp, s.s.	1976-77
02456050	Turkey Creek above Kimberly	84.0	temp, s.s.	1976-77
02456330	Crooked Creek near Morris	16.2	temp, s.c., s.s.	1976-77

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Drainage area (mi ²)	Type of record	Period of record (water years)
02456500	Locust Fork at Sayre	885	temp, s.c., d.s.	1970-76, 1980-81
02457595	Fivemile Creek near Republic	51.9	temp, s.c., d.o.	1989-99
02457670	Fivemile Creek below Prudes Creek near Graysville	91.7	temp, s.c., d.o.	1997-99
02458450	Village Creek at Ave. W at Ensley	33.5	temp, s.c., d.o.	1991-99
02458600	Village Creek near Docena	52.2	temp, s.c., d.o.	1996-99
02460500	Village Creek near Adamsville	83.5	temp, s.c.	1973-74, 1980-82
02460505	Village Creek at Porter	96.6	temp, pH, s.c., turb, d.o.	1972-74
02461500	Valley Creek near Bessemer	52.5	temp, s.c., d.o.	1988-98
02462000	Valley Creek near Oak Grove	148	temp, s.c.	1980-81
02462600	Blue Creek near Oakman	5.32	temp, s.c.	1978-83
02462840	Davis Creek near Antioch Church near Searles	87.3	temp, s.c.	1981-82
02462990	Yellow Creek near Northport	8.38	temp, s.c., s.s.	1977-83
02463500	Hurricane Creek near Holt	108	temp	1958-59
02463510	Hurricane Creek near Peterson	112	temp, s.c.	1980-81
02463587	North River near Bankston	46.2	temp, s.c.	1990-92
02463900	Bear Creek near Samantha	15.0	temp, s.c., s.s.	1976-82
02464000	North River near Samantha	223	temp, s.c., d.o., pH	1981, 1983-99
02464146	Turkey Creek near Tuscaloosa	6.16	temp, s.c.	1981-84, 1987-99
02464360	Binion Creek below Gin Creek near Samantha	57.0	temp, s.c.	1987-99
02464500	North River near Tuscaloosa	372	temp	1959-60
02464800	Lake Tuscaloosa near Tuscaloosa	416	temp, s.c., pH, d.o.	1983-95
02465000	Black Warrior River at Northport	4,820	temp, s.c., d.s.	1961-83
02465004	Black Warrior River at Oliver L&D, at Tuscaloosa	4,821	temp	1971-72
02466031	Black Warrior River below Selden Dam near Eutaw	5,810	temp, s.c.	1978-95
02465400	Big Sandy Creek at Duncanville	55.9	temp	1958-60
02468500	Chickasaw Bogue near Linden	257	s.c., d.s.	1970-76
02469730	Okatuppa Creek near Barrytown	260	temp, s.c.	1965-66
02469762	Tombigbee River below Coffeeville L&D near Coffeeville	18,417	temp, s.c.	1975-97
02470040	Tombigbee River near Jackson	19,112	temp, s.c.	1963-75
02470629	Mobile River at City Intake near Bucks	43,000	temp, s.c.	1990-91
02479560	Escatawpa River near Agricola, MS	562	temp, s.c.	1980-86
02479945	Big Creek at County Road 63 near Wilmer	31.5	temp, s.c.	1990-93
02479948	Juniper Creek at Glenwood Road near Fairview	9.22	temp, s.c.	1990-92
02479950	Collins Creek at Glenwood Road near Fairview	8.54	temp, s.c.	1990-92
02479955	Long Branch near Wilmer	2.85	temp, s.c.	1991
02479960	Boggy Branch at County Road 5 near Wilmer	3.17	temp, s.c.	1990-91
02479980	Crooked Creek near Fairview	8.08	temp, s.c.	1990-92
02480002	Hamilton Creek at Snow Road near Semmes	8.22	temp, s.c.	1990-93
02480004	Hamilton Creek (Big Creek Lake Intake) near Semmes	105	temp, s.c.	1990-93
03571850	Tennessee River at South Pittsburg, TN	22,640	temp, s.c.	1975-81
03572375	Tennessee River near Bellefonte	23,340	temp	1976-82
03572900	Town Creek near Geraldine	141	temp	1968-73
03575000	Flint River near Chase	342	temp	1964-67, 1971-78
03576148	Cotaco Creek at Florette	136	temp	1980-83
03577150	Tennessee River at Decatur	26,900	temp	1970-78
03586500	Big Nance Creek at Courtland	166	temp	1980
03591800	Bear Creek near Hackleburg	143	temp	1965-73
03592200	Cedar Creek near Pleasant Site	189	temp	1963-72
03592250	Little Bear Creek near Glasgow	34.4	temp	1976-78
03592300	Little Bear Creek near Halltown	78.2	temp	1962-71
03592500	Bear Creek at Bishop	667	temp	1962-78

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS

The following list contains discontinued and currently operated partial-record and miscellaneous surface-water stations located on streams within the State of Alabama and near its border with adjacent States. Water-quality data were collected and published for parameters (including biological [biol], chemical [chem], and suspended sediment [sedi]) as shown in the type of record columns. The water years for which data were collected are shown in the period of record column. Physical or field parameters were collected and published for all stations for which water-quality data is obtained. Gaging and partial-record stations which only have miscellaneous specific conductance and temperature data are not included in this list. This list was compiled using annual data reports and does not include sites with data collected prior to 1961 water year.

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02339215	Wehadkee Creek near Rock Mills		X		1968
02339230	Cuss Creek near Roanoke		X		1965
02339495	Osilgee Creek near Lanett		X		1968
02339500	Chattahoochee River at West Point, GA	X	X		1968-69, 79-81, 84-96
				X	1968-70, 79-88, 90-96
					1981-84, 86-88
02339550	Chattahoochee River at Lanett	X			1980
			X		1978, 80
02339780	Chattahoochee River at Langdale		X		1978
02340750	Osanippa Creek near Fairfax		X		1965, 68
02340770	Osanippa Creek near Blanton		X		1969
02341030	Wacoochee Creek near Valley		X		1968
02341480	Mill Creek near Phenix City		X		1968
02341500	Chattahoochee River at Columbus, GA	X			1968-69
			X		1968-70
02342150	Uchee Creek near Seale		X		1968
02342200	Phelps Creek near Opelika		X		1968
02342280	Little Uchee Creek near Blecker		X		1968
02342360	Little Uchee Creek near Crawford		X		1968
02342400	Little Uchee Creek near Seale		X		1968
02342500	Uchee Creek near Fort Mitchell		X		1968-71, 73, 82-83, 93-94
				X	1993-94
02342892	Hatchechubbee Creek near Pittsview		X		1968
02342897	Watermelon Creek near Pittsview		X		1968
02342899	Watermelon Creek at Pittsview		X		1968
02342920	North Fork Cowikee Creek near Glenville		X		1993-94
				X	1993-94
02342933	South Fork Cowikee Creek near Batesville		X		1964-65, 69, 71, 82-83
02342970	Chattahoochee River at Georgetown, GA		X		1964
02343040	Cheneyhatchee Creek near Georgetown, GA		X		1964
02343260	Chattahoochee River at Fort Gaines, GA		X		1964
02343275	Abbie Creek near Abbeville		X		1964, 69
02343292	Sandy Creek near Newville		X		1964
02343300	Abbie Creek near Haleburg		X		1964-65, 69, 71, 74, 84
02343370	Abbie Creek below Haleburg		X		1993
				X	1993
02343500	Chattahoochee River at Columbia		X		1964
02343700	Stevenson Creek near Headland		X		1964-65, 69
02343750	Omussee Creek at Columbia		X		1964, 93-94
				X	1994
02343801	Chattahoochee River near Columbia	X			1983-96
			X		1970, 83-96
				X	1983-96
02344000	Chattahoochee River at Alaga	X			1968-69
			X		1964, 68-69, 71-74
02358770	Big Creek near Madrid		X		1964
0235878075	Cowarts Creek above Cottonwood		X		1994
				X	1994
02359975	Lindsey Creek near Clayton		X		1964
02360000	West Fork Choctawhatchee River at Blue Springs		X		1964, 69
02360002	Blue Spring at Blue Springs		X		1971
02360275	Judy Creek near Ozark		X		1964
02360280	Judy Creek near Ozark		X		1969
02360300	East Fork Choctawhatchee River near Edwin		X		1964
02360500	East Fork Choctawhatchee River near Midland City		X		1964, 69
02361000	Choctawhatchee River near Newton		X		1964-66, 69, 71-83
02361075	Kelly Spring near Dothan		X		1977
02361150	Little Choctawhatchee River near Dothan		X		1964
02361175	Choctawhatchee River near Wicksburg		X		1964
02361250	Hurricane Creek near Hartford		X		1964
02361350	Bear Creek near Ozark		X		1964
02361375	Claybank Creek near Daleville		X		1964
02361400	Claybank Creek at Clayhatchee		X		1964

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02361500	Choctawhatchee River near Bellwood		X		1964
02362000	Choctawhatchee River near Geneva		X		1964
02362200	Double Bridges Creek near Enterprise		X		1964
02362500	Double Bridges Creek at Geneva		X		1964
02362590	Johnson Creek near Midway		X		1964
02362638	Indian Creek at Pickett		X		1964
02362640	Pea River near Perote		X		1964
02362700	Pea Creek near Clayton		X		1964
02362750	Pea Creek near Louisville		X		1964
02362775	Buckhorn Creek near Josie		X		1964
02362790	Pea River near Brundidge		X		1964
02362800	Branch Creek near Clio		X		1964
02362810	Big Creek near Clio		X		1964
02362850	Richland Creek near Brundidge		X		1964
02363000	Pea River near Ariton		X		1964-65, 69, 72-83
02363100	Pea River near Elba		X		1964
02363200	Whitewater Creek near Brundidge		X		1964
02363300	Whitewater Creek near Arcus		X		1964
02363400	Big Creek near Arcus		X		1964
02363500	Whitewater Creek at Elba		X		1964
02364000	Pea River at Elba		X		1964
02364500	Pea River near Samson		X		1964-65, 69, 72
02364700	Flat Creek near Samson		X		1964
02364900	Sandy Creek near Geneva		X		1964
02365000	Pea River near Geneva		X		1964
02367480	Lightwood Knot Creek near Opp		X		1964
02367500	Lightwood Knot Creek at Babbie		X		1964, 69
02367600	Indian Creek near Opp		X		1969
02367700	Five Runs Creek near Andalusia		X		1964, 69
02367800	Yellow River near Wing		X		1964-65, 69
02369725	Blackwater Creek near Falco		X		1969
02369738	Blackwater Creek at Bradley		X		1969
02369755	Panther Creek near Falco		X		1969
02369764	Panther Creek at Bradley		X		1969
02369775	Bear Creek near Dixie		X		1969
02369798	Bear Creek at Bradley		X		1969
02369800	Blackwater River near Bradley	X			1978, 85-96
			X		1964, 69, 71, 77-83, 85-96
				X	1985-95
02370800	Conecuh River at Boswell		X		1964
02370900	Conecuh River near Corcoran		X		1964
02371000	Conecuh River near Troy		X		1964
02371200	Indian Creek near Troy		X		1964-65, 69, 71, 82-83
02371300	Conecuh River at Goshen		X		1964
02371380	Conecuh River at Glenwood		X		1964
02371500	Conecuh River at Brantley		X		1964-69, 71-83
02371505	Dry Creek at Brantley		X		1964
02371600	Conecuh River at Dozier		X		1964
02371701	Conecuh River at Gantt		X		1964
02371850	Patsaliga Creek near Petrey		X		1964
02371950	Patsaliga Creek at Patsburg		X		1964
02371975	Patsaliga Creek near Luverne		X		1964
02372000	Patsaliga Creek at Luverne		X		1964
02372100	Little Patsaliga Creek at Honoraville		X		1964, 69
02372150	Little Patsaliga Creek near Rutledge		X		1964
02372250	Patsaliga Creek near Brantley		X		1964, 82-83
02372300	Patsaliga Creek near Boston		X		1964
02372350	Patsaliga Creek near Gantt		X		1964
02372400	Buck Creek near Red Level		X		1964, 69
02372430	Conecuh River at River Falls		X		1964
02372500	Conecuh River near Andalusia		X		1964-65, 69
02372690	Long Creek near Garland		X		1964
02372700	Sepulga River near Garland		X		1964
02372740	Persimmon Creek near Greenville		X		1964
02372800	Stallings Creek near Greenville		X		1964
02372880	Persimmon Creek near McKenzie		X		1964
02372900	Oaklog Creek near Georgiana		X		1964
02372920	Persimmon Creek at Garland		X		1964
02373000	Sepulga River near McKenzie		X		1964-65, 69, 77-83
02373100	Pigeon Creek near Spring Hill		X		1964
02373180	Pigeon Creek near Greenville		X		1964
02373300	Pigeon Creek near Pigeon Creek		X		1964

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02373500	Pigeon Creek near Thad		X		1964-65, 69
02373700	Sepulga River near Brooklyn		X		1964
02373800	Sepulga River at Brooklyn		X		1978-83
02374000	Conecuh River near Brooklyn		X		1964, 69
02374250	Conecuh River near Brewton		X		1964
02374500	Murder Creek near Evergreen		X		1964-65, 69, 71-80, 82-83
02374600	Murder Creek at Castleberry		X		1964
02374700	Murder Creek at Brewton		X		1964
02374715	Burnt Corn Creek near Belleville		X		1964
02374730	Bushy Creek near Range		X		1964
02374750	Burnt Corn Creek at Brewton		X		1964
02374760	Conecuh River near Pollard		X		1964, 71
02374796	Little Escambia Creek below Chavers Creek near Pollard		X		1964, 66, 70-73
02374797	Tributary to Little Escambia Creek near Pollard		X		1972-73
02374798	Little Escambia Creek below Pollard Oil Field		X		1964, 66-73
02374800	Little Escambia Creek near Pollard		X		1964, 66-73
02374900	Big Escambia Creek near Robinsonville		X		1964
02375000	Big Escambia Creek at Flomaton		X		1964, 69
02375500	Escambia River near Century, FL	X			1982-94
			X		1982-94
				X	1982-94
02376220	Perdido River at US 31 near Atmore	X			1994
			X		1994
02376240	Dyas Creek near Dyas	X			1994
			X		1967, 94
02376245	McCurtin Creek near Bay Minette		X		1969
02376270	Brushy Creek near Atmore		X		1964
02376500	Perdido River at Barrineau Park, FL	X			1978-99
			X		1967, 69, 72-99
				X	1978-94
02377200	Styx River near Stapleton		X		1969
02377300	Styk River at Brady Road below Stapleton	X			1993-94
			X		1993-94
				X	1993-94
02377500	Styx River near Loxley	X			1993-96
			X		1966-67, 69, 71, 93-96
				X	1994
02377505	Hollinger Creek near Bay Minette		X		1969
02377540	Hollinger Creek at Brady Road near Stapleton	X			1993-94
			X		1993-94
				X	1994
02377550	Hollinger Creek near Gateswood		X		1967
02377920	Blackwater River at US 90 near Robertsdale	X			1994
			X		1994
02377960	Blackwater River near Elsanor	X			1994-96
			X		1994-96
02377975	Blackwater River above Seminole		X		1967
02378150	Sandy Creek at US 98 near Elberta	X			1994-95
			X		1994-95
02378170	Wolf Creek near Elberta	X			1994
			X		1994
02378176	Wolf Creek at County Road 20 near Mifflin	X			1994
			X		1994
02378177	Mifflin Creek at US 98 at Elberta	X			1994-95
			X		1994-95
0237817725	Wolf Bay at Orange Beach	X			1994
			X		1994
02378195	Bon Secour River at County Road 12 near Foley	X			1994
			X		1994
0237819550	Boggy Branch at State Highway 59 near Gulf Shores	X			1994
			X		1994
02378300	Magnolia River at US 98 near Magnolia Springs	X			1994-96
			X		1967, 94-96
02378330	Magnolia River at mouth at Weeks Bay	X			1994
			X		1994
02378375	Fish River at I-10 near Loxley	X			1993-94
			X		1993-94
				X	1994
02378400	Fish River at U.S. 90 near Loxley	X			1993
			X		1993
				X	1994

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02378410	Fish River near Daphne		X		1967
002378500	Fish River near Silver Hill	X	X		1993-96
				X	1966-67, 69, 71-72, 93-96
					1993-94
02378530	Polecat Creek at County Road 9 near Marlow	X			1994
			X		1994
02378540	Cowpen Creek at County Road 33 near Clay City	X			1994, 96
			X		1994, 96
02378590	Fly Creek at US 98 near Fairhope	X			1994
			X		1994
02378600	Rock Creek at US 98 near Fairhope	X			1994
			X		1994
02378770	D'Olive Creek at US 90 near Bridgehead	X			1994
			X		1994
02378800	D'Olive Creek at US 98 near Daphne	X			1994
			X		1994
02397680	Spring Creek near Bomar		X		1967
02398300	Chattooga River above Gaylesville		X		1966-68, 72, 74, 99
				X	1999
02398500	Chattooga River at Gaylesville		X		1967
02398580	Middle Fork Little River near Valley Head		X		1977
02398865	West Fork Little River at Taylor Ford near Valley Head		X		1977
02398880	West Fork Little River near Fort Payne		X		1967
02399000	Little River near Jamestown		X		1966-68
02399200	Little River near Blue Pond		X		1966-68, 71, 73-75, 77-83
				X	1979-80
02399205	Congo Spring near Blanche		X		1977
02399500	Coosa River at Weiss Dam at Leesburg		X		1967-68
02399800	Little Terrapin Creek near Borden Springs		X		1966, 68
02400000	Terrapin Creek near Piedmont		X		1967
02400100	Terrapin Creek at Ellisville		X		1966-68, 84
02400500	Coosa River at Gadsden	X			1972-73
			X		1965-67, 69-73
02400680	Big Wills Creek near Collinsville		X		1967
02400750	Big Wills Creek near Collinsville		X		1967
02401000	Big Wills Creek near Reece City	X			1978
			X		1965-67, 73, 75-83
02401093	Black Creek near Reece City		X		1967, 79
				X	1979
02401100	Black Creek near Gadsden		X		1967
02401180	Big Wills Creek at Godson		X		1967
02401370	Big Canoe Creek near Springville		X		1967-68, 82-83
02401387	Muckleroy Spring near Whitney		X		1971
02401390	Big Canoe Creek at Ashville		X		1966-68, 71-83
02401500	Big Canoe Creek near Godson		X		1965-68
02401590	Shoal Creek near Ragland		X		1967-68, 79, 81
				X	1979, 81
02401650	Webster Chapel Spring near Webster Chapel		X		1977
02401700	Ohatchee Creek at Reeds		X		1967
02401745	Big Spring at Jacksonville		X		1975
02401800	Tallahatchee Creek near Wellington		X		1967
02401895	Ohatchee Creek at Ohatchee		X		1967
02401915	Cane Creek at Francis Mill		X		1967
02401990	Broken Arrow Creek near Pell City		X		1967-68
02402500	Coosa River at Riverside		X		1968
02403135	Choccolocco Creek near White Plains		X		1967
02403200	Choccolocco Creek at Choccolocco		X		1967
02403500	Coldwater Spring near Anniston		X		1973

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02404000	Choccolocco Creek near Jenifer		X		1966-68, 71
02404235	Cheaha Creek near McElderry		X		1967-68
02404245	Cheaha Creek near Talladega		X		1968
02404400	Choccolocco Creek at Jackson Shoals near Lincoln		X		1965-68, 74, 77-83
02405325	Wolf Creek near London		X		1967-68
02405500	Kelly Creek near Vincent		X		1965-69, 72, 74, 79-82
				X	1979-81
02405800	Talladega Creek above Talladega		X		1965-69
02406000	Talladega Creek near Talladega		X		1972
02406500	Talladega Creek at Alpine		X		1967-68, 72
02406920	Tallaseehatchee Creek near Sylacauga		X		1967-68
02406990	Tallaseehatchee Creek near Childersburg		X		1967-68
02407000	Coosa River at Childersburg	X			1972-73
			X		1965-82
02407470	North Fork Yellowleaf Creek at Chelsea		X		1967-68
02407500	Yellowleaf Creek near Wilsonville		X		1965-69, 80-82
				X	1980-81
02407520	Yellowleaf Creek at Wilsonville		X		1967-68
02407620	Cedar Creek at Fayetteville		X		1967-68
02407660	Kawahatchee Spring Creek near Shelby		X		1967
02407710	Waxahatchee Creek near Shelby		X		1967-68
02407900	Paint Creek near Marble Valley		X		1968-69
02408010	Yellowleaf Creek near Clayton		X		1965, 68
02408030	Yellowleaf Creek near Lay Dam near Clanton		X		1968
02408170	Walnut Creek near Clayton		X		1968
02408325	Hatchet Creek near Brownsville		X		1968
02408340	Little Hatchet Creek near Goodwater		X		1968
02408350	Hatchet Creek near Goodwater		X		1968
02408450	Socapatoy Creek near Socapatoy		X		1968
02408500	Hatchet Creek near Rockford		X		1968-69, 71-79
02408540	Hatchet Creek below Rockford		X		1982-84
02408600	Swamp Creek at Salter		X		1968
02409000	Weogufka Creek near Weogufka		X		1968
02409500	Coosa River at Mitchell Dam near Verbena		X		1968
02409502	Coosa River near Verbena		X		1974
02409510	Chestnut Creek at Verbena		X		1968
02409680	Shoal Creek near Holtville		X		1968
02410000	Paterson Creek near Central		X		1968, 72, 74, 77
02410040	Sofkahatchee Creek near Weoka		X		1968
02411000	Coosa River at Jordan Dam near Wetumpka		X		1972-73, 75-83
02411600	Coosa River at Wetumpka		X		1968-69
02412000	Tallapoosa River near Heflin	X			1969-73
			X		1965-66, 68-74, 77-83
02412065	Cane Creek near Heflin		X		1968
02412210	Tallapoosa River near Belltown		X		1968
02412290	Chulafinee Creek at Hollis		X		1968
02412300	Tallapoosa River near Hollis		X		1968
02412500	Tallapoosa River near Ofelia		X		1968
02413280	Lost Creek at Ranburne		X		1968
02413300	Little Tallapoosa River near Newell		X		1968, 82-83
02413400	Wedowee Creek above Wedowee		X		1968
02413475	Wedowee Creek near Wedowee		X		1968
02413500	Little Tallapoosa River near Wedowee		X		1968
02413800	Fox Creek near Lineville		X		1968
02414030	Crooked Creek at Cragford		X		1968
02414500	Tallapoosa River at Wadley	X			1970-73
			X		1965, 68-73, 77-83
02414580	High Pine Creek at Abanda		X		1968
02414595	Chickasaw Creek at Milltown		X		1968
02414670	Chatahospee Creek near Lafayette		X		1968
02414720	Emuckfaw Creek near Hamlet		X		1968
02414770	Enitachopca Creek at Bluff Springs		X		1968
02414790	Little Hillabee Creek near Millerville		X		1968
02414800	Harbuck Creek near Hackneyville		X		1968
02415000	Hillabee Creek near Hackneyville		X		1965-66, 68-71
02415270	Town Creek near Alexander City		X		1968
02415500	Hillabee Creek near Alexander City		X		1968
02416480	Sandy Creek near Dadeville		X		1968

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02418040	Channahatchee Creek near Kent		X		1968
02418170	Pepperal Branch near Opelika		X		1969
02418200	Sougahatchee Creek near Auburn		X		1968
02418264	Sougahatchee Creek above Reeltown		X		1968
02418500	Tallapoosa River below Tallassee	X			1969-73
			X		1968-73, 75-83
02418750	Chewala Creek near Auburn		X		1968
02418770	East Fork Parkerson Mill Creek near Auburn		X		1969
02418775	Parkerson Mill Creek near Auburn		X		1968
02418970	Choclafula Creek near Tuskegee		X		1971
02419000	Uphapee Creek near Tuskegee		X		1968-69, 71-83
02419300	Uphapee Creek at Franklin		X		1968
02419625	Calebee Creek near Tuskegee		X		1971
02419650	Cubahatchee Creek near Fort Davis		X		1964
02419670	Cubahatchee Creek near Shorter		X		1968
02419800	Line Creek near Shorter		X		1968
02419840	Chubbehatchee Creek near Ware		X		1968
02419849	Highway runoff to Jenkins Creek near Montgomery	X			1992-93
			X		1992-93
				X	1992-93
02419886	Pipe from apartments into Mont-East Ditch at Montgomery	X			1992-93
			X		1992-93
				X	1992-93
02419890	Tallapoosa River near Montgomery		X		1971-81
02419893	Tallapoosa River at US 231 near Montgomery		X		1971
02419930	Mortar Creek near Deatsville		X		1968
02419935	South Mortar Creek near Deatsville		X		1968
02419952	Cottonford Creek near Elmore		X		1968
02419977	Threemile Branch at North Boulevard at Montgomery		X		1999
				X	1999
0241998910	Tributary to Sevenmile Creek tributary at Gunter Park at Montgomery	X			1992-93
			X		1992-93
				X	1992
0241998745	Pipe from Eastdale Mall parking to Eastdale Ditch at Montgomery	X			1992-93
			X		1992-93
				X	1992-93
0241998978	Childrens Zoo Ditch tributary at Montgomery	X			1992-93
			X		1992-93
				X	1992-93
0241998810	Civic Center Pipe at Montgomery	X			1992-93
			X		1992-93
				X	1992-93
02420000	Alabama River near Montgomery	X			1972-73, 75-92
			X		1968-73, 75-92
				X	1975-98
02420270	Autauga Creek near White City		X		1968
02420290	Autauga Creek at County Road 10 near Booth	X			1995
			X		1995
02420345	Bridge Creek at County Road 10 near Prattville	X			1995
			X		1968, 95
02420500	Autauga Creek at Prattville	X			1995
			X		1971, 95
02420855	Tributary to Camp Creek at Montgomery	X			1992-93
			X		1992-93
				X	1992
02421000	Catoma Creek near Montgomery		X		1968-69, 71-83
02421115	Pintlalla Creek at Liberty Church Road near Pintlalla		X		1999
				X	1999
02421135	Pinchony Creek near Davenport		X		1968-69
02421175	Pintlalla Creek near Montgomery		X		1968-69
02421205	Tallawessee Creek near Robinson Bend		X		1968-69
02421245	Swift Creek near Billingsley		X		1968
02421256	Swift Creek near Vida		X		1968
02421280	Swift Creek at Autaugaville		X		1965, 68
02421500	Big Swamp Creek near Hayneville		X		1969
02422000	Big Swamp Creek near Lowndesboro		X		1968-82
02422150	Little Mulberry Creek at Statesville		X		1968
02422190	Middle Fork Mulberry Creek above Maplesville		X		1968
02422200	Middle Fork Mulberry Creek near Maplesville		X		1965
02422330	Mulberry Creek near Maplesville		X		1968
02422500	Mulberry Creek at Jones		X		1966-70, 77-83

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02422600	Uriah Creek at Burnsville		X		1966-68
02422780	Alabama River at Alternate 80 near Selma		X		1970
02422850	Blue Girth Creek near Selma		X		1965
02423000	Alabama River at Selma	X			1972-73
			X		1965-73
				X	1990-95,97-99
02423030	Valley Creek near Selma		X		1965
02423130	Cahaba River at Trussville	X			1990-91
			X		1967-68, 79-80, 90-91
				X	1979-80
02423170	Big Black Creek (R-5) near Margaret		X		1997
02423180	Middle Black Creek (R-10) near Sanie		X		1997
02423183	Big Black Creek (R-1) near Acmar		X		1997
02413184	Little Black Creek (R-9) near Sanie		X		1997
02423185	Little Black Creek (R-3L) near Acmar		X		1997
02423187	Big Black Creek (C-1) near Braggsville		X		1997
02423188	Big Black Creek (C-4) above Whites Chapel		X		1997
02423189	Big Black Creek (C-6) near Whites Chapel		X		1997
02423190	Big Black Creek (C-8) near Leeds		X		1967-68, 79-80,97
				X	1979-80
02423305	Cahaba River at US 78 near Leeds	X			1990-91
			X		1990-91
02423380	Cahaba River near Mountain Brook	X			1990-99
			X		1990-99
02423390	Cahaba River at BWB Pump Station near Cahaba Heights	X			1990-91
02423398	Little Cahaba River near Leeds		X		1969, 79-80
				X	1979-80
02423400	Little Cahaba River near Jefferson Park	X			1987-99
			X		1986-99
02423403	Tributary to Shephard Branch near Leeds	X			1988-90
			X		1988-90
02423404	Shephard Branch near Leeds	X			1987-90
			X		1986-90
02423405	Lake Purdy at Irondale Bridge near Leeds	X			1987-99
			X		1986-99
0242340550	Cox Creek near Cahaba Heights	X			1987-99
			X		1987-99
0242340575	Lee Branch near Cahaba Heights	X			1987-99
			X		1987-99
02423406	Lake Purdy at State Highway 119 near Cahaba Heights	X			1987-91
			X		1986-91
02423407	Tributary to Ike Pond Slough near Cahaba Heights	X			1987, 89-90
			X		1987, 89-90
02423409	Lake Purdy near Cahaba Heights	X			1987-91
			X		1986-91
02423410	Little Cahaba River below Lake Purdy Dam near Cahaba Heights	X			1987-99
			X		1986-99
02423415	Cahaba River near Homewood		X		1967-68
02423425	Cahaba River near Cahaba Heights		X		1979-84
				X	1979-80
0242354750	Cahaba Valley Creek at Cross Creek Road at Pelham		X		1999
				X	1999
02423555	Cahaba River near Helena		X		1965-68
0242357007	Tributary to Shades Creek at Elder Street near Irondale	X			1992
			X		1992
02423572	Shades Creek tributary at Mountain Dale Road at Mountain Brook	X			1992
			X		1992
				X	1992
02423580	Shades Creek near Homewood		X		1967-68, 79-80
				X	1979-80
02423620	Little Shades Creek at State Highway 150 near Bessemer		X		1980
				X	1980
02423623	Tributary to Little Shades Creek near Bessemer		X		1967-68
02423625	Shades Creek at Hopewell		X		1967-68
02423630	Shades Creek near Greenwood		X		1967, 69-83
				X	1979-81
02423639	Mud Creek near Greely		X		1971
02423647	Cahaba River near West Blocton		X		1978-83
				X	1979-82
02423730	Shoal Creek at Montevallo		X		1967-68
02423785	Mahan Creek near Brierfield		X		1968

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02423800	Little Cahaba River near Brierfield		X		1965-68
02423870	Copperas Creek near Six Mile		X		1968
02423875	Six Mile Creek near Six Mile		X		1968
02423915	Schulz Creek near West Blocton		X		1968
02423945	Hill Creek near West Blocton		X		1968
02424000	Cahaba River at Centreville	X			1991-94
			X		1965-66, 68, 71-83, 91-94, 99
				X	1991-93, 99
02424035	Haysop Creek at Brent		X		1968
02424250	Blue Outee Creek near Harrisburg		X		1968
02424270	Old Town Creek near Heiberger		X		1968
02424500	Cahaba River at Sprott		X		1966, 68
02424590	Cahaba River near Suttle			X	1990-95, 97-99
02424910	Oakmulgee Creek near Perryville		X		1968
02424930	Little Oakmulgee Creek near Summerfield		X		1968
02424940	Oakmulgee Creek near Augustin		X		1980-84
02425000	Cahaba River near Marion Junction	X			1978
			X		1965, 73, 77-83
				X	1999
02425200	Big Swamp Creek near Orrville		X		1972, 82-83
02425400	Cedar Creek near Monterey		X		1964
02425500	Cedar Creek at Minter		X		1965-68, 73, 77-83
02425530	Dry Cedar Creek at Fostoria		X		1965
02425595	Cedar Creek near Berlin		X		1965
02425655	Mush Creek near Selma		X		1965-66, 69
02425800	Alabama River near Pinebelt		X		1973-74
02425940	Bogue Chitto Creek near Vilula		X		1968
02426000	Bogue Chitto Creek near Browns		X		1965-68, 71
02427000	Bogue Chitto Creek near Orrville		X		1965
02427100	Chilatchee Creek near Alberta		X		1965, 67
02427250	Pine Barren Creek near Snow Hill		X		1965, 67
02427300	Prairie Creek near Oak Hill		X		1965-67
02427350	Pine Barren Creek near Camden		X		1965
02427355	Pine Barren Creek at mouth below Camden		X		1965
02427470	Alabama River near Catherine			X	1990-95
02427500	Alabama River near Millers Ferry		X		1965-67
02427511	Alabama River near Midway			X	1990-94
02427520	Dixon Creek near Midway		X		1967
02427540	Alabama River at Clifton's Landing		X		1965
02427630	Beaver Creek near Pine Hill		X		1965, 67
02427700	Turkey Creek at Kimbrough		X		1965-67, 69, 71-80, 82-83
02427720	Goose Creek near Kimbrough		X		1965
02427760	Unnamed Branch near Coal Bluff		X		1965
02427865	Pursley Creek above Camden		X		1965, 67
02428070	Bear Creek near Sunny South		X		1965
02428200	Alabama River near Lower Peachtree Landing		X		1965, 67
02428300	Tallatchee Creek near Vrendenburgh		X		1965-67
02428370	Cane Creek at Chance		X		1965
02428440	Flat Creek near Buena Vista		X		1967
02428475	Robinson Creek near Beatrice		X		1965
02428480	Robinson Creek near Scotland		X		1967
02428500	Flat Creek at Fountain		X		1965-67, 69
02428800	Brushy Creek at Peterman		X		1967
02429000	Limestone Creek near Monroeville		X		1965-67, 69, 71-73
02429500	Alabama River at Claiborne	X			1969, 71-95
			X		1965-69, 71-96, 99
				X	1974-79, 82-99
02429520	Randon Creek near Frisco City		X		1967
02429525	Lovetts Creek near Frisco City		X		1967
02429580	Butterfork Creek near Uriah		X		1971-74
02429595	Little River near Uriah		X		1969, 71, 77-79
02429605	Little River at State Highway 59 near Little River	X			1994
			X		1967, 94
02429615	Alabama River near South Carlton		X		1967, 70
02429620	Alabama River below South Carlton		X		1967, 70
02429628	Turkey Creek at State Highway 59 near Blacksher	X			1994
			X		1967, 94
02429650	Majors Creek at State Highway 59 near Tensaw	X			1994-96
			X		1967, 94-96
02432000	Bull Mountain Creek at Schotsville		X		1966-67

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02437784	Buttahatchee River below Lake Buttahatchee near Whitehouse		X		1964
02437791	Buttahatchee River near Whitehouse		X		1964, 66-67
02437793	Tributary to Buttahatchee River near Haleyville		X		1965
02437795	West Branch Buttahatchee River at Whitehouse		X		1979-80
				X	1979-80
02437800	Barn Creek near Hackleburg		X		1966-67
02437805	Barn Creek at US 278 near Hamilton		X		1979-80
				X	1979-80
02437810	Buttahatchee River above Pearces Mill		X		1980-81
				X	1980-81
02437815	Buttahatchee River near Pearces Mill		X		1966-67, 79-80
				X	1979-80
02437825	Camp Creek near Hamilton		X		1966-67, 79-80
				X	1979-80
02437850	Clifty Creek near Hamilton		X		1966-67
02437868	Williams Creek above Hamilton		X		1966-67, 79-80
				X	1979-80
02437900	Woods Creek near Hamilton		X		1966-67, 79-80
				X	1979-80
02438000	Buttahatchee River below Hamilton		X		1966-67, 77, 80-81
				X	1980-81
02438450	Buttahatchee River at Fulton Bridge		X		1979-80
				X	1979-80
02438550	Buttahatchee River at Henson Springs		X		1979-80
				X	1979-80
02438700	Mill Creek near Detroit		X		1972
02438710	Spruiell Branch near Detroit		X		1972
02438852	Beaver Creek near Guin		X		1979-80
				X	1979-80
02438900	Beaver Creek near Beaverton		X		1967
02439000	Buttahatchee River near Sulligent		X		1966-67, 80, 84
				X	1980
02439070	Hurricane Creek near Hamilton		X		1965
02439080	Hurricane Creek at Bexar		X		1966-67
02439110	Broadtree Creek near Bexar		X		1967
02439150	Sipsey Creek near Detroit		X		1966-67
02439155	Tributary to Sipsey Creek near Detroit		X		1972
02439157	Reedy Branch near Detroit		X		1972
02441498	Tombigbee River in Bendway at Columbus, MS	X			1989-90
			X		1989-90
				X	1987, 89, 93,95,97-98
02441920	Luxapallila Creek near Glen Allen		X		1967-68, 79-80
				X	1979-80
02442000	Luxapallila Creek near Fayette		X		1965-68
02442500	Luxapallila Creek at Millport		X		1967, 82
				X	1982
02443030	Yellow Creek above Vernon		X		1967
02443110	Yellow Creek near Molloy		X		1967
02443240	Mud Creek near Melborne		X		1967
02443610	Tombigbee River at Camp Pratt below Columbus, MS	X			1989-90
			X		1989-90
02443950	Coal Fire Creek near Coal Fire		X		1967
02444000	Coal Fire Creek near Pickensville		X		1966-68, 74, 77-82
				X	1982
02444157	Tombigbee River at State Highway 86 near Pickensville			X	1989-95,97-99
02444161	Tombigbee River below Aliceville Lock & Dam near Pickensville	X			1983-85
			X		1980-85
				X	1982
02444200	Big Creek near Pickensville		X		1967
02444210	Tombigbee River in Big Creek Bendway near Pickensville	X			1989-90
			X		1989-90
02444490	Bogue Chitto Creek near Memphis		X		1999
				X	1999
02444500	Tombigbee River near Cochrane	X			1969-75
			X		1967, 69-80
				X	1989-95,97
02444510	Blubber Creek near Aliceville		X		1967
02444850	Lubbub Creek near Reform		X		1967
02445000	Lubbub Creek near Carrollton		X		1966-68, 77-82
				X	1982
02445125	Bear Creek below Gordo		X		1967-68

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02445145	Bear Creek near Dillburg		X		1967
02445155	Tombigbee River at Vienna Ferry		X		1967-68
02445245	New River near Winfield		X		1966-67, 79-80
				X	1979-80
02445250	Gulf Branch near Glen Allen		X		1982
02445253	Mallards Creek near Glen Allen		X		1982
02445290	Sipsey River near Bazemore		X		1980-81
				X	1980-81
02445320	Sipsey River near Hubbertville		X		1967-68, 79-80
				X	1979-80
0244532645	Boxes Creek Site F near Howard		X		1983
0244532650	Boxes Creek Site E-1 near Howard		X		1983
0244532655	Boxes Creek Site E near Howard		X		1983
0244532660	Boxes Creek Site D near Howard		X		1983
0244532665	Boxes Creek Site C-3 near Howard		X		1983
0244532670	Boxes Creek Site C-2 near Howard		X		1983
0244532672	Boxes Creek Site C-1 near Howard		X		1983
0244532675	Boxes Creek Site C near Howard		X		1983
0244532680	Boxes Creek Site B-2 near Howard		X		1983
0244532682	Boxes Creek Site B-3 near Howard		X		1983
0244532685	Boxes Creek Site B-1 near Howard		X		1983
0244532687	Boxes Creek Site B near Howard		X		1983
0244532690	Boxes Creek Site A near Howard		X		1983
02445327	Boxes Creek at County Road 63 near Howard		X		1980-84
				X	1980-83
02445328	Boxes Creek near Fowlers Crossroads		X		1982
02445330	Boxes Creek near Howard		X		1979-80
02445332	Dry Creek near Fowlers Crossroads		X		1982
02445335	Boxes Creek near Fowlers Crossroads		X		1982
				X	1979-80
02445400	Sipsey River above Fayette		X		1967-68
02445500	Sipsey River at Fayette		X		1967-68, 79-80
				X	1979-80
02446500	Sipsey River near Elrod	X			1986, 89-90
			X		1965-68, 72, 80-82, 86, 89-90
				X	1982
02446950	Brush Creek at Morrow's Grove		X		1967-68
02447000	Sipsey River near Pleasant Ridge		X		1967, 77-80
02447008	Tombigbee River at Cooks Bend above cut near Warsaw			X	1989, 91, 94, 99
02447010	Tombigbee River in Cooks Bendway near Warsaw	X			1989-90
			X		1989-90
				X	1989, 91, 94, 96
02447015	Fenske Creek near Cochrane		X		1965
02447025	Tombigbee River at Gainesville Lock & Dam near Gainesville		X		1978
				X	1978
02447026	Tombigbee River below Gainesville Lock & Dam near Gainesville		X		1978
				X	1978
02448500	Noxubee River near Geiger	X			1975, 86, 89-90
			X		1967-68, 72, 74-75, 77-82,
					1986, 89-90
				X	1975, 82
02448900	Bodka Creek near Geiger		X		1967-68
02449000	Tombigbee River at Gainesville	X			1971-94
			X		1967, 69, 71-94
				X	1975-93
02449005	Tubbs Creek near New Mount Hebron		X		1967-68
02449050	Trussells Creek near Clinton		X		1967-68
02449150	Trussells Creek near New Mount Hebron		X		1967-68
02449245	Brush Creek near Eutaw		X		1982-83
02449250	Brush Creek near Lizzieville		X		1967-68
02449340	Factory Creek near Sumterville		X		1967-68
02449400	Jones Creek near Epes		X		1966
02449500	Tombigbee River at Epes		X		1967-68
02449750	Mulberry Fork near Brooksville		X		1967-68
02449775	Mulberry Fork near Holly Pond		X		1981
				X	1981
02449840	Duck Creek near Berlin		X		1967-68
02449870	Blue Spring near Blountsville		X		1971
02449890	Big Spring near Blountsville		X		1975
02449910	Eightmile Creek near Vinemont		X		1967-68
02449940	Brogan River near Cullman		X		1965-68

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02449950	Broglan River near Hanceville		X		1967-68
02450000	Mulberry Fork near Garden City		X		1965-68, 71-83
				X	1979-81
02450160	Marriott Creek at Black Bottom near Blount Springs		X		1967-68, 78-79
				X	1978-79
02450180	Mulberry Fork near Arkadelphia		X		1967-68, 79-81, 84
				X	1979-81
02450200	Dorsey Creek near Arkadelphia		X		1966-68, 78, 80-81
				X	1978, 80-81
02450215	Dorsey Creek below Arkadelphia		X		1978-81
				X	1978-81
02450250	Sipsey Fork near Grayson	X			1966-96
			X		1966-96
				X	1966-93,96
02450300	Sipsey Fork near Antioch Church		X		1966-67
02450450	Brushy Creek near Moreland		X		1966-67
02450600	Clear Creek near Natural Bridge		X		1979-80
				X	1979-80
02450620	Little Clear Creek near Double Springs		X		1966-67
02450800	Clear Creek near Double Springs		X		1966-67, 79-81
				X	1979-81
02450825	Clear Creek at New Hope Church near Poplar Springs		X		1979-81
				X	1979-81
02450850	Clear Creek near Poplar Springs		X		1966-67
02451535	Blevens Creek near James Chapel		X		1967-68
02451538	Brushy Fork near Addison		X		1967
02451540	Brushy Fork (East Fork) Sipsey Fork near Addison		X		1966
02451550	Jaybird Creek near West Point		X		1966
02451580	Crooked Creek near Logan		X		1967-68, 79-81
				X	1979-81
02451750	Vest Creek near Baldwin		X		1966, 68
02451770	Ryan Creek near Cullman		X		1967-68, 79-81
				X	1979-81
02451920	Lewis Smith Reservoir near Jasper		X		1966
02451952	Sipsey Fork below Lewis Smith Dam near Jasper		X		1979-81
				X	1980-81
02452000	Sipsey Fork near Jasper		X		1967
02452495	Leeth Creek near Sipsey		X		1979-81
				X	1980-81
02452540	Mathis Creek near Sumiton		X		1979
				X	1979
02452600	Blackwater Creek at Ashbank		X		1966-67, 80
				X	1980
02452660	Splunge Creek at Ashbank		X		1966-67, 79-80
				X	1979-80
02452680	Browns Creek at Stone Church		X		1966-67
02452700	Browns Creek near Ashbank		X		1967
02452701	Blackwater Creek near Nauvoo		X		1967, 79-80
				X	1979-80
02452815	Blackwater Creek near Saragoosa		X		1980
				X	1980
02452900	Spring Creek tributary near Manchester		X		1965, 78
				X	1978
02453000	Blackwater Creek near Manchester		X		1965-68, 71-73, 78-83
				X	1978-81
02453020	Blackwater Creek near Jasper		X		1967-68, 78-80
				X	1978-80
02453050	Mulberry Fork near Argo		X		1967-68
02453384	Cane Creek at Cameron		X		1978-80
				X	1979-80
02453400	Flat Branch near Jasper		X		1966-67
02453700	Mulberry Fork near Highlevel		X		1967-68
02453810	Unnamed Tributary to Lost Creek trib near Kansas		X		1982
02453811	Unnamed Tributary to Lost Creek trib near Eldridge		X		1982
02453815	Unnamed Tributary to Lost Creek near Carbon Hill		X		1982
02453828	West Fork Lost Creek near Townley		X		1979, 82
				X	1979
02453835	Trinity Creek near Carbon Hill		X		1979-82
				X	1979-82
02453836	Allen Creek near Howard		X		1980, 82
				X	1980

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02453837	Tributary to Cranford Creek near Howard		X		1980
				X	1980
0245383750	Cranford Creek near Carbon Hill		X		1982
02453839	Lost Creek east of Carbon Hill		X		1979
				X	1979
02453895	Lost Creek below Carbon Hill		X		1980
				X	1980
02453900	Cheatham Creek near Carbon Hill		X		1967-68, 78-80
				X	1978-79
02453930	Lost Creek near Holly Grove		X		1980
				X	1980
02453950	Lost Creek near Jasper		X		1966-67, 72, 78
				X	1978
02454000	Lost Creek near Oakman		X		1965-68, 78-82
				X	1978-81
02454065	Unnamed Branch near Oakman		X		1965
02454070	Spring tributary to Black Branch near Oakman		X		1965
02454072	Black Branch near Oakman		X		1965, 75, 78-81
				X	1978-80
02454095	Cane Creek near Parrish		X		1979-80
				X	1979-80
02454140	Wolf Creek near Howard		X		1980, 82-84
				X	1980, 82
02454150	Wolf Creek near Townley		X		1982
02454155	Wolf Creek at State Highway 102 near Townley		X		1979
				X	1979
02454160	Jess Creek at State Highway 102 near Townley		X		1982
02454169	Pendley Creek near Pea Ridge		X		1982
02454173	Pendley Creek near Corona		X		1982
02454175	Wolf Creek at Corona		X		1979
				X	1979
02454185	Blue Water Creek near Berry		X		1979
				X	1979
02454188	Little Blue Water Creek near Corona		X		1982
02454190	Tributary to Blue Water Creek near Oakman		X		1979-80
				X	1979-80
02454200	Wolf Creek near Oakman		X		1965-68, 78-82
				X	1978-80, 82
02454243	Indian Creek near Oakman		X		1982
02454250	Lost Creek near Goodsprings		X		1967-68
02454400	Locust Fork at Walnut Grove		X		1967
02454410	Locust Fork below Walnut Grove	X			1992, 94
			X		1992, 94
02454420	Cove Spring near Walnut Grove	X			1992, 94-97
			X		1971, 92, 94-97
02454460	Locust Fork at Snead	X			1992
			X		1992
02454500	Locust Fork below Snead	X			1992-97
			X		1966-68, 79-81, 92-97
02454515	Slab Creek at Boaz	X			1992
			X		1992
02454520	Slab Creek near Needmore	X			1992
			X		1992
02454535	Slab Creek below Horton	X			1992
			X		1992
				X	1979, 81, 92
02454550	Slab Creek near Nixon Chapel	X			1992, 94-97
			X		1980, 92, 94-97
				X	1980, 92
02454700	Locust Fork at Stracener Bridge near Clarence	X			1993-95
			X		1993-95
02454850	Whipporwill Creek near Wynnville	X			1992, 94
			X		1967-68, 92, 94
002454990	Graves Creek near Blountsville	X			1992
			X		1992
02454995	Graves Creek below Blountsville	X			1992, 94-97
			X		1992, 94-97
02455000	Locust Fork near Cleveland	X			1992-97
			X		1966-75, 79-81, 92-97
				X	1979-81

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02455040	Locust Fork at State Highway 160 near Cleveland	X			1993-95
02455185	Blackburn Fork near Holly Spring	X	X		1993-95
02455204	Blackburn Fork near Remlap	X	X		1998-99
			X		1998-99
			X		1992
				X	1979-80, 92
02455210	Walker Spring Creek near Allgood	X			1979-80
			X		1992, 94
02455220	Blackburn Fork near Hendrick Mill	X	X		1992, 94
			X		1993-97
02455240	Calvert Prong Creek above Oneonta	X	X		1993-97
			X		1992
02455243	Calvert Prong Creek below Oneonta	X	X		1992
			X		1992
02455247	Calvert Prong Creek below Jones Creek near Oneonta	X	X		1992
			X		1992
02455250	Calvert Prong Creek near Oneonta	X	X		1992
			X		1967-68, 92
02455265	Calvert Prong Creek at Gordons Dam near Cleveland	X	X		1995-97
			X		1995-97
02455270	Calvert Prong Creek near Locust Fork	X	X		1992, 94
			X		1967-68, 79-80, 92, 94
				X	1979-80, 92
02455280	Little Warrior River near Locust Fork	X	X		1992-97
			X		1967-68, 92-97
02455300	Locust Fork near Locust Fork	X	X		1992, 94
			X		1967-68, 80, 92, 94
				X	1980
02455325	Sugar Creek at State Highway 160 near Nectar	X			1993-95
			X		1993-95
02455360	Pannell Creek at State Highway 160 near Nectar	X	X		1993-95
			X		1993-95
02455380	Hallmark Creek near Locust Fork	X	X		1994-95
			X		1994-95
02455400	Locust Fork at Blalock Bridge near Wallstown	X	X		1993-95
			X		1993-95
02455402	Unnamed Creek above Hayden Landfill near Hayden	X	X		1994
			X		1994
02455404	Unnamed Creek below Hayden Landfill near Hayden	X	X		1994-95
			X		1994-95
02455410	Whites Creek above Little Shenandoah Community. near Adville	X	X		1994-95
02455412	Whites Creek below Little Shenandoah Community. near Adville	X	X		1994-95
			X		1993-95
02455425	Hayes Creek near Hayden	X	X		1993-95
			X		1994-95
02455450	Kelly Creek below proposed landfill near Trafford	X	X		1994-95
			X		1993-95
02455470	Longs Branch at State Highway 79 near Selfville	X	X		1993-95
			X		1994-97
02455475	Longs Branch at County Road near Trafford	X	X		1994-97
			X		1993-97
02455500	Locust Fork at Trafford	X	X		1993-97
			X		1992-97
				X	1967-68, 74, 79-80, 92-97
					1979-80
02455970	Penny Spring near Pinson		X		1977
02456000	Turkey Creek at Morris		X		1966-72, 74, 76, 79-80
				X	1976-77, 79-80
02456044	Spring tributary to Turkey Creek below Morris		X		1977
02456045	Tributary to Turkey Creek below Morris		X		1976-77
				X	1976-77
02456050	Turkey Creek above Kimberly		X		1976-77, 79-80
				X	1976, 79-80
02456053	Spring tributary to Turkey Creek near Kimberly		X		1977
02456055	Tributary to Turkey Creek near Kimberly		X		1976-77
				X	1976-77
02456300	Crooked Creek at headwaters at Mt. Olive	X			1996
			X		1996
02456303	Crooked Creek tributary at I-65 near Morris	X			1998-99
			X		1998-99

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02456305	Crooked Creek above Morris	X			1996-99
02456310	Crooked Creek near Mt. Olive	X	X		1996-99
			X		1996
				X	1976-77, 96
02456320	Tributary to Crooked Creek near Mt. Olive		X		1976-77
				X	1976
02456322	Crooked Creek below Mt. Olive		X		1976
				X	1976
02456327	Tributary to Crooked Creek near Morris		X		1976-77
02456330	Crooked Creek near Morris	X			1996-97
			X		1976-77, 79-80, 96-97
02456500	Locust Fork at Sayre		X		1976-77, 79-80
				X	1965-68, 70-83
02456997	Robinwood Spring near Robinwood		X		1979-81
02457000	Fivemile Creek at Ketona		X		1976
				X	1966-68, 74, 79-80
02457650	Fivemile Creek at Cardiff		X		1979-80
				X	1967-68, 78
02457700	Fivemile Creek near Linn Crossing		X		1978
				X	1966-67, 69-72, 79-80
02458000	Locust Fork at Palos		X		1979-80
				X	1973-74, 80
02458180	Tributary to unnamed tributary near Georgia Road at Birmingham	X			1980
			X		1992
				X	1992
02458203	Tributary to unnamed tributary at 10th Avenue and L&N Railroad at Birmingham	X			1992
			X		1992
				X	1992
02458375	Unnamed tributary to Village Creek at Dixie Hub Center at Birmingham	X			1992-93
			X		1992-93
				X	1992-93
02458450	Village Creek at Avenue W at Ensley		X		1980
				X	1980
02460500	Village Creek near Adamsville	X			1978
			X		1966-67, 72-73, 75, 77-83
				X	1979-81
02460505	Village Creek at Porter		X		1973-74
02460600	Locust Fork at Powhatan		X		1967-68
02460700	Short Creek at Short Creek		X		1965
02461120	Valley Creek at 5th Avenue and 7th Street at Birmingham	X			1992
			X		1992
				X	1992
02461122	Highway runoff into Valley Creek trib. at Birmingham	X			1993
			X		1993
				X	1993
02461450	Opossum Creek near Rutledge Springs		X		1975
02462000	Valley Creek near Oak Grove		X		1965-67, 72-83
				X	1979-81
02462025	Lost Creek near Pleasant Grove		X		1969
02462040	Rock Creek near Hopkins		X		1967, 78-81
				X	1978-80
02462050	Valley Creek at Toadvine Road near Oak Grove		X		1979-81
				X	1979-80
02462065	Mud Creek at Mud Creek		X		1980-81
				X	1980
02462070	Woods Creek near Bessemer		X		1980-81
				X	1980-81
02462080	Mud Creek near Oak Grove		X		1967-68, 78-81
				X	1978-81
02462255	Tributary to Walker County Shoal Creek near Tutwiler School		X		1978-79
				X	1978-79
02462257	Tributary to Walker County Shoal Creek near Tutwiler School		X		1978-79
				X	1978-79
02462470	Big Yellow Creek near Boley Springs		X		1980, 82
				X	1980
02462472	Big Yellow Creek near Sandtown		X		1982
02462480	Big Yellow Creek near Whitson		X		1967-68, 79-84
				X	1979-80, 82

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
0246248110	Trib to Little Yellow Creek Site G near Whitson		X		1983
0246248120	Trib to Little Yellow Creek Site F near Whitson		X		1983
0246248130	Trib to Little Yellow Creek Site E-2 near Whitson		X		1983
0246248140	Trib to Little Yellow Creek Site E-1 near Whitson		X		1983
0246248150	Trib to Little Yellow Creek Site D near Whitson		X		1983
0246248170	Trib to Little Yellow Creek Site C-2 near Whitson		X		1983
0246248180	Trib to Little Yellow Creek Site C-1 near Whitson		X		1983
0246248190	Trib to Little Yellow Creek Site B near Whitson		X		1983
0246248198	Trib to Little Yellow Creek Site A near Whitson		X		1983
02462482	Trib to Little Yellow Creek near Boley Springs		X		1980, 83-84
				X	1980, 83
02462483	Little Yellow Creek near Boley Springs		X		1980
				X	1980
02462485	Tributary to Little Yellow Creek near Sandtown		X		1980
				X	1980
02462486	Little Yellow Creek near Sandtown		X		1980, 82
				X	1980
02462487	Little Yellow Creek near Samantha		X		1982-84
				X	1982-83
02462489	Dry Creek near Sandtown		X		1982
02462490	Little Yellow Creek near Whitson		X		1977, 79-84
				X	1977, 79-80, 82-83
02462491	North Branch Fourmile Creek near Wiley		X		1982
02462492	South Branch Fourmile Creek near Wiley		X		1982
				X	1977, 79-80, 82-83
02462500	Black Warrior River at Bankhead Lock & Dam near Bessemer		X		1967-68, 80
				X	1980
02462501	Black Warrior River Below Bankhead Lock & Dam near Bessemer		X		1999
				X	1999
02462590	Blue Creek near Wiley		X		1982-84
				X	1983
02462592	Tributary to Blue Creek near Wiley		X		1983-84
02462596	Blue Creek above State Highway 69 near Oakman		X		1983
02462600	Blue Creek near Oakman	X			1977-81
			X		1966-68, 77-84
				X	1977-83
02462625	Blue Creek near Windham Springs		X		1977, 79-84
				X	1977, 79, 82
02462630	Moore Creek near Windham Springs		X		1982
02462650	Blue Creek near Spencer Hill		X		1975, 77, 79-82
				X	1977, 79-80, 82
02462685	Davis Creek at Abernant		X		1975, 79-81
				X	1979-81
02462800	Davis Creek below Abernant		X		1966-68, 71-72, 79-81
				X	1979-80
02462805	Hannah Mill Creek near Brookwood		X		1965
02462812	Hannah Mill Creek near Burchfield	X			1980-81
			X		1978-82
				X	1978-81
A02462828	Cane Creek near Searles		X		1979
				X	1979
02462830	Cane Creek near Burchfield		X		1978
				X	1978
02462840	Davis Creek near Antioch Church near Searles		X		1979-82
				X	1979-81
02462941	Tributary to Rocky Branch near Peterson		X		1977
				X	1977
02462951	Black Warrior River at Holt Lock & Dam near Holt		X		1980
				X	1980
02462970	Yellow Creek near Windham Springs		X		1977, 79
				X	1977, 79
02462973	Tributary to Yellow Creek near Windham Springs		X		1977, 79
				X	1977, 79
02462980	Yellow Creek above Northport	X			1977-79
			X		1977-79
				X	1977-82
02462985	Tributary to Yellow Creek near Northport	X			1977-79
			X		1977-81
				X	1977-79, 81

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02462990	Yellow Creek near Northport	X			1977-79
			X		1977-84
				X	1977-83
02462991	Tributary to Yellow Creek above Watermelon Road near Tuscaloosa	X			1977-81
			X		1977-81
02462992	Yellow Creek at Watermelon Road near Tuscaloosa		X	X	1977-81
				X	1977
02463090	Cypress Creek near Holt		X		1977, 79
				X	1977, 79
02463200	Hurricane Creek near Cedar Cove	X			1980-81
			X		1975, 78-82
				X	1978-81
02463500	Hurricane Creek near Holt		X		1965-68, 75, 78-80
				X	1978-80
02463510	Hurricane Creek near Peterson		X		1980-81
				X	1980-82
02463536	North River at Studdards Crossroads	X			1991
			X		1982, 91
02463540	North River near Philadelphia		X		1967-68, 82, 90-91
02463545	North River below Lowery Branch above Berry		X		1979
				X	1979
02463550	George Creek near Pea Ridge		X		1982
02463560	Beaver Creek near Hubbertville		X		1967-68, 82
02463580	Tributary to Cane Creek near Pea Ridge		X		1978-80, 82
				X	1978-80, 82
02463585	Cane Creek near Berry	X			1990-91
			X		1979-80, 82-84, 90-92
				X	1979-80, 82
02463587	North River near Bankston	X			1990-91
			X		1990-92
02463605	Ellis Creek near Cleveland		X		1978-79
				X	1978-79
02463610	Ellis Creek near Berry		X		1978
				X	1978
02463670	Clear Creek near Bankston		X		1967-68
02463700	North River near Berry	X			1990-91
			X		1967-68, 82, 90-92
02463780	Pine Branch near Berry		X		1982
02463790	Little Cedar Creek near Berry		X		1982
02463795	Cedar Creek near Boley Springs		X		1982
02463835	Tributary to Freeman Creek near New Lexington		X		1978-80
				X	1979-80
02463838	Boone Creek near New Lexington		X		1980
				X	1980
02463839	Tyro Creek near Berry		X		1982
02463840	Tyro Creek near Boley Springs		X		1977, 79-80, 82
				X	1977, 79-80
02463850	Tyro Creek near New Lexington		X		1968, 77, 79, 82-84
				X	1977, 79, 82
02463880	Tributary to Bear Creek near Samantha		X		1977, 79, 82-84
				X	1979, 82
02463890	Dry Branch near Samantha	X			1977-79
			X		1977-81
				X	1977-79, 81
02463900	Bear Creek near Samantha	X			1977-80
			X		1977-84
				X	1977-83
02464000	North River near Samantha	X			1975-76, 84-99
			X		1966-68, 71, 73-76, 79-99
				X	1975, 79-81, 83
02464015	Cripple Creek above Finley Branch near Samantha		X		1980
				X	1980
02464020	Johnson Branch near Utley		X		1977, 79, 82
				X	1977, 79, 82
02464025	Cripple Creek near Samantha	X			1992
			X		1977, 79-84, 92
				X	1977, 79-80, 82
02464032	Little Creek near Samantha		X		1980, 82-84
				X	1980, 83

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02464035	Cripple Creek east of Samantha	X	X		1977-81, 84-95 1977-84, 86-95
				X	1977-83
02464040	North River below Cripple Creek near Samantha		X		1982-83
02464075	Dry Creek near Windham Springs		X		1982
02464080	Tributary to Dry Creek near Windham Springs		X		1982
02464100	Dry Creek near Samantha	X			1985-88
			X		1982-88
				X	1983
02464110	Dry Creek near Northport		X		1982-83
02464143	Tributary to Turkey Creek near Samantha		X		1977
				X	1977
02464145	Turkey Creek near Tuscaloosa	X			1977-79
			X		1977-80
				X	1977-79
02464146	Turkey Creek near Tuscaloosa	X			1987-99
			X		1981-84, 87-99
				X	1981-84
02464149	Turkey Creek near Patterson Chapel	X			1984-93
			X		1982-93
				X	1983
0246414950	Turkey Creek near Lake Tuscaloosa near Tuscaloosa		X		1975
02464150	Turkey Creek near Samantha		X		1967-68
02464155	Lake Tuscaloosa at Hilltop Estates Landing near Northport	X			1975, 84-86
			X		1975, 83-86
				X	1975
02464300	Binion Creek near Moores Bridge		X		1979-81
				X	1979-80
02464313	Barbee Creek near New Lexington		X		1977, 79-81
				X	1977, 79-80
02464317	Barbee Creek near Samantha		X		1977, 79-83
				X	1977, 79-80, 83
02464360	Binion Creek below Gin Creek near Samantha	X			1984-99
			X		1975, 82-99
				X	1983
02464380	Binion Creek near Samantha		X		1967-68, 70
02464400	Lake Tuscaloosa at Tierce Patton Road near Northport	X			1984-85, 87-95
			X		1983-95
02464499	Lake Tuscaloosa above State Highway 69 near Tuscaloosa		X		1983
02464500	Lake Tuscaloosa at State Highway 69 near Tuscaloosa	X			1984-85, 87-95
			X		1965-68, 84-95
02464505	Tierce Creek near Northport	X			1975, 84-88
			X		1975, 83-88
				X	1983
02464640	Carroll Creek near Brownville		X		1979-80
				X	1979-80
02464660	Carroll Creek at State Highway 69 near Northport	X			1984-95
			X		1975, 83-95
				X	1983
02464670	Lake Tuscaloosa at Site C1 near Northport		X		1986
02464680	Brush Creek near Northport	X			1975, 85-88
			X		1975, 83-88
				X	1983
02464685	Lake Tuscaloosa at Site D1 near Northport		X		1986
02464800	Lake Tuscaloosa near Tuscaloosa	X			1984-99
			X		1979-81, 83-99
				X	1979-81
02464802	North River below Lake Tuscaloosa Dam near Tuscaloosa		X		1982
02465000	Black Warrior River at Northport		X		1965-83
				X	1979-81, 83-91, 93-95, 99
02465200	Lake Creek near Northport		X		1966-67
02465205	Jay Creek near Coker		X		1966-67
02465280	Black Warrior near Fosters		X		1967-68, 71
02465292	Cribb Mill Creek at Southern Railroad near Tuscaloosa		X		1969
02465375	Big Sandy Spring near Coaling		X		1969
02465400	Big Sandy Creek at Duncanville		X		1967-69
02465490	Big Sandy Creek near Moundville		X		1969
02465492	Grants Creek near Fosters		X		1967-68
02465493	Elliotts Creek at Moundville		X		1966-68, 82-83

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02465494	Elliotts Creek below Moundville		X		1966
02465495	Gabriel Creek near Moundville		X		1968
02465496	Whatley Creek near Moundville		X		1966
02465500	Fivemile Creek near Greensboro		X		1966-68, 71-72, 74
02465670	Minter Creek below Deadmans Branch near Eutaw		X		1967-68
02465900	Big Brush Creek near Greensboro		X		1967-68
02465944	Big Brush Creek above Dry Creek near Wedgeworth		X		1967-68
02465946	Dry Creek near Wedgeworth		X		1964
02465948	Dry Creek near Wedgeworth		X		1964
02465949	Dry Creek near Akron		X		1967-68
02465950	Big Brush Creek near Wedgeworth		X		1967-68
02466000	Black Warrior River near Eutaw		X		1967-68
02466031	Black Warrior River below Selden Dam near Eutaw	X			1978-93
			X		1978-93
				X	1979-88, 90-93
02466045	Black Warrior River below Warrior Lock & Dam near Sawyerville		X		1978
				X	1978
02466300	Pole Cat Creek near Newbern		X		1965
02466500	Big Prairie Creek near Gallion		X		1967-68
02466600	Little Prairie Creek near Newbern		X		1967-68
02466800	Big German Creek near Greensboro		X		1967-68
02467000	Tombigbee River at Demopolis Lock & Dam near Coatopa		X		1966-70
02467001	Tombigbee River below Demopolis Lock & Dam near Coatopa		X		1971-73, 75, 85, 89-90
				X	1971-73, 75-76, 85, 89-90
02467050	Tombigbee River near Coatopa		X		1966-68
02467480	Sucarnoochee River near Boyd		X		1967-68
02467500	Sucarnoochee River at Livingston		X		1967-68, 72-84
02468000	Alamuchee Creek near Cuba		X		1965-68
02468140	Toomsuba Creek at York		X		1967-68
02468200	Sucarnoochee River near Bellamy		X		1967-68
02468270	Cotohager Creek near Whitfield		X		1967-68
02468300	Double Creek near Jefferson		X		1967
02468470	Dry Creek near Thomaston		X		1967
02468490	Powell Creek near Linden		X		1967
02468500	Chickasaw Bogue near Linden		X		1966-69, 72-84
				X	1990-91
02469000	Kinterbish Creek near York		X		1965-68
02469100	Tombigbee River at Pennington		X		1967
02469300	Beaver Creek near Myrtlewood		X		1967
02469496	Bogvelichitto Creek near Lisman		X		1967, 69
02469500	Tuckabum Creek near Butler		X		1965-67, 73
02469520	Yantley Creek near Jachin		X		1967
02469525	Tombigbee River near Nanafalia		X		1971
				X	1990-95, 97-99
02469550	Horse Creek near Sweetwater		X		1965-66, 69, 73
02469565	Horse Creek near Putnam		X		1967
02469575	Wahalak Creek near Butler		X		1967
02469600	Bashi Creek near Campbell		X		1965-67, 69
02469610	Tombigbee River at Campbell		X		1967
02469675	Okatuppa Creek at Okatuppa		X		1967, 69
02469692	James Creek near Paragon		X		1970
02469694	Puss Cuss Creek near Gilbertown		X		1967-74
02469700	Okatuppa Creek at Gilbertown		X		1965-68
02469705	Okatuppa Creek at Moseleys Bridge near Gilbertown		X		1965-66
02469708	Mill Creek above Little Mill Creek near Gilbertown		X		1965-66
02469710	Little Mill Creek at Gilbertown		X		1970-74
02469711	Little Mill Creek at mouth near Gilbertown		X		1965-74
02469712	Mill Creek below Little Mill Creek near Gilbertown		X		1969
02469714	Okatuppa Creek below Mill Creek near Barrytown		X		1965-66, 69
02469722	Surveyors Creek near Womack Hill		X		1965-66, 70
02469724	Tributary to Surveyors Creek near Womack Hill		X		1965-66
02469727	Surveyors Creek near Barrytown		X		1965-74
02469730	Okatuppa Creek near Barrytown		X		1965-74
02469754	Turkey Creek near Bolinger		X		1967, 69
02469761	Tombigbee River at Jackson Lock & Dam near Coffeeville		X		1967, 69-70
02469762	Tombigbee River below Coffeeville Lock & Dam near Coffeeville	X			1971-73, 75-96
			X		1970-96, 99
				X	1970-96, 99
02469765	Tombigbee River near Coffeeville		X		1966

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02469767	Taylor Creek near Millry		X		1965
02469769	Dunbar Creek near Millry		X		1965
02469775	Santa Bogue Creek near Frankville		X		1967
02469790	Satilpa Creek near Clarksville		X		1967
02469800	Satilpa Creek near Coffeerville	X			1978
			X		1965-67, 69, 71-73, 77-83
02470035	Jackson Creek near Satilpa		X		1967, 70
02470040	Tombigbee River near Jackson	X			1970-74
			X		1966-74
				X	1969, 89-95, 97-99
02470075	East Bassett Creek near Dickinson		X		1967
02470100	East Bassett Creek at Walker Springs		X		1965-67, 69
02470200	West Bassett Creek near Chatom		X		1967, 69
02470202	West Bassett Creek near Wagarville		X		1965
02470205	Bassett Creek at Bassetts Creek		X		1967
02470240	Tombigbee River near Carlton		X		1971
02470270	Lewis Creek near McIntosh		X		1967, 69
02470280	Tombigbee River near McIntosh		X		1967
02470340	Bates Creek near Malcolm		X		1967
02470370	Bilbo Creek near McIntosh		X		1967, 69
02470500	Mobile River at Mount Vernon		X		1967
				X	1987
02470520	Cedar Creek below Branch near Citronelle		X		1968-74
02470530	Cedar Creek at County Road 36 near Citronelle		X		1964, 67
02470560	Little Creek at Citronelle		X		1971-74
02470605	Cedar Creek above Cedar Creek Falls		X		1967
02470607	Bull Branch Creek near Citronelle		X		1967-70
02470610	Cedar Creek at Cedar Creek Falls		X		1964, 67-72
02470615	Cedar Creek at Mount Vernon		X		1967
02470629	Mobile River at city intakes at Bucks	X			1991
			X		1991
				X	1991
02470649	Cold Creek Reservoir near Bucks		X		1971
02470700	Mobile River at L & N Railroad Bridge near Hurricane		X		1980
02470800	Bayou Sara near Saraland		X		1967, 73
02470910	Chickasaw Bogue at county road near Gulfcrest		X		1964, 67-74
02470925	Chickasaw Creek at Chunchula		X		1967
02471000	Chickasaw Creek near Whistler		X		1964-67
02471001	Chickasaw Creek near Kushla		X		1969, 71-80, 82-83
02471002	Seabury Creek near Lott		X		1969
02471004	Red Creek near Semmes		X		1969
02471005	Clear Creek at US Highway 98 at Mobile		X		1969
0247100550	Eightmile Creek at Mobile	X			1993-99
			X		1993-99
				X	1995
02471006	Eightmile Creek near Eightmile		X		1967
02471010	Mobile River at US Highway 90 near Prichard		X		1967, 79-80
02471018	Mobile River at Bankhead Tunnel near Mobile		X		1971
02471019	Tensaw River below Mount Vernon			X	1987
02471025	Halls Creek at State Highway 59 near Latham	X			1994
			X		1994
02471028	Rains Creek near Stockton		X		1969
0247102810	Rains Creek at State Highway 59 near Stockton	X			1994
			X		1994
02471029	Dennis Creek at State Highway 225 near Stockton		X		1969
02471030	Martin Branch at State Highway 225 near Stockton	X			1994
			X		1967, 94
02471031	Red Hill Creek at State Highway 225 below Stockton		X		1969
02471032	Tensaw River at L&N Railroad Bridge near Hurricane		X		1980
02471034	Tensaw River at US Highway 90 Causeway near Mobile		X		1979-80
				X	1987
02471035	Bay Minette Creek at County Road 39 near Stapleton	X			1993-96
			X		1967, 93-96
				X	1994
02471036	Whitehouse Creek near Bromley		X		1967
02471039	Blakeley River at U.S. Highway 90 Causeway near Mobile		X		1979-80
				X	1987
02471040	Apalachee River at U.S. Highway 90 Causeway near Mobile		X		1979-80
				X	1979, 87
02471045	Montlimar Creek at Airport Boulevard at Mobile		X		1965
02471065	Montlimar Creek at U.S. Highway 90 at Mobile		X		1965-67

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02471067	Highway runoff into Moores Creek trib. at I-10 at Mobile	X			1993, 95
			X		1993, 95
				X	1993
02471075	Halls Mill Creek near Theodore		X		1967
02471078	Fowl River at Half-Mile Road near Laurendine		X		1967
				X	1995
02479418	Escatawpa River at Escatawpa		X		1967
02479425	Escatawpa River at Deer Park		X		1967
02479438	Beaver Pond Branch near Citronelle		X		1969-74
02479439	Beaver Pond Branch trib near Citronelle		X		1967-74
02479447	Beaver Pond Branch at mouth near Citronelle		X		1964, 67-74
02479450	Escatawpa River at County Road 96 near Citronelle		X		1965, 67
02479465	Puppy Creek at Citronelle		X		1970-74
02479466	Puppy Creek on Russell Road near Citronelle		X		1970-74
02479467	Tributary to Puppy Creek near Citronelle		X		1971-74
02479468	Puppy Creek at county bridge near Citronelle		X		1964, 66-74
02479500	Escatawpa River near Wilmer		X		1964-67, 69, 71-74
02479560	Escatawpa River near Agricola, MS	X			1979-93
			X		1974-93
				X	1979-93
02479583	Flat Creek near Wilmer		X		1969
02479935	Big Creek near Bootheville	X			1999
			X		1999
02479940	Big Creek at Mason Ferry Road near Georgetown	X			1999
			X		1999
02479944	Jackson Branch at Howard Morris Road near Wilmer	X			1999
			X		1999
02479945	Big Creek at County Road 63 near Wilmer	X			1991-99
			X		1991-99
				X	1992-95
0247994650	Juniper Creek at Jack Williams Road near Georgetown	X			1999
			X		1999
02479947	Juniper Creek at Coleman Dairy Road near Wilmer	X			1999
			X		1999
02479948	Juniper Creek at Glenwood Road near Fairview	X			1991-99
			X		1991-99
				X	1992-94
02479950	Collins Creek at Glenwood Road near Fairview	X			1991-99
			X		1969, 91-99
				X	1992-95
02479955	Long Branch near Wilmer	X			1991, 94-99
			X		1991, 94-99
				X	1994-95
02479957	Big Creek Lake at US 98 near Wilmer		X		1991-92
				X	1991-92
02479958	Unnamed tributary to Big Creek Lake below U.S. 98 near Fairview	X			1992
			X		1992
02479960	Boggy Branch at County Road 5 near Wilmer	X			1991, 94-99
			X		1991, 94-99
				X	1994-95
02479965	Big Creek Lake below Mill Branch near Wilmer		X		1991-92
				X	1991-92
02479975	Crooked Creek at Wulff Road near Semmes	X			1999
			X		1999
02479980	Crooked Creek near Fairview	X			1991-99
			X		1991-99
				X	1992-95
02479985	Crooked Creek at mouth near Wilmer	X			1991-92, 96-99
			X		1991-92, 96-99
				X	1991-92
0248000050	Unnamed tributary to Hamilton Creek at Firetower Road near Semmes	X			1999
			X		1999
02480001	Hamilton Creek below Semmes	X			1999
			X		1999
02480002	Hamilton Creek at Snow Road near Semmes	X			1991-99
			X		1991-99
				X	1992-95
02480004	Hamilton Creek (Big Creek Lake Intake) near Semmes	X			1991-92, 96-99
			X		1991-92, 96-99
				X	1992
02480005	Hamilton Creek near Semmes		X		1969
02480008	Big Creek Reservoir at Pump Station near Semmes		X		1971
02480015	Pierce Creek near Seven Hills		X		1969

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
02480020	Big Creek near Seven Hills		X		1967
02480037	Miller Creek near Dees		X		1967
02480150	Franklin Creek near Grand Bay		X		1967
03568790	Dixie Brown Spring near Valley Head		X		1971
03571850	Tennessee River at South Pittsburg, TN	X			1982-86
			X		1982-86
				X	1982-86
03572110	Crow Creek at Bass	X			1978
			X		1977-83
03572200	Flat Rock Creek near Ider		X		1977
03572210	Flat Rock Creek at Flat Rock		X		1979-81
				X	1979-80
03572230	Dry Creek near Fabius		X		1979-81
				X	1979-80
03572300	Mud Creek near Scottsboro		X		1965
03572400	Bryant Creek near Pisagah		X		1965, 79-80
				X	1979-80
03572500	Tennessee River near Scottsboro		X		1965
03572700	South Sauty Creek near Macedonia		X		1965, 79-80
				X	1979-80
03572870	Town Creek at Guest		X		1971-72
03572900	Town Creek near Geraldine	X			1978
			X		1965-68, 70-72, 75, 77-83
03572905	Town Creek at Elrod Bridge		X		1971-72
03572990	Short Creek near Myrtle tree Church		X		1965
03573000	Short Creek near Albertville		X		1966-68
03573180	Scarham Creek near Painter		X		1967
03573182	Scarham Creek near McVile	X			1999
			X		1999
				X	1999
03573430	Big Spring Creek near Brooksville		X		1968
03574230	Paint Rock near Princeton		X		1969
03574309	Blue Spring at Guess Creek Church near Princeton	X			1990-91
			X		1990-91
03574500	Paint Rock River near Woodville		X		1965-66, 68-69, 73, 77-83
03574560	Paint Rock River at Butler Mill near Woodville		X		1973, 75-78
03574570	Bethel Spring near Woodville		X		1973
03574580	Tremble Creek near New Hope		X		1973
03574600	Paint Rock River near New Hope		X		1973, 75-82
03574630	New Hope Spring at New Hope		X		1973
03574673	Little Paint Rock Creek at Hebron		X		1973
03574680	Tennessee River near Morgan City		X		1971
03574709	Flint River above Stewart Branch near Fisk		X		1973, 75-78
03574710	Stewart Branch near Hazel Green		X		1973
03574715	State Rock Branch near Hazel Green		X		1973
03574740	Flint River near Fisk		X		1973
03574743	Walker Creek near Hazel Green		X		1973
03574747	Fowler Creek near Hazel Green		X		1973
03574750	West Fork Flint River near Hazel Green	X			1999
			X		1973, 99
				X	1999
03574755	Pigum Branch near Hazel Green		X		1973
03574770	Flint River near New Market		X		1973
03574787	Watercress Spring near New Market		X		1973-77
03574790	Mountain Fork at Old Mountain Fork Road near New Market		X		1973
03574794	Mountain Fork above Hester Creek at New Market	X			1999
			X		1973, 99
03574795	Hester Creek above Plevna		X		1973, 75-78
0357479650	Hester Creek near Plevna	X			1999
			X		1999
				X	1999
03574799	Hester Creek near New Market		X		1965, 73
03574800	Mountain Fork below Hester Creek near New Market		X		1965
03574802	Mountain Fork near New Market		X		1973-78
03574804	Brier Fork Flint River above Huckleberry Branch near Hazel Green		X		1973
03574815	Brier Fork Flint River near Hazel Green		X		1973
03574817	Copeland Creek at Elkwood Section Road near Hazel Green		X		1973
03574818	Steger Spring near Hazel Green		X		1973

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
03574820	Copeland Creek near Hazel Green		X		1973
03574823	Brier Fork near Hazel Green	X	X		1999
				X	1999
03574825	Brier Fork Flint River at US Highway 231 near Meridianville		X		1999
					1973
03574835	Brier Fork Flint River above Beaverdam Creek near Meridianville		X		1973, 75-78
03574843	Turner Spring near Toney		X		1973
03574855	Beaverdam Creek at Pulaski Pike near Meridianville		X		1973
03574870	Beaverdam Creek near Meridianville	X	X		1999
				X	1973, 75,99
					1999
03574970	Brier Fork Flint River near Meridianville		X		1965, 73
03574998	Brier Fork Flint River near Chase		X		1973
03575000	Flint River near Chase		X		1965-66, 68-69, 71-78, 80-83
03575015	Boiling Spring near Maysville		X		1973, 75-77
0357502100	Cold Spring (1-T) near Huntsville	X			1998
			X		1998
03575020	Flint River near Cedar Gap		X		1971
03575024	Acuff Spring near Chase		X		1977
03575028	Chase Creek near Chase		X		1973
03575040	Flint River near Mount Carmel	X			1978
			X		1971-73, 75-83
03575100	Flint River at Brownsboro	X			1999
			X		1973,99
				X	1999
03575110	Dug Hill Spring near Brownsboro		X		1973
03575120	Flint River west of Gurley		X		1973, 75-78
03575140	Hurricane Creek near New Market		X		1973, 75
03575150	Hurricane Creek above Molder Branch near Maysville		X		1973
03575154	Murphy Spring near Maysville		X		1973
03575157	Hurricane Creek near Maysville		X		1973
03575175	Beason Spring near Gurley		X		1973
03575200	Hurricane Creek near Gurley		X		1965, 73
03575210	Hurricane Creek west of Gurley		X		1973
03575250	Flint River near Gurley		X		1970, 73
03575252	Esslinger Spring near Owens Cross Roads		X		1973
0357526040	Big Cove Creek at CCC Cistern (13-M) at Huntsville	X			1998
			X		1998
0357526060	Big Cove Creek (15-L) above Dug Hill Road near Huntsville	X			1998
			X		1998
0357526120	Unnamed Tributary (7-T) to Big Cove Creek at Huntsville	X			1998
			X		1998
0357526130	Unnamed Tributary (8-T) to Big Cove Creek at Huntsville	X			1998
			X		1998
0357526155	Blue Spring (10-M) at Monte Sano Park at Huntsville	X			1998
			X		1998
0357526190	Blue Spring (14-L) near Dug Hill Road near Huntsville	X			1998
			X		1998
0357526300	Unnamed Tributary (16-L) to Big Cove Creek near Huntsville	X			1998
			X		1998
03575280	Flint River near Big Cove		X		1973
0357529500	Unnamed Tributary (18-M) to Flint River near Huntsville	X			1998
			X		1998
03575330	Flint River at Owens Cross Roads		X		1973
03575400	Flint River near Owens Cross Roads		X		1973-78
03575450	Tennessee River near Hobbs Island		X		1971
03575480	Tennessee River at Huntsville Pump Station near Huntsville		X		1971-79
03575500	Tennessee River at Whitesburg		X		1968, 71, 74, 82-83
0357568810	Unnamed Tributary (17-T) to Martin Hollow at Huntsville	X			1998
			X		1998
03575692	Esslinger Spring at Huntsville		X		1973
03575696	Aldridge Creek near Lily Flagg		X		1971-75
03575730	Aldridge Creek at Farley		X		1973
03575734	Aldridge Creek near Whitesburg		X		1971, 73
03575736	Tennessee River at Farley		X		1971
03575760	Kelly Spring near Harvest		X		1973-74, 76-77
03575780	Indian Creek near Monrovia		X		1973

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
03575788	Dupree Branch near Harvest		X		1973
03575808	Dry Creek near Madison		X		1973
03575810	Indian Creek at US Highway 72 near Huntsville		X		1973
03575830	Indian Creek near Madison	X			1999
			X		1973,82-83, 99
				X	1999
03575850	Indian Creek near Huntsville		X		1973
03575851	Indian Creek downstream from Martin Road near Huntsville		X		1973
0357586160	Fagan Creek (2-M) at Bluff Line Trail at Huntsville	X			1998
			X		1998
0357586170	Fagan Springs (3-L) at Huntsville	X			1998
			X		1998
0357586172	Unnamed Tributary (9-T) to Fagan Branch at Huntsville	X			1998
			X		1998
0357586173	Unnamed Tributary (6-T) to Fagan Creek at Huntsville	X			1998
			X		1998
0357586175	Unnamed Tributary (5-M) to Fagan Creek at Huntsville	X			1998
			X		1998
0357586180	Fagan Creek (4-L) near Owens Drive at Huntsville	X			1998
			X		1998
0357586550	Unnamed Tributary (11-M) to Fagan Creek at Huntsville	X			1998
			X		1998
0357586560	Unnamed Tributary (12-L) to Fagan Creek at Huntsville	X			1998
			X		1998
03575868	Dallas Branch at Huntsville		X		1973
03575888	Pinhook Creek at Holmes Avenue at Huntsville		X		1973
03575932	Highway runoff into Broglan Branch at I-565 at Huntsville	X			1993
			X		1993
				X	1993
03575935	Broglan Branch at Huntsville		X		1973
03575950	Huntsville Spring Branch (Johnson Road) near Huntsville		X		1971-74, 76-78
03575953	Tributary to Huntsville Spring Branch at Huntsville Landfill at Huntsville		X		1973
03575955	Huntsville Spring Branch (above Sewage Plant) near Huntsville		X		1972-74, 77-78
03575960	Huntsville Spring Branch at Martin Road near Huntsville		X		1972-80, 82-83
03575963	Byrd Spring at Huntsville		X		1976-77
03575980	McDonald Creek at Patton Road near Huntsville		X		1973
03575994	McDonald Creek at Martin Road at Huntsville		X		1973
03576000	Huntsville Spring Branch at Patton Road near Huntsville		X		1973, 75-78
03576020	Huntsville Spring Branch (Dodd Road) near Huntsville		X		1973, 75-78
03576062	Betts Spring near Madison		X		1973
03576070	Mill Creek at Madison		X		1973
03576082	Bradford Creek at James Record Road near Madison		X		1973
03576090	Betts Spring Branch near Madison		X		1973
03576100	Miller Branch near Triana		X		1965, 68, 71, 73
03576103	Indian Creek downstream from Martin Road near Huntsville		X		1971
03576105	Huntsville Spring at Huntsville		X		1968
03576108	Huntsville Spring Branch at Martin Road near Huntsville		X		1971
03576110	Barren Fork Creek near Triana		X		1971, 73, 75-78
03576120	Tennessee River near Triana		X		1974
03576148	Cotaco Creek at Florette	X			1978
			X		1966, 68-69, 71-74, 77-83
				X	1979-80
03576150	Cotaco Creek near Florette		X		1965-66
03576201	Limestone Creek near Bobo		X		1973
03576206	Limestone Creek at Toney		X		1973
03576207	Limestone Creek near Toney	X			1999
			X		1999
				X	1999
03576208	Limestone Creek below Toney		X		1973
03576220	Tyrone Creek near Bethel		X		1973
03576225	Little Limestone Creek below Tyrone Creek near Toney		X		1973
03576226	Little Limestone Creek near Toney	X			1999
			X		1999
				X	1999

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
03576229	Limestone Creek at Madison-Limestone County line near Toney		X		1973
03576235	Leslie Branch near Harvest		X		1973
03576245	Copperrun Branch at Capshaw		X		1973
03576247	Knox Creek at Capshaw		X		1973
03576250	Limestone Creek near Athens		X		1968-69
03576350	Piney Creek near Reunion		X		1968
03576390	Piney Creek at Athens		X		1967-68
03576400	Piney Creek above Athens		X		1965, 67-69
03576405	Piney Creek near Athens	X			1999
			X		1999
				X	1999
03576500	Flint Creek near Falkville	X			1978
			X		1965, 68, 71, 77-81
				X	1979-81
03576800	Blowing Springs Branch near Wren		X		1965
03576810	Elam Creek near Wren		X		1965, 68
03577000	West Flint Creek near Oakville	X			1995
			X		1965, 68, 95
03577194	Swan Creek near Piney Chapel		X		1967-68
03577196	Swan Creek at Athens		X		1970
03577200	Swan Creek near Athens		X		1965
03577202	Swan Creek at U.S. Highway 72 near Athens		X		1967-68, 70-72
03577220	Town Creek near Athens		X		1967-68
03577280	Swan Creek near Tanner Crossroad	X			1999
			X		1999
				X	1999
03577490	Round Island Creek near Lawson	X			1999
			X		1999
				X	1999
03584545	Ragsdale Creek near Pettusville		X		1967-68
03585225	Sulphur Creek near Elkmont		X		1967-68
03585230	Elk River near Gipse		X		1965
03585300	Sugar Creek near Good Springs		X		1965, 68-69
03585305	Ridgeway Mill Spring at Good Springs		X		1971-72
03585400	Anderson Creek at Anderson		X		1965
03585800	Second Creek near Lexington		X		1965
03586000	Wheeler Lake at Wheeler Dam near Decatur		X		1971
03586200	Crow Branch near Moulton		X		1965
03586210	Muddy Fork near Moulton	X			1995
			X		1995
03586240	Muddy Fork at State Highway 157 near Moulton	X			1995, 99
			X		1995, 99
				X	1999
03586350	Turkey Creek near Moulton		X		1965
03586400	Clear Fork below Masterson Mill	X			1999
			X		1999
				X	1999
03586500	Big Nance Creek at Courtland		X		1965-69, 71-72, 80-83
03587378	Mud Creek near Old Bethel	X			1999
			X		1999
				X	1999
03587380	Town Creek near Old Bethel		X		1965
03587390	Town Creek near Town Creek		X		1965, 70-71
03589000	Wilson Lake near Florence		X		1970-71
03589257	Tributary to Pond Creek at Muscle Shoals		X		1971
03589500	Tennessee River at Florence		X		1965-66, 68, 72-80, 82-83
03590000	Cypress Creek at Florence		X		1965
03590300	Spring Valley Creek at Spring Valley		X		1965
03590450	Spring Creek near Tuscumbia	X			1999
			X		1999
				X	1999
03590500	Tuscumbia Spring at Tuscumbia		X		1965, 68, 70, 74, 82-83
03590550	Little Bear Creek near Tuscumbia	X			1999
			X		1999
				X	1999
03590646	Sinking Creek below Woodland	X			1999
			X		1999
				X	1999
03590680	Tennessee River at Smithsonia		X		1971

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record			Period of record
		Biol	Chem	Sedi	
03591800	Bear Creek near Hackleburg	X	X		1978 1965-69, 77-83
				X	1979-80
03591825	Bear Creek at Military Bridge near Hackleburg	X			1979-81
			X		1979-81
03591899	Bear Creek Lake near Atwood		X		1971-72
03592000	Bear Creek near Red Bay		X		1965-66, 68-69, 71-73, 75
03592101	Bear Creek at Mingo		X		1972
03592150	Dunkin Creek near Russellville		X		1965
03592200	Cedar Creek near Pleasant Site	X			1978
			X		1965, 68, 73, 75, 77-83
03592300	Little Bear Creek near Halltown		X		1965, 68-69
03592500	Bear Creek at Bishop		X		1965-66, 68-69, 72-74
03592600	Buzzard Roost Creek near Cherokee		X		1965
03592605	Browns Creek near Cherokee		X		1965

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
<i>Length</i>		
inch (in.)	2.54×10^1	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^0	kilometer
<i>Area</i>		
acre	4.047×10^3	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi ²)	2.590×10^0	square kilometer
<i>Volume</i>		
gallon (gal)	3.785×10^0	liter
	3.785×10^0	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^3	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft ³)	2.832×10^1	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^3	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
<i>Flow</i>		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second
	2.832×10^1	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^1	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
<i>Mass</i>		
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report “sea level” refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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