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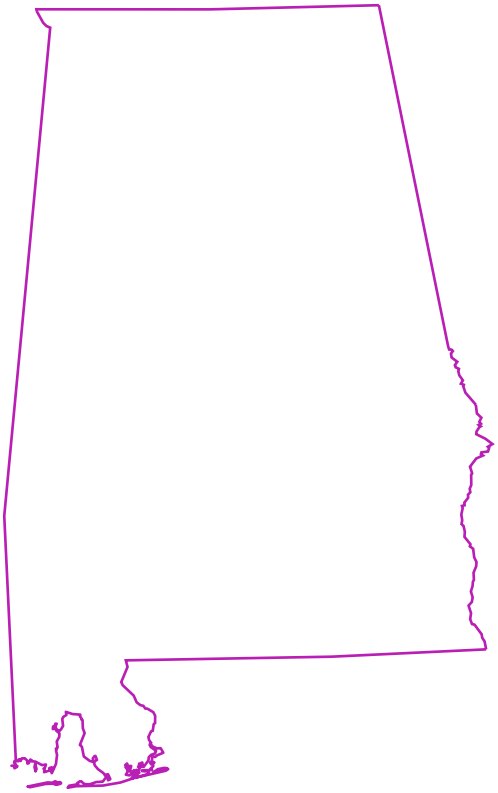
Water Resources Data
Alabama
Water Year 2004

Water-Data Report AL-04-1



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 2004

2003

October

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
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26	27	28	29	30	31	

November

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2004

January

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February

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March

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28	29	30	31			

April

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May

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30	31					

June

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27	28	29	30			

July

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18	19	20	21	22	23	24
25	26	27	28	29	30	31

August

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29	30	31				

September

S	M	T	W	T	F	S
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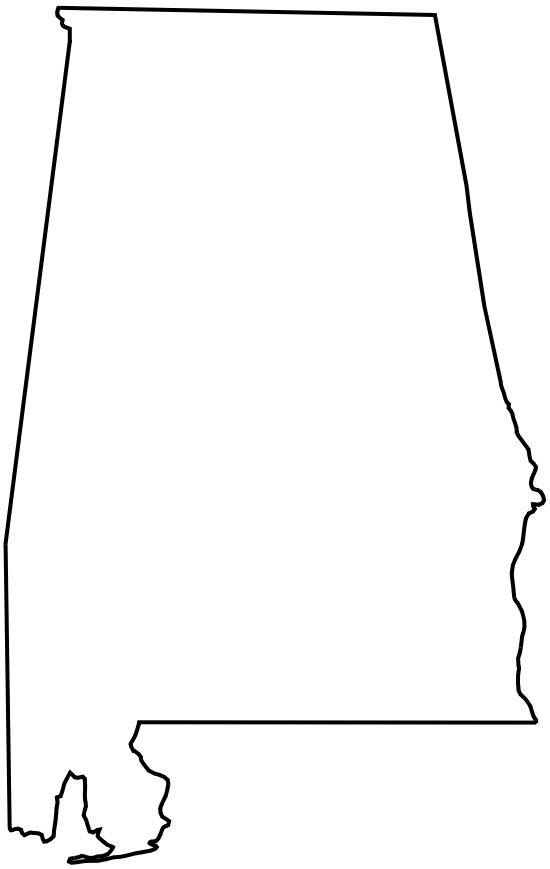
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Water Resources Data
Alabama
Water Year 2004

By W.L. Psinakis, D.S. Lambeth, V.E. Stricklin, and M.W. Treece

Water-Data Report AL-04-1



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Charles G. Groat, Director

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U.S. Geological Survey
AUM TechnaCenter
75 TechnaCenter Drive
Montgomery, Alabama 36117-6035
(334) 395-4120

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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:

J.B. Atkins	W.A. Hard	W.S. Mooty
D.L. Berlin	T.S. Hedgecock	R.S. Moreland
R.N. Brendlinger III	B.F. Johnston	M.S. Nolte
J.R. Burroughs	W.K. Kelly	J. Redmond
J.K. Crosby	R.E. Kidd	J.L. Robinson
R.L. Fondren	K.G. Lee	T.J. Sansing
A.C. Gill	A.K. McPherson	M.T. Wells

This report was prepared in cooperation with the State of Alabama and with other agencies under the general supervision of Athena P. Clark, Director, and Jess D. Weaver, Regional Hydrologist, Southeastern Region.

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W.L. Psinakis, D.S. Lambeth, V.E. Stricklin, and M.W. Treece

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U.S. Geological Survey, Water Science Center
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13. ABSTRACT *(Maximum 200 words)*

Water resources data for the 2004 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 131 streamflow-gaging stations, for 19 partial-record or miscellaneous streamflow stations; (2) stage and content records for 16 lakes and reservoirs and stage at 44 stations; (3) water-quality records for 21 streamflow-gaging stations, for 11 ungaged streamsites, and for 1 precipitation stations; (4) water temperature at 20 surface-water stations; (5) specific conductance and dissolved oxygen at 20 stations; (6) turbidity at 5 stations; (7) sediment data at 6 stations; (8) water-level records for 2 recording observation wells; and (9) water-quality records for 6 ground-water stations. Also included are lists of active and discontinued 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.

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CONTENTS

Page
Preface ... iii
List of surface-water stations, in downstream order, for which records are published in this volume ... vii
List of ground-water wells, by county, for which records are published in this volume ... ix
List of precipitation-quality stations, by county, for which records are published in this volume ... ix
Introduction ... 1
Cooperation ... 2
Summary of hydrologic conditions ... 3
Downstream order and station numbers ... 8
Numbering system for wells and miscellaneous sites ... 8
Special networks and programs ... 8
Explanation of stage- and water-discharge records ... 9
Data collection and computation ... 9
Data presentation ... 10
Station manuscript ... 11
Peak discharge greater than base discharge ... 12
Data table of daily mean values ... 12
Summary statistics ... 12
Identifying estimated daily discharge ... 14
Accuracy of field data and computed results ... 14
Other data available ... 14
Explanation of water-quality records ... 14
Collection and examination of data ... 14
Water analysis ... 15
Surface-water quality records ... 15
Classification of records ... 15
Accuracy of the records ... 16
On-site measurement and sample collection ... 16
Water temperature ... 16
Sediment ... 17
Laboratory measurements ... 17
Data presentation ... 17
Remark codes ... 18
Water-quality control data ... 18
Blank samples ... 19
Reference samples ... 19
Replicate samples ... 19
Spike samples ... 20
Explanation of ground-water level records ... 20
Site identification numbers ... 20
Data collection and computation ... 20
Data presentation ... 20
Water-level tables ... 21
Ground-water-quality data ... 22
Data collection and computation ... 22
Laboratory measurements ... 22
Precipitation-quality records ... 22
On-site measurement and sample collection ... 22
Data presentation ... 23
Access to USGS water data ... 23
Definition of terms ... 24
Publications on techniques of water-resources investigations ... 41
Station records, surface water ... 69
Discharge at partial-record and miscellaneous sites ... 483
Flood hydrograph partial-record stations ... 483
Crest-stage partial-record stations ... 499
Discharge measurements at partial record and miscellaneous sites ... 500
Analyses of samples collected at water-quality partial-record stations ... 501
Analyses of samples collected at miscellaneous stations ... 529
Station records, ground-water ... 545
Ground-water levels ... 545
Ground-water quality data collected during short-term studies ... 547
Analysis of samples collected at precipitation stations ... 557
Index ... 595

ILLUSTRATIONS

Page

Figure 1. Comparison of discharge for water year 2004 to the base period 1971-00 at two long-term representative gaging stations 6
2. Comparison of monthly low water levels for water year 2004 to the highest and lowest monthly low water levels for the period of record for an observation well 7
3. System for numbering wells and miscellaneous sites (latitude and longitude) 8
4. Map showing location of surface-water stations in Apalachicola, Choctawhatchee, Yellow, and Blackwater River basins 50
5. Map showing location of surface-water stations in Escambia, Perdido, and Fish River basins 51
6. Map showing location of surface-water stations in Coosa River basin 52
7. Map showing location of surface-water stations in Tallapoosa River basin 53
8. Map showing location of surface-water stations in Alabama River basin 54
9. Map showing location of surface-water stations in Cahaba River basin 55
10. Map showing location of surface-water stations in Upper Tombigbee River basin 56
11. Map showing location of surface-water stations in Mulberry Fork River basin 57
12. Map showing location of surface-water stations in Locust Fork River basin 58
13. Map showing location of surface-water stations in Black Warrior River basin 59
14. Map showing location of surface-water stations in Lower Tombigbee River basin 60
15. Map showing location of surface-water stations in Mobile River basin 61
16. Map showing location of surface-water stations in Escatawpa River basin 62
17. Map showing location of surface-water stations in Upper Tennessee River basin 63
18. Map showing location of surface-water stations in Middle Tennessee River basin 64
19. Map showing location of surface-water stations in Lower Tennessee River basin 65
20. Map showing location of observation wells 66
21. Map showing location of water-quality precipitation site 67

TABLES

Table 1. Monthly mean discharges in 2004 expressed as a percentage of the long-term monthly mean 3
2. Mean, maximum, and minimum streamflow and recurrence intervals at selected stations 5
3. Sites in Alabama by basin and figure number 46

LISTS

List of active and discontinued continuous-record surface-water discharge stations 558
List of active and discontinued continuous-record surface-water stage stations 565
List of active and discontinued continuous-record surface-water-quality stations 566
List of active and discontinued partial-record and miscellaneous surface-water-quality stations 568

[Letter after station name designates type of data: (d) discharge, (c) chemical, (t) water temperature, (s) sediment, (g) gage height, (e) elevation, (k) specific conductance, (o) dissolved oxygen, (u) turbidity]

	Station number	Page
EASTERN GULF OF MEXICO BASINS		
APALACHICOLA RIVER BASIN		
Chattahoochee River (head of Apalachicola River) at West Point, Ga. (dg)	02339500	69
Chattahoochee River at GA 280 near Columbus, Ga. (dg)	02341505	71
Uchee Creek near Fort Mitchell (d)	02342500	73
South Fork Cowikee Creek near Batesville (d)	02342933	75
Chattahoochee River at Coast Guard Dock at Eufaula (e)	0234296910	77
Chattahoochee River near Columbia (d)	02343801	78
Lakes and Reservoirs in Apalachicola River basin in Alabama		79
CHOCTAWHATCHEE RIVER BASIN		
Choctawhatchee River near Newton (dg)	02361000	81
Choctawhatchee River near Bellwood (dg)	02361500	84
Choctawhatchee River near Geneva (g)	02362000	87
Double Bridges Creek:		
Little Double Bridges Creek near Enterprise (d)	02362240	88
Pea River at Ariton (d)	02363000	90
Pea River at Elba (g)	02364000	92
Pea River near Samson (d)	02364500	93
BLACKWATER RIVER BASIN		
Blackwater River near Bradley (d)	02369800	95
ESCAMBIA RIVER BASIN		
Conecuh River (head of Escambia River) at Brantley (d)	02371500	97
Patsaliga Creek near Brantley (d)	02372250	99
Conecuh River below Point "A" Dam at River Falls (dg)	02372422	101
Conecuh River at River Falls (g)	02372430	104
Sepulga River near McKenzie (d)	02373000	105
Conecuh River at State Highway 41 near Brewton (dg)	02374250	107
Murder Creek near Evergreen (d)	02374500	110
Murder Creek at Brewton (dg)	02374700	112
Burnt Corn Creek at State Highway 41 near Brewton (dg)	02374745	115
Big Escambia Creek at Sardine Bridge, near Stanley Crossroads (d)	02374950	118
Escambia River near Century, Fla (d)	02375500	120
PERDIDO RIVER BASIN		
Perdido River at Barrineau Park, Fla. (d)	02376500	122
Styx River near Elsanor (d)	02377570	124
FISH RIVER BASIN		
Magnolia River at U.S. Highway 98 near Foley (d)	02378300	126
Fish River near Silver Hill (d)	02378500	128
MOBILE RIVER BASIN		
Coosa River (head of Alabama River) (Mobile River main stem)		
Chattooga River above Gaylesville (d)	02398300	130
West Fork Little River at Desoto State Park near Fort Payne (d)	02398950	132
Little River near Blue Pond (d)	02399200	134
Coosa River at Leesburg (e)	02399500	136
Terrapin Creek at Ellisville (d)	02400100	137
Coosa River at Gadsden Steamplant near Gadsden (g)	02400496	139
Coosa River at Gadsden (g)	02400500	140
Big Wills Creek at State Highway 35 near Fort Payne (d)	02400680	141
Big Wills Creek near Reece City (d)	02401000	143
Big Canoe Creek at Ashville (d)	02401390	145
Choccolocco Creek near Boiling Spring (d)	02403310	147
Choccolocco Creek at Jackson Shoals near Lincoln (d)	02404400	149
Kelly Creek near Vincent (d)	02405500	151
Talladega Creek at Alpine (d)	02406500	153
Coosa River at Childersburg (g)	02407000	155
Coosa River at Gaston Steamplant near Wilsonville (g)	02407526	156
Hatchet Creek below Rockford (d)	02408540	157
Coosa River at Jordan Dam near Wetumpka (d)	02411000	159
Coosa River at Wetumpka (g)	02411600	161
Tallapoosa River below Tallapoosa, Ga. (d)	02411930	162
Tallapoosa River near Heflin (d)	02412000	164
Little Tallapoosa River below Bowdon, Ga. (d)	02413210	166
Little Tallapoosa River near Newell (d)	02413300	168
Tallapoosa River at Wadley (dg)	02414500	170
Tallapoosa River near New Site (d)	02414715	173
Hillabee Creek near Hackneyville (d)	02415000	175
Sougahatchee Creek near Loachapoka (d)	02418230	177
Tallapoosa River below Tallassee (d)	02418500	179
Chewacla Creek at Chewacla State Park near Auburn (d)	02418760	181
Uphapee Creek near Tuskegee (d)	02419000	183
Tallapoosa River at Milstead (g)	02419500	185

	Station number	Page
EASTERN GULF OF MEXICO BASINS--Continued		
MOBILE RIVER BASIN--Continued		
Coosa River--Continued		
Tallapoosa River near Montgomery (dg)	02419890	186
Alabama River (continuation of Coosa River):		
Alabama River at Montgomery (g)	02419988	189
Alabama River near Montgomery (g)	02420000	190
Catoma Creek near Montgomery (d)	02421000	195
Alabama River below Robert F. Henry Lock and Dam near Benton (e)	02421351	197
Mulberry Creek at Jones (d)	02422500	198
Alabama River at Selma (g)	02423000	200
Cahaba River at Trussville (dtko)	02423130	201
Cahaba River near Mountain Brook (d)	02423380	209
Little Cahaba River below Leeds (dtko)	02423397	211
Little Cahaba River near Leeds (dtko)	02423398	219
Little Cahaba River at Cahaba Beach near Cahaba Heights (d)	02423414	227
Cahaba River near Cahaba Heights (d)	02423425	231
Cahaba River near Hoover (dtko)	02423496	233
Cahaba River near Acton (d)	02423500	241
Cahaba Valley Creek at Cross Creek Road at Pelham (dcs)	0242354750	243
Cahaba River near Helena (d)	02423555	248
Shades Creek near Homewood (d)	02423586	250
Shades Creek near Greenwood (d)	02423630	252
Cahaba River at Centreville (dg)	02424000	254
Cahaba River near Suttle (d)	02424590	257
Cahaba River near Marion Junction (d)	02425000	259
Pine Barren Creek near Snow Hill (d)	02427250	261
Alabama River below Millers Ferry Lock and Dam near Camden (e)	02427506	263
Alabama River at Claiborne Lock and Dam near Monroeville (d)	02428400	264
Alabama River below Claiborne Lock and Dam near Monroeville (e)	02428401	266
Alabama River at Claiborne (cs)	02429500	267
Alabama River at Choctaw Bluff (g)	02429540	270
Tombigbee River:		
Buttahatchee River below Hamilton (d)	02438000	271
Luxapallila Creek at Millport (d)	02442500	273
Tombigbee River at Bevill Lock and Dam near Pickensville (d)	02444160	275
Bogue Chitto Creek near Memphis (dcs)	02444490	277
Tombigbee River near Cochrane (g)	02444500	282
Sipsey River near Elrod (d)	02446500	283
Tombigbee River at Heflin Lock and Dam near Gainesville (d)	02447025	285
Noxubee River near Geiger (d)	02448500	287
Bodka Creek near Geiger (d)	02448900	289
Mulberry Fork (head of Black Warrior River):		
Duck River near Berlin (g)	02449840	291
Blue Springs Creek near Blountsville (d)	02449882	292
Mulberry Fork near Garden City (d)	02450000	294
Mulberry Fork near Arkadelphia (d)	02450180	296
Sipsey Fork near Grayson (d)	02450250	298
Clear Creek at New Hope Church near Popular Spring (d)	02450825	300
Blackwater Creek near Manchester (d)	02453000	302
Mulberry Fork at Cordova (g)	02453500	304
Lost Creek above Parrish (d)	02454055	305
Locust Fork near Cleveland (d)	02455000	307
Locust Fork at Warrior (d)	02455900	309
Turkey Creek at Sewage Plant near Pinson (dtko)	02455980	311
Turkey Creek at Morris (d)	02456000	319
Locust Fork at Sayre (d)	02456500	321
Fivemile Creek at Ketona (d)	02457000	323
Fivemile Creek near Republic (dtko)	02457595	330
Fivemile Creek below Prudes Creek near Graysville (dtko)	02457670	343
Village Creek at 86th Street North at Roebuck (d)	02458148	351
Village Creek at Apalachee Street in Birmingham (d)	02458200	353
Village Creek at 24th Street at Birmingham (d)	02458300	355
Village Creek at Ave. W at Ensley (dtko)	02458450	357
Village Creek near Pratt City (d)	02458502	365
Village Creek near Docena (dtko)	02458600	367
Black Warrior River (continuation of Mulberry Fork):		
Valley Creek at Center Street at Birmingham (d)	02461130	375
Valley Creek near Bessemer (d)	02461500	377
Valley Creek below Bessemer (d)	02461640	379
Valley Creek near Oak Grove (d)	02462000	381
Black Warrior River at Bankhead Lock and Dam near Bessemer (d)	02462500	383
Black Warrior River below Bankhead Lock and Dam near Bessemer (e)	02462501	385
Black Warrior River at Holt Lock and Dam near Holt (d)	02462951	386
Black Warrior River below Holt Lock and Dam near Holt (e)	02462952	388

	Station number	Page
EASTERN GULF OF MEXICO BASINS--Continued		
MOBILE RIVER BASIN--Continued		
Alabama River--Continued		
Tombigbee River --Continued		
Black Warrior River--Continued		
North River near Samantha (d)	02464000	389
Turkey Creek near Tuscaloosa (d)	02464146	391
Binion Creek below Gin Creek near Samantha (d)	02464360	393
Lake Tuscaloosa near Tuscaloosa (e)	02464800	395
Black Warrior River at Oliver Lock and Dam at Northport (d)	02465000	396
Black Warrior River below Oliver Lock and Dam at Tuscaloosa (e)	02465005	398
Cribbs Mill Creek at Waste Water Plant at Tuscaloosa (d)	02465292	399
Elliotts Creek at Moundville (d)	02465493	401
Black Warrior River at Selden Lock and Dam near Eutaw (d)	02466030	403
Black Warrior River below Selden Lock and Dam near Eutaw (e)	02466031	405
Tombigbee River at Demopolis Lock and Dam near Coatopa (d)	02467000	406
Tombigbee River below Demopolis Lock and Dam near Coatopa (e)	02467001	408
Sucarnoochee River at Livingston (d)	02467500	409
Tombigbee River near Nanafalia (e)	02469525	411
Tombigbee River at Coffeeville Lock and Dam near Coffeeville (d)	02469761	412
Tombigbee River below Coffeeville Lock and Dam near Coffeeville (ecs)	02469762	414
Satilpa Creek near Coffeeville (d)	02469800	418
Tombigbee River near Leroy (e)	02470050	420
Bassett Creek at U.S. Highway 43 near Thomasville (d)	02470072	421
Mobile River at river mile 31.0 at Bucks (de)	02470629	423
Chickasaw Creek near Kushla (d)	02471001	425
Fowl River at Half Mile Road near Laurendine (d)	02471078	427
Lakes and Reservoirs in Mobile River basin in Alabama		431
PASCAGOULA RIVER BASIN		
Pascagoula River:		
Escatawpa River near Agricola, Miss. (d)	02479560	438
Big Creek at County Road 63 near Wilmer (dc)	02479945	440
Crooked Creek near Fairview (dc)	02479980	443
Hamilton Creek at Snow Road near Semmes (dc)	02480002	446
J.B. Converse Reservoir (Hamilton Creek) near Semmes (e)	02480004	451
MISSISSIPPI RIVER BASIN		
Mississippi River:		
OHIO RIVER BASIN		
Ohio River:		
TENNESSEE RIVER BASIN		
Tennessee River:		
Short Creek:		
Scarham Creek near McVille (d)	03573182	454
Paint Rock River near Woodville (d)	03574500	456
Flint River:		
Mountain Fork:		
Hester Creek near Plevna (dcs)	0357479650	458
Flint River at Brownsboro (dcs)	03575100	463
Tennessee River at Whitesburg (dg)	03575500	468
Limestone Creek near Athens (d)	03576250	471
Tennessee River at Decatur (g)	03577150	473
Big Nance Creek at Courtland (d)	03586500	474
Tennessee River at Florence (dg)	03589500	476
Tennessee River at Smithsonia (g)	03590680	478
Lakes and Reservoirs in Tennessee River basin in Alabama		480
DISCHARGE AND WATER-QUALITY AT PARTIAL-RECORD AND MISCELLANEOUS SITES		
Discharge at partial-record and miscellaneous sites		
Flood hydrograph partial-record stations		483
Crest-stage partial-record station		499
Discharge measurements made at miscellaneous sites		500
Analyses of samples collected at water-quality partial-record stations		501
Analyses of samples collected at miscellaneous stations		529

GROUND-WATER STATIONS, BY COUNTY, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

GROUND- WATER LEVELS
Montgomery County 545
Tuscaloosa County 546
GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
Ground Water Quality Data Collected During Short-term Studies 547

PRECIPITATION STATION, BY COUNTY, FOR WHICH RECORD IS PUBLISHED IN THIS VOLUME

PRECIPITATION-QUALITY RECORD
Dallas County, near Marion Junction 557

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 for the 2004 water year that began October 1, 2003 and ended September 30, 2004. Specifically, it contains: (1) discharge records for 131 streamflow-gaging stations, for 19 partial-record or miscellaneous streamflow stations; (2) stage and content records for 16 lakes and reservoirs and stage at 44 stations; (3) water-quality records for 21 streamflow-gaging stations and for 11 ungaged streamsites; (4) water temperature at 20 surface-water stations; (5) specific conductance and dissolved oxygen at 20 stations; (6) turbidity at 5 stations; (7) sediment data at 6 stations; (8) water-level records for 2 recording observation wells; and (9) water-quality records for 6 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-04-1." 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 for ordering specific reports may be obtained from the Alabama Water Science Center director at the address given on the back of the title page or by telephone (334) 395-4120.

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 Power Company
Baldwin County Commission
City of Auburn
City of Birmingham, Waterworks Board
City of Brewton
City of Century, Florida
City of Fort Payne, Water and Sewer Board
City of Hoover
City of Huntsville
City of Oxford
City of Thomasville
City of Tuscaloosa
City of Vestavia Hills
Coffee County Commission
Dallas County Commission
Jefferson County Commission
Marengo County Commission
Mobile Area Water & Sewer System
Montgomery Water Works and Sanitary Sewer Board
Sumter County Commission
Tennessee Valley Authority
Town of Blountsville
Town of Carrollton
Town of Courtland
Town of Falkville
Town of Parrish
U.S. Army Corps of Engineers, Mobile District

SUMMARY OF HYDROLOGIC CONDITIONS

Precipitation and streamflow in Alabama were below normal during the 2004 water year. National Weather Service rain gages at Anniston, Birmingham, Huntsville, Montgomery, Troy, and Tuscaloosa, all recorded below normal rainfall for the year, ranging from 0.56 inches below normal at Anniston, to 6.75 inches below normal at Troy. Mobile recorded 72.42 inches of precipitation for the year, which was 8.46 inches above normal.

Annual mean discharges in 2004 were lower than in 2003 at all 20 stations listed in table 1. Most stations had annual mean discharges decrease 30 to 55 percent as compared to 2003. Despite this decrease in streamflow, 13 of these stations had annual mean dicharges in 2004 that exceeded 75 percent of their respective long-term averages, including 3 stations that equaled or exceeded their long-term average (table 2). Annual mean discharges ranged from 55 percent of the long-term annual mean discharge at Uchee Creek to 110 percent of the long-term annual mean discharge for Sipsey River.

Monthly mean discharges with respect to long-term monthly mean discharges were variable during the year for these 20 stations (table 1). During the autumn months, less than half the stations listed had monthly mean discharges that exceeded their respective long-term monthly averages. Streamflow during the winter was variable. Every station listed had monthly mean discharges below their long-term January mean discharge, while only 13 stations exceeded their long-term mean discharges for February.

Streamflow was lower than normal during the spring months, with April being the lowest. Eighteen of the 20 stations listed had an April mean discharge less than half their respective long-term April mean discharge. No stations exceeded their long-term mean discharge for that month. Nine of the 20 stations had a May mean discharge less than half their respective long-term average for May; and only one station exceeded its long term mean discharge for May. Streamflow during the summer months (June, July, August) was below normal for 12 stations. In September, all 20 stations exceeded their long-term September monthly mean discharge, due primarily to the effects of Hurricane Ivan. Fourteen of the 20 stations more than doubled their respective long-term September mean discharges.

Monthly mean discharges with respect to long-term averages ranged from a mean April discharge that was 17 percent of the long-term mean April discharge at Uchee Creek to a mean September discharge that was 817 percent of the long-term mean September discharge at Kelly Creek. Comparison of discharge for water year 2004 to long-term averages at two selected gaging stations (fig. 1) illustrates the general pattern of hydrologic conditions that occurred across the state. The high flow conditions in February and September are particularly notable.

Table 1 below gives the percentage of their long-term monthly mean discharges that occurred each month during the year. For example, the mean discharge for February 2004 at Uchee Creek near Fort Mitchell was 89 percent of long-term February mean discharge at that station.

Table 1.--Monthly mean discharges in 2004 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	99	69	65	53	89	24	17	57	42	19	21	437
02361000	Choctawhatchee River	106	98	73	57	103	39	36	84	104	56	92	120
02371500	Conecuh River	132	87	110	71	122	47	21	55	96	70	68	477
02374500	Murder Creek	105	99	101	82	122	46	39	68	90	68	58	204
02378500	Fish River	84	89	97	99	156	67	59	70	125	72	117	184
02401000	Big Wills Creek	73	60	67	82	86	56	38	57	80	166	98	457
02405500	Kelly Creek	20	30	33	54	91	42	42	62	127	133	105	817
02411000	Coosa River	94	96	73	60	93	35	30	57	89	88	74	289
02412000	Tallapoosa River	67	146	80	61	85	39	49	47	71	101	69	299
02422500	Mulberry Creek	135	145	88	81	98	37	38	53	78	50	64	200
02424000	Cahaba River	77	76	42	50	97	41	39	67	79	86	71	362
02438000	Buttahatchee River	118	166	59	75	172	124	33	28	97	184	176	156
02446500	Sipsey River	173	105	109	72	183	99	42	44	185	246	129	152
02450250	Sipsey Fork	40	20	52	60	179	106	33	25	87	97	52	106
02456500	Locust Fork	28	19	22	40	146	58	29	30	171	168	102	363
02465000	Black Warrior River	58	76	50	52	157	65	27	44	169	184	112	241
02467000	Tombigbee River	107	140	79	70	177	84	34	43	207	229	121	194
02471001	Chickasaw Creek	81	70	66	50	114	46	50	118	228	139	81	168
03574500	Paint Rock River	21	52	59	60	122	93	49	42	87	251	64	432
03586500	Big Nance Creek	28	106	55	53	190	118	27	18	68	148	47	220

Of the stations listed in Table 2, 10 stations had instantaneous peak discharges in 2004 with a recurrence interval of 2 years or less, and 9 stations had instantaneous peak discharges with a recurrence interval of between 2 and 5 years. Nine stations reported instantaneous peak discharges in 2003 that were greater than their peak discharge in 2003.

Baseflows at the stations listed in Table 1 were generally lower than last year. Baseflow was higher at Uchee Creek and at the Choctawhatchee River. All unregulated stations had 7-day minimum average discharge with recurrence intervals of 2 years or less.

Chemical quality of surface water in Alabama generally is suitable for most uses. Dissolved-solids concentrations in water in streams in 2004 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.

Groundwater is an important part of the public and domestic water supply in Alabama. Of the 913 million gallons per day of water used for public and domestic water supplies, 39.4 percent comes from groundwater (Hutson, et. al. 2004). Precipitation is the sole source of water to the ground-water system, but only a small part of the precipitation that occurs each year actually recharges the ground-water system.

Since recharge of aquifers is entirely dependent on precipitation, natural ground-water levels in Alabama follow the same cyclic pattern of seasonal fluctuation as precipitation. There is an increase in water level through the winter and spring and a decrease in water level through the summer and fall.

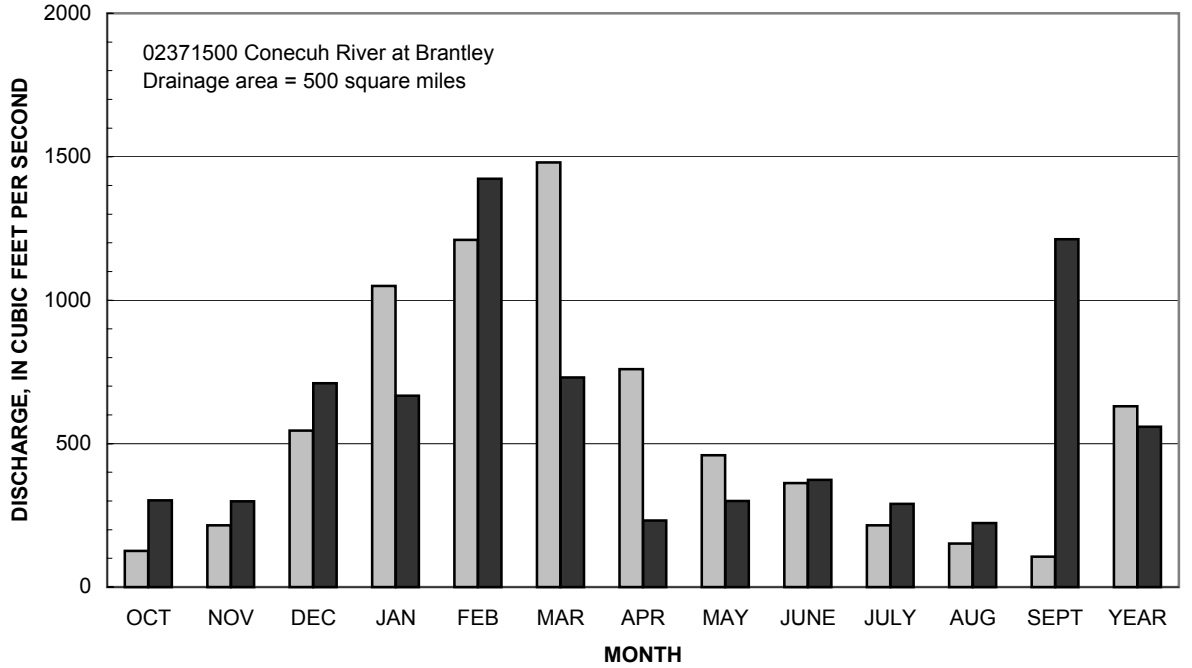
Ground-water levels are monitored continuously in two wells in the State. Station 322047086214301 in Montgomery County (Fig. 2) monitors the Eutaw aquifer of Late Cretaceous age and station 333204087324601 in Tuscaloosa County monitors the Pottsville aquifer of Early and Middle Pennsylvanian age. Water levels recorded in 2004 (Fig. 2) for the observation well in Montgomery County indicate that ground-water conditions were near normal for most of the year;somewhat dryer than normal conditions occurred during winter and early spring. Continuous measurements of dissolved-oxygen concentration, water temperature, and specific conductance were recorded at nine stream gaging stations in Jefferson County. Specific conductance ranged from 43 to 856 microSiemens (mS/cm) at 225 degrees Celsius (^{o}C) at these nine stations; mean specific conductance ranged from 174 to 554 mS/cm. Dissolved-oxygen concentrations typically fluctuated seasonally and in a diurnal fashion. Concentrations of dissolved oxygen ranged from 1.1 to 19.8 milligrams per liter (mg/L), with mean concentrations ranging from 8.0 to 9.9 mg/L.Monitoring ground-water levels in wells provides a measure of the amount of available groundwater. For this reason, it is important to continuously monitor ground-water levels throughout the State.

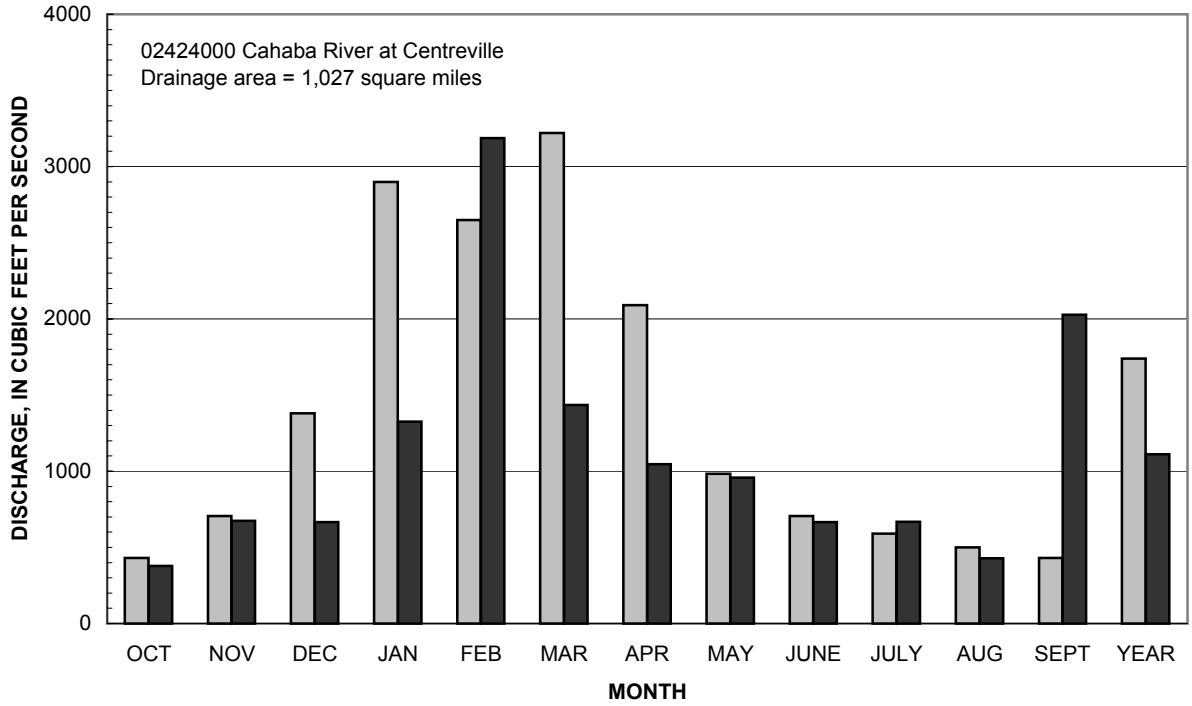
Reference Cited

Hutson, S.S., Barber, N.L., Kenny, J.F., Linsey, K.S., Lumia, D.S., and Maupin, M.A., 2004, Estimated use of water in the United States in 2000: Reston, Va., U.S. Geological Survey Circular 1268, 46 p.

TABLE 2.--Mean, maximum, and minimum streamflow and recurrence intervals at selected stations.

Station name	Station number	Length of record (years)	Mean: Yearly mean (ft^3/s)	Mean: Percent of long-term average	Maximum: Peak discharge (ft^3/s)	Maximum: Recurrence interval (years)	Minimum 7-day average (ft^3/s)	Recurrence interval (years)
Uchee Creek near Fort Mitchell	02342500	58	233	55	3,650	<2	15	>2
Choctawhatchee River near Newton	02361000	74	648	69	3,710	<2	167	2
Conecuh River at Brantley	02371500	67	559	85	4,920	<2	67	<2
Murder Creek at Evergreen	02374500	67	235	83	2,980	<2	72	>2
Fish River near Silver Hill	02378500	34	120	104	4,970	5	51	<2
Big Wills Creek near Reece City	02401000	45	255	84	7,280	<5	71	<2
Kelly Creek near Vincent	02405500	36	254	76	unknown	--	4.7	<2
Coosa River at Jordan Dam near Wetumpka	02411000	80	11,510	71	65,200	2	regulated	
Tallapoosa River near Heflin	02412000	52	493	73	5,660	<2	129	<2
Mulberry Creek at Jones	02422500	62	224	73	3,750	<2	69	<2
Cahaba River at Centreville	02424000	77	1,110	70	20,700	<2	267	<2
Buttahatchee River below Hamilton	02438000	34	528	99	19,900	<5	97	<2
Sipsey River near Elrod	02446500	61	897	110	15,200	5	149	<2
Sipsey Fork near Grayson	02450250	38	142	85	10,800	5	4.9	<2
Locust Fork at Sayre	02456500	66	1,060	73	28,000	<5	91	<2
Black Warrior River at Northport	02465000	84	6,760	85	194,000	10	regulated	
Tombigbee River at Demopolis L&D near Coatopa	02467000	76	24,400	100	215,000	5	regulated	
Chickasaw Creek near Kushla	02471001	53	258	94	5,820	<5	81	<2
Paint Rock River near Woodville	03574500	68	584	86	19,800	<5	26	<2
Big Nance Creek at Courtland	03586500	57	260	93	10,600	<10	11	<2





EXPLANATION

MEDIAN OF MONTHLY AND YEARLY MEAN DISCHARGE FOR REFERENCE PERIOD, 1971-2000

MONTHLY AND YEARLY MEAN DISCHARGE DURING WATER YEAR 2004

Figure 1.--Comparison of discharge for water year 2004 to the base period 1971-2000 at two long-term representative gaging stations.

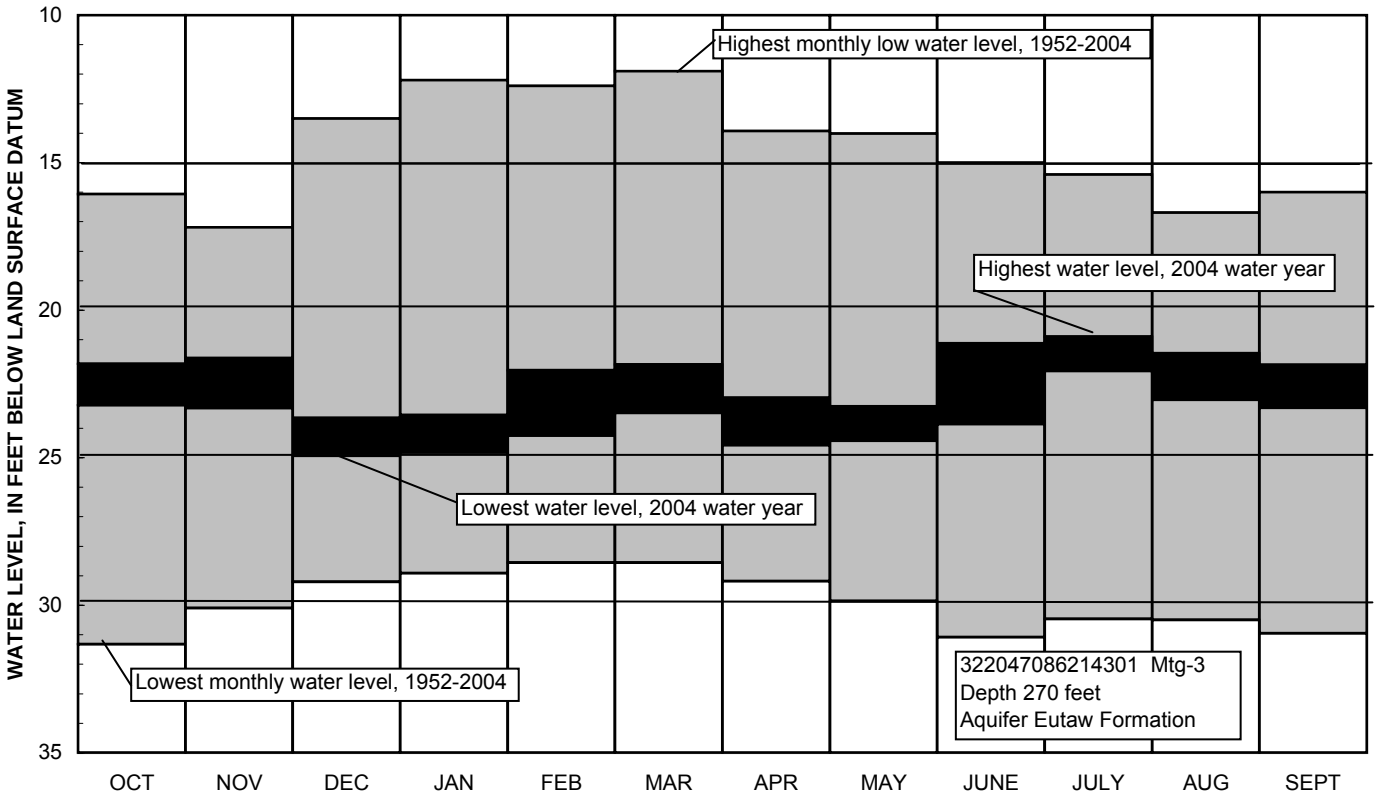


Figure 2.--Comparison of monthly low water levels for water year 2004 to the highest and lowest monthly low water levels for the period of record for an observation well.

DOWNSTREAM ORDER AND STATION NUMBER

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

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These station numbers are in the same downstream order used in this report. In assigning a station number, 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 composed of both types of stations. Gaps are consecutive. The complete 8-digit (or 10-digit) number for each station such as 09004100, which appears just to the left of the station name, includes a 2-digit part number “09” plus the 6-digit (or 8-digit) downstream order number “004100.” In areas of high station density, an additional two digits may be added to the station identification number to yield a 10-digit number. The stations are numbered in downstream order as described above between stations of consecutive 8-digit numbers.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The USGS well and miscellaneous site-numbering system is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, and the next 7 digits denote degrees, minutes, and seconds of longitude; the last 2 digits are a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and miscellaneous site are the same, a sequential number such as “01,” “02,” and so forth, would be assigned as one would for wells (see fig. 3). The 8-digit, downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

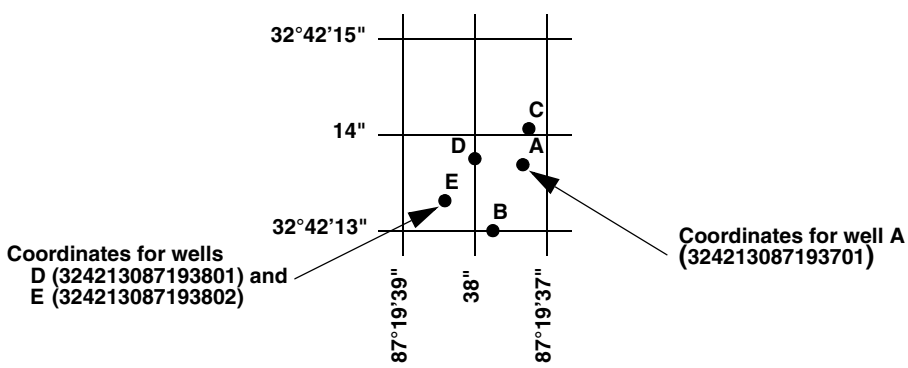


Figure 3.--System for numbering wells and other off-stream sites (latitude and longitude).

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 61 sites in small drainage basins in 39 States that was established in 1963 to provide consistent streamflow data representative of undeveloped watersheds nationwide, and from which data could be analyzed on a continuing basis for use in comparison and contrast with conditions observed in basins more obviously affected by human activities. At selected sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the effects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program may be accessed from http://water.usgs.gov/hbn/.

National Stream-Quality Accounting Network (NASQAN) is a network of sites used to monitor the water quality of large rivers within the Nation’s largest river basins. From 1995 through 1999, a network of approximately 40 stations was operated in the Mississippi, Columbia, Colorado, and Rio Grande River basins. For the period 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia Rivers so that a network of 5 stations could be implemented on the Yukon River. 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 (NAWQA) Program; (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. Additional information about the NASQAN Program may be accessed from http://water.usgs.gov/nasqan/.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) is a network of monitoring sites that provides continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead Federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from this network of 250 precipitation-chemistry monitoring sites. The USGS supports 74 of these 250 sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as data from the individual sites, may be accessed from http://bqs.usgs.gov/acidrain/.

The USGS National Water-Quality Assessment (NAWQA) Program 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; to provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and to provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 42 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 is 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 water-resources managers to use in making decisions and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

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

The USGS National Streamflow Information Program (NSIP) is a long-term program with goals to provide framework streamflow data across the Nation. Included in the program are creation of a permanent Federally funded streamflow network, research on the nature of streamflow, regional assessments of streamflow data and databases, and upgrades in the streamflow information delivery systems. Additional information about NSIP may be accessed from http://water.usgs.gov/nsip/.

EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS

Data Collection and Computation

The base data collected at gaging stations (fig. 4-19) consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and volume of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from a water-stage recorder that is either downloaded electronically in the field to a laptop computer or similar device or is transmitted using telemetry such as GOES satellite, land-line, or by radio transmission. Measurements of discharge are made with a current meter or acoustic Doppler current profiler, using the general methods adopted by the USGS. These methods are described in standard textbooks, USGS Water-Supply Paper 2175, and the

Techniques of Water-Resources Investigations of the United States Geological Survey (TWRIs), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2, which may be accessed from http://water.usgs.gov/pubs/twri/. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standardization (ISO).

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

The stage-discharge relation at some stream-gaging stations is affected by backwater from reservoirs, tributary streams, or other sources. Such an occurrence 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 at some distance from the base gage.

An index velocity is measured using ultrasonic or acoustic instruments at some stream-gaging stations and this index velocity is used to calculate an average velocity for the flow in the stream. This average velocity along with a stage-area relation is then used to calculate average discharge.

At some stations, stage-discharge relation is affected by changing stage. At these stations, the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations in the northern United States, the stage-discharge relation is affected by ice in the winter; therefore, computation of the discharge in the usual manner is impossible. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter-discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge from other stations in the same or nearby basins.

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

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

For some stream-gaging stations, periods of time occur when no gage-height record is obtained or the recorded gage height is faulty and cannot be used to compute daily discharge or contents. Such a situation can happen when the recorder stops or otherwise fails to operate properly, the intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records from other stations in the same or nearby basins. Likewise, lake or reservoir volumes may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

Data Presentation

The records published for each continuous-record surface-water discharge station (stream-gaging station) consist of five parts: (1) the station manuscript or description; (2) the data table of daily mean values of discharge for the current water year with summary data; (3) a tabular statistical summary of monthly mean flow data for a designated period, by water year; (4) 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; and (5) a hydrograph of discharge.

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 follow that clarify information presented under the various headings of the station description.

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

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

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

REVISED RECORDS.—If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

GAGE.—The type of gage in current use, the datum of the current gage referred to a standard datum, 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 either will be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See section titled Identifying Estimated Daily Discharge.) Information is presented relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, the outlet works and spillway, and the purpose and use of the reservoir.

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.—Information here documents 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 USGS.

REVISIONS.—Records are revised if errors in published records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (http://water.usgs.gov/nwis/nwis). Users are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent data updates. Updates to NWISWeb are made on an annual basis.

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

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

Peak Discharge Greater than Base Discharge

Tables of peak discharge above base discharge are included for some stations where secondary instantaneous peak discharge data are used in flood-frequency studies of highway and bridge design, flood-control structures, and other flood-related projects. The base discharge value is selected so an average of three peaks a year will be reported. This base discharge value has a recurrence interval of approximately 1.1 years or a 91-percent chance of exceedence in any 1 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 arithmetic 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 is 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). Values for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if extensive regulation or diversion is in effect 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 volumes are given. These values are identified by a symbol and a corresponding footnote.

Statistics of Monthly Mean Data

A tabular summary of the mean (line headed MEAN), maximum (MAX), and minimum (MIN) of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those values. 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. The designated period will consist of all of the station record within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are 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 records within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are 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 the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When the dates of occurrence do not fall within the selected water years listed in the heading, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration-curve statistics and runoff data also are given. Runoff data may be omitted if extensive regulation or diversion of flow is in effect in the drainage basin.

The following summary statistics data are provided with each continuous record of discharge. Comments that 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.

ANNUAL MEAN.—The arithmetic mean for the individual daily mean discharges for the year noted or for the designated period.

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.

MAXIMUM PEAK FLOW.—The maximum instantaneous peak discharge occurring for the water year or designated period. Occasionally the maximum flow for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak flow is given in the table and the maximum flow may be reported in a footnote or in the REMARKS paragraph in the manuscript.

MAXIMUM PEAK STAGE.—The maximum instantaneous peak stage occurring for the water year or designated period. Occasionally the maximum stage for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak stage is given in the table and the maximum stage may be reported in the REMARKS paragraph in the manuscript or in a footnote. If the dates of occurrence of the maximum peak stage and maximum peak flow are different, 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 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) indicate the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

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

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

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

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

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified. This identification is shown either by flagging individual daily values with the letter “e” and noting in a table footnote, “e–Estimated,” or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of Field Data and Computed Results

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

The degree of accuracy of the records is stated in the REMARKS in the station description. “Excellent” indicates that about 95 percent of the daily discharges are within 5 percent of the true value; “good” within 10 percent; and “fair,” within 15 percent. “Poor” indicates that daily discharges have less than “fair” accuracy. Different accuracies may be attributed to different parts of a given record.

Values of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft3/s; to the nearest tenths between 1.0 and 10 ft3/s; to whole numbers between 10 and 1,000 ft3/s; and to 3 significant figures above 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 discharge values listed for partial-record stations.

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

Other Data Records Available

Information of a more detailed nature than that published for most of the stream-gaging stations such as discharge measurements, gage-height records, and rating tables is available from the Alabama Water Science Center. Also, most stream-gaging station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the Alabama Water Science Center (see address that is shown on the back of the title page of this report).

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analysis usually are collected at or near stream-gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, water temperature, sediment discharge, and so forth); extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, sampling date, or other pertinent data are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most of the methods used for collecting and analyzing water samples are described in the TWRIs, which may be accessed from http://water.usgs.gov/pubs/twri/. A list of TWRIs is also provided in this report.

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

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

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum and minimum values (and sometimes mean or median values) for each constituent measured, and are based on 15-minute or 1-hour intervals of recorded data beginning at 0000 hours and ending at 2400 hours for the day of record.

SURFACE-WATER-QUALITY RECORDS

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because discharge data are useful in the interpretation of surface-water quality. Records of surface-water quality in this report 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 continuous-record station is a site where data are collected on a regularly scheduled basis. Frequency may be one or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A miscellaneous sampling site is a location other than a continuous- or partial-record station, where 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 continuous records as used in this report and continuous recordings that refer to a continuous graph or a series of discrete values recorded at short intervals. 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.

Accuracy of the Records

One of four accuracy classifications is applied for measured physical properties at continuous-record stations on a scale ranging from poor to excellent. The accuracy rating is based on data values recorded before any shifts or corrections are made. Additional consideration also is given to the amount of publishable record and to the amount of data that have been corrected or shifted.

Rating classifications for continuous water-quality records

[≤less than or equal to; ±, plus or minus value shown; °C, degree Celsius; >, greater than; %, percent; mg/L, milligram per liter; pH unit, standard pH unit]

Measured physical property	Rating			
	Excellent	Good	Fair	Poor
Water temperature	≤±0.2 °C	>±0.2 to 0.5 °C	>±0.5 to 0.8 °C	>±0.8 °C
Specific conductance	≤±3%	>±3 to 10%	>±10 to 15%	>±15%
Dissolved oxygen	≤±0.3 mg/L	>±0.3 to 0.5 mg/L	>±0.5 to 0.8 mg/L	>±0.8 mg/L
pH	≤±0.2 unit	>±0.2 to 0.5 unit	>±0.5 to 0.8 unit	>±0.8 unit
Turbidity	≤±5%	>±5 to 10%	>±10 to 15%	>±15%

Arrangement of Records

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

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern is assuring that the data obtained represent the naturally occurring quality of the water. To ensure this, certain measurements, such as water temperature, pH, and dissolved oxygen, must be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the naturally occurring water, carefully prescribed procedures must be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRIs Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1-A9. Most of the methods used for collecting and analyzing water samples are described in the TWRIs, which may be accessed from http://water.usgs.gov/pubs/twri/. Also, detailed information on collecting, treating, and shipping samples can be obtained from the USGS Alabama Water Science Center (see address that is shown on the back of title page in this report).

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at the time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small 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 discharges.

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

Sediment

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

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

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

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

Laboratory Measurements

Samples for biochemical oxygen demand (BOD) and indicator bacteria are analyzed locally. All other samples are analyzed in the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chapter C1. Methods used by the USGS laboratories are given in the TWRIs, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. The TWRI publications may be accessed from http://water.usgs.gov/pubs/twri/. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

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

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

LOCATION.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

DRAINAGE AREA.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

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

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

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

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES.—Maximums and minimums are given only for parameters measured daily or more frequently. For parameters measured weekly or less frequently, true maximums or minimums may not have been obtained. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.—Records are revised if errors in published water-quality records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (http://waterdata.usgs.gov/nwis). Users of USGS water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent updates. Updates to the NWISWeb are made on an annual basis.

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

Remark Codes

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

Printed Output	Remark
E	Value is estimated.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
U	Material specifically analyzed for, but not detected.
A	Value is an average.
V	Analyte was detected in both the environmental sample and the associated blanks.
S	Most probable value.

Water-Quality Control Data

The USGS National Water Quality Laboratory collects quality-control data on a continuing basis to evaluate selected analytical methods to determine long-term method detection levels (LT-MDLs) and laboratory reporting levels (LRLs). These values are re-evaluated each year on the basis of the most recent quality-control data and, consequently, may change from year to year.

This reporting procedure limits the occurrence of false positive error. Falsely reporting a concentration greater than the LT-MDL for a sample in which the analyte is not present is 1 percent or less. Application of the LRL limits the occurrence of false negative error. The chance of falsely reporting a non-detection for a sample in which the analyte is present at a concentration equal to or greater than the LRL is 1 percent or less.

Accordingly, concentrations are reported as less than LRL for samples in which the analyte was either not detected or did not pass identification. Analytes detected at concentrations between the LT-MDL and the LRL and that pass identification criteria are estimated. Estimated concentrations will be noted with a remark code of “E.” These data should be used with the understanding that their uncertainty is greater than that of data reported without the E remark code.

Data generated from quality-control (QC) samples are a requisite for evaluating the quality of the sampling and processing techniques as well as data from the actual samples themselves. Without QC data, environmental sample data cannot be adequately interpreted because the errors associated with the sample data are unknown. The various types of QC samples collected by the Alabama Water Science Center are described in the following section. Procedures have been established for the storage of water-quality-control data within the USGS. These procedures allow for storage of all derived QC data and are identified so that they can be related to corresponding environmental samples. These data are not presented in this report but are available from the Science Center.

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated in the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. Many types of blank samples are possible; each is designed to segregate a different part of the overall data-collection process. The types of blank samples collected in this district are:

Field blank—A blank solution that is subjected to all aspects of sample collection, field processing preservation, transportation, and laboratory handling as an environmental sample.

Trip blank—A blank solution that is put in the same type of bottle used for an environmental sample and kept with the set of sample bottles before and after sample collection.

Equipment blank—A blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office).

Sampler blank—A blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Filter blank—A blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank—A blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank—A blank solution that is treated with the sampler preservatives used for an environmental sample.

Reference Samples

Reference material is a solution or material prepared by a laboratory. The reference material composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties.

Replicate Samples

Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. Many types of replicate samples are possible, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this district are:

Concurrent samples—A type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating the collection of samples into two or more compositing containers.

Sequential samples—A type of replicate sample in which the samples are collected one after the other, typically over a short time.

Split sample—A type of replicate sample in which a sample is split into subsamples, each subsample contemporaneous in time and space.

Spike Samples

Spike samples are samples to which known quantities of a solution with one or more well-established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Generally, only ground-water-level data from selected wells with continuous recorders from a basic network of observation wells are published in this report. Locations of the observation wells in this report are shown in Figure 20.

Site Identification Numbers

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

Data Collection and Computation

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

Most methods for collecting and analyzing water samples are described in the TWRIs referred to in the On-site Measurements and Sample Collection and the Laboratory Measurements sections in this report. In addition, TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRIs Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1 through A9. The TWRI publications may be accessed from http://water.usgs.gov/pubs/twri/. The values in this report represent water-quality conditions at the time of sampling, as much as possible, and that are consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. Trained personnel collected all samples. The wells sampled were pumped long enough to ensure 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.

Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum above sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels 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 of water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Data Presentation

Water-level data are presented in alphabetical order by county. The primary identification number for a given well is the 15-digit site identification number that appears in the upper left corner of the table. The secondary identification

number is the local or county well number. Well locations are shown in figures 20; each well is identified on the map by its local well or county well number.

Each well record consists of two parts: the well description and the data table of water levels observed during the water year. Well descriptions are presented in the headings preceding the tabular data.

The following comments clarify information presented in these various headings.

LOCATION.—This paragraph follows the well-identification number and reports the hydrologic-unit number and a geographic point of reference. Latitudes and longitudes used in this report are reported as North American Datum of 1927 unless otherwise specified.

AQUIFER.—This entry designates by name and geologic age the aquifer that the well taps.

WELL CHARACTERISTICS.—This entry describes the well in terms of depth, casing diameter and depth or screened interval, method of construction, use, and changes since construction.

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

DATUM.—This entry describes both the measuring point and the land-surface elevation at the well. The altitude of the land-surface datum is described in feet above the altitude datum; it is reported with a precision depending on the method of determination. The measuring point is described physically (such as top of casing, top of instrument shelf, and so forth), 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 National Geodetic Vertical Datum of 1929 (NGVD 29); 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, when various methods of measurement were begun, and the network (climatic, terrane, local, or areal effects) or the special project to which the well belongs.

PERIOD OF RECORD.—This entry indicates the time period for which records are published for the well, the month and year at the start of publication of water-level records by the USGS, and the words “to current year” if the records are to be continued into the following year. Time periods for which water-level records are available, but are not published by the USGS, may be noted.

EXTREMES FOR PERIOD OF RECORD.—This entry contains the highest and lowest instantaneously recorded or measured water levels of the period of published record, with respect to land-surface datum or sea level, and the dates of occurrence.

Water-Level Tables

A table of water levels follows the well description for each well. Water-level measurements in this report are given in feet with reference to either sea level or land-surface datum (lsd). Missing records are indicated by dashes in place of the water-level value.

For wells not equipped with recorders, water-level measurements were obtained periodically by steel or electric tape. Tables of periodic water-level measurements in these wells show the date of measurement and the measured water-level value.

GROUND-WATER-QUALITY DATA

Data Collection and Computation

The ground-water-quality data in this report were obtained as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some wells within a county but not for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide.

Most methods for collecting and analyzing water samples are described in the TWRIs, which may be accessed from http://water.usgs.gov/pubs/twri/. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI, Book 1, Chapter D2; Book 5, Chapters A1, A3, and A4; and Book 9, Chapters A1-A6. Also, detailed information on collecting, treating, and shipping samples may be obtained from the USGS Alabama Water Science Center (see address shown on back of title page in this report).

Laboratory Measurements

Analysis for sulfide and measurement of alkalinity, pH, water temperature, specific conductance, and dissolved oxygen are performed on site. All other sample analyses are performed at the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used by the USGS laboratory are given in TWRI, Book 1, Chapter D2 and Book 5, Chapters A1, A3, and A4, which may be accessed from http://water.usgs.gov/pubs/twri/.

PRECIPITATION-QUALITY RECORDS

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 USGS WATER DATA

The USGS 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 from http://water.usgs.gov.

Water-quality data and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on various media. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each Water Discipline District Office (See address that is shown on the back of the title page of this report.)

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Terms such as algae, water level, and precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English units to International System (SI) Units. Other glossaries that also define water-related terms are accessible from *http://water.usgs.gov/glossaries.html*.

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 equivalence point. This term designates titration of an "unfiltered" sample (formerly reported as alkalinity).

Acre-foot (AC-FT, acre-ft) is a unit of volume, commonly used to measure quantities of water used or stored, equivalent to the volume of water required to cover 1 acre to a depth of 1 foot and equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters. (See also "Annual runoff")

Adenosine triphosphate (ATP) is an organic, phosphate-rich compound important in the transfer of energy in organisms. Its central role in living cells makes ATP an excellent indicator of the presence of living material in water. A measurement of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter.

Adjusted discharge is discharge data that have been mathematically adjusted (for example, to remove the effects of a daily tide cycle or reservoir storage).

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. (See also "Biomass" and "Dry weight")

Alkalinity is the capacity of solutes in an aqueous system to neutralize acid. This term designates titration of a "filtered" sample.

Annual runoff is the total quantity of water that is discharged ("runs off") from a drainage basin in a year. Data reports may present annual runoff data as volumes in acre-feet, as discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

Annual 7-day minimum is the lowest mean value for any 7-consecutive-day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 through September 30). Most low-flow frequency analyses use a climatic year (April 1-March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. 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.)

Aroclor is the registered trademark for a group of polychlorinated biphenyls that were manufactured by the Monsanto Company prior to 1976. Aroclors are assigned specific 4-digit reference numbers dependent upon molecular type and degree of substitution of the biphenyl ring hydrogen atoms by chlorine atoms. The first two digits of a numbered aroclor represent the molecular type, and the last two digits represent the percentage weight of the hydrogen-substituted chlorine.

Artificial substrate is a device that purposely is 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 collected. 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 collection. (See also "Substrate")

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

Aspect is the direction toward which a slope faces with respect to the compass.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, whereas 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.

Bankfull stage, as used in this report, is the stage at which a stream first overflows its natural banks formed by floods with 1- to 3-year recurrence intervals.

Base discharge (for peak discharge) is a discharge value, determined for selected stations, above which peak discharge data are published. The base discharge at each station is selected so that an average of about three peak flows per year will be published. (See also “Peak flow”)

Base flow is sustained flow of a stream in the absence of direct runoff. It includes natural and human-induced streamflows. Natural base flow is sustained largely by ground-water discharge.

Bed material is the sediment mixture of which a stream-bed, lake, pond, reservoir, or estuary bottom is composed. (See also “Bedload” and “Sediment”)

Bedload is material in transport that primarily is supported by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to the top of the bedload sampler nozzle (an elevation ranging from 0.25 to 0.5 foot). These particles are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler also may contain a component of the suspended load.

Bedload discharge (tons per day) is the rate of sediment moving as bedload, reported as dry weight, that passes through a cross section in a given time. NOTE: Bedload discharge values in this report may include a component of the suspended-sediment discharge. A correction may be necessary when computing the total sediment discharge by summing the bedload discharge and the suspended-sediment discharge. (See also “Bedload,” “Dry weight,” “Sediment,” and “Suspended-sediment discharge”)

Benthic organisms are the group of organisms inhabiting the bottom of an aquatic environment. They include a number of types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. 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 microorganisms, such as bacteria.

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

Biomass pigment ratio is an indicator of the total proportion of periphyton that are autotrophic (plants). This also is called the Autotrophic Index.

Blue-green algae (*Cyanophyta*) are a group of phytoplankton and periphyton organisms with a blue pigment in addition to a green pigment called chlorophyll. Blue-green algae can cause nuisance water-quality conditions in lakes and slow-flowing rivers; however, they are found commonly in streams throughout the year. The abundance of blue-green algae in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter (μm^3/mL). The abundance of blue-green algae in periphyton samples is given in cells per square centimeter (cells/cm^2) or biovolume per square centimeter ($\mu m^3/cm^2$). (See also “Phytoplankton”and “Periphyton”)

Bottom material (See “Bed material”)

Bulk electrical conductivity is the combined electrical conductivity of all material within a doughnut-shaped volume surrounding an induction probe. Bulk conductivity is affected by different physical and chemical properties of the material including the dissolved-solids content of the pore water, and the lithology and porosity of the rock.

Canadian Geodetic Vertical Datum 1928 is a geodetic datum derived from a general adjustment of Canada’s first order level network in 1928.

Cell volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are used frequently in aquatic surveys as an indicator of algal production. However, cell numbers alone cannot represent true biomass because of considerable cell-size variation among the algal species. Cell volume (μm^3) is determined by obtaining critical cell measurements or cell dimensions (for example, length, width, height, or radius) for 20 to 50 cells of each important species to obtain an average biovolume per cell. Cells are categorized according to the correspondence of their cellular shape to the nearest geometric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

sphere $4/3\ \pi r^3$ cone $1/3\ \pi r^2 h$ cylinder $\pi r^2 h$.

pi (π) is the ratio of the circumference to the diameter of a circle; pi = 3.14159….

From cell volume, total algal biomass expressed as biovolume (μm^3/mL) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes for all species.

Cells/volume refers to the number of cells of any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample volume, and generally are reported as cells or units per milliliter (mL) or liter (L).

Cfs-day (See "Cubic foot per second-day")

Channel bars, as used in this report, are the lowest prominent geomorphic features higher than the channel bed.

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 BOD or with carbonaceous organic pollution from sewage or industrial wastes. [See also "Biochemical oxygen demand (BOD)"]

Clostridium perfringens *(C. perfringens)* is a spore-forming bacterium that is common in the feces of human and other warmblooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and the presence of microorganisms that are resistant to disinfection and environmental stresses. (See also "Bacteria")

Coliphages are viruses that infect and replicate in coliform bacteria. They are indicative of sewage contamination of water and of the survival and transport of viruses in the environment.

Color unit is produced by 1 milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Confined aquifer is a term used to describe an aquifer containing water between two relatively impermeable boundaries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table that may be present in the material above it. In some cases, the water level can rise above the ground surface, yielding a flowing well.

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.

Continuous-record station is a site where data are collected with sufficient frequency to define daily mean values and variations within a day.

Control designates a feature in the channel that physically affects the water-surface elevation and thereby determines the stage-discharge relation at the gage. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

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

Cubic foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second or approximately 449 gallons per minute, or 0.02832 cubic meters per second. The term "second-foot" sometimes is used synonymously with "cubic foot per second" but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day, [(ft^3/s)/d]) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.98347 acre-feet, 646,317 gallons, or 2,446.6 cubic meters. The daily mean discharges reported in the daily value data tables numerically are equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

Cubic foot per second per square mile [CFSM, (ft^3/s)/mi^2] 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. (See also "Annual runoff")

Daily mean suspended-sediment concentration is the time-weighted mean concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also "Sediment" and "Suspended-sediment concentration")

Daily record station is a site where data are collected with sufficient frequency to develop a record of one or more data values per day. The frequency of data col-

lection can range from continuous recording to data collection on a daily or near-daily basis.

Data collection platform (DCP) is an electronic instrument that collects, processes, and stores data from various sensors, and transmits the data by satellite data relay, line-of-sight radio, and/or landline telemetry.

Data logger is a microprocessor-based data acquisition system designed specifically to acquire, process, and store data. Data usually are downloaded from onsite data loggers for entry into office data systems.

Datum is a surface or point relative to which measurements of height and/or horizontal position are reported. A vertical datum is a horizontal surface used as the zero point for measurements of gage height, stage, or elevation; a horizontal datum is a reference for positions given in terms of latitude-longitude, State Plane coordinates, or Universal Transverse Mercator (UTM) coordinates. (See also "Gage datum," "Land-surface datum," "National Geodetic Vertical Datum of 1929," and "North American Vertical Datum of 1988")

Diatoms *(Bacillariophyta)* are unicellular or colonial algae with a siliceous cell wall. The abundance of diatoms in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter (μm^3/mL). The abundance of diatoms in periphyton samples is given in cells per square centimeter (cells/cm^2) or biovolume per square centimeter ($\mu m^3/cm^2$). (See also "Phytoplankton" and "Periphyton")

Diel is of or pertaining to a 24-hour period of time; a regular daily cycle.

Discharge, or **flow**, is the rate that matter passes through a cross section of a stream channel or other water body per unit of time. The term commonly refers to the volume of water (including, unless otherwise stated, any sediment or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, and so forth, within a given period of time (cubic feet per second). Discharge also can apply to the rate at which constituents, such as suspended sediment, bedload, and dissolved or suspended chemicals, pass through a cross section, in which cases the quantity is expressed as the mass of constituent that passes the cross section in a given period of time (tons per day).

Dissolved refers to that material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal and State agencies that collect water-quality data. Determinations of "dissolved" constituent concentrations are made on sample water that has been filtered.

Dissolved oxygen (DO) is the molecular oxygen (oxygen gas) dissolved in water. The concentration in water is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved-solids concentration. Photosynthesis and respiration by plants commonly cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration in water is the quantity of dissolved material in a sample of water. It 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, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4917 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L $CaCO_3$) can be converted to carbonate concentration by multiplying by 0.60.

Diversity index (H) (Shannon index) is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n},$$

where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area upstream from the location, measured in a horizontal plane, that has a common outlet at the site for its surface runoff from precipitation that normally drains by gravity into a stream. Drainage areas given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the Earth's surface that contains a drainage system with a common outlet for its surface runoff. (See "Drainage area")

Dry mass refers to the mass of residue present after drying in an oven at 105 °C, 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. (See also "Ash mass," "Biomass," and "Wet mass")

Dry weight refers to the weight of animal tissue after it has been dried in an oven at 65 °C until a constant weight is achieved. Dry weight represents total organic and inorganic matter in the tissue. (See also "Wet weight")

Embeddedness is the degree to which gravel-sized and larger particles are surrounded or enclosed by finer-sized particles. (See also "Substrate embeddedness class")

Enterococcus bacteria commonly are found in the feces of humans and other warmblooded 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 that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41 °C on *m*E agar (nutrient medium for bacterial growth) and subsequent transfer to EIA medium. Enterococci include *Streptococcus feacalis, Streptococcus feacium, Streptococcus avium,* and their variants. (See also "Bacteria")

EPT Index is the total number of distinct taxa within the insect orders Ephemeroptera, Plecoptera, and Trichoptera. This index summarizes the taxa richness within the aquatic insects that generally are considered pollution sensitive; the index usually decreases with pollution.

Escherichia coli *(E. coli)* are bacteria present in the intestine and feces of warmblooded animals. *E. coli* are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5 °C on mTEC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Estimated (E) value of a concentration is reported when an analyte is detected and all criteria for a positive result are met. If the concentration is less than the method detection limit (MDL), an E code will be reported with the value. If the analyte is identified qualitatively as present, but the quantitative determination is substantially more uncertain, the National Water Quality Laboratory will identify the result with an E code even though the measured value is greater than the MDL. A value reported with an E code should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less than sign (<). For bacteriological data, concentrations are reported as estimated when results are based on non-ideal colony counts.

Euglenoids (*Euglenophyta*) are a group of algae that usually are free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark. (See also "Phytoplankton")

Extractable organic halides (EOX) are organic compounds that contain halogen atoms such as chlorine. These organic compounds are semivolatile and extractable by ethyl acetate from air-dried streambed sediment. 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 streambed sediment.

Fecal coliform bacteria are present in the intestines or feces of warmblooded animals. They often are used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5 °C plus or minus 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. (See also "Bacteria")

Fecal streptococcal bacteria are present in the intestines of warmblooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35 °C plus or minus 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. (See also "Bacteria")

Filtered pertains to constituents in a water sample passed through a filter of specified pore diameter, most commonly 0.45 micrometer or less for inorganic analytes and 0.7 micrometer for organic analytes.

Filtered, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that has passed through a filter has been extracted. Complete recovery is not achieved by the extraction procedure and thus the analytical determination represents something less than 95 percent of the total constituent concentration in the sample. To achieve comparability of analytical data, equivalent extraction procedures are required of all laboratories performing such analyses because different procedures are likely to produce different analytical results.

Fire algae (*Pyrrhophyta*) are free-swimming unicells characterized by a red pigment spot. (See also “Phytoplankton”)

Flow-duration percentiles are values on a scale of 100 that indicate the percentage of time for which a flow is not exceeded. For example, the 90th percentile of river flow is greater than or equal to 90 percent of all recorded flow rates.

Gage datum is a horizontal surface used as a zero point for measurement of stage or gage height. This surface usually is located slightly below the lowest point of the stream bottom such that the gage height is usually slightly greater than the maximum depth of water. Because the gage datum is not an actual physical object, the datum is usually defined by specifying the elevations of permanent reference marks such as bridge abutments and survey monuments, and the gage is set to agree with the reference marks. Gage datum is a local datum that is maintained independently of any national geodetic datum. However, if the elevation of the gage datum relative to the national datum (North American Vertical Datum of 1988 or National Geodetic Vertical Datum of 1929) has been determined, then the gage readings can be converted to elevations above the national datum by adding the elevation of the gage datum to the gage reading.

Gage height (G.H.) is the water-surface elevation, in feet above the gage datum. If the water surface is below the gage datum, the gage height is negative. Gage height often is used interchangeably with the more general term “stage,” although gage height is more appropriate when used in reference to a reading on a gage.

Gage values are values that are recorded, transmitted, and/or computed from a gaging station. Gage values typically are collected at 5-, 15-, or 30-minute intervals.

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

Gas chromatography/flame ionization detector (GC/FID) is a laboratory analytical method used as a screening technique for semivolatile organic compounds that are extractable from water in methylene chloride.

Geomorphic channel units, as used in this report, are fluvial geomorphic descriptors of channel shape and stream velocity. Pools, riffles, and runs are types of geomorphic channel units considered for National Water-Quality Assessment (NAWQA) Program habitat sampling.

Green algae *(Chlorophyta)* are unicellular or colonial algae with chlorophyll pigments similar to those in terrestrial green plants. Some forms of green algae produce mats or floating “moss” in lakes. The abundance of green algae in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter (μm^3/mL). The abundance of green algae in periphyton samples is given in cells per square centimeter (cells/cm^2) or biovolume per square centimeter ($\mu m^3/cm^2$). (See also “Phytoplankton” and “Periphyton”)

Habitat, as used in this report, includes all nonliving (physical) aspects of the aquatic ecosystem, although living components like aquatic macrophytes and riparian vegetation also are usually included. Measurements of habitat typically are made over a wider geographic scale than are measurements of species distribution.

Habitat quality index is the qualitative description (level 1) of instream habitat and riparian conditions surrounding the reach sampled. Scores range from 0 to 100 percent with higher scores indicative of desirable habitat conditions for aquatic life. Index only applicable to wadable streams.

Hardness of water is a physical-chemical characteristic that commonly is recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations (primarily calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate ($CaCO_3$).

High tide is the maximum height reached by each rising tide. The high-high and low-high tides are the higher and lower of the two high tides, respectively, of each tidal day. See NOAA Web site:

http://www.csc.noaa.gov/text/glossary.html (see "High water")

Hilsenhoff's Biotic Index (HBI) is an indicator of organic pollution that uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

$$HBI = sum\frac{(n)(a)}{N},$$

where *n* is the number of individuals of each taxon, *a* is the tolerance value of each taxon, and *N* is the total number of organisms in the sample.

Horizontal datum (See "Datum")

Hydrologic index stations referred to in this report are continuous-record gaging stations that have been selected as representative of streamflow patterns for their respective regions. Station locations are shown on index maps.

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

Inch (IN., in.), in reference to streamflow, as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were distributed uniformly on it. (See also "Annual runoff")

Instantaneous discharge is the discharge at a particular instant of time. (See also "Discharge")

International Boundary Commission Survey Datum refers to a geodetic datum established at numerous monuments along the United States-Canada boundary by the International Boundary Commission.

Island, as used in this report, is a mid-channel bar that has permanent woody vegetation, is flooded once a year, on average, and remains stable except during large flood events.

Laboratory reporting level (LRL) generally is equal to twice the yearly determined long-term method detection level (LT-MDL). The LRL controls false negative error. The probability of falsely reporting a nondetection for a sample that contained an analyte at a concentration equal to or greater than the LRL is predicted to be less than or equal to 1 percent. The value of the LRL will be reported with a "less than" (<) remark code for samples in which the analyte was not detected. The National Water Quality Laboratory (NWQL) collects quality-control data from selected analytical methods on a continuing basis to determine LT-MDLs and to establish LRLs. These values are reevaluated annually on the basis of the most current quality-control data and, therefore, may change. The LRL replaces the term 'non-detection value' (NDV).

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

Latent heat flux (often used interchangeably with latent heat-flux density) is the amount of heat energy that converts water from liquid to vapor (evaporation) or from vapor to liquid (condensation) across a specified cross-sectional area per unit time. Usually expressed in watts per square meter.

Light-attenuation coefficient, also known as the extinction coefficient, is a measure of water clarity. Light is attenuated according to the Lambert-Beer equation:

$$I = I_o e^{-\lambda L},$$

where I_o is the source light intensity, *I* is the light intensity at length *L* (in meters) from the source, l is the light-attenuation coefficient, and *e* is the base of the natural logarithm. The light-attenuation coefficient is defined as

$$\lambda = -\frac{1}{L}\log_e\frac{I}{I_o}.$$

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils, waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

Long-term method detection level (LT-MDL) is a detection level derived by determining the standard deviation of a minimum of 24 method detection limit (MDL) spike-sample measurements over an extended period of time. LT-MDL data are collected on a continuous basis to assess year-to-year variations in the LT-MDL. The LT-MDL controls false positive error. The chance of falsely reporting a concentration at or greater than the LT-MDL for a sample that did not contain the analyte is predicted to be less than or equal to 1 percent.

Low tide is the minimum height reached by each falling tide. The high-low and low-low tides are the higher

and lower of the two low tides, respectively, of each tidal day. See NOAA Website: *http://www.csc.noaa.gov/text/glossary.html* (see "Low water")

Macrophytes are the macroscopic plants in the aquatic environment. The most common macrophytes are the rooted vascular plants that usually are arranged in zones in aquatic ecosystems and restricted in the area by the extent of illumination through the water and sediment deposition along the shoreline.

Mean concentration of suspended sediment (Daily mean suspended-sediment concentration) is the time-weighted concentration of suspended sediment passing a stream cross section during a given time period. (See also "Daily mean suspended-sediment concentration" and "Suspended-sediment concentration")

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

Mean high or **low tide** is the average of all high or low tides, respectively, over a specific period.

Mean sea level is a local tidal datum. It is the arithmetic mean of hourly heights observed over the National Tidal Datum Epoch. Shorter series are specified in the name; for example, monthly mean sea level and yearly mean sea level. In order that they may be recovered when needed, such datums are referenced to fixed points known as benchmarks. (See also "Datum")

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

Megahertz is a unit of frequency. One megahertz equals one million cycles per second.

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.

Method code is a one-character code that identifies the analytical or field method used to determine a value stored in the National Water Information System (NWIS).

Method detection limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the analyte concentration is greater than zero. It is determined from the analysis of a sample in a given matrix containing the analyte. At the MDL concentration, the risk of a false positive is predicted to be less than or equal to 1 percent.

Method of Cubatures is a method of computing discharge in tidal estuaries based on the conservation of mass equation.

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

Micrograms per gram (UG/G, µg/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per kilogram (UG/KG, µg/kg) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

Micrograms per liter (UG/L, µg/L) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. One microgram per liter is equivalent to 1 part per billion.

Microsiemens per centimeter (US/CM, mS/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 water as the mass (milligrams) of constituent per unit volume (liter) of water. Concentration of suspended sediment also is expressed in milligrams per liter and

is based on the mass of dry sediment per liter of water-sediment mixture.

Minimum reporting level (MRL) is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method.

Miscellaneous site, miscellaneous station, or miscellaneous sampling site is a site where streamflow, sediment, and/or water-quality data or water-quality or sediment samples are collected once, or more often on a random or discontinuous basis to provide better areal coverage for defining hydrologic and water-quality conditions over a broad area in a river basin.

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. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

Multiple-plate samplers 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.

Nanograms per liter (NG/L, ng/L) is a unit expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One million nanograms per liter is equivalent to 1 milligram per liter.

National Geodetic Vertical Datum of 1929 (NGVD 29) is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It formerly was called “Sea Level Datum of 1929” or “mean sea level.” Although the datum was derived from the mean sea level at 26 tide stations**,** it does not necessarily represent local mean sea level at any particular place. *See NOAA Web site: http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88* (See “North American Vertical Datum of 1988”)

Natural substrate refers to any naturally occurring immersed or submersed solid surface, such as a rock or tree, upon which an organism lives. (See also “Substrate”)

Nekton are the consumers in the aquatic environment and consist of large, free-swimming organisms that are capable of sustained, directed mobility.

Nonfilterable refers to the portion of the total residue retained by a filter.

North American Datum of 1927 (NAD 27) is the horizontal control datum for the United States that was defined by a location and azimuth on the Clarke spheroid of 1866.

North American Datum of 1983 (NAD 83) is the horizontal control datum for the United States, Canada, Mexico, and Central America that is based on the adjustment of 250,000 points including 600 satellite Doppler stations that constrain the system to a geocentric origin. NAD 83 has been officially adopted as the legal horizontal datum for the United States by the Federal government.

North American Vertical Datum of 1988 (NAVD 88) is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the United States. This datum was established in 1991 by minimum-constraint adjustment of the Canadian**,** Mexican, and United States first-order terrestrial leveling networks.

Open or **screened interval** is the length of unscreened opening or of well screen through which water enters a well, in feet below land surface.

Organic carbon (OC) is a measure of organic matter present in aqueous solution, suspension, or bottom sediment. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

Organic mass or **volatile mass** of a living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. Organic mass is expressed in the same units as for ash mass and dry mass. (See also “Ash mass,” “Biomass,” and “Dry mass”)

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square 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.

Organochlorine compounds are any chemicals that contain carbon and chlorine. Organochlorine compounds that are important in investigations of water, sediment, and biological quality include certain pesticides and industrial compounds.

Parameter code is a 5-digit number used in the USGS computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent or property.

Partial-record station is a site where discrete measurements of one or more hydrologic parameters are obtained over a period of time without continuous data being recorded or computed. A common example is a crest-stage gage partial-record station at which only peak stages and flows are recorded.

Particle size is the diameter, in millimeters (mm), of a particle determined by sieve or sedimentation methods. The sedimentation method uses the principle of Stokes Law to calculate sediment particle sizes. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube, sedigraph) 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, as used in this report, agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay	>0.00024 - 0.004	Sedimentation
Silt	>0.004 - 0.062	Sedimentation
Sand	>0.062 - 2.0	Sedimentation/sieve
Gravel	>2.0 - 64.0	Sieve
Cobble	>64 - 256	Manual measurement
Boulder	>256	Manual measurement

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

Peak flow (peak stage) is an instantaneous local maximum value in the continuous time series of streamflows or stages, preceded by a period of increasing values and followed by a period of decreasing values. Several peak values ordinarily occur in a year. The maximum peak value in a year is called the annual peak; peaks lower than the annual peak are called secondary peaks. Occasionally, the annual peak may not be the maximum value for the year; in such cases, the maximum value occurs at midnight at the beginning or end of the year, on the recession from or rise toward a higher peak in the adjoining year. If values are recorded at a discrete series of times, the peak recorded value may be taken as an approximation of the true peak, which may occur between the recording instants. If the values are recorded with finite precision, a sequence of equal recorded values may occur at the peak; in this case, the first value is taken as the peak.

Percent composition or **percent of total** 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, weight, mass, or volume.

Percent shading is a measure of the amount of sunlight potentially reaching the stream. A clinometer is used to measure left and right bank canopy angles. These values are added together, divided by 180, and multiplied by 100 to compute percentage of shade.

Periodic-record station is a site where stage, discharge, sediment, chemical, physical, or other hydrologic measurements are made one or more times during a year but at a frequency insufficient to develop a daily record.

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

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

pH of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7.0 standard units are termed “acidic,” and solutions with a pH greater than 7.0 are termed “basic.” Solutions with a pH of 7.0 are neutral. The presence and concentration of many dissolved chemical constituents found in water are affected, in part, by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms also are affected, in part, by the hydrogen-ion activity of water.

Phytoplankton is the plant part of the plankton. They usually are 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 commonly are known as algae. (See also “Plankton”)

Picocurie (PC, pCi) is one-trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields 3.7×10^{10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample.

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

Polychlorinated naphthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCBs) and have been identified in commercial PCB preparations.

Pool, as used in this report, is a small part of a stream reach with little velocity, commonly with water deeper than surrounding areas.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photo-synthetic 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 (carbon method) by the plants.

Primary productivity (carbon method) is expressed as milligrams of carbon per area per unit time [mg C/(m^2/time)] for periphyton and macrophytes or per volume [mg C/(m^3/time)] for phytoplankton. The carbon method defines 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 with unenriched water samples. Unit time may be either the hour or day, depending on the incubation period. (See also “Primary productivity”)

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [mg O/(m^2/time)] for periphyton and macrophytes or per volume [mg O/(m^3/time)] for phytoplankton. The oxygen method defines 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 the hour or day, depending on the incubation period. (See also “Primary productivity”)

Radioisotopes are isotopic forms of elements that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus; for example, ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Reach, as used in this report, is a length of stream that is chosen to represent a uniform set of physical, chemical, and biological conditions within a segment. It is the principal sampling unit for collecting physical, chemical, and biological data.

Recoverable is the amount of a given constituent that is in solution after a representative water sample has been extracted or digested. Complete recovery is not achieved by the extraction or digestion and thus the determination represents something less than 95 percent of the constituent present in the sample. To achieve comparability of analytical data, equivalent extraction or digestion procedures are required of all laboratories performing such analyses because different procedures are likely to produce different analytical results. (See also “Bed material”)

Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or nonexceedance of a specified low flow). The terms “return period” and “recurrence interval” do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100

years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day, 10-year low flow ($7Q_{10}$) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the nonexceedances of the $7Q_{10}$ occur less than 10 years after the previous nonexceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous nonexceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the $7Q_{10}$.

Replicate samples are a group of samples collected in a manner such that the samples are thought to be essentially identical in composition.

Return period (See “Recurrence interval”)

Riffle, as used in this report, is a shallow part of the stream where water flows swiftly over completely or partially submerged obstructions to produce surface agitation.

River mileage is the curvilinear distance, in miles, measured upstream from the mouth along the meandering path of a stream channel in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council and typically is used to denote location along a river.

Run, as used in this report, is a relatively shallow part of a stream with moderate velocity and little or no surface turbulence.

Runoff is the quantity of water that is discharged (“runs off”) from a drainage basin during a given time period. Runoff data may be presented as volumes in acre-feet, as mean discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches. (See also “Annual runoff”)

Salinity is the total quantity of dissolved salts, measured by weight in parts per thousand. Values in this report are calculated from specific conductance and temperature. Seawater has an average salinity of about 35 parts per thousand (for additional information, refer to: Miller, R.L., Bradford, W.L., and Peters, N.E., 1988, Specific conductance: theoretical considerations and application to analytical quality control: U.S. Geological Survey Water-Supply Paper 2311, 16 p.)

Sea level, as used in this report, refers to one of the two commonly used national vertical datums (NGVD 1929 or NAVD 1988). See separate entries for definitions of these datums.

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as “fluvial sediment.” Sediment 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 affected by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Sensible heat flux (often used interchangeably with latent sensible heat-flux density) is the amount of heat energy that moves by turbulent transport through the air across a specified cross-sectional area per unit time and goes to heating (cooling) the air. Usually expressed in watts per square meter.

Seven-day, 10-year low flow ($7Q_{10}$) is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-term average. The recurrence interval of the $7Q_{10}$ is 10 years; the chance that the annual 7-day minimum flow will be less than the $7Q_{10}$ is 10 percent in any given year. (See also “Annual 7-day minimum” and “Recurrence interval”)

Shelves, as used in this report, are streambank features extending nearly horizontally from the flood plain to the lower limit of persistent woody vegetation.

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. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

Soil heat flux (often used interchangeably with soil heat-flux density) is the amount of heat energy that moves by conduction across a specified cross-sectional area of soil per unit time and goes to heating (or cooling) the soil. Usually expressed in watts per square meter.

Soil-water content is the water lost from the soil upon drying to constant mass at 105 °C; expressed either as mass of water per unit mass of dry soil or as the volume of water per unit bulk volume of soil.

Specific electrical conductance (conductivity) is a measure of the capacity of water (or other media) to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific electrical conductance is a function of the types and quantity of dissolved substances in water and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stable isotope ratio (per MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes. Isotope ratios are used in hydrologic studies to determine the age or source of specific water, to evaluate mixing of different water, as an aid in determining reaction rates, and other chemical or hydrologic processes.

Stage (See “Gage height”)

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

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.

Substrate embeddedness class is a visual estimate of riffle streambed substrate larger than gravel that is surrounded or covered by fine sediment (<2 mm, sand or finer). Below are the class categories expressed as the percentage covered by fine sediment:

0	no gravel or larger substrate	3	26-50 percent
1	> 75 percent	4	5-25 percent
2	51-75 percent	5	< 5 percent

Surface area of a lake is that area (acres) encompassed by the boundary of the lake as shown on USGS topographic maps, or other available maps or photographs. Because surface area changes with lake stage, surface areas listed in this report represent those determined for the stage at the time the maps or photographs were obtained.

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

Surrogate is an analyte that behaves similarly to a target analyte, but that is highly unlikely to occur in a sample. A surrogate is added to a sample in known amounts before extraction and is measured with the same laboratory procedures used to measure the target analyte. Its purpose is to monitor method performance for an individual sample.

Suspended is the amount (concentration) of undissolved material in a water-sediment mixture. Most commonly refers to that material retained on a 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-micrometer filter has been extracted or digested. Complete recovery is not achieved by the extraction or digestion procedures and thus the determination represents less than 95 percent of the constituent present in the sample. To achieve comparability of analytical data, equivalent extraction or digestion procedures are required of all laboratories performing such analyses because different procedures are likely to produce different analytical results. (See also “Suspended”)

Suspended sediment is sediment carried in suspension by the turbulent components of the fluid or by the Brownian movement (a law of physics). (See also “Sediment”)

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 foot above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). The analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration. (See also “Sediment” and “Suspended sediment”)

Suspended-sediment discharge (tons/d) is the rate of sediment transport, as measured by dry mass or

volume, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft^3/s) x 0.0027. (See also “Sediment,” “Suspended sediment,” and “Suspended-sediment concentration”)

Suspended-sediment load is a general term that refers to a given characteristic of the material in suspension that passes a point during a specified period of time. The term needs to be qualified, such as “annual suspended-sediment load” or “sand-size suspended-sediment load,” and so on. It is not synonymous with either suspended-sediment discharge or concentration. (See also “Sediment”)

Suspended solids, total residue at 105 °C concentration is the concentration of inorganic and organic material retained on a filter, expressed as milligrams of dry material per liter of water (mg/L). An aliquot of the sample is used for this analysis.

Suspended, total is the total amount of a given constituent in the part of a water-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. 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 directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total concentrations of the constituent. (See also “Suspended”)

Synoptic studies are short-term investigations of specific water-quality conditions during selected seasonal or hydro-logic 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.

Taxa (Species) richness is the number of species (taxa) present in a defined area or sampling unit.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial 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:	Animal
Phylum:	Arthropeda
Class:	Insecta
Order:	Ephemeroptera
Family:	Ephemeridae
Genus:	*Hexagenia*
Species:	*Hexagenia limbata*

Thalweg is the line formed by connecting points of minimum streambed elevation (deepest part of the channel).

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term “temperature recorder” is used in the table descriptions 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 resulting from the mixing of flow proportionally to the duration of the concentration.

Tons per acre-foot (T/acre-ft) is the dry mass (tons) of a constituent per unit volume (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, tons/d) is a common chemical or sediment discharge unit. It is the quantity of a substance in solution, in suspension, or as bedload that passes a stream section during a 24-hour period. It is equivalent to 2,000 pounds per day, or 0.9072 metric ton per day.

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

lytical method determined at least 95 percent of the constituent in the sample.)

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. This group includes coliforms that inhabit the intestine of warmblooded animals and those that inhabit soils. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35 °C. In the laboratory, these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35 °C plus or minus 1.0 °C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 milliliters of sample. (See also “Bacteria”)

Total discharge is the quantity of a given constituent, measured as dry mass or volume, that passes a stream cross section per unit of time. When referring to constituents other than water, this term needs to be qualified, such as “total sediment discharge,” “total chloride discharge,” and so on.

Total in bottom material is the amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as “total in bottom material.”

Total length (fish) is the straight-line distance from the anterior point of a fish specimen’s snout, with the mouth closed, to the posterior end of the caudal (tail) fin, with the lobes of the caudal fin squeezed together.

Total load refers to all of a constituent in transport. When referring to sediment, it includes suspended load plus bed load.

Total organism count is the number of organisms collected and enumerated in any particular sample. (See also “Organism count/volume”)

Total recoverable is the amount of a given constituent in a whole-water sample after a 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 for whole-water samples, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures may produce different analytical results.

Total sediment discharge is the mass of suspended-sediment plus bed-load transport, measured as dry weight, that passes a cross section in a given time. It is a rate and is reported as tons per day. (See also “Bedload,” “Bedload discharge,” “Sediment,” “Suspended sediment,” and “Suspended-sediment concentration”)

Total sediment load or **total load** is the sediment in transport as bedload and suspended-sediment load. The term may be qualified, such as “annual suspended-sediment load” or “sand-size suspended-sediment load,” and so on. It differs from total sediment discharge in that load refers to the material, whereas discharge refers to the quantity of material, expressed in units of mass per unit time. (See also “Sediment,” “Suspended-sediment load,” and “Total load”)

Transect, as used in this report, is a line across a stream perpendicular to the flow and along which measurements are taken, so that morphological and flow characteristics along the line are described from bank to bank. Unlike a cross section, no attempt is made to determine known elevation points along the line.

Turbidity is an expression of the optical properties of a liquid that causes light rays to be scattered and absorbed rather than transmitted in straight lines through water. Turbidity, which can make water appear cloudy or muddy, is caused by the presence of suspended and dissolved matter, such as clay, silt, finely divided organic matter, plankton and other microscopic organisms, organic acids, and dyes (ASTM International, 2003, D1889–00 Standard test method for turbidity of water, *in* ASTM International, Annual Book of ASTM Standards, Water and Environmental Technology, v. 11.01: West Conshohocken, Pennsylvania, 6 p.). The color of water, whether resulting from dissolved compounds or suspended particles, can affect a turbidity measurement. To ensure that USGS turbidity data can be understood and interpreted properly within the context of the instrument used and site conditions encountered, data from each instrument type are stored and reported in the National Water Information System (NWIS) using parameter codes and measurement reporting units that are specific to the instrument

type, with specific instruments designated by the method code. The respective measurement units, many of which also are in use internationally, fall into two categories: (1) the designations NTU, NTRU, BU, AU, and NTMU signify the use of a broad spectrum incident light in the wavelength range of 400-680 nanometers (nm), but having different light detection configurations; (2) The designations FNU, FNRU, FBU, FAU, and FNMU generally signify an incident light in the range between 780-900 nm, also with varying light detection configurations. These reporting units are equivalent when measuring a calibration solution (for example, formazin or polymer beads), but their respective instruments may not produce equivalent results for environmental samples. Specific reporting units are as follows:

NTU (Nephelometric Turbidity Units): white or broadband [400-680 nm] light source, 90 degree detection angle, one detector.

NTRU (Nephelometric Turbidity Ratio Units): white or broadband [400-680 nm] light source, 90 degree detection angle, multiple detectors with ratio compensation.

BU (Backscatter Units): white or broadband [400-680 nm] light source, 30 ± 15 degree detection angle (backscatter).

AU (Attenuation Units): white or broadband [400-680 nm] light source, 180 degree detection angle (attenuation).

NTMU (Nephelometric Turbidity Multibeam Units): white or broadband [400-680 nm] light source, multiple light sources, detectors at 90 degrees and possibly other angles to each beam.

FNU (Formazin Nephelometric Units): near infrared [780-900 nm] or monochrome light source, 90 degree detection angle, one detector.

FNRU (Formazin Nephelometric Ratio Units): near infrared [780-900 nm] or monochrome light source, 90 degree detection angle, multiple detectors, ratio compensation.

FBU (Formazin Backscatter Units): near infrared [780-900 nm] or monochrome light source, 30±15 degree detection angle.

FAU (Formazin Attenuation Units): near infrared [780-900 nm] light source, 180 degree detection angle.

FNMU (Formazin Nephelometric Multibeam Units): near infrared [780-900 nm] or monochrome light source, multiple light sources, detectors at 90 degrees and possibly other angles to each beam.

For more information please see http://water.usgs.gov/owq/FieldManual/Chapter6/6.7_contents.html.

Ultraviolet (UV) absorbance (absorption) at 254 or 280 nanometers is a measure of the aggregate concentration of the mixture of UV absorbing organic materials dissolved in the analyzed water, such as lignin, tannin, humic substances, and various aromatic compounds. UV absorbance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of path length of UV light through a sample.

Unconfined aquifer is an aquifer whose upper surface is a water table free to fluctuate under atmospheric pressure. (See “Water-table aquifer”)

Unfiltered pertains to the constituents in an unfiltered, representative water-suspended sediment sample.

Unfiltered, recoverable is the amount of a given constituent in a representative water-suspended sediment sample that has been extracted or digested. Complete recovery is not achieved by the extraction or digestion treatment and thus the determination represents less than 95 percent of the constituent present in the sample. To achieve comparability of analytical data, equivalent extraction or digestion procedures are required of all laboratories performing such analyses because different procedures are likely to produce different analytical results.

Vertical datum (See “Datum”)

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 human-made chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They often are 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.

Water table is that surface in a ground-water body at which the water pressure is equal to the atmospheric pressure.

Water-table aquifer is an unconfined aquifer within which the water table is found.

Water year in USGS 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, 2002, is called the “2002 water year.”

Watershed (See “Drainage basin”)

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 in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

Wet mass is the mass of living matter plus contained water. (See also “Biomass” and “Dry mass”)

Wet weight refers to the weight of animal tissue or other substance including its contained water. (See also “Dry weight”)

WSP is used as an acronym for “Water-Supply Paper” in reference to previously published reports.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column and often are 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. (See also “Plankton”)

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

The USGS publishes a series of manuals, the Techniques of Water-Resources Investigations, 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.

Reports in the Techniques of Water-Resources Investigations series, which are listed below, are online at http://water.usgs.gov/pubs/twri/. Printed copies are for sale by the USGS, Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office), telephone 1-888-ASK-USGS. Please telephone 1-888-ASK-USGS for current prices, and refer to the title, book number, chapter number, and mention the "U.S. Geological Survey Techniques of Water-Resources Investigations." Products can then be ordered by telephone, or online at http://www.usgs.gov/sales.html, or by FAX to (303)236-469 of an order form available online at http://mac.usgs.gov/isb/pubs/forms/. Prepayment by major credit card or by a check or money order payable to the "U.S. Geological Survey" is required.

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 p.

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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 p.

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

Section E. Subsurface Geophysical Methods

2–E1. *Application of borehole geophysics to water-resources investigations,* by W.S. Keys and L.M. MacCary: USGS–TWRI book 2, chap. E1. 1971. 126 p.

2–E2. *Borehole geophysics applied to ground-water investigations,* by W.S. Keys: USGS–TWRI book 2, chap. E2. 1990. 150 p.

Section F. Drilling and Sampling Methods

2–F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W.E. Teasdale: USGS–TWRI book 2, chap. F1. 1989. 97 p.

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

3–A1. *General field and office procedures for indirect discharge measurements,* by M.A. Benson and Tate Dalrymple: USGS–TWRI book 3, chap. A1. 1967. 30 p.

3–A2. *Measurement of peak discharge by the slope-area method,* by Tate Dalrymple and M.A. Benson: USGS–TWRI book 3, chap. A2. 1967. 12 p.

3–A3. *Measurement of peak discharge at culverts by indirect methods,* by G.L. Bodhaine: USGS–TWRI book 3, chap. A3. 1968. 60 p.

3–A4. *Measurement of peak discharge at width contractions by indirect methods,* by H.F. Matthai: USGS-TWRI book 3, chap. A4. 1967. 44 p.

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3–A6. *General procedure for gaging streams,* by R.W. Carter and Jacob Davidian: USGS–TWRI book 3, chap. A6. 1968. 13 p.

3–A7. *Stage measurement at gaging stations,* by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A7. 1968. 28 p.

3–A8. *Discharge measurements at gaging stations,* by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A8. 1969. 65 p.

3–A9. *Measurement of time of travel in streams by dye tracing,* by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS–TWRI book 3, chap. A9. 1989. 27 p.

3–A10. *Discharge ratings at gaging stations,* by E.J. Kennedy: USGS–TWRI book 3, chap. A10. 1984. 59 p.

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3–A12. *Fluorometric procedures for dye tracing*, Revised, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS–TWRI book 3, chap. A12. 1986. 34 p.

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3–A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS–TWRI book 3, chap. A19. 1990. 31 p.

3–A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS–TWRI book 3, chap. A20. 1993. 38 p.

3–A21 *Stream-gaging cableways,* by C. Russell Wagner: USGS–TWRI book 3, chap. A21. 1995. 56 p.

Section B. Ground-Water Techniques

3B1. *Aquifer-test design, observation, and data analysis,* by R.W. Stallman: USGS–TWRI book 3, chap. B1. 1971. 26 p.

3–B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G.D. Bennett: USGS–TWRI book 3, chap. B2. 1976. 172 p.

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3–B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems—An introduction*, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS–TWRI book 3, chap. B5. 1987. 15 p.

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3–B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow,* by E.J. Wexler: USGS–TWRI book 3, chap. B7. 1992. 190 p.

3–B8. *System and boundary conceptualization in ground-water flow simulation,* by T.E. Reilly: USGS–TWRI book 3, chap. B8. 2001. 29 p.

Section C. Sedimentation and Erosion Techniques

3–C1. *Fluvial sediment concepts,* by H.P. Guy: USGS–TWRI book 3, chap. C1. 1970. 55 p.

3–C2. *Field methods for measurement of fluvial sediment*, by T.K. Edwards and G.D. Glysson: USGS–TWRI book 3, chap. C2. 1999. 89 p.

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Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

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Section D. Interrelated Phases of the Hydrologic Cycle

4–D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS–TWRI book 4, chap. D1. 1970. 17 p.

Book 5. Laboratory Analysis

Section A. Water Analysis

5–A1. *Methods for determination of inorganic substances in water and fluvial sediments,* by M.J. Fishman and L.C. Friedman, editors: USGS–TWRI book 5, chap. A1. 1989. 545 p.

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Book 6. Modeling Techniques

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6–A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS–TWRI book 6, chap. A1. 1988. 586 p.

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6–A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions,* by R.L. Cooley: USGS–TWRI book 6, chap. A4. 1992. 108 p.

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6–A7. *User's guide to SEAWAT: A computer program for simulation of three-dimensional variable-density ground-water flow*, by Weixing Guo and Christian D. Langevin: USGS–TWRI book 6, chap. A7, 2002. 77 p.

Book 7. Automated Data Processing and Computations

Section C. Computer Programs

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7–C3. *A model for simulation of flow in singular and interconnected channels,* by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS–TWRI book 7, chap. C3. 1981. 110 p.

Book 8. Instrumentation

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8–A3. *Use of submersible pressure transducers in water-resources investigations*, by L.A. Freeman, M.C. Carpenter, D.O. Rosenberry, J.P. Rousseau, Randy Unger, and John S. McLean: USGS–TWRIBook 8, Chapter A3, 2004.

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8–B2. *Calibration and maintenance of vertical-axis type current meters,* by G.F. Smoot and C.E. Novak: USGS–TWRI book 8, chap. B2. 1968. 15 p.

Book 9. Handbooks for Water-Resources Investigations

Section A. National Field Manual for the Collection of Water-Quality Data

9–A1. *National field manual for the collection of water-quality data: Preparations for water sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A1. 2005.

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9–A6. *National field manual for the collection of water-quality data: Field measurements*, edited by F.D. Wilde: USGS–TWRI book 9, chap. A6. Variously dated. Variously paginated.

9–A7. *National field manual for the collection of water-quality data: Biological indicators*, edited by D.N. Myers and F.D. Wilde: USGS–TWRI book 9, chap. A7. 1997 and 1999. Variously paginated.

9–A8. *National field manual for the collection of water-quality data: Bottom-material samples*, by D.B. Radtke: USGS–TWRI book 9, chap. A8. 2005.

9–A9. *National field manual for the collection of water-quality data: Safety in field activities*, by S.L. Lane and R.G. Fay: USGS–TWRI book 9, chap. A9. 1997. 60 p.

TABLE 3.--Sites in Alabama by basin and figure number.

(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 headnote)	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 GA 280 near Columbus, GA	Muscogee Ga.-Russell	02341505	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
Choctawhatchee River near Bellwood	Geneva	02361500	31°09’33”/85°47’04”	Q, G	4
Choctawhatchee River near Geneva	Geneva	02362000	31°02’28”/85°51’08”	G	4
Little Double Bridges Creek near Enterprise	Coffee	02362240	31°16’20”/85°57’30”	Q	4
Pea River near Ariton	Dale	02363000	31°35’41”/85°46’59”	Q	4
Pea River at Elba	Coffee	02364000	31°24’48”/86°03’47”	G	4
Pea River near Samson	Geneva	02364500	31°06’45”/86°05’58”	Q	4
BLACKWATER RIVER BASIN					
Blackwater River near Bradley	Escambia	02369800	31°01’39”/86°42’36”	Q	4
ESCAMBIA RIVER BASIN					
Conecuh River at Brantley	Crenshaw	02371500	31°34’24”/86°15’06”	Q	5
Patsaliga Creek near Brantley	Crenshaw	02372250	31°35’46”/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
Conecuh River at River Falls	Covington	02372430	31°20’53”/86°31’46”	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, G	5
Big Escambia Creek near Stanley Crossroads	Escambia	02374950	31°07’46”/87°22’14”	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	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	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 Willis Creek near Fort Payne	DeKalb	02400680	34°26’17”/85°46’02”	Q	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

Station name	County	Station number	Lat/Long	Type (see headnote)	Fig.
H. Neely Henry Reservoir near Gadsden	Calhoun	02401620	33°47’02”/86°03’10”	L	6
Choccollocco Creek near Boiling Spring	Calhoun	02403310	33°36’07”/85°47’07”	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
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 below Tallapoosa, GA	Haralson Co., Ga.	02411930	33°44’27”/85°20’11”	Q	7
Tallapoosa River near Heflin	Cleburne	02412000	33°37’22”/85°30’48”	Q	7
Little Tallapoosa River below Bowdon, GA	Carroll Co., Ga.	02413210	33°29’34”/85°16’45”	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
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
Lake Martin near Tallassee	Tallapoosa	02417500	32°40’41”/85°54’30”	L	7
Sougahatchee Creek near Loachapoka	Lee	02418230	32°37’36”/85°35’17”	Q	7
Tallapoosa River below Tallassee	Tallapoosa	02418500	32°33’15”/85°53’21”	Q	7
Chewacla Creek near Auburn	Lee	02418760	32°32’53”/85°28’50”	Q	7
Uphapee Creek near Tuskegee	Macon	02419000	32°28’36”/85°41’42”	Q	7
Tallapoosa River at Milstead	Elmore	02419500	32°26’56”/85°53’51”	G	7
Tallapoosa River near Montgomery	Montgomery	02419890	32°26’23”/86°11’44”	Q, G	7
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”	Q,G	8
Catoma Creek near Montgomery	Montgomery	02421000	32°18’26”/86°17’58”	Q	8
Alabama River below R.F. Henry L & D near Benton	Lowndes	02421351	32°19’20”/86°47’02”	G	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
Cahaba River near Mountain Brook	Jefferson	02423380	33°28’54”/86°42’46”	Q	9
Little Cahaba River below Leeds	Jefferson	02423397	33°32’04”/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 at Cahaba Beach nr. Cahaba Heights	Shelby	02423414	33°26’23”/86°41’56”	Q	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 Cross Creek Road at Pelham	Shelby	0242354750	33°18’48”/86°48’23”	Q, QW, S	9
Cahaba River near Helena	Shelby	02423555	33°17’04”/82°52’57”	Q	9
Shades Creek near Homewood	Jefferson	02423586	33°26’55”/86°48’49”	Q	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	9
Cahaba River near Suttle	Perry	02424590	32°31’45”/87°11’56”	Q	9
Cahaba River near Marion Junction	Dallas	02425000	32°26’38”/87°10’49”	Q	9
Pine Barren Creek near Snow Hill	Wilcox	02427250	31°59’46”/87°04’06”	Q	8
Alabama River below Millers Ferry L & D near Camden	Wilcox	02427506	32°06’00”/87°23’52”	G	8
Alabama River at Claiborne L&D near Monroeville	Monroe	02428400	31°36’54”/87°33’02”	Q	8
Ala. River below Claiborne L&D near Monroeville	Monroe	02428401	31°36’48”/87°33’02”	G	8

Station name	County	Station number	Lat/Long	Type (see headnote)	Fig.
Alabama River at Claiborne	Monroe	02429500	31°32’48”/87°30’45”	QW, S	8
Alabama River at Choctaw Bluff	Clarke	02429540	31°21’49”/87°45’54”	G	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”	Q	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, S	10
Tombigbee River near Cochrane	Pickens	02444500	33°04’52”/88°14’16”	G	10
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°52’19”/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	11
Locust Fork near Cleveland	Blount	02455000	34°01’28”/86°34’27”	Q	12
Locust Fork near Warrior	Jefferson	02455900	33°48’30”/86°48’04”	Q	12
Turkey Creek at Sewage Plant near Pinson	Jefferson	02455980	33°42’40”/86°41’46”	Q, QWC	12
Turkey Creek at Morris	Jefferson	02456000	33°44’25”/86°48’45”	Q	12
Locust Fork at Sayre	Jefferson	02456500	33°42’35”/86°59’00”	Q	12
Fivemile Creek at Ketona	Jefferson	02457000	33°36’05”/86°45’20”	Q, QW	12
Fivemile Creek near Republic	Jefferson	02457595	33°35’49”/86°52’05”	Q, QW, 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 North at Roebuck	Jefferson	02458148	33°34’37”/86°43’08”	Q	12
Village Creek at Apalachee Street in 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 at Center Street at Birmingham	Jefferson	02461130	33°30’20”/86°50’12”	Q	13
Valley Creek near Bessemer	Jefferson	02461500	33°25’09”/86°58’58”	Q	13
Valley Creek below Bessemer	Jefferson	02461640	33°23’59”/86°59’36”	Q	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	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
North River near Samantha	Tuscaloosa	02464000	33°28’45”/87°35’50”	Q	13
Turkey Creek near Tuscaloosa	Tuscaloosa	02464146	33°24’48”/87°30’38”	Q	13
Binion Creek below Gin Creek near Samantha	Tuscaloosa	02464360	33°25’29”/87°38’33”	Q	13
Lake Tuscaloosa near Tuscaloosa	Tuscaloosa	02464800	33°16’02”/87°30’22”	G	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 Wastewater Plant at Tuscaloosa	Tuscaloosa	02465292	33°10’29”/87°33’53”	Q	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

Station name	County	Station number	Lat/Long	Type (see headnote)	Fig.
Black Warrior River below Selden L&D near Eutaw	Hale	02466031	32°46’38”/87°50’29”	G	13
Tombigbee River at Demopolis L&D near Coatopa	Marengo	02467000	32°31’10”/87°52’42”	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	14
Tombigbee River at Coffeeville L&D near Coffeeville	Choctaw	02469761	31°45’30”/88°07’45”	Q	14
Tombigbee River bel Coffeevile L&D near Coffeeville	Choctaw	02469762	31°45’25”/88°07’30”	G, QW, S	14
Harris Creek near Campbell	Clarke	02469795	31°53’53”/88°00’44”	C	14
Satilpa Creek near Coffeeville	Clarke	02469800	31°44’39”/88°01’21”	Q	14
Tombigbee River near Leroy	Washington	02470050	31°29’09”/87°54’32”	G	14
Bassett Creek at U.S. Highway 43 near Thomasville	Clarke	02470072	31°51’50”/87°44’50”	Q	14
Mobile River at River Mile 31 at Bucks	Mobile	02470629	31°00’56”/88°01’15”	Q, G	15
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	15
Fowl River at Half Mile Road near Laurendine	Mobile	02471078	30°30’02”/88°10’53”	Q	15
PASCAGOULA RIVER BASIN					
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°20’02”	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
J.B. Converse Reservoir (Hamilton Creek) nr Semmes	Mobile	02480004	30°43’15”/88°18’15”	G, QW	16
TENNESSEE RIVER BASIN					
Scarham Creek near McVille	Marshall	03573182	34°17’54”/86°07’00	Q	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
Hester Creek near Plevna	Madison	0357479650	34°57’39”/86°27’49”	Q, QW, S	18
Flint River at Brownsboro	Madison	03575100	34°44’57”/86°26’48”	Q, QW, S	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”	Q	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”	FH	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
Broglan Branch at Oakwood Ave at Huntsville	Madison	0357591500	34°44’58”/86°37’31”	FH	18
Broglan 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
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”	Q, G	19
Tennessee River at Smithsonia	Lauderdale	03590680	34°47’20”/87°53’10”	G	19

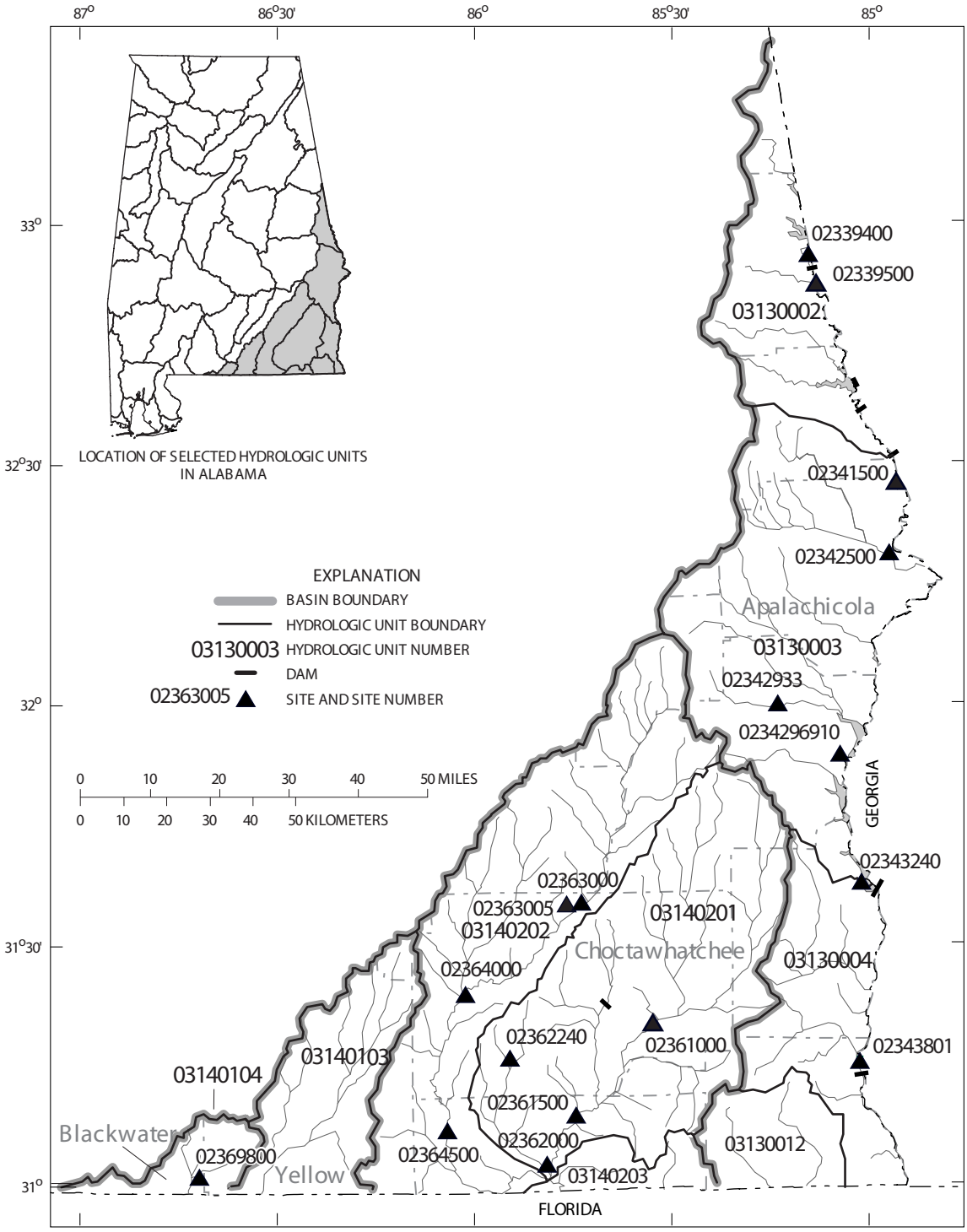


Figure 4. Location of surface-water stations in Apalachicola, Choctawhatchee, Yellow, and Blackwater River basins.

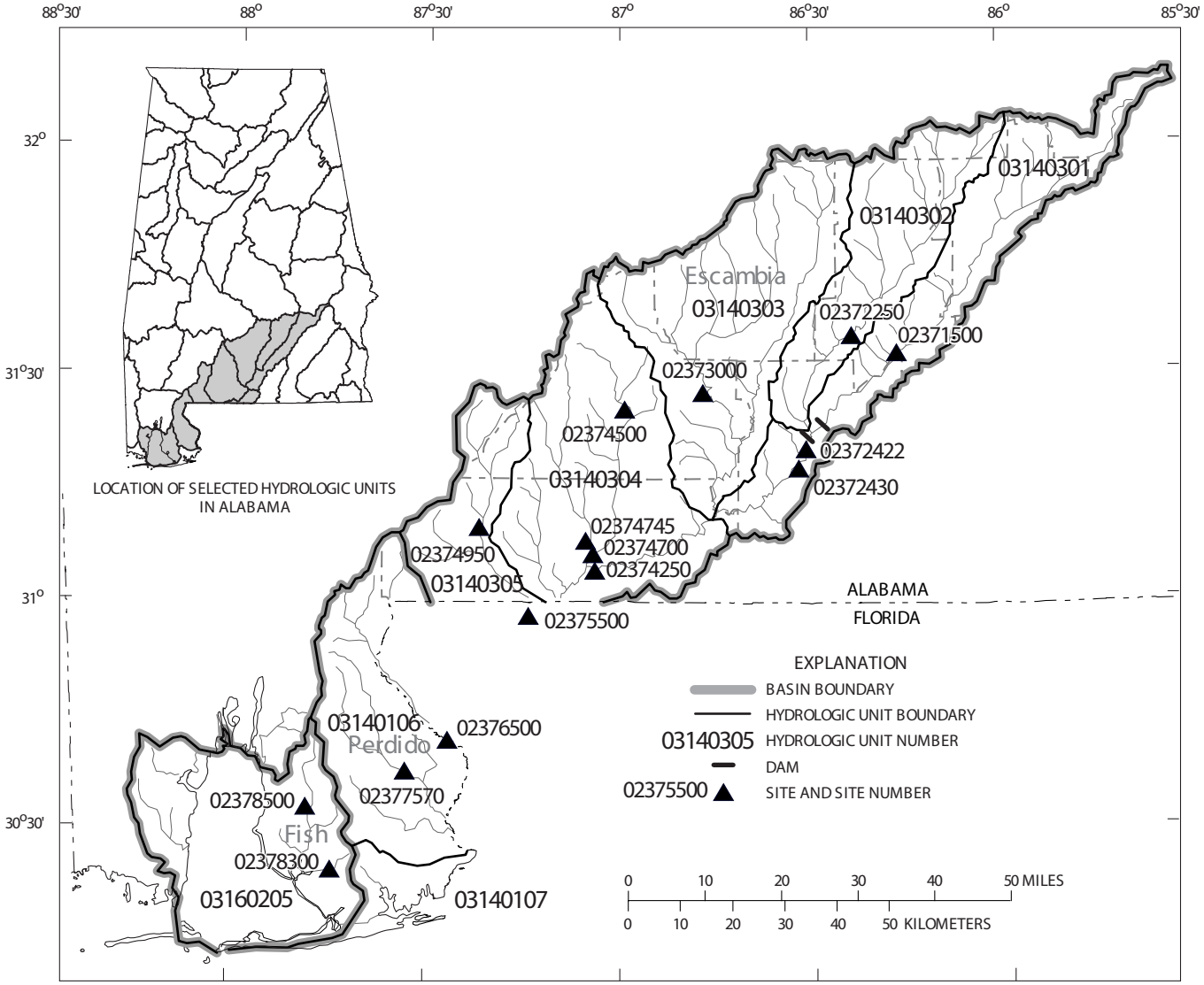


Figure 5. Location of surface-water stations in Escambia, Perdido, and Fish River basins.

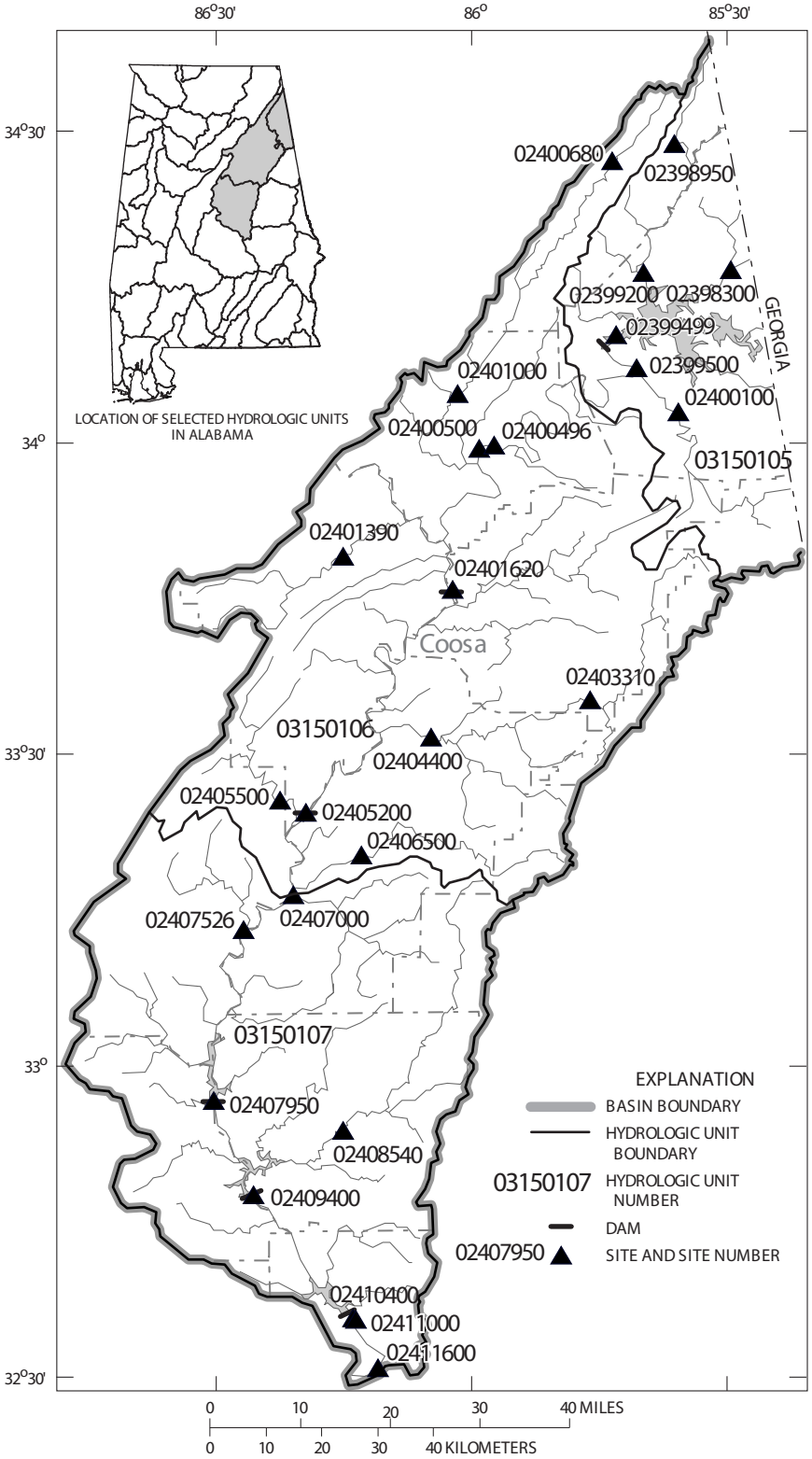


Figure 6. Location of surface-water stations in Coosa River basin.

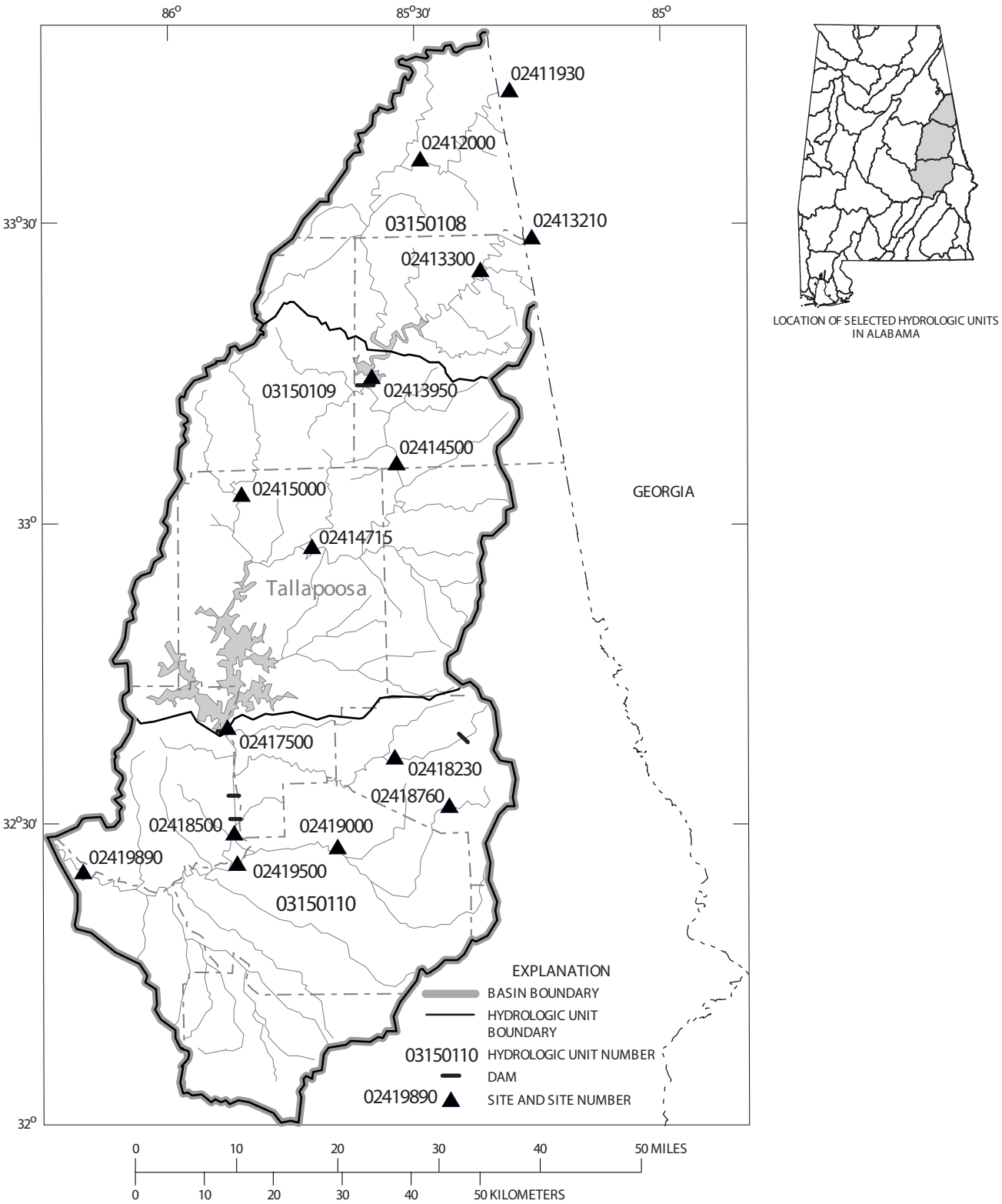


Figure 7. Location of surface-water stations in Tallapoosa River basin.

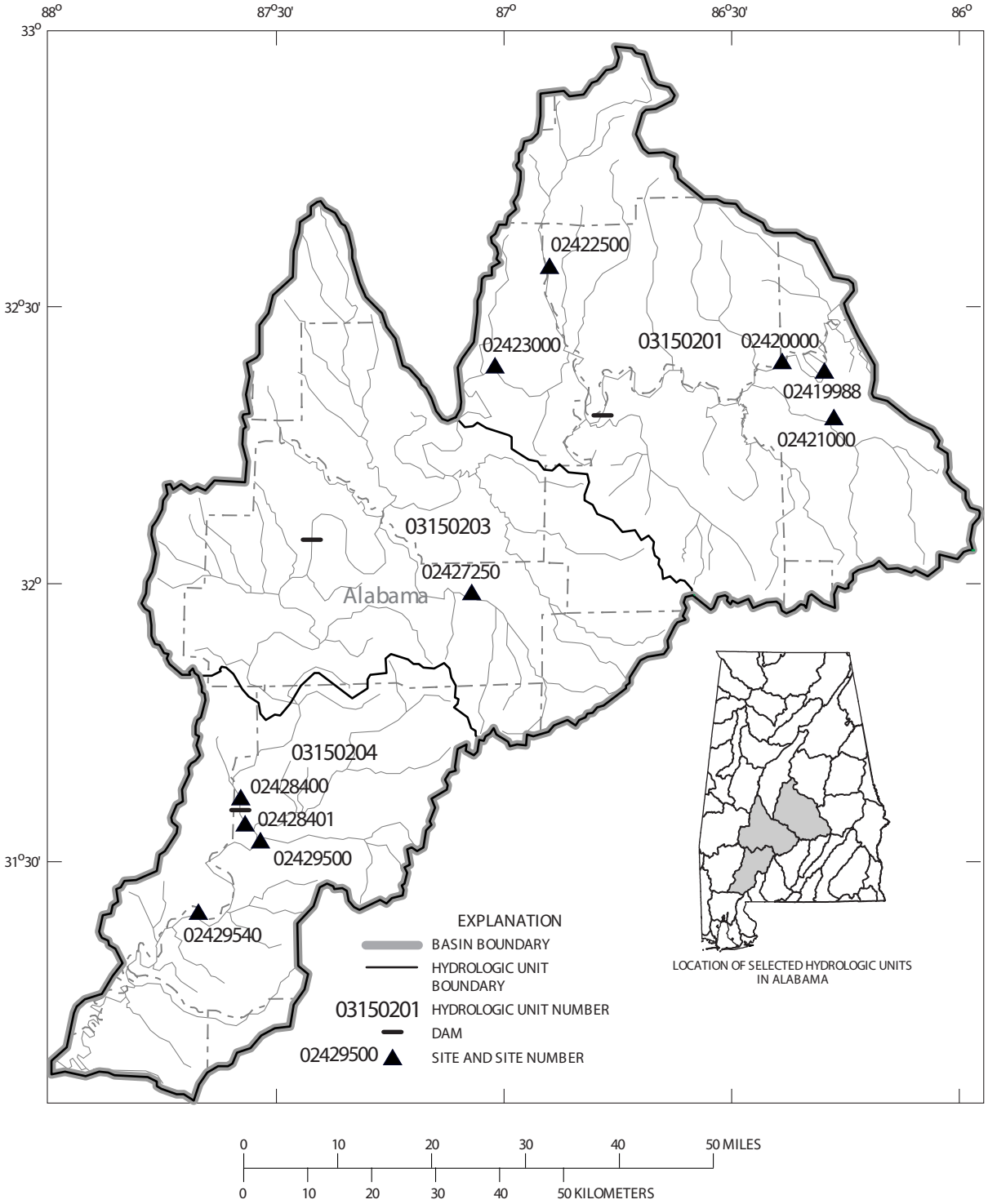


Figure 8. Location of surface-water stations in Alabama River basin.

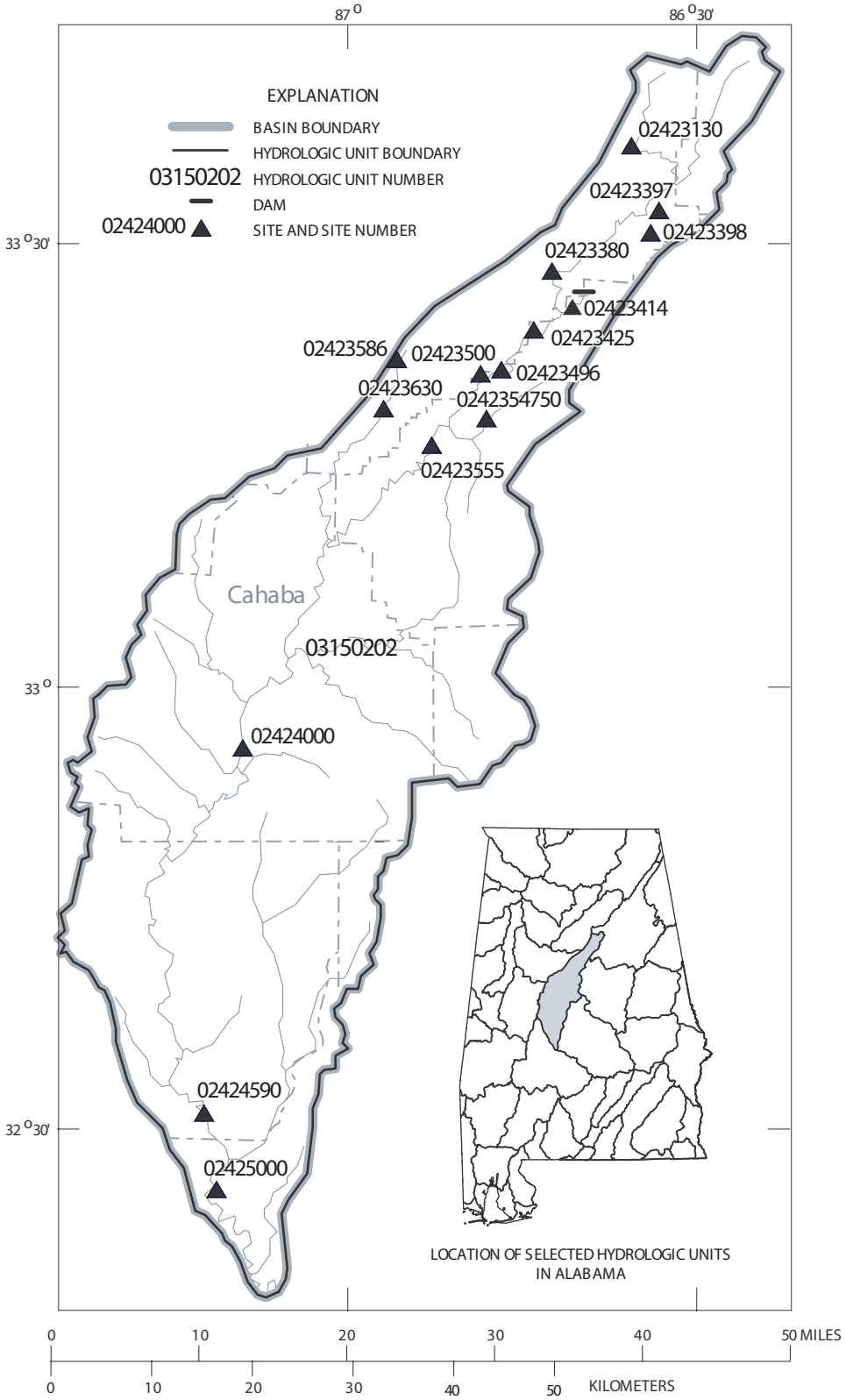


Figure 9. Location of surface-water stations in Cahaba River basin.

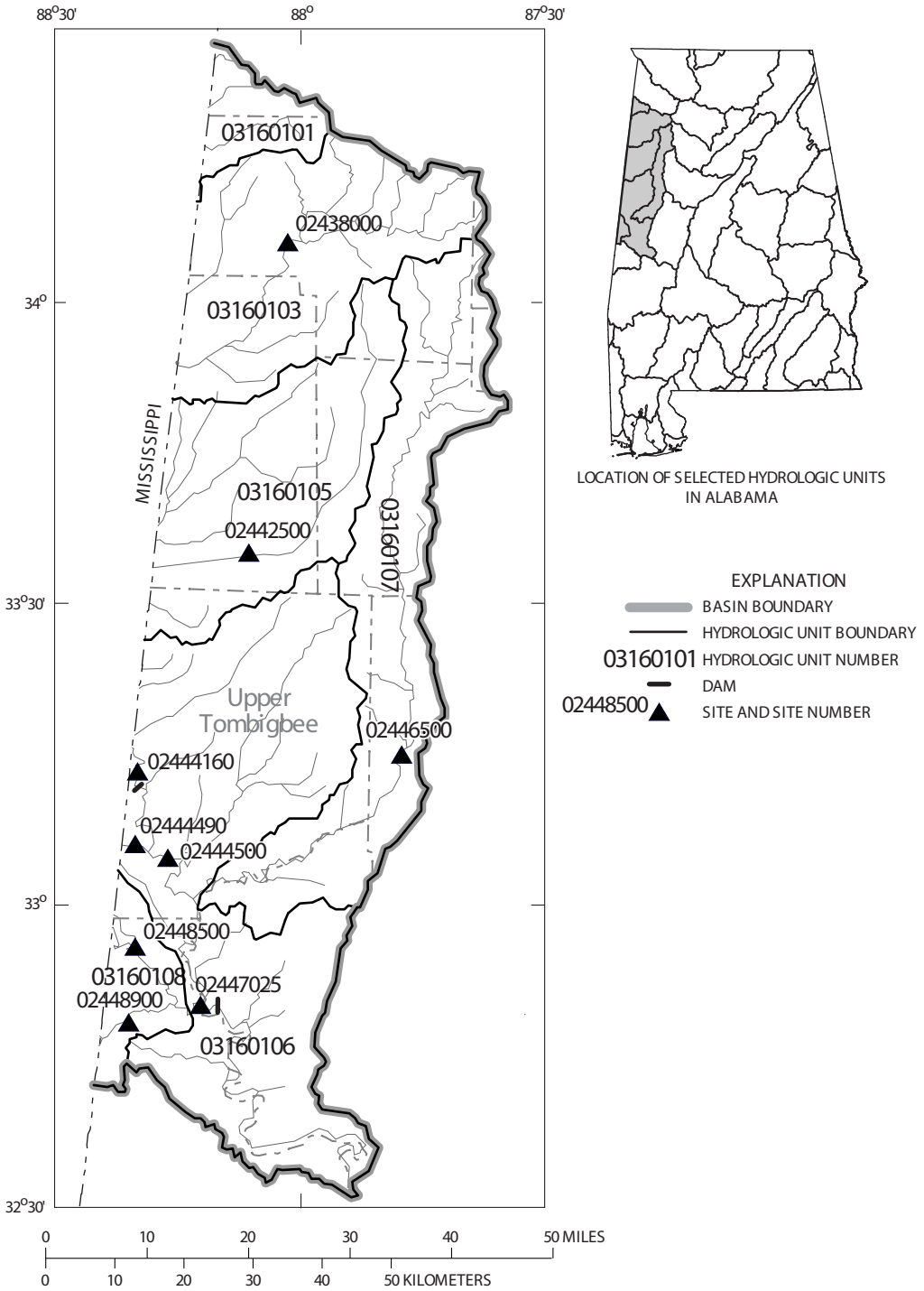


Figure 10. Location of surface-water stations in Upper Tombigbee River basin.

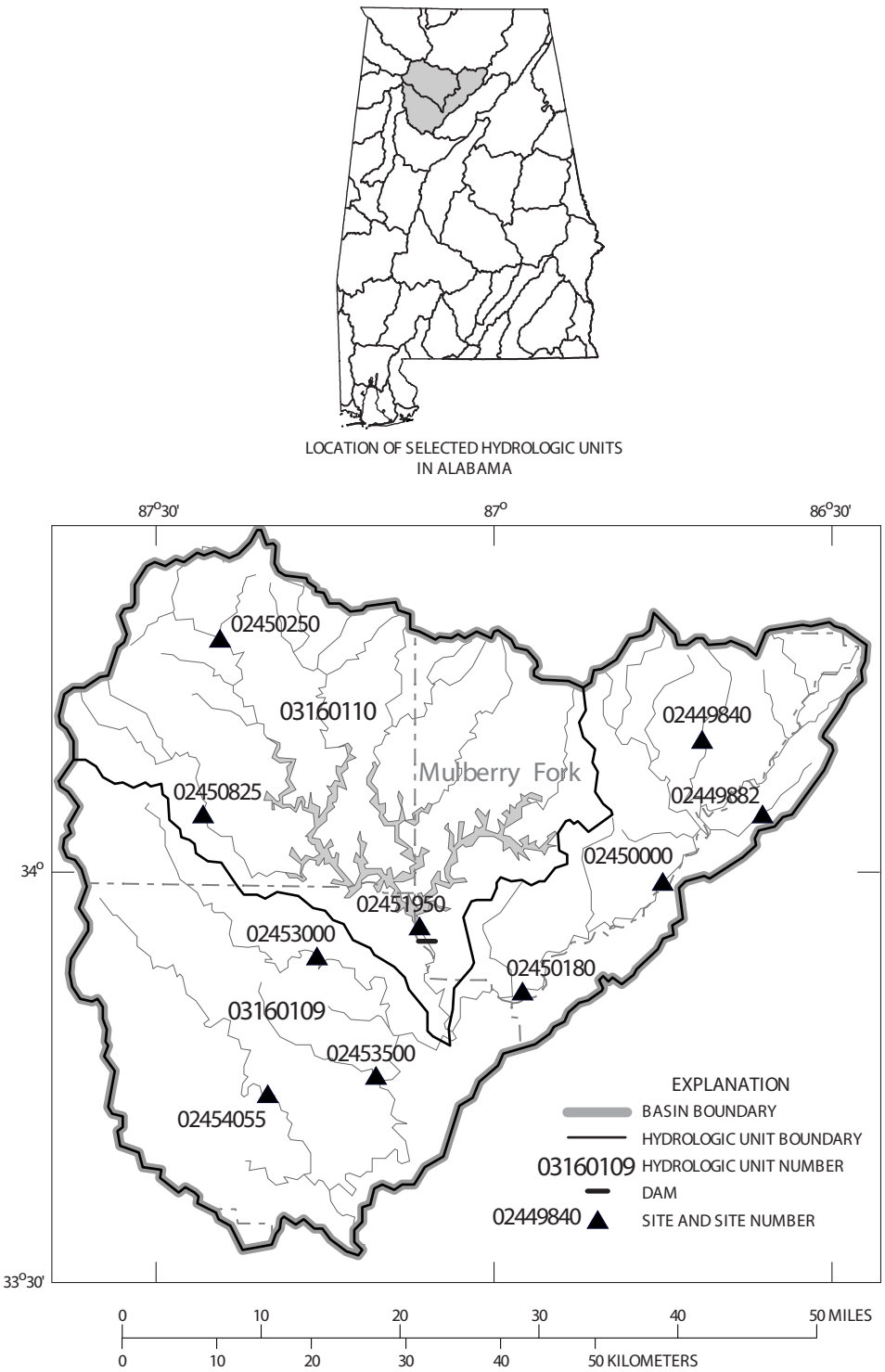


Figure 11. Location of surface-water stations in Mulberry Fork River basin.

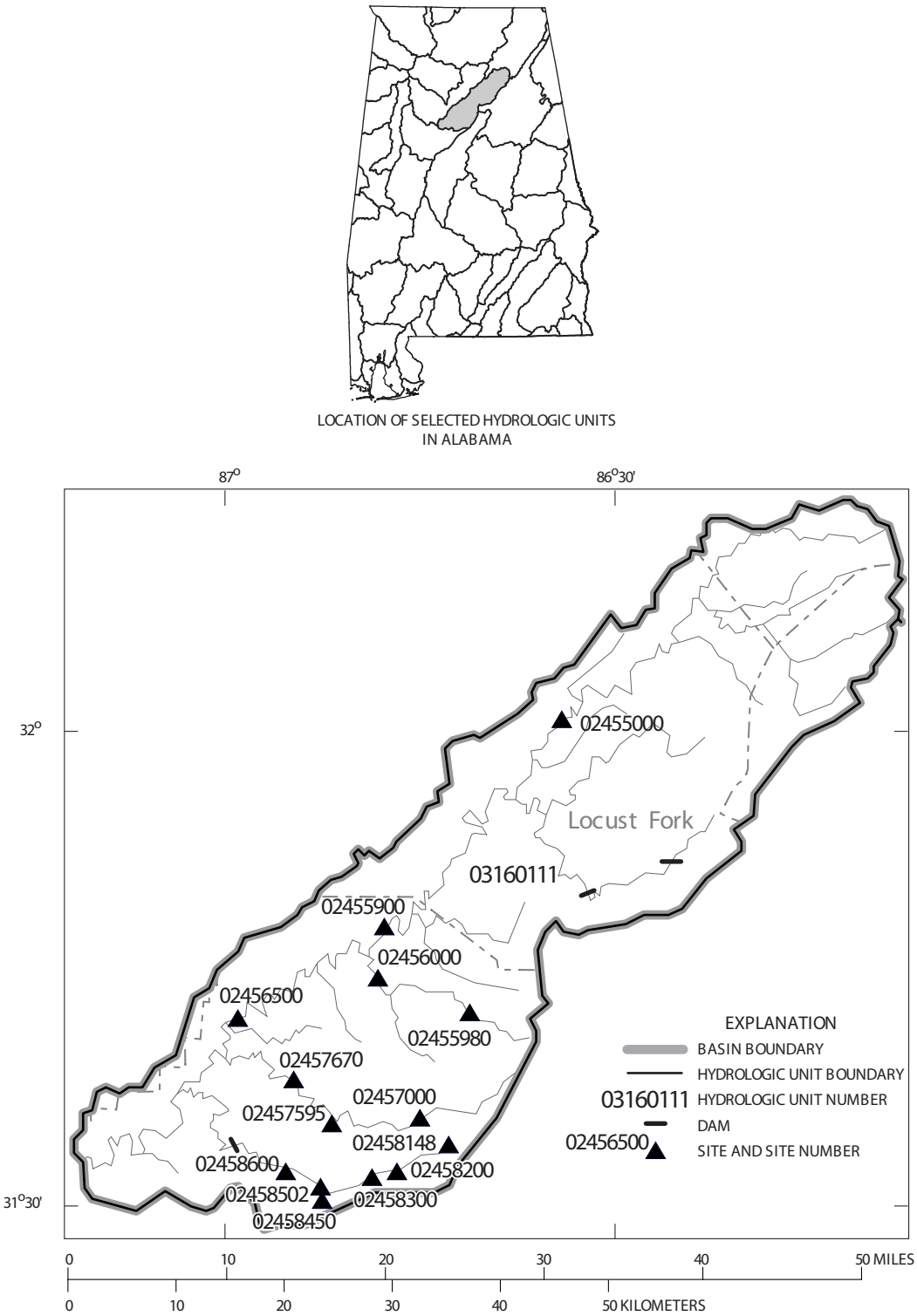


Figure 12. Location of surface-water stations in Locust Fork River basin.

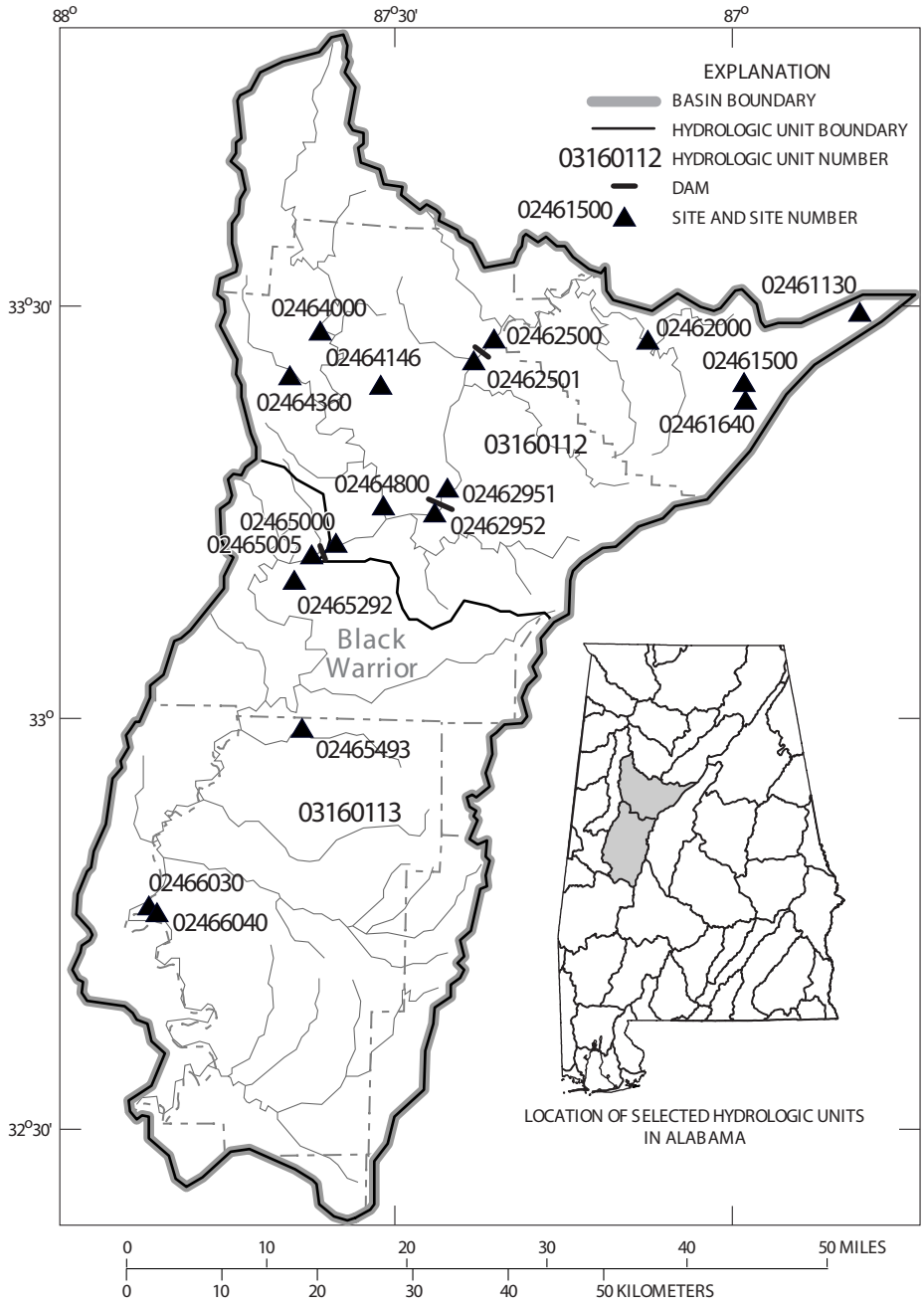


Figure 13. Location of surface-water stations in Black Warrior River basin.

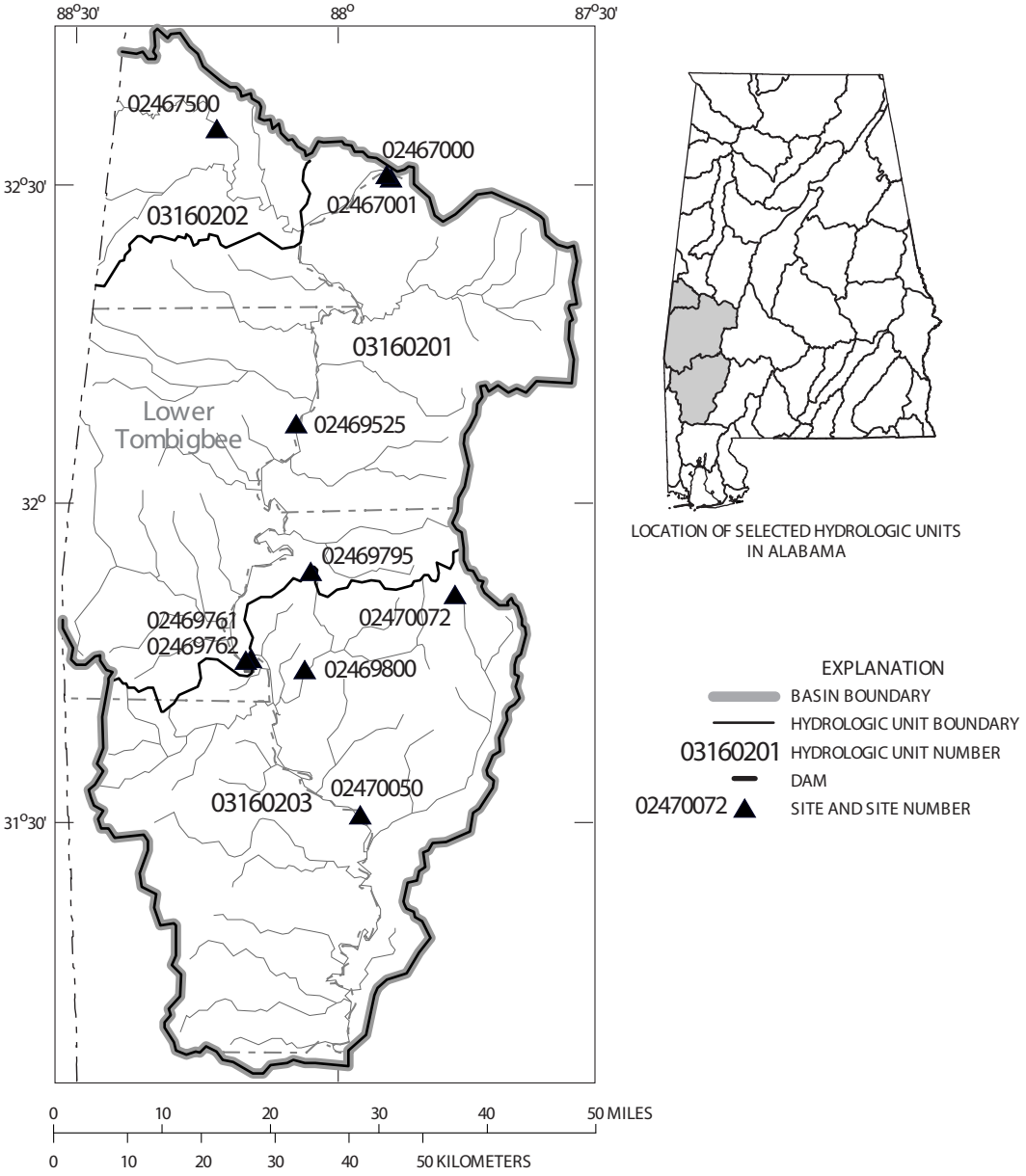


Figure 14. Location of surface-water stations in Lower Tombigbee River basin.

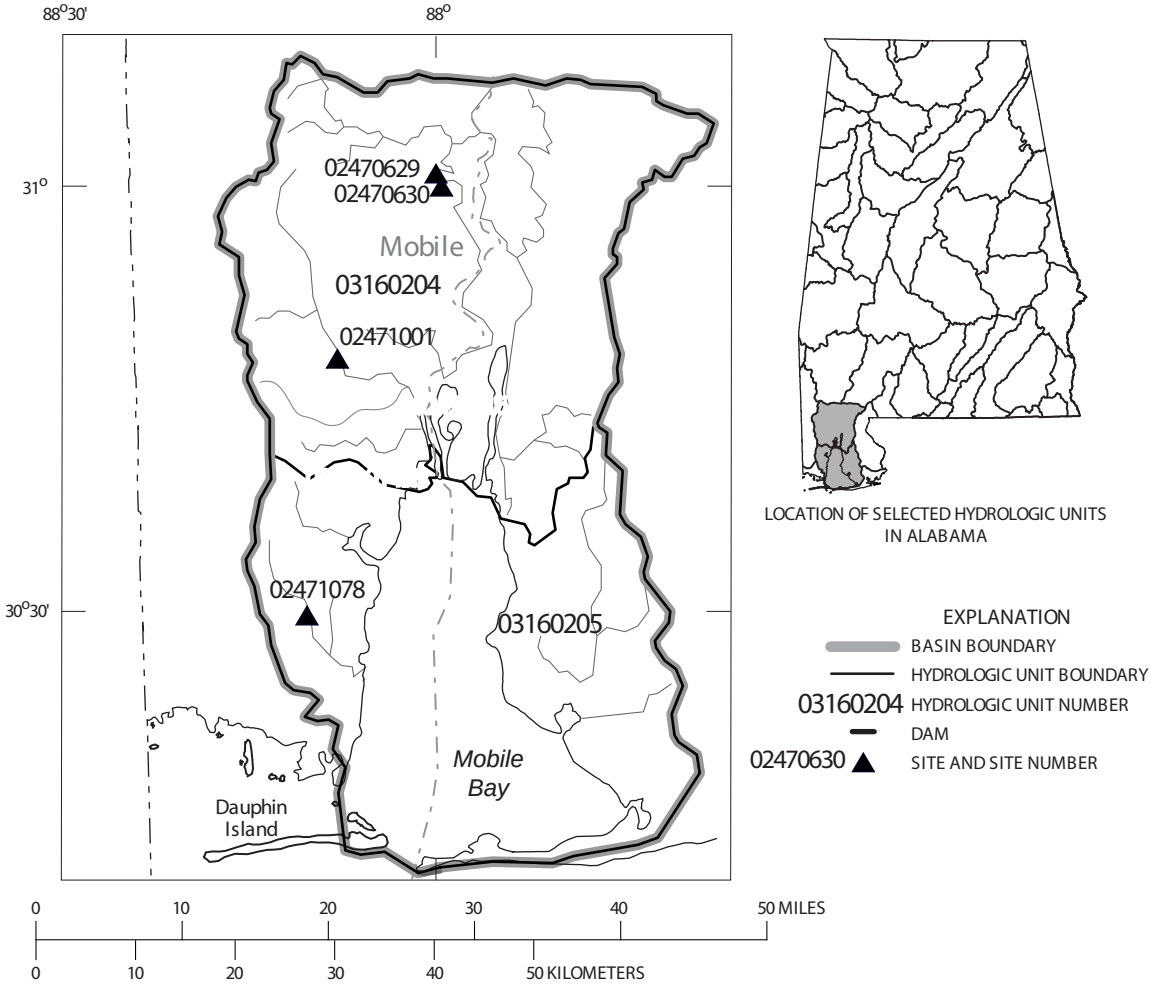


Figure 15. Location of surface-water stations in Mobile River basin.

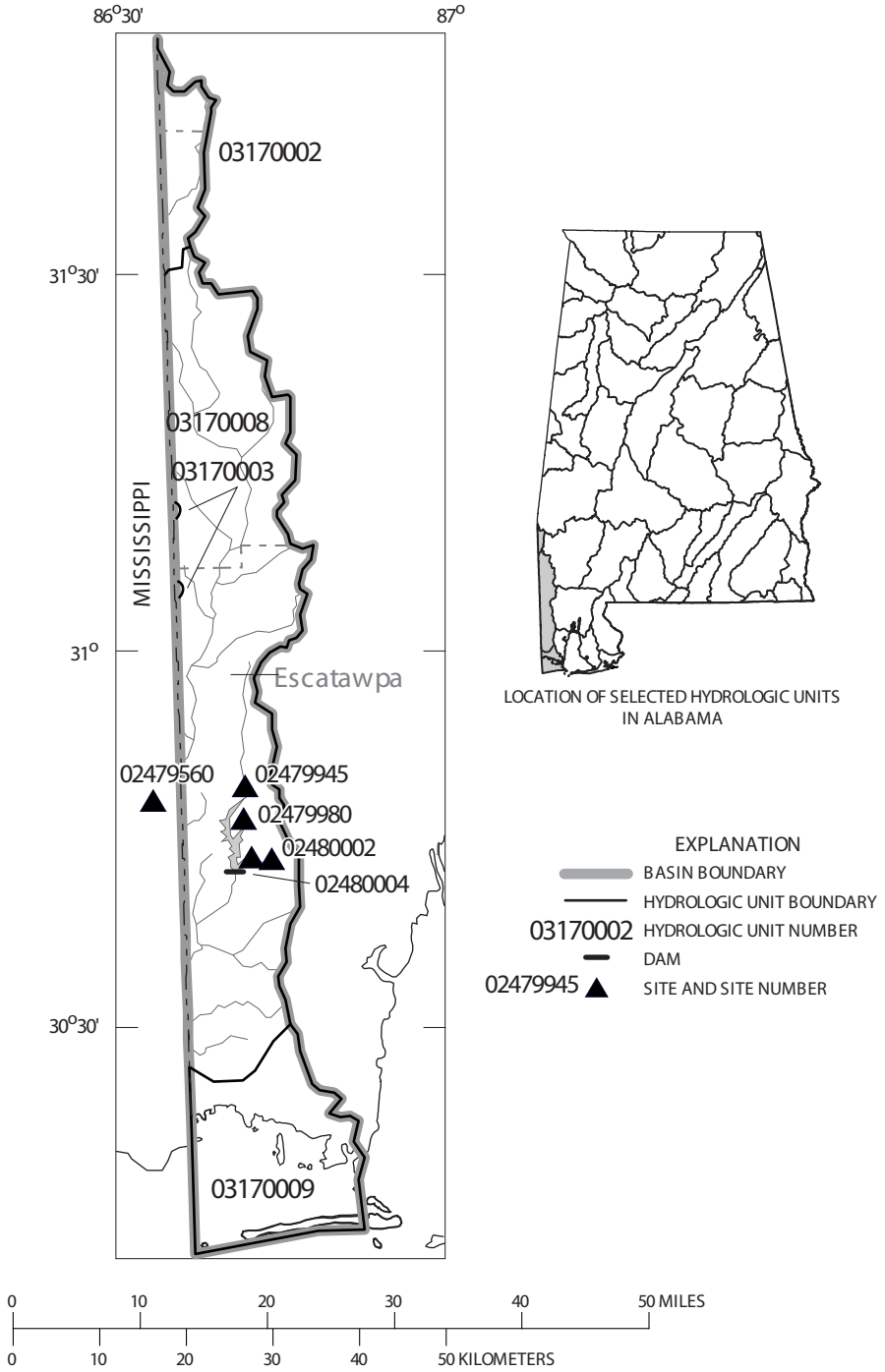


Figure 16. Location of surface-water stations in Escatawpa River basin.

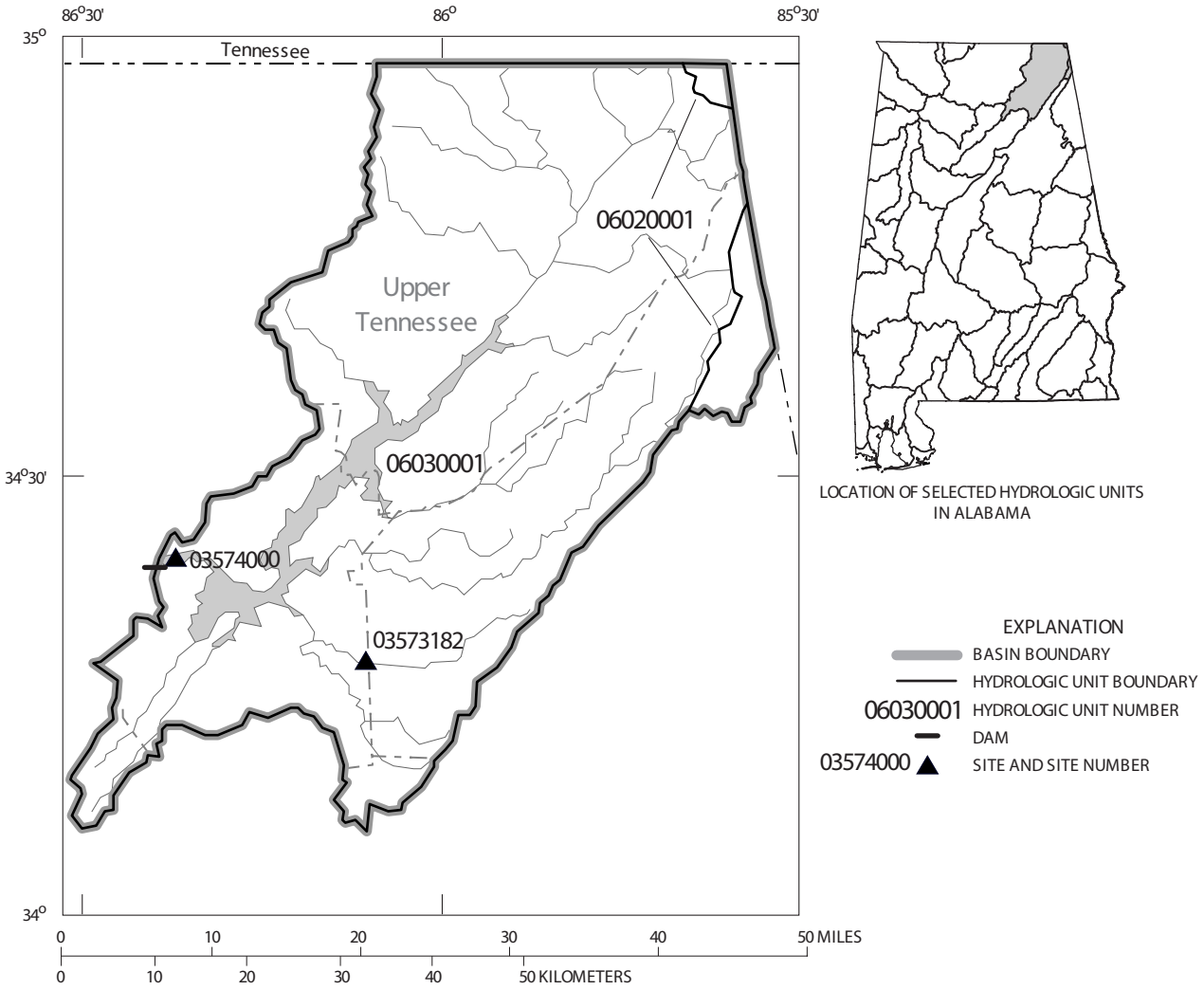


Figure 17. Location of surface-water stations in Upper Tennessee River basin.

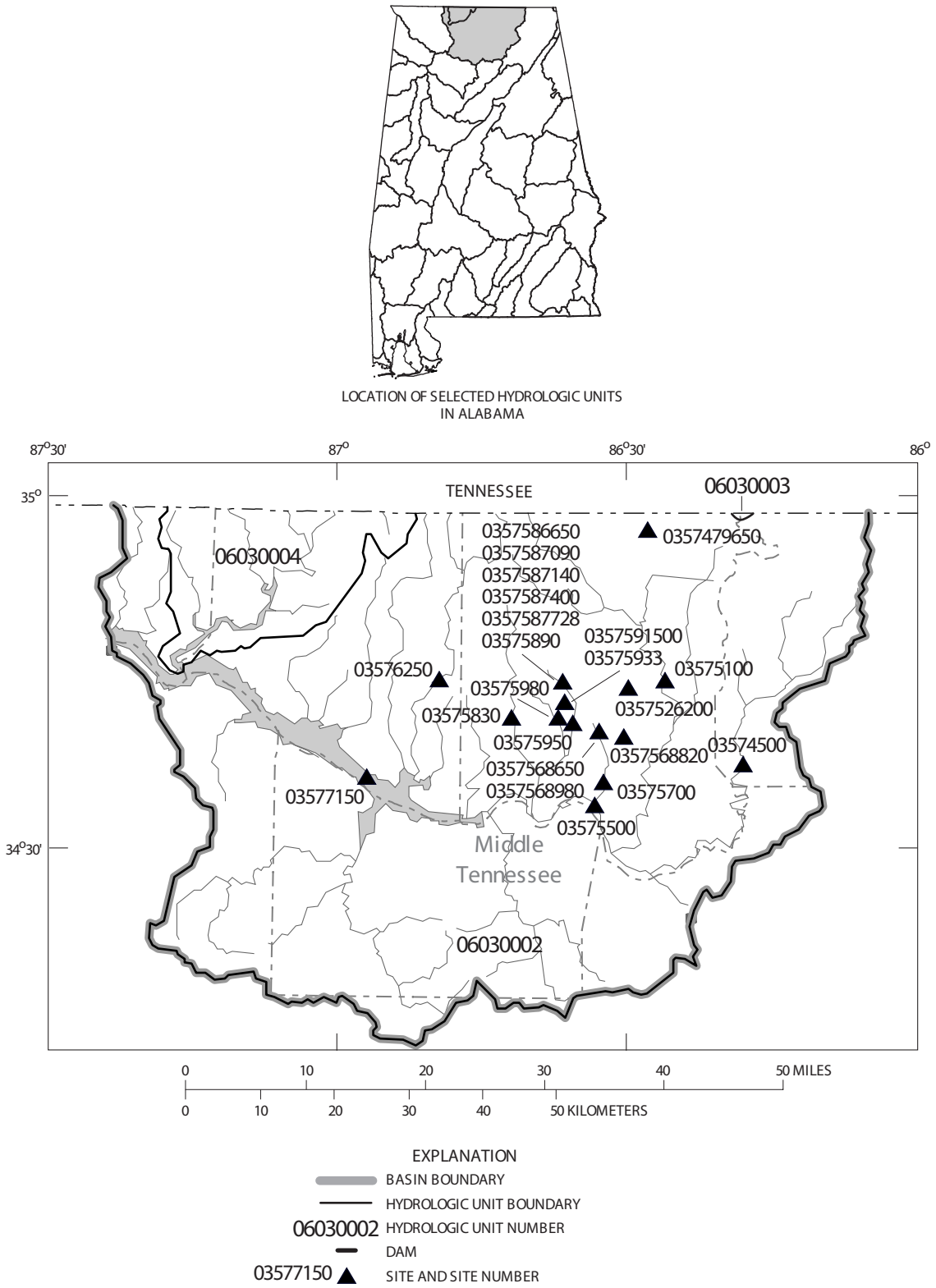


Figure 18. Location of surface-water stations in Middle Tennessee River basin.

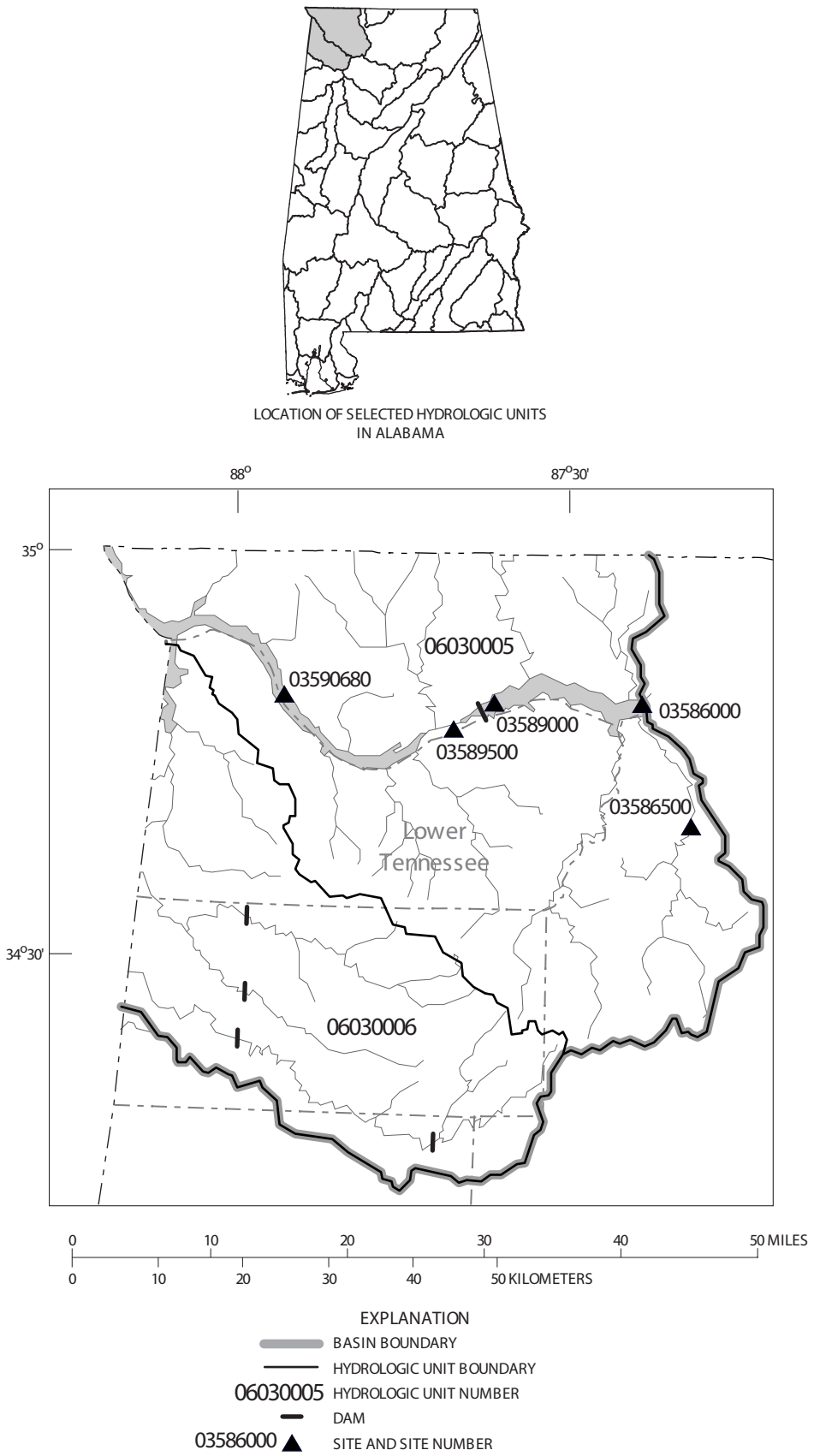


Figure 19. Location of surface-water stations in Lower Tennessee River basin.

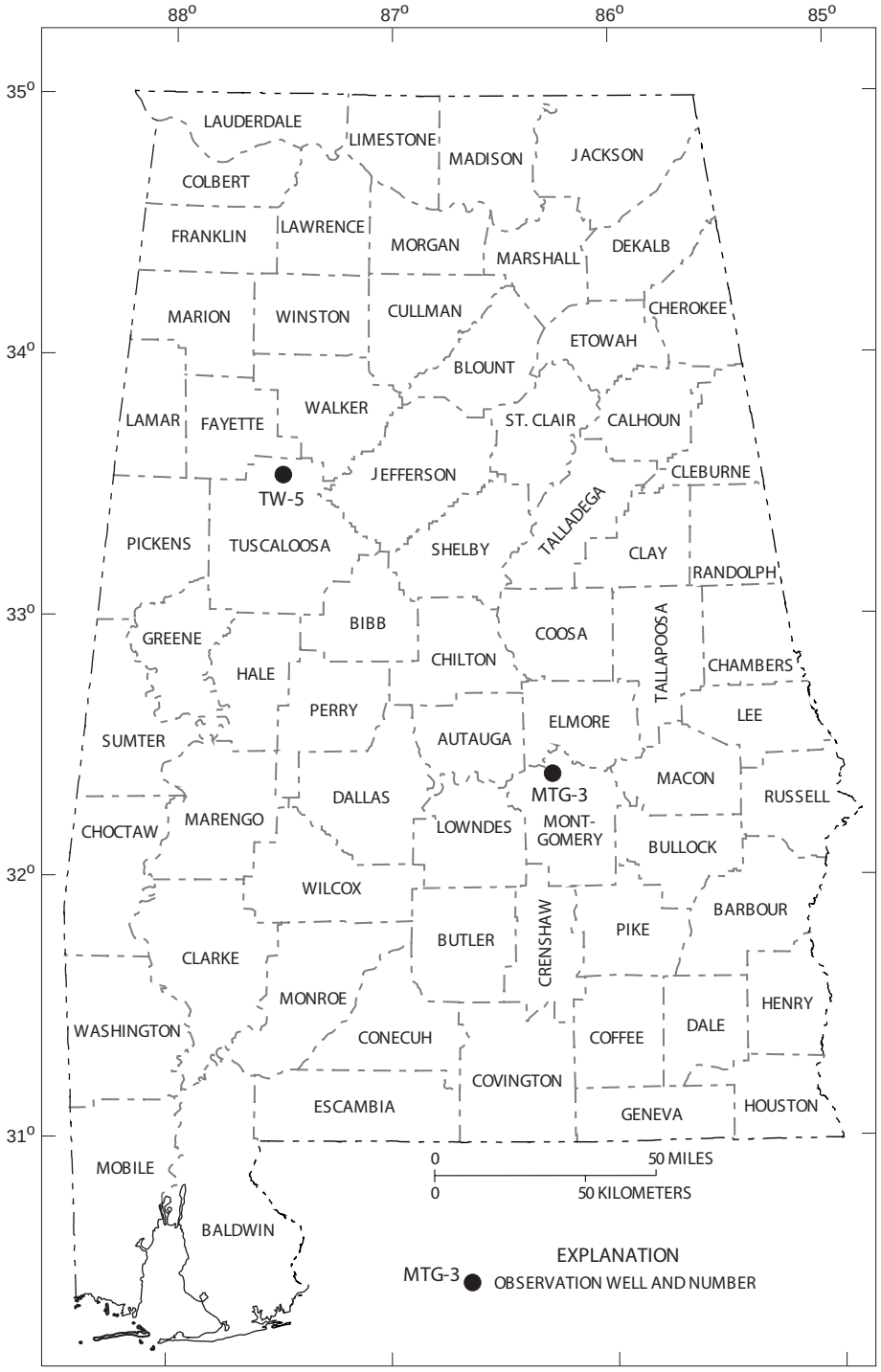


Figure 20. Location of observation wells.

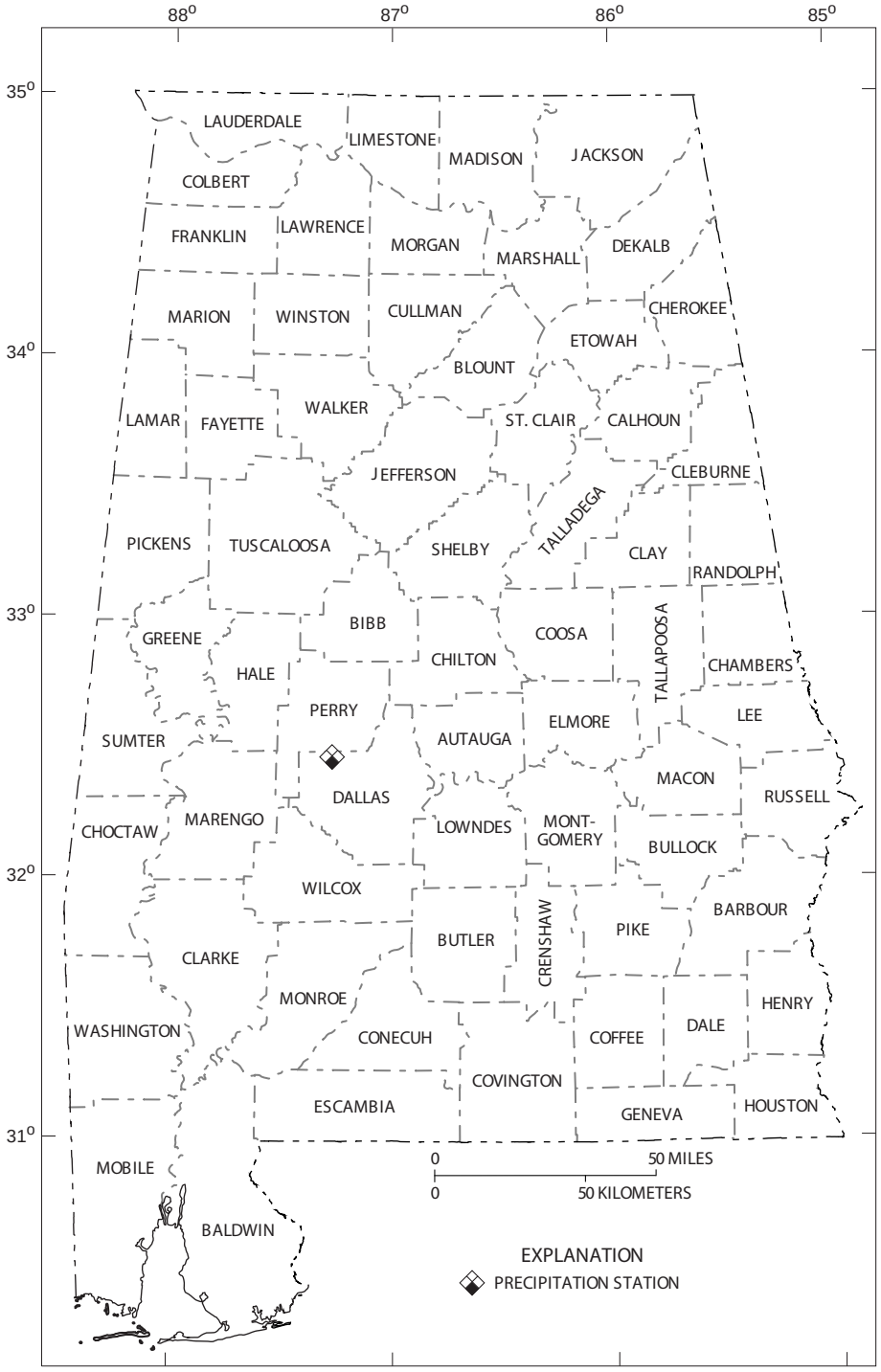


Figure 21. Location of water-quality precipitation station.

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 mi^2, 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 NGVD of 1929. Prior to Oct. 20, 1912, nonrecording gage at site 0.8 mi downstream at datum 2.83 ft lower. Oct. 20, 1912, to Jan. 25, 1925, nonrecording gage at site 500 ft upstream at present datum.

REMARKS.--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 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,440	4,140	8,190	4,110	4,960	4,500	4,440	2,190	3,430	5,340	3,130	3,800
2	3,010	4,140	8,150	4,320	7,350	4,420	3,390	1,880	3,690	5,490	4,250	3,770
3	3,020	4,140	8,140	2,970	6,980	4,100	3,090	1,850	3,730	8,600	4,720	3,650
4	3,020	4,140	8,680	2,860	9,390	3,300	2,660	1,750	3,690	4,240	4,600	2,590
5	2,020	4,170	10,500	5,700	9,410	3,210	4,400	1,970	2,150	3,890	4,870	2,910
6	3,020	4,170	11,500	5,140	10,900	3,640	2,650	1,790	2,120	4,100	5,170	5,360
7	3,020	4,180	11,400	5,630	9,770	3,680	2,590	1,790	3,080	4,560	3,200	9,000
8	3,030	3,160	9,510	6,040	9,530	3,820	3,360	1,470	3,380	4,210	3,530	9,970
9	2,380	4,190	4,970	5,750	9,460	4,930	3,440	1,090	3,370	4,250	4,060	5,690
10	3,020	4,190	4,760	3,460	9,450	6,180	3,330	2,150	2,400	2,260	4,930	3,140
11	3,020	4,180	9,120	3,290	9,460	4,400	3,290	1,780	2,820	4,390	5,330	3,550
12	3,020	4,180	11,400	6,210	8,750	3,960	2,940	2,460	2,820	4,410	6,020	4,290
13	3,020	4,280	14,900	6,020	8,320	3,150	2,430	2,100	2,120	4,060	4,160	4,370
14	3,640	4,360	10,000	6,170	9,550	3,670	5,900	1,780	2,500	3,550	2,440	4,710
15	6,140	4,370	6,750	6,390	9,580	2,430	4,140	1,110	2,150	3,490	2,460	6,630
16	7,560	4,370	1,940	6,410	9,560	3,150	4,720	1,100	1,080	3,080	3,370	15,300
17	8,100	4,370	2,930	3,340	9,510	3,050	4,220	2,440	2,080	2,160	3,130	22,300
18	4,990	4,380	7,280	3,360	9,500	3,670	3,870	2,760	2,140	3,980	2,770	21,300
19	2,440	5,340	7,650	6,570	9,540	3,020	4,270	2,760	2,030	3,260	3,690	20,400
20	1,980	5,830	7,120	6,110	5,150	2,960	3,330	2,740	1,430	3,860	3,520	18,200
21	1,980	8,500	6,790	5,040	3,730	3,000	3,260	2,480	2,680	3,820	3,070	14,800
22	1,980	10,700	5,740	5,910	4,290	4,130	3,300	2,110	1,700	3,700	2,770	9,740
23	2,720	10,600	4,290	4,280	4,550	4,310	3,170	1,810	2,020	3,820	3,990	7,230
24	3,680	10,600	3,600	3,360	3,770	3,470	2,590	2,790	1,760	3,130	4,370	7,230
25	3,390	10,500	3,420	3,100	3,810	2,730	3,150	2,460	1,750	1,560	4,980	7,240
26	3,040	10,500	4,220	4,650	4,800	2,700	2,760	2,780	1,770	3,420	3,800	7,230
27	3,070	10,400	3,530	5,880	4,980	1,980	3,450	2,040	2,160	3,390	4,120	7,260
28	3,090	10,100	2,900	4,610	3,880	1,660	3,560	2,420	2,060	4,680	1,120	7,290
29	2,910	9,510	4,910	7,080	4,350	3,040	2,860	2,060	2,070	3,810	1,120	13,100
30	3,560	9,140	6,410	5,950	---	3,310	2,470	2,120	5,710	4,680	4,100	16,900
31	4,140	---	5,760	4,620	---	3,070	---	2,440	---	2,490	3,790	---
TOTAL	107,450	186,830	219,460	154,330	214,280	108,640	103,030	64,470	75,890	121,680	116,580	268,950
MEAN	3,466	6,228	7,079	4,978	7,389	3,505	3,434	2,080	2,530	3,925	3,761	8,965
MAX	8,100	10,700	14,900	7,080	10,900	6,180	5,900	2,790	5,710	8,600	6,020	22,300
MIN	1,980	3,160	1,940	2,860	3,730	1,660	2,430	1,090	1,080	1,560	1,120	2,590
CFSM	0.98	1.75	1.99	1.40	2.08	0.99	0.97	0.59	0.71	1.11	1.06	2.53
IN.	1.13	1.96	2.30	1.62	2.25	1.14	1.08	0.68	0.80	1.28	1.22	2.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, BY WATER YEAR (WY)

MEAN	3,673	4,560	5,479	6,216	7,858	8,037	6,520	5,192	4,577	4,421	4,444	4,035
MAX	8,536	10,950	14,880	13,730	18,980	19,540	16,480	17,380	13,630	10,560	8,890	8,965
(WY)	(1990)	(1993)	(1993)	(1993)	(1990)	(1990)	(1979)	(2003)	(2003)	(1994)	(1984)	(2004)
MIN	1,584	1,816	1,867	2,170	2,766	1,921	1,961	1,423	1,807	1,672	1,585	1,606
(WY)	(1999)	(2000)	(1982)	(1986)	(1989)	(1988)	(1988)	(1999)	(1978)	(1988)	(1986)	(1986)

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004	
ANNUAL TOTAL	2,879,460		1,741,590			
ANNUAL MEAN	7,889		4,758		5,405	
HIGHEST ANNUAL MEAN					8,501	1990
LOWEST ANNUAL MEAN					2,644	1988
HIGHEST DAILY MEAN	66,600	May 9	22,300	Sep 17	66,600	May 9, 2003
LOWEST DAILY MEAN	1,160	Jan 19	1,080	Jun 16	516	Sep 12, 1993
ANNUAL SEVEN-DAY MINIMUM	2,600	Oct 19	1,670	May 3	778	Jul 31, 1978
MAXIMUM PEAK FLOW			22,800	Sep 17	94,400	Feb 26, 1961
MAXIMUM PEAK STAGE			10.91	Sep 17	24.90	Feb 26, 1961
ANNUAL RUNOFF (CFSM)	2.22		1.34		1.52	
ANNUAL RUNOFF (INCHES)	30.17		18.26		20.69	
10 PERCENT EXCEEDS	14,800		9,450		10,300	
50 PERCENT EXCEEDS	5,370		3,820		4,390	
90 PERCENT EXCEEDS	3,020		2,110		848	

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.66	3.98	5.70	3.81	4.20	3.98	3.98	2.88	3.46	4.39	3.23	3.63
2	3.46	3.98	5.68	3.89	5.28	3.95	3.48	2.74	3.55	4.41	3.78	3.62
3	3.46	3.98	5.68	3.27	5.09	3.81	3.34	2.72	3.59	5.87	4.07	3.56
4	3.46	3.98	5.90	3.19	6.18	3.40	3.11	2.66	3.58	3.83	3.99	3.09
5	3.46	3.99	6.59	4.52	6.19	3.36	3.93	2.78	2.87	3.66	4.15	3.25
6	3.46	3.99	6.99	4.27	6.74	3.56	3.13	2.68	2.84	3.72	4.30	4.37
7	3.46	4.00	6.95	4.50	6.33	3.59	3.10	2.68	3.28	3.96	3.38	6.03
8	3.46	3.47	6.20	4.69	6.24	3.68	3.46	2.52	3.42	3.82	3.53	6.38
9	3.10	4.01	4.32	4.56	6.21	4.18	3.51	2.32	3.41	3.83	3.75	4.53
10	3.46	4.00	4.23	3.51	6.20	4.76	3.45	2.87	2.95	2.85	4.14	3.34
11	3.46	4.00	6.04	3.42	6.20	3.94	3.43	2.67	3.19	3.88	4.35	3.55
12	3.46	4.00	8.04	4.76	5.90	3.73	3.23	3.00	3.18	3.88	4.67	3.90
13	3.46	4.04	8.24	4.68	5.71	3.36	3.04	2.85	2.83	3.71	3.81	3.91
14	3.75	4.08	6.42	4.76	6.24	3.60	4.60	2.68	3.02	3.49	2.99	4.06
15	4.84	4.08	5.00	4.84	6.26	2.99	3.83	2.33	2.85	3.45	3.00	4.96
16	5.44	4.08	2.78	4.86	6.24	3.35	4.11	2.33	2.31	3.21	3.42	8.34
17	5.67	4.08	3.25	3.44	6.23	3.32	3.83	2.98	2.82	2.76	3.32	10.78
18	4.34	4.08	5.22	3.46	6.22	3.61	3.66	3.13	2.85	3.74	3.14	10.45
19	3.18	4.50	5.41	4.90	6.24	3.30	3.85	3.13	2.78	3.36	3.59	10.14
20	2.95	4.71	5.16	4.72	4.25	3.25	3.44	3.12	2.49	3.65	3.51	9.44
21	2.95	5.79	5.02	4.23	3.63	3.27	3.40	3.01	3.09	3.61	3.28	8.32
22	2.95	6.67	4.55	4.64	3.90	3.82	3.43	2.83	2.61	3.52	3.14	6.53
23	3.32	6.65	3.87	3.90	4.02	3.89	3.33	2.69	2.77	3.61	3.72	5.61
24	3.77	6.63	3.56	3.44	3.65	3.52	3.08	3.15	2.65	3.26	3.89	5.61
25	3.63	6.63	3.47	3.32	3.68	3.15	3.34	2.99	2.64	2.48	4.19	5.61
26	3.47	6.61	3.83	4.07	4.12	3.15	3.14	3.14	2.65	3.39	3.64	5.61
27	3.49	6.59	3.54	4.64	4.22	2.80	3.47	2.79	2.86	3.37	3.79	5.62
28	3.49	6.47	3.21	4.02	3.69	2.65	3.55	2.97	2.79	4.01	2.35	5.63
29	3.41	6.23	4.15	5.18	3.94	3.31	3.19	2.80	2.79	3.60	2.35	7.67
30	3.71	6.08	4.85	4.64	---	3.44	3.01	2.83	4.49	4.00	3.77	9.01
31	3.98	---	4.56	4.04	---	3.33	---	2.98	---	2.94	3.63	---
MEAN	3.65	4.85	5.11	4.20	5.28	3.52	3.48	2.81	3.02	3.65	3.61	5.88
MAX	5.67	6.67	8.24	5.18	6.74	4.76	4.60	3.15	4.49	5.87	4.67	10.78
MIN	2.95	3.47	2.78	3.19	3.63	2.65	3.01	2.32	2.31	2.48	2.35	3.09

APALACHICOLA RIVER BASIN

02341505 CHATTAHOOCHEE RIVER AT GA 280, NEAR COLUMBUS, GA

LOCATION.--Lat 32°27'11", long 84°59'43" referenced to North American Datum (NAD) of 1927, Muscogee County, Hydrologic Unit 03130003, on downstream side of bridge on US 280.

DRAINAGE AREA.--4,670 square miles, approximately.

COOPERATION.--U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 18, 2002 to current year.

GAGE.--Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 183.14 feet above NGVD of 1929.

REMARKS.--Estimated daily discharge: December 11, April 7-8, and June 3-4. Records fair. Flow regulated by Lake Sidney Lanier since January 1956, West Point Lake since October 1974, and by Lake Harding since 1929. Records prior to 2002 published as 02341500 at site located 1 mile upstream of present site.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4310	4850	9220	3990	5420	5090	4790	3420	3140	9770	4590	4830
2	3140	3600	8050	4590	7680	6210	4210	7970	3780	7030	4230	4270
3	3900	4770	9270	1850	8320	6200	3170	4900	e3950	8130	4710	5580
4	3050	3370	10400	2380	8210	6130	3220	2580	e3880	5160	5490	5270
5	3600	5090	14500	6240	10900	4810	6160	2640	1940	5550	5760	3270
6	3160	4380	12900	7060	17600	4860	2710	2750	2840	5720	6120	10800
7	3280	5330	11800	6540	13100	5000	e2970	2380	4730	4830	3700	18400
8	3970	4590	12500	6480	12400	3900	e3680	2280	4420	5760	4210	14200
9	2280	3790	7370	6310	11100	5650	5500	1460	4180	5850	6000	9330
10	5600	2710	5870	3640	10900	7390	4060	3340	3060	5050	10300	3980
11	6850	2930	e9640	3450	10800	6490	3870	1400	2810	4660	9520	2630
12	7500	4360	15400	6210	13400	5490	3970	1370	2090	4960	8670	4780
13	7630	5130	16400	6460	12400	3070	4010	1490	2700	4360	7670	5390
14	7480	3570	14400	6510	13300	3840	6990	1370	4320	5620	2180	6730
15	6650	2040	10800	6980	12800	4060	5110	1230	4230	5050	2730	8650
16	8370	3030	3870	6680	12600	3800	4810	1760	2520	4860	5950	21300
17	9740	1070	2850	5440	11700	3010	5340	2650	3670	2360	4310	27700
18	7340	2090	4600	4770	11400	3450	4710	3220	2420	4260	3940	27700
19	5220	3600	8300	5780	10900	3930	5250	2700	2920	4090	3860	23700
20	1750	4130	8630	6210	6290	3480	4700	2340	2460	4170	3630	20300
21	1370	5860	7830	5800	4440	3140	4040	2650	2270	4510	3830	16600
22	1480	11500	6750	6150	5110	5230	3870	1340	2610	6250	2110	13400
23	1970	13200	5640	5280	8860	5770	3270	2610	2650	3920	5110	12300
24	2440	12500	4970	3570	6820	4910	2380	2910	3500	2100	5500	6850
25	3440	13100	2540	3850	6440	3840	3040	3370	3110	2010	6680	6680
26	3570	12700	5030	11200	6940	3590	2460	3140	2980	6200	5240	8560
27	4250	12400	3930	9840	7850	2430	4480	3080	2790	6310	5640	11200
28	3820	13700	2960	4500	6430	2590	3810	2330	2680	6330	3460	10100
29	2780	13200	4590	5730	5870	2750	3380	1380	2720	5220	3190	13500
30	3930	10400	7090	5650	---	3640	2780	1110	7270	5900	4080	18000
31	4710	---	6700	6990	---	4200	---	3120	---	3660	4260	---
TOTAL	138580	192990	254800	176130	279980	137950	122740	80290	98640	159650	156670	346000
MEAN	4470	6433	8219	5682	9654	4450	4091	2590	3288	5150	5054	11530
MAX	9740	13700	16400	11200	17600	7390	6990	7970	7270	9770	10300	27700
MIN	1370	1070	2540	1850	4440	2430	2380	1110	1940	2010	2110	2630
CFSM	0.96	1.38	1.76	1.22	2.07	0.95	0.88	0.55	0.70	1.10	1.08	2.47
IN.	1.10	1.54	2.03	1.40	2.23	1.10	0.98	0.64	0.79	1.27	1.25	2.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	4102	6722	8918	5471	7518	7425	5585	9292	7236	6785	4769	6051
MAX	4470	7011	9616	5682	9654	13750	8974	22240	16260	12820	7011	11530
(WY)	2004	2003	2003	2004	2004	2003	2003	2003	2003	2003	2003	2004
MIN	3735	6433	8219	5260	4032	4074	3689	2590	2161	2383	2242	2387
(WY)	2003	2004	2004	2003	2002	2002	2002	2004	2002	2002	2002	2002

APALACHICOLA RIVER BASIN

02341505 CHATTAHOOCHEE RIVER AT GA 280, NEAR COLUMBUS, GA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	3,610,240		2,144,420			
ANNUAL MEAN	9,891		5,859		7,924	
HIGHEST ANNUAL MEAN					9,995	2003
LOWEST ANNUAL MEAN					5,859	2004
HIGHEST DAILY MEAN	118,000	May 9	27,700	Sep 17, Sep 18	118,000	May 9, 2003
LOWEST DAILY MEAN	1,070	Nov 17	1,070	Nov. 17	1,070	Nov. 17, 2003
ANNUAL SEVEN-DAY MINIMUM	2,290	Oct. 20	1,610	May 11	1,530	Jun 15, 2002
MAXIMUM PEAK FLOW			33,300	Sep. 16	150,000	May 9, 2003
MAXIMUM PEAK STAGE			17.99	Sep. 17	39.95	May 9, 2003
ANNUAL RUNOFF (CFSM)	2.12		1.25		1.70	
ANNUAL RUNOFF (INCHES)	28.76		17.08		23.05	
10 PERCENT EXCEEDS	18,900		11,400		14,300	
50 PERCENT EXCEEDS	6,990		4,770		5,780	
90 PERCENT EXCEEDS	3,370		2,450		2,750	

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1, 1994 to current year.

GAGE.--Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 183.14 above NGVD of 1929.

REMARKS.--Records good. Water-stage records prior to the 2001 water year are unpublished, but are available upon request.

EXTREMES FOR CURRENT YEAR.--Maximum gage-height recorded, 17.99 feet, Sept. 17; minimum gage-height recorded, 3.80 feet. Jan. 25.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.45	6.33	8.05	6.89	6.47	6.48	6.13	5.43	5.55	8.11	6.62	6.29
2	6.08	6.11	7.38	7.03	7.17	6.63	5.96	7.02	5.71	7.81	6.52	6.14
3	6.31	6.33	7.81	6.25	7.65	6.54	5.65	6.37	---	7.94	6.51	6.43
4	6.09	5.98	8.36	6.41	7.52	6.41	5.54	5.87	5.76	7.26	6.62	6.31
5	6.26	6.46	10.07	7.40	8.52	6.12	6.34	5.96	5.33	7.28	6.65	5.89
6	6.14	6.43	9.41	7.52	11.51	5.99	5.46	5.87	5.55	7.25	6.67	7.49
7	6.20	6.46	8.88	7.50	10.89	5.80	---	5.74	6.00	6.98	6.18	11.32
8	6.39	6.31	8.99	7.57	9.72	5.44	---	5.71	6.03	7.22	6.28	9.85
9	5.98	6.12	7.00	7.53	9.00	5.99	6.16	5.61	6.08	7.29	6.62	8.08
10	6.89	5.80	6.22	6.59	8.93	6.51	5.67	---	5.91	7.09	8.40	6.57
11	7.43	5.84	---	6.39	8.80	6.56	5.63	5.40	5.92	7.01	7.84	6.32
12	7.80	6.18	10.07	7.11	10.44	5.96	5.75	5.32	5.67	7.07	7.43	6.93
13	8.05	6.22	11.21	7.03	10.38	5.31	5.92	5.25	6.04	6.87	7.25	7.06
14	8.08	5.93	10.47	6.85	10.43	5.55	6.65	5.26	6.70	7.06	6.00	7.64
15	7.90	5.49	9.10	7.06	10.15	5.77	6.10	5.21	6.75	6.87	6.10	8.09
16	8.38	5.64	6.24	6.72	9.92	5.69	6.00	5.37	6.39	6.81	6.64	13.43
17	8.93	5.13	5.69	6.18	9.33	5.50	6.11	5.57	6.69	6.32	6.35	17.67
18	8.24	5.45	6.31	5.89	9.18	5.75	5.96	5.80	6.51	6.69	6.12	17.36
19	7.60	5.79	7.65	6.11	8.83	5.84	6.07	5.52	6.61	6.60	6.03	15.59
20	6.53	5.89	7.88	6.43	7.10	5.82	5.97	5.42	6.53	6.61	5.96	14.01
21	6.18	6.45	7.62	6.38	5.84	5.64	5.84	5.53	6.49	6.67	5.98	12.49
22	5.95	8.28	7.38	6.31	5.91	6.17	5.79	5.26	6.55	6.86	5.70	10.49
23	5.76	9.18	7.07	5.99	7.19	6.45	5.55	5.56	6.44	6.40	6.38	10.18
24	5.65	8.90	6.74	5.06	6.77	6.22	5.26	5.55	6.75	5.98	6.44	7.45
25	5.85	9.21	6.20	5.22	6.66	5.88	5.36	5.63	6.83	5.81	6.64	7.31
26	5.99	9.15	6.90	8.96	7.32	5.91	5.18	5.67	6.76	6.68	6.27	7.79
27	6.14	8.89	6.68	9.76	7.86	5.67	5.63	5.64	6.83	6.83	6.38	9.41
28	6.03	9.85	6.50	6.64	7.21	5.72	5.43	5.44	6.86	6.93	5.85	9.16
29	5.81	9.67	6.94	6.88	6.73	5.74	5.39	5.20	6.72	6.66	5.85	9.97
30	6.12	8.58	7.58	6.72	---	5.89	5.22	5.17	7.67	6.86	6.09	12.72
31	6.35	---	7.72	7.28	---	6.00	---	5.57	---	6.38	6.13	---
MEAN	6.70	6.93	---	6.83	8.39	5.97	---	---	---	6.91	6.47	9.51
MAX	8.93	9.85	---	9.76	11.51	6.63	---	---	---	8.11	8.40	17.67
MIN	5.65	5.13	---	5.06	5.84	5.31	---	---	---	5.81	5.70	5.89

02342500 UCHEE CREEK NEAR FORT MITCHELL, AL

LOCATION.--Lat 32° 19'00", long 85° 00'54", in NE $^1/_4$ SW $^1/_4$ 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 mi^2.

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 NGVD of 1929. Prior to Sept. 1, 1953, at site 1,000 ft upstream at same datum; 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
No peak greater than base discharge.							

Minimum discharge, 12 ft^3/s, Aug. 26, 27, 29, gage height, 0.32 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

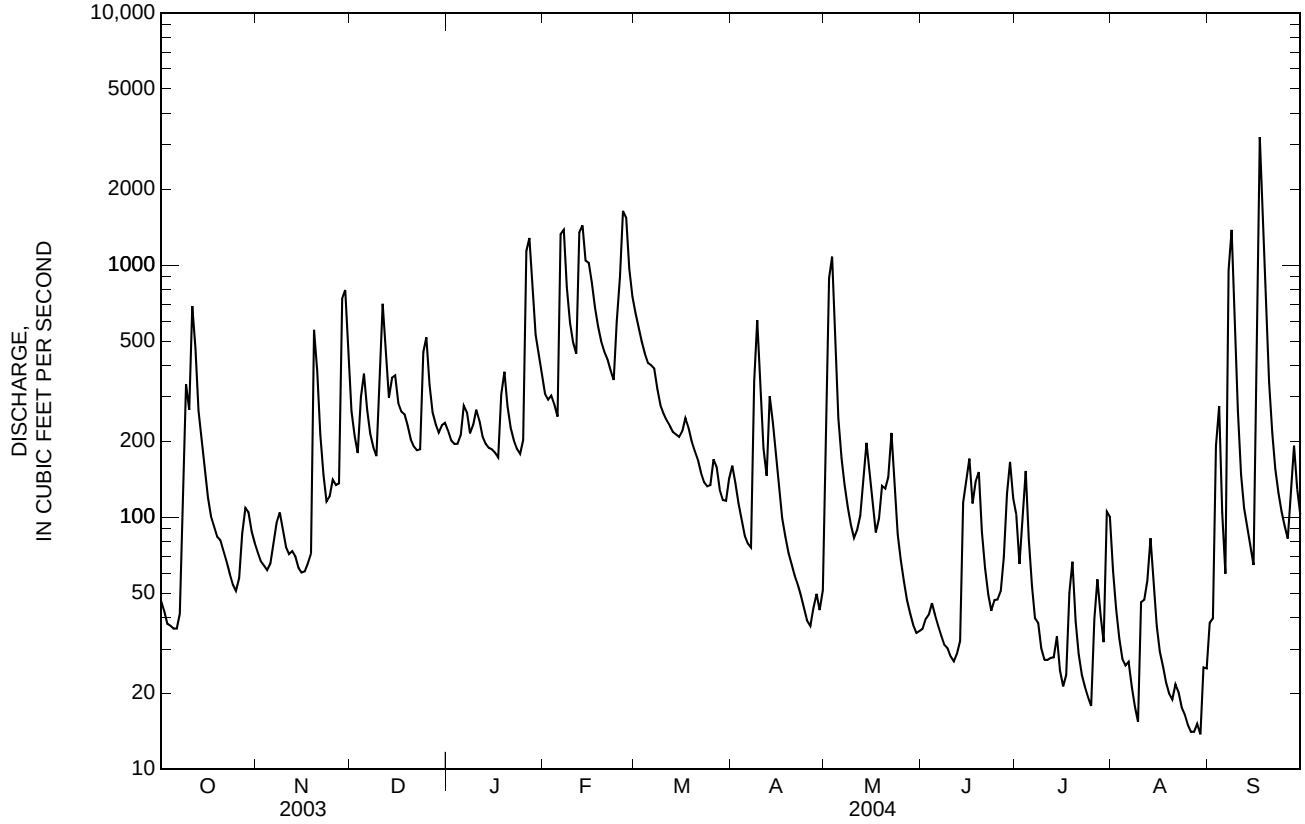
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	72	263	220	308	646	160	146	36	102	61	38
2	42	67	210	202	292	565	137	888	39	65	43	40
3	38	64	180	195	304	498	113	1,080	41	103	33	192
4	37	62	299	196	280	445	98	500	46	153	27	276
5	36	65	371	212	251	410	85	247	41	82	26	105
6	36	79	266	277	1,330	401	79	171	37	54	27	60
7	41	95	215	261	1,380	390	76	134	34	40	21	957
8	98	104	189	215	815	322	347	110	31	38	18	1,380
9	337	90	175	233	590	279	605	93	30	30	15	648
10	267	76	350	267	494	257	302	83	28	27	46	265
11	688	71	703	241	445	242	187	89	27	27	47	148
12	467	73	445	209	1,350	230	146	102	29	28	56	109
13	264	70	298	195	1,440	218	302	144	32	28	83	90
14	200	63	358	189	1,040	213	237	197	114	34	56	76
15	153	60	365	186	1,020	208	172	150	139	25	37	65
16	120	61	284	180	854	220	127	112	171	21	29	1,070
17	101	65	263	173	678	248	99	87	113	24	26	3,220
18	91	72	256	306	573	226	84	99	138	50	22	1,630
19	84	554	231	378	499	200	72	133	151	67	20	669
20	81	379	204	276	455	183	65	130	88	39	19	344
21	74	214	191	227	424	169	59	144	63	29	22	216
22	67	147	184	202	384	150	54	216	49	24	20	155
23	60	116	186	187	351	138	49	132	43	21	18	124
24	54	121	452	178	599	133	43	85	47	19	17	105
25	51	141	517	202	897	134	39	68	47	18	15	92
26	57	134	335	1,140	1,640	170	37	56	51	39	14	82
27	86	136	261	1,280	1,540	159	44	47	69	57	14	123
28	109	737	233	774	971	128	50	42	124	41	15	192
29	105	797	217	528	749	117	43	37	166	32	14	129
30	88	421	232	437	---	116	51	35	119	105	25	102
31	79	---	237	369	---	142	---	35	---	100	25	---
TOTAL	4,058	5,206	8,970	10,135	21,953	7,957	3,962	5,592	2,143	1,522	911	12,702
MEAN	131	174	289	327	757	257	132	180	71.4	49.1	29.4	423
MAX	688	797	703	1,280	1,640	646	605	1,080	171	153	83	3,220
MIN	36	60	175	173	251	116	37	35	27	18	14	38
CFSM	0.41	0.54	0.90	1.02	2.35	0.80	0.41	0.56	0.22	0.15	0.09	1.31
IN.	0.47	0.60	1.04	1.17	2.54	0.92	0.46	0.65	0.25	0.18	0.11	1.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2004, BY WATER YEAR (WY)

MEAN	132	251	443	616	846	1,052	765	317	169	252	137	96.8
MAX	1,028	2,493	1,708	1,544	2,049	2,470	3,376	1,568	982	2,303	835	423
(WY)	(1965)	(1949)	(1954)	(1978)	(1949)	(2001)	(1964)	(1953)	(1989)	(1994)	(1948)	(2004)
MIN	7.37	22.5	59.5	99.9	135	251	132	37.9	13.0	6.75	2.64	8.71
(WY)	(2001)	(1982)	(2002)	(2002)	(2001)	(1955)	(2004)	(2000)	(2000)	(2000)	(2002)	(2002)

02342500 UCHEE CREEK NEAR FORT MITCHELL, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1947 - 2004	
ANNUAL TOTAL	161,674		85,111			
ANNUAL MEAN	443		233		421	
HIGHEST ANNUAL MEAN					906	1949
LOWEST ANNUAL MEAN					106	2002
HIGHEST DAILY MEAN	6,490	Jul 2	3,220	Sep 17	27,400	Apr 9, 1964
LOWEST DAILY MEAN	36	Jun 2	14	Aug 26	1.0	Sep 8, 2002
ANNUAL SEVEN-DAY MINIMUM	40	Oct 1	15	Aug 23	1.1	Sep 5, 2002
MAXIMUM PEAK FLOW			3,650	Sep 17	55,100	Apr 9, 1964
MAXIMUM PEAK STAGE			6.71	Sep 17	26.45	Apr 9, 1964
ANNUAL RUNOFF (CFSM)	1.38		0.722		1.31	
ANNUAL RUNOFF (INCHES)	18.68		9.83		17.77	
10 PERCENT EXCEEDS	999		557		930	
50 PERCENT EXCEEDS	256		128		178	
90 PERCENT EXCEEDS	65		29		27	



02342933 SOUTH FORK COWIKEE CREEK NEAR BATESVILLE, AL

LOCATION.--Lat 32° 01'03", long 85° 17'45", in SE $^1/_4$ SE$^1/_4$ 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 mi^2.

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 NGVD of 1929, from topographic map.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 26	1300	*7,240	*21.85	Sep 16	1530	3,510	14.37

Minimum discharge, 1.8 ft^3/s, Aug. 9, 10, gage height, 2.01 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

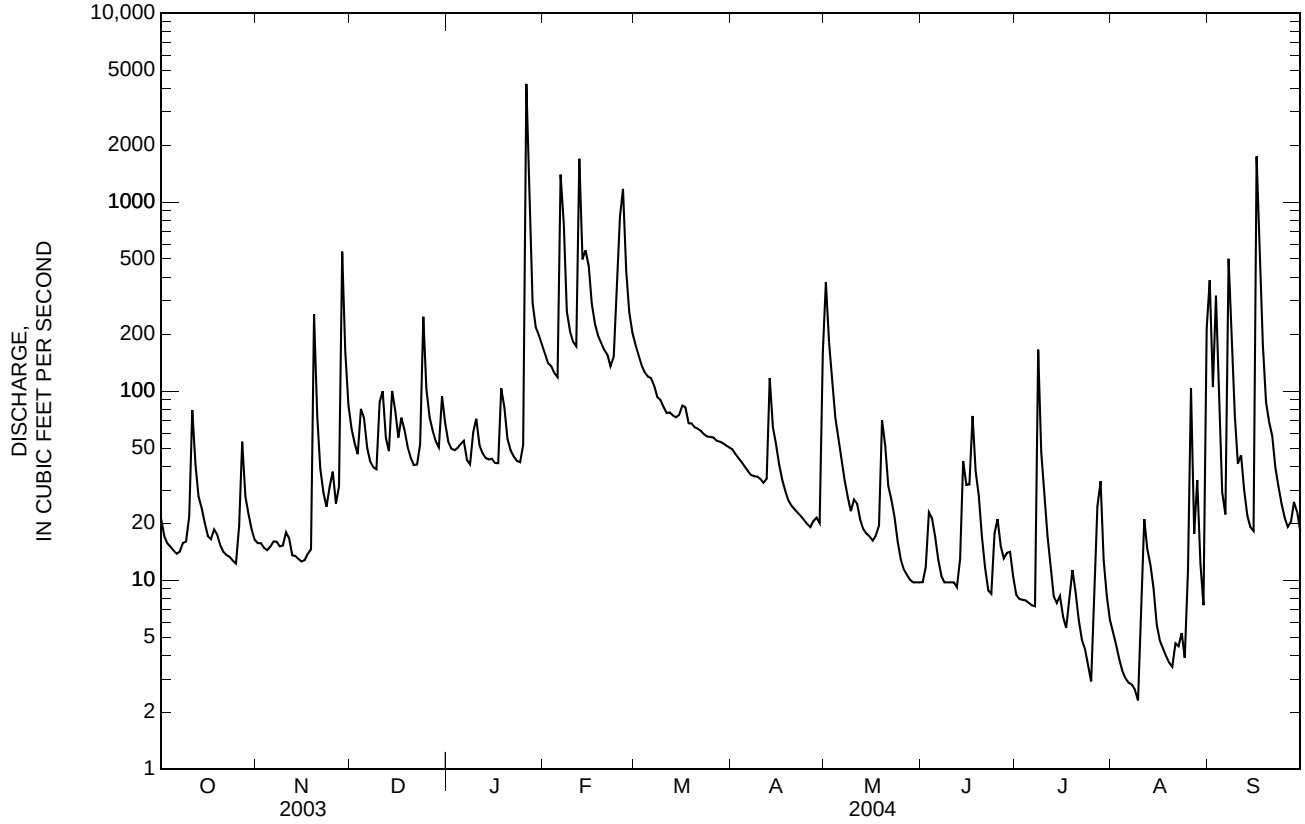
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	16	64	54	157	176	49	377	9.8	8.4	5.3	386
2	17	16	53	50	141	155	47	181	12	8.0	4.6	105
3	16	15	46	49	136	137	44	120	23	7.9	3.8	320
4	15	14	81	50	125	125	42	72	21	7.8	3.3	70
5	14	15	72	53	119	119	40	57	17	7.6	3.0	29
6	14	16	50	55	1,400	117	38	43	13	7.4	2.9	22
7	14	16	42	43	767	107	36	34	11	7.3	2.8	502
8	16	15	40	41	264	93	35	28	9.8	166	2.6	199
9	16	15	39	61	207	90	35	23	9.8	48	2.3	74
10	22	18	88	71	183	83	34	27	9.8	28	6.6	41
11	80	17	100	52	173	77	33	25	9.8	17	21	46
12	41	14	57	47	1,700	77	34	21	9.2	12	15	30
13	28	13	48	44	498	74	117	19	13	8.2	12	22
14	24	13	100	44	556	73	64	18	43	7.6	9.0	19
15	20	13	79	44	458	75	53	17	32	8.2	5.8	18
16	17	13	57	42	289	84	41	16	32	6.4	4.8	1,750
17	16	14	72	42	227	82	34	17	74	5.6	4.4	712
18	19	15	62	103	197	68	30	19	38	8.2	4.0	177
19	17	255	51	82	180	67	26	70	28	11	3.7	88
20	15	74	44	56	165	64	25	51	17	8.6	3.5	69
21	14	39	41	49	156	63	24	32	12	6.2	4.6	58
22	14	29	41	45	135	62	23	27	8.8	4.8	4.5	40
23	13	25	52	43	152	59	22	22	8.5	4.3	5.3	31
24	13	31	248	42	397	57	21	16	18	3.5	3.9	25
25	12	38	103	52	836	57	20	13	21	2.9	11	21
26	19	25	73	4,220	1,170	57	19	11	15	9.6	104	19
27	54	31	62	1,120	434	55	21	11	13	24	18	20
28	28	547	54	294	262	54	21	10	14	33	34	26
29	22	163	51	220	203	53	20	9.8	14	13	12	23
30	19	84	94	198	---	52	161	9.8	10	8.2	7.4	18
31	16	---	68	178	---	51	---	9.8	---	6.2	214	---
TOTAL	666	1,609	2,132	7,544	11,687	2,563	1,209	1,406.4	566.5	504.9	539.1	4,960
MEAN	21.5	53.6	68.8	243	403	82.7	40.3	45.4	18.9	16.3	17.4	165
MAX	80	547	248	4,220	1,700	176	161	377	74	166	214	1,750
MIN	12	13	39	41	119	51	19	9.8	8.5	2.9	2.3	18
CFSM	0.19	0.48	0.61	2.17	3.60	0.74	0.36	0.41	0.17	0.15	0.16	1.48
IN.	0.22	0.53	0.71	2.51	3.88	0.85	0.40	0.47	0.19	0.17	0.18	1.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	45.4	62.5	110	187	254	330	152	92.2	57.7	71.0	43.4	34.9
MAX	532	446	421	626	986	1,363	432	390	191	872	235	201
(WY)	(1976)	(1998)	(1998)	(1978)	(1975)	(1990)	(1979)	(1976)	(2003)	(1994)	(1975)	(1996)
MIN	1.12	4.56	10.1	13.3	27.0	65.5	23.4	2.89	4.10	1.45	1.33	0.63
(WY)	(1991)	(1991)	(1989)	(1981)	(2001)	(1985)	(1967)	(2000)	(1988)	(2000)	(1990)	(1990)

02342933 SOUTH FORK COWIKEE CREEK NEAR BATESVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	54,241		35,386.9			
ANNUAL MEAN	149		96.7		119	
HIGHEST ANNUAL MEAN					254	1975
LOWEST ANNUAL MEAN					27.5	2000
HIGHEST DAILY MEAN	3,020	Jul 1	4,220	Jan 26	19,800	Mar 17, 1990
LOWEST DAILY MEAN	12	Oct 25	2.3	Aug 9	0.08	Jul 19, 2000
ANNUAL SEVEN-DAY MINIMUM	14	Nov 12	3.0	Aug 3	0.20	Jul 13, 2000
MAXIMUM PEAK FLOW			7,240	Jan 26	28,200	Mar 17, 1990
MAXIMUM PEAK STAGE			21.85	Jan 26	43.40	Mar 17, 1990
ANNUAL RUNOFF (CFSM)	1.33		0.863		1.07	
ANNUAL RUNOFF (INCHES)	18.02		11.75		14.49	
10 PERCENT EXCEEDS	357		179		224	
50 PERCENT EXCEEDS	58		33		36	
90 PERCENT EXCEEDS	17		8.1		4.2	



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 mi^2.

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 NGVD of 1929.

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, 184.05 ft, June 13, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 190.02 ft, Oct. 18; minimum elevation, 187.11 ft, Jan. 24.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188.88	188.52	188.46	189.17	188.12	188.49	188.36	188.00	188.13	189.71	189.10	188.68
2	188.84	188.60	188.37	189.17	187.96	188.37	188.30	188.28	188.13	189.82	189.08	188.69
3	188.79	188.63	188.33	189.17	188.04	188.28	188.28	188.56	188.21	189.84	188.98	188.71
4	188.77	188.55	188.27	189.18	187.90	188.17	188.22	188.68	188.29	189.82	188.93	188.77
5	188.77	188.55	188.14	189.17	187.73	188.14	188.21	188.66	188.33	189.72	188.88	188.78
6	188.85	188.57	187.96	189.12	187.77	188.00	188.21	188.63	188.36	189.57	188.89	188.74
7	188.90	188.52	187.75	189.12	188.38	187.87	188.12	188.62	188.42	189.44	188.90	188.97
8	188.88	188.55	187.54	189.13	188.42	187.81	188.07	188.61	188.52	189.51	188.88	188.87
9	188.90	188.56	187.50	189.15	188.38	187.70	188.10	188.66	188.61	189.53	188.84	189.09
10	188.93	188.52	187.42	189.03	188.36	187.66	188.11	188.61	188.71	189.52	188.79	189.16
11	189.16	188.49	187.27	188.78	188.35	187.72	188.08	188.49	188.74	189.54	188.95	189.18
12	189.41	188.45	187.48	188.59	188.74	187.73	188.11	188.34	188.66	189.52	188.98	189.20
13	189.62	188.41	187.94	188.31	189.27	187.86	188.17	188.26	188.67	189.44	189.09	189.29
14	189.74	188.46	188.34	188.16	189.03	187.92	188.16	188.26	189.00	189.37	189.03	189.36
15	189.86	188.35	188.41	187.99	188.73	188.06	188.21	188.28	189.20	189.29	188.97	189.33
16	189.94	188.27	188.33	187.74	188.57	188.14	188.15	188.30	189.32	189.25	188.91	189.60
17	189.94	188.22	188.30	187.66	188.54	188.15	188.13	188.34	189.36	189.27	188.86	189.41
18	189.95	188.17	188.29	187.65	188.44	188.20	188.18	188.31	189.46	189.21	188.74	188.60
19	189.79	188.19	188.30	187.64	188.21	188.28	188.14	188.29	189.49	189.28	188.64	188.75
20	189.54	188.27	188.39	187.63	188.08	188.38	188.10	188.28	189.49	189.22	188.58	189.01
21	189.22	188.28	188.54	187.64	187.86	188.38	188.08	188.28	189.48	189.15	188.60	189.07
22	189.00	188.17	188.67	187.49	187.79	188.42	188.05	188.26	189.35	189.12	188.69	189.00
23	188.65	188.13	188.70	187.38	187.89	188.36	188.05	188.24	189.30	189.10	188.69	189.08
24	188.48	188.10	188.78	187.23	188.05	188.34	188.06	188.22	189.44	188.97	188.69	189.01
25	188.45	188.09	188.87	187.31	188.18	188.36	187.99	188.22	189.56	188.86	188.69	188.71
26	188.52	188.09	188.89	188.15	188.64	188.42	187.95	188.23	189.63	188.85	188.69	188.59
27	188.52	188.05	189.01	188.74	188.77	188.52	187.90	188.25	189.68	188.89	188.65	188.79
28	188.50	188.20	189.10	188.41	188.67	188.53	187.84	188.25	189.67	188.97	188.65	189.04
29	188.45	188.39	189.06	188.24	188.53	188.52	187.78	188.21	189.63	189.03	188.65	189.01
30	188.42	188.44	189.10	188.17	---	188.46	187.81	188.13	189.52	189.09	188.65	189.09
31	188.45	---	189.18	188.18	---	188.43	---	188.11	---	189.11	188.62	---
MEAN	189.04	188.36	188.34	188.34	188.32	188.18	188.10	188.35	189.01	189.32	188.82	188.99
MAX	189.95	188.63	189.18	189.18	189.27	188.53	188.36	188.68	189.68	189.84	189.10	189.60
MIN	188.42	188.05	187.27	187.23	187.73	187.66	187.78	188.00	188.13	188.85	188.58	188.59

CAL YR	2003	MEAN 189.08	MAX 191.63	MIN 187.27
WTR YR	2004	MEAN 188.60	MAX 189.95	MIN 187.23

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 mi^2, approximately.
PERIOD OF RECORD.--October 1975 to current year.
GAGE.--Satellite transmitter with gate-opening and water-stage recorders. Datum of headwater gage and tail-water gage is 0.00 ft. NGVD of 1929.
REMARKS.--Estimated daily discharge: Oct. 29; Nov. 5; Dec. 18; Jan. 3, 8, 31; Feb. 17; Apr. 24; May 10, 23-24; June 15, 17; July 1, 23; and Aug. 28. Records fair, except periods of estimated record, which are poor. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8030	4950	14000	9910	14700	13600	12500	6880	5980	e9990	6040	7800
2	7100	6790	14300	9470	14900	15000	8280	6360	6620	9900	7580	7470
3	7080	8380	14300	e5570	13600	14000	7670	7680	6190	11500	8620	7340
4	6630	8640	16800	6620	18800	13400	7170	7870	5590	10900	7700	6110
5	5620	e8200	20900	10500	16700	12700	9190	6680	4300	10500	6590	5960
6	4100	8360	21400	11100	22400	11700	7800	5750	3990	12400	6260	8200
7	6040	9170	21300	11200	25800	11400	8250	6350	3860	10200	5890	24500
8	8270	6840	19900	e10100	24000	11300	7610	5030	4090	9930	5410	25800
9	7960	7970	15000	10300	17600	12500	8610	3950	4250	9060	7930	11400
10	6110	5370	13100	13100	18800	11700	8980	e7570	4150	7110	12400	8330
11	6850	7450	13600	14300	18100	9620	7430	8650	6170	7260	14000	6320
12	6600	7870	10400	15100	18900	8890	7810	9260	7000	7460	9140	6080
13	7780	7830	12600	15900	28000	5960	6750	6880	5340	9830	10500	7000
14	8850	7720	13800	14400	33200	5640	8920	5470	7050	8510	7380	8250
15	8680	7820	19300	14400	32900	6870	9310	4520	e6520	7050	6720	14100
16	8650	7950	11000	16500	24900	6430	9980	3900	6600	8570	7660	29300
17	12900	7080	7560	12400	e19400	7940	8420	5560	e5170	7500	7570	52600
18	14000	7850	e9640	11000	23400	5570	7410	6540	5850	7280	8490	51600
19	13500	8690	9930	11400	23200	6010	9500	7320	6850	8480	6900	26600
20	14000	8250	9900	11100	15300	5430	8240	5890	5190	7520	5730	24800
21	11600	10300	9460	11000	15100	6470	7280	5560	6850	7770	4450	24400
22	10100	16600	9890	14400	11400	9420	6890	6400	9470	7560	3980	19900
23	11400	16600	10200	11300	11300	10900	6410	e5010	4620	e7860	6380	15900
24	9370	16400	8000	9770	14300	8570	e6720	e5980	4960	8130	7540	16200
25	5900	16600	8050	6430	11400	6210	7420	5150	4870	5570	7970	15700
26	5330	16600	8670	19500	17900	5510	7140	4650	6030	6260	7300	11900
27	7560	16500	5670	37400	20300	5830	7160	4910	7840	7230	6910	12400
28	8990	16900	7230	24300	19600	5760	8940	5380	7860	7120	e7190	16200
29	e7480	17000	10400	16500	15300	8100	8980	5240	10500	7020	4100	18900
30	6890	16500	8410	13100	---	7750	7970	5070	7980	7320	6790	19700
31	7570	---	10200	e14800	---	7600	---	5390	---	5820	7060	---
TOTAL	260940	313180	384910	412870	561200	277780	244740	186850	181740	258610	228180	510760
MEAN	8417	10440	12420	13320	19350	8961	8158	6027	6058	8342	7361	17030
MAX	14000	17000	21400	37400	33200	15000	12500	9260	10500	12400	14000	52600
MIN	4100	4950	5670	5570	11300	5430	6410	3900	3860	5570	3980	5960
CFSM	1.03	1.27	1.51	1.62	2.36	1.09	0.99	0.73	0.74	1.02	0.90	2.07
IN.	1.18	1.42	1.74	1.87	2.54	1.26	1.11	0.85	0.82	1.17	1.03	2.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	6394	8010	10980	13090	16800	19340	13530	9929	7895	8340	7282	6625
MAX	16730	23290	24660	31670	33800	45900	33400	25820	22920	38070	14550	17030
(WY)	1976	1993	1993	1978	1998	1990	1979	2003	2003	1994	1984	2004
MIN	2385	2998	3655	4726	4856	6912	4957	4536	3946	2425	2045	2265
(WY)	1987	1982	2000	1981	1989	2000	1999	1999	2000	1988	1988	1986

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	5,682,510		3,821,760			
ANNUAL MEAN	15,570		10,440		10,660	
HIGHEST ANNUAL MEAN					16,050	1998
LOWEST ANNUAL MEAN					4,950	2000
HIGHEST DAILY MEAN	66,300	May 11	52,600	Sept. 17	195,000	Jul 7, 1994
LOWEST DAILY MEAN	4,100	Oct. 6	3,860	June 7	0.00	Nov 22, 1987
ANNUAL SEVEN-DAY MINIMUM	6,370	Oct. 1	4,320	June 4	1,640	May 14, 1985
MAXIMUM PEAK FLOW			60,700	Sept. 17	202,000	Jul 7, 1994
MAXIMUM PEAK STAGE			101.78	Sept. 17	123.98	Jul 7, 1994
ANNUAL RUNOFF (CFSM)	1.90		1.27		1.30	
ANNUAL RUNOFF (INCHES)	25.75		17.32		17.64	
10 PERCENT EXCEEDS	30,400		17,700		21,300	
50 PERCENT EXCEEDS	11,600		8,250		8,330	
90 PERCENT EXCEEDS	7,350		5,560		1,980	

e Estimated

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 mi^2, approximately.
PERIOD OF RECORD.--October 1974 to current year.
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (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, 740,700 acre-ft, May 8, 2003, elevation, 639.88 ft; minimum, since first filling, 295,200 acre-ft, Nov. 8, 1985, elevation, 619.80 ft.
EXTREMES FOR CURRENT YEAR.--Maximum midnight contents, 631,300 acre-ft, June 29, elevation, 636.02 ft; minimum, 393,700acre-ft, Dec. 22, elevation, 625.54 ft.

MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	634.32	587,200	--	--
Oct. 31	633.35	563,000	-24,200	-394
Nov. 30	631.53	519,600	-43,400	-730
Dec. 31	626.31	408,500	-111,100	-1,810
CAL YR 2003			-66,900	-92
Jan. 31	629.18	467,200	+58,700	+956
Feb. 29	629.27	469,100	+1,900	+33
Mar. 31	630.99	507,100	+38,000	+619
Apr. 30	631.70	523,500	+16,400	+276
May 31	633.77	573,400	+49,900	+812
June 30	635.96	629,800	+56,400	+949
July 31	635.30	612,400	-17,400	-283
Aug. 31	633.30	561,800	-50,600	-824
Sept. 30	633.32	562,300	+500	+8
WTR YR 2004			-24,900	-34

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 mi^2, approximately.
PERIOD OF RECORD.--May 1962 to current year.
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (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 midnight contents, 940,800 acre-ft, Oct. 17, elevation, 190.14 ft; minimum, 821,700acre-ft Jan. 24, elevation, 187.39 ft.

MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	189.02	890,900	--	--
Oct. 31	188.61	873,300	-17,600	-286
Nov. 30	188.59	872,400	-900	-15
Dec. 31	189.39	907,300	+34,900	+568
CAL YR 2003			+25,900	+36
Jan. 31	188.34	861,700	-45,600	-742
Feb. 29	188.66	875,400	+13,700	+238
Mar. 31	188.56	871,100	-4,300	-70
Apr. 30	188.03	848,400	-22,700	-382
May 31	188.20	855,700	+7,300	+119
June 30	189.63	918,000	+62,300	+1,050
July 31	189.27	902,000	-16,000	-260
Aug. 31	188.79	881,000	-21,000	-342
Sept. 30	189.32	904,200	+23,200	+390
WTR YR 2004			+13,300	+18

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 mi^2.

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 NGVD of 1929. 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: Sept. 24-30. Records good. Prior to January 1941 moderate diurnal fluctuation at low flow caused by gristmills above station. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
No peak greater than base discharge.							

Minimum discharge, 140 ft^3/s, Aug. 9, 10, gage height, 3.58 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	450	428	1,030	628	905	1,370	494	1,990	306	748	261	196
2	409	409	793	597	809	1,170	475	2,270	418	704	225	271
3	394	393	616	570	741	1,070	461	2,270	559	1,000	216	361
4	388	392	682	560	679	1,010	450	1,580	599	667	205	380
5	376	404	727	569	637	964	442	1,100	501	549	190	345
6	371	412	709	577	1,400	953	432	653	418	473	171	281
7	373	413	654	549	2,060	939	427	489	370	429	160	369
8	380	407	604	528	1,460	874	451	413	343	658	149	439
9	379	403	566	524	1,270	799	556	357	356	795	143	466
10	391	388	627	553	1,060	741	535	318	396	443	148	404
11	512	379	687	558	946	708	480	297	494	321	220	348
12	680	383	652	539	2,120	694	463	290	408	279	384	318
13	626	368	649	521	2,770	676	760	353	427	250	522	304
14	538	354	1,020	508	3,260	660	854	546	411	241	427	296
15	482	350	1,020	505	3,160	654	671	545	516	245	314	278
16	437	350	876	500	2,460	683	566	521	644	421	260	2,350
17	422	355	821	499	1,920	700	491	462	724	331	226	2,470
18	390	371	733	693	1,570	664	448	423	1,290	303	203	1,750
19	378	1,070	653	791	1,290	623	423	424	654	444	184	1,370
20	370	1,120	601	721	1,150	593	405	490	587	339	173	926
21	361	867	557	622	1,090	573	391	736	517	282	180	655
22	368	698	537	551	1,010	547	379	696	575	249	199	492
23	363	546	539	521	1,010	526	372	515	464	225	263	425
24	360	519	767	510	1,510	515	364	500	502	209	290	e346
25	345	577	787	510	1,550	510	353	428	844	206	253	e298
26	345	567	743	1,000	2,350	509	353	340	1,220	189	226	e277
27	438	529	691	2,370	2,280	511	398	301	1,400	181	205	e270
28	609	1,040	618	2,720	1,930	513	416	274	1,070	240	211	e243
29	609	1,460	591	1,920	1,670	505	402	255	821	301	197	e229
30	514	1,270	645	1,610	---	501	1,680	242	677	360	238	e236
31	449	---	667	1,180	---	506	---	235	---	308	221	---
TOTAL	13,507	17,222	21,862	25,004	46,067	22,261	15,392	20,313	18,511	12,390	7,264	17,393
MEAN	436	574	705	807	1,589	718	513	655	617	400	234	580
MAX	680	1,460	1,030	2,720	3,260	1,370	1,680	2,270	1,400	1,000	522	2,470
MIN	345	350	537	499	637	501	353	235	306	181	143	196
CFSM	0.64	0.84	1.03	1.18	2.32	1.05	0.75	0.96	0.90	0.58	0.34	0.85
IN.	0.73	0.93	1.19	1.36	2.50	1.21	0.83	1.10	1.00	0.67	0.39	0.94

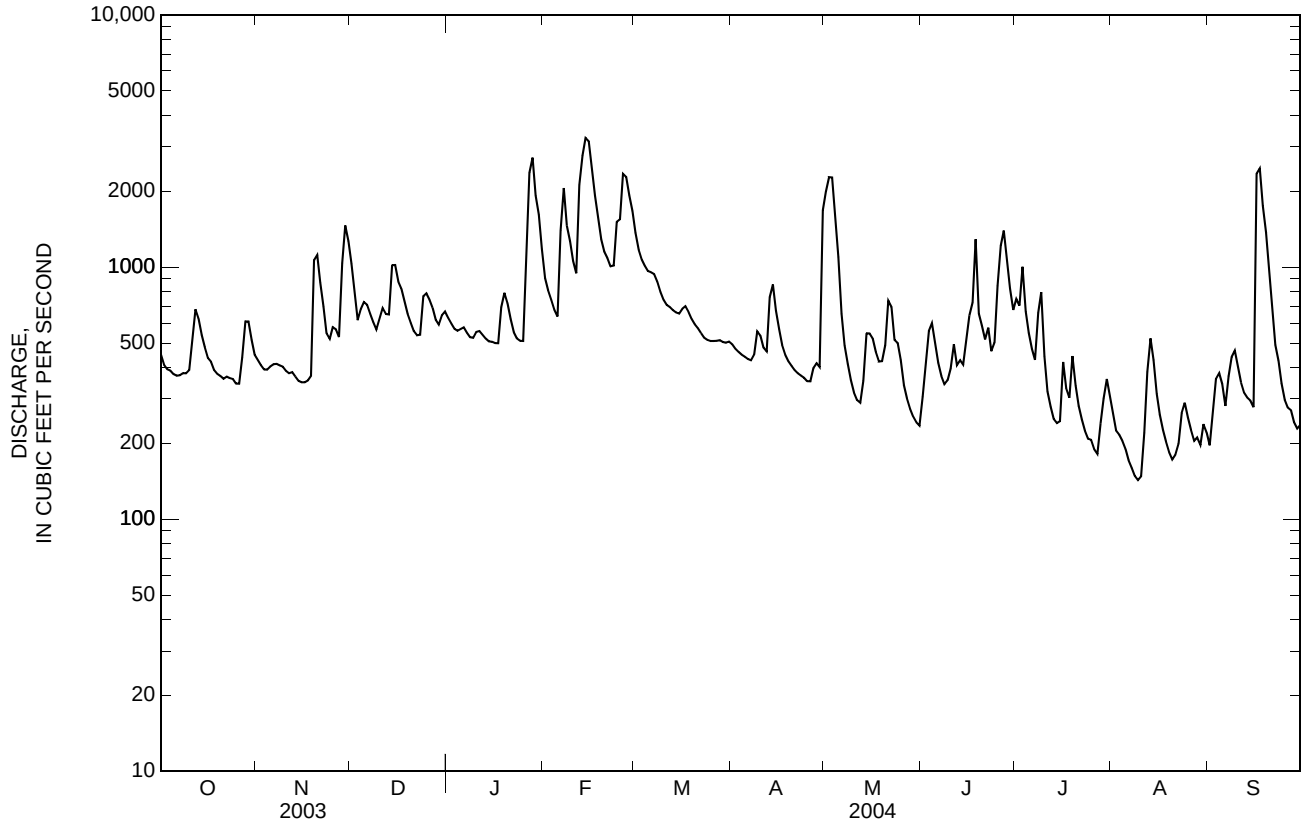
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2004, BY WATER YEAR (WY)

MEAN	410	583	967	1,420	1,549	1,839	1,430	782	594	710	570	482
MAX	1,707	2,641	4,544	5,739	2,862	5,926	4,323	2,619	1,667	7,668	2,384	2,274
(WY)	(1976)	(1949)	(1954)	(1925)	(1949)	(1990)	(1944)	(1953)	(1922)	(1994)	(1939)	(1937)
MIN	77.6	161	204	337	496	358	322	88.7	76.2	70.3	95.0	95.1
(WY)	(1988)	(1991)	(1956)	(1981)	(1989)	(1955)	(2000)	(2000)	(2000)	(2000)	(1988)	(1954)

02361000 CHOCTAWHATCHEE RIVER NEAR NEWTON, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1922 - 2004	
ANNUAL TOTAL	384,483		237,186			
ANNUAL MEAN	1,053		648		944	
HIGHEST ANNUAL MEAN					1,737	1949
LOWEST ANNUAL MEAN					325	2000
HIGHEST DAILY MEAN	6,360	Apr 9	3,260	Feb 14	72,200	Mar 18, 1990
LOWEST DAILY MEAN	296	Jun 2	143	Aug 9	37	Jul 26, 2000
ANNUAL SEVEN-DAY MINIMUM	358	May 30	167	Aug 4	43	Jul 22, 2000
MAXIMUM PEAK FLOW			3,710	Feb 14	87,500	Mar 18, 1990
MAXIMUM PEAK STAGE			11.58	Feb 14	40.30	Mar 18, 1990
ANNUAL RUNOFF (CFSM)	1.54		0.945		1.38	
ANNUAL RUNOFF (INCHES)	20.85		12.86		18.69	
10 PERCENT EXCEEDS	1,990		1,240		1,940	
50 PERCENT EXCEEDS	734		508		582	
90 PERCENT EXCEEDS	379		248		186	

e Estimated



02361000 CHOCTAWHATCHEE RIVER NEAR NEWTON, AL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.67	4.48	5.82	4.98	5.61	6.65	4.64	7.98	4.17	5.13	4.13	3.86
2	4.52	4.40	5.33	4.90	5.42	6.20	4.57	8.57	4.58	5.01	3.98	4.17
3	4.46	4.34	4.93	4.84	5.28	5.96	4.53	8.55	5.01	5.64	3.95	4.48
4	4.44	4.33	5.08	4.81	5.14	5.81	4.49	7.12	5.12	4.95	3.90	4.57
5	4.39	4.37	5.18	4.84	5.04	5.72	4.46	6.08	4.84	4.65	3.83	4.45
6	4.37	4.40	5.14	4.86	6.67	5.70	4.42	5.16	4.55	4.41	3.74	4.22
7	4.37	4.40	5.01	4.79	8.12	5.67	4.41	4.77	4.37	4.25	3.69	4.52
8	4.40	4.38	4.88	4.72	6.86	5.55	4.49	4.57	4.26	4.89	3.63	4.73
9	4.38	4.35	4.78	4.72	6.42	5.40	4.82	4.41	4.29	5.54	3.60	4.81
10	4.43	4.29	4.93	4.81	5.92	5.28	4.77	4.31	4.42	4.74	3.62	4.63
11	4.83	4.26	5.08	4.82	5.68	5.20	4.59	4.25	4.74	4.37	3.96	4.47
12	5.28	4.27	5.00	4.76	8.21	5.17	4.53	4.21	4.44	4.21	4.54	4.36
13	5.15	4.21	5.00	4.71	9.60	5.13	5.29	4.42	4.50	4.09	4.95	4.30
14	4.91	4.16	5.77	4.67	10.63	5.09	5.51	5.00	4.42	4.05	4.70	4.27
15	4.73	4.13	5.76	4.67	10.44	5.08	5.12	5.00	4.77	4.07	4.34	4.20
16	4.57	4.13	5.48	4.65	8.94	5.15	4.86	4.91	5.10	4.68	4.13	8.75
17	4.51	4.15	5.38	4.64	7.84	5.18	4.63	4.75	5.27	4.40	3.99	8.96
18	4.39	4.20	5.20	5.15	7.10	5.10	4.48	4.64	6.48	4.30	3.89	7.48
19	4.34	5.95	5.02	5.37	6.47	5.00	4.39	4.64	5.08	4.74	3.80	6.70
20	4.31	6.06	4.89	5.23	6.15	4.93	4.33	4.83	4.90	4.43	3.75	5.83
21	4.27	5.52	4.78	5.00	5.99	4.88	4.28	5.44	4.69	4.22	3.79	5.26
22	4.29	5.16	4.72	4.82	5.80	4.81	4.23	5.35	4.84	4.08	3.87	4.87
23	4.27	4.78	4.73	4.73	5.84	4.74	4.20	4.90	4.48	3.98	4.14	4.69
24	4.26	4.70	5.28	4.69	6.96	4.71	4.18	4.86	4.57	3.91	4.25	---
25	4.20	4.86	5.33	4.69	7.05	4.69	4.14	4.63	5.40	3.90	4.10	---
26	4.20	4.83	5.23	5.82	8.70	4.69	4.14	4.33	6.22	3.83	3.99	---
27	4.52	4.72	5.11	8.74	8.56	4.69	4.30	4.17	6.68	3.79	3.90	---
28	5.05	5.87	4.94	9.49	7.87	4.70	4.37	4.07	5.83	4.05	3.93	---
29	5.05	6.86	4.88	7.85	7.32	4.67	4.32	3.99	5.30	4.29	3.86	---
30	4.77	6.40	5.02	7.20	---	4.66	7.31	3.93	4.97	4.50	4.04	---
31	4.55	---	5.07	6.21	---	4.68	---	3.90	---	4.32	3.97	---
MEAN	4.54	4.77	5.12	5.36	7.09	5.19	4.63	5.09	4.94	4.43	4.00	---
MAX	5.28	6.86	5.82	9.49	10.63	6.65	7.31	8.57	6.68	5.64	4.95	---
MIN	4.20	4.13	4.72	4.64	5.04	4.66	4.14	3.90	4.17	3.79	3.60	---

CAL YR 2003 MEAN 5.95 MAX 16.57 MIN 4.10

02361500 CHOCTAWHATCHEE RIVER NEAR BELLWOOD, AL

LOCATION.--Lat 31° 09'33", long 85° 47'04", in SW$^1/_4$ sec. 7, T. 2 N., R. 23 E., Geneva County, Hydrologic Unit 3140201, at bridge on county road, 0.1 mi downstream of Wilkerson Creek, 1 mi southeast of Bellwood, 4.0 mi downstream of Claybank Creek, and at mile 109.3.

DRAINAGE AREA.--1,280 mi^2.

PERIOD OF RECORD.--December 1921 to October 1925, December 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 90 ft above NGVD of 1929 (from topographic map). From December 1921 to October 1925, gage located 1.2 mi upstream of current location.

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.--Peak discharges greater than base discharge of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
No peaks greater than base discharge.							

Minimum discharge, 428 ft^3/s, Aug. 10, gage height, 3.82 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

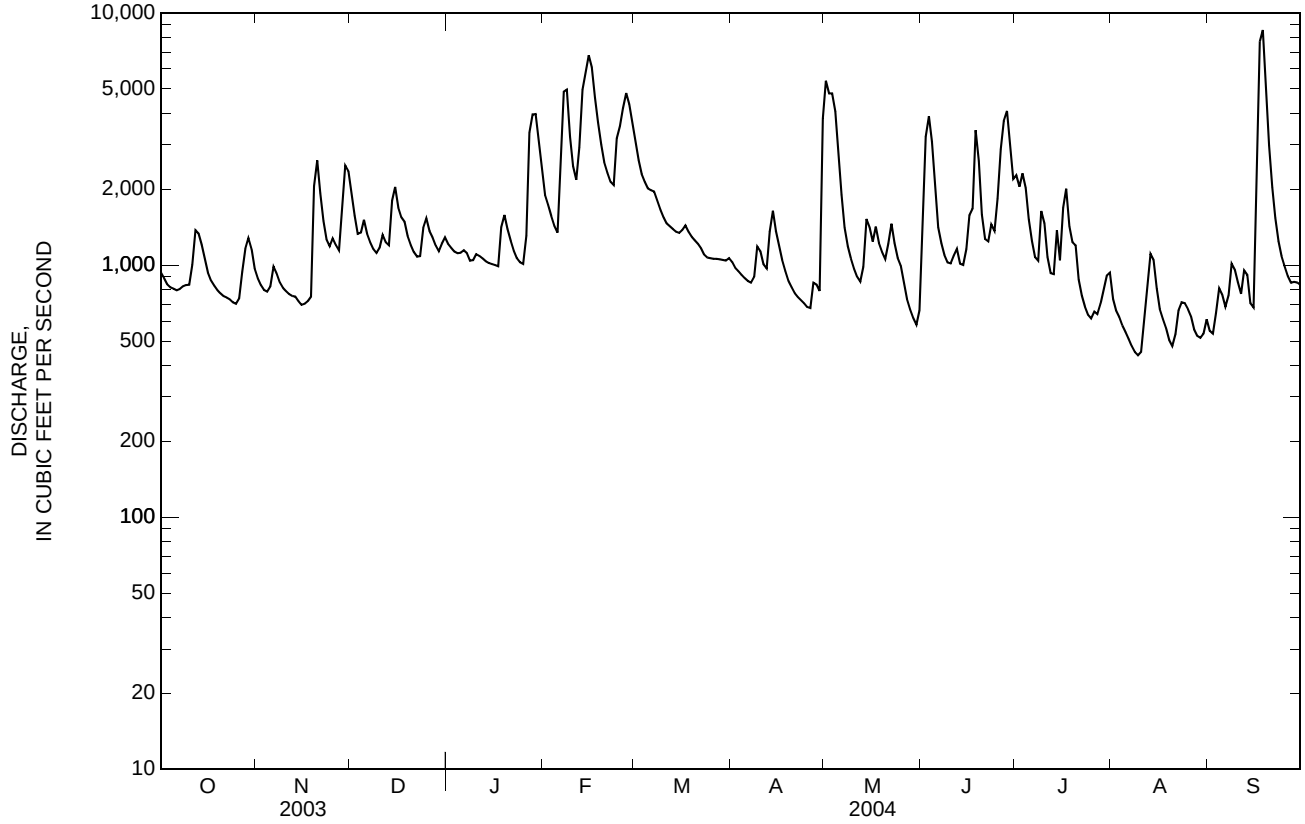
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	933	886	1,930	1,210	1,900	3,120	1,030	5,390	1,580	2,270	734	549
2	885	833	1,570	1,170	1,740	2,610	975	4,800	3,230	2,050	660	535
3	838	796	1,330	1,130	1,570	2,300	946	4,800	3,890	2,310	623	644
4	815	785	1,350	1,110	1,430	2,140	916	4,070	3,090	2,020	577	809
5	806	824	1,510	1,120	1,350	2,020	887	2,820	2,020	1,520	543	764
6	795	988	1,330	1,140	2,240	1,980	865	1,900	1,410	1,250	511	685
7	804	929	1,230	1,110	4,880	1,960	852	1,410	1,220	1,080	477	761
8	824	854	1,160	1,040	4,970	1,800	900	1,190	1,100	1,040	453	1,010
9	833	814	1,120	1,050	3,230	1,660	1,190	1,070	1,020	1,640	439	960
10	836	789	1,170	1,110	2,470	1,550	1,140	969	1,020	1,460	453	856
11	1,000	768	1,320	1,090	2,180	1,460	1,010	901	1,090	1,080	622	770
12	1,380	755	1,230	1,060	2,930	1,430	971	861	1,160	929	841	953
13	1,340	751	1,200	1,040	4,970	1,390	1,360	985	1,010	920	1,110	914
14	1,200	719	1,810	1,020	5,750	1,360	1,640	1,520	1,000	1,380	1,050	707
15	1,060	695	2,040	1,010	6,790	1,340	1,360	1,420	1,160	1,050	809	679
16	935	703	1,690	1,000	6,100	1,380	1,190	1,240	1,570	1,690	669	3,250
17	869	719	1,550	989	4,610	1,440	1,050	1,420	1,670	2,010	610	7,710
18	830	749	1,480	1,420	3,680	1,360	947	1,220	3,430	1,430	564	8,560
19	798	2,060	1,310	1,580	3,010	1,300	867	1,130	2,590	1,230	504	4,810
20	773	2,600	1,200	1,390	2,560	1,260	817	1,060	1,590	1,200	478	2,990
21	754	1,930	1,130	1,250	2,320	1,220	775	1,220	1,270	878	533	2,040
22	744	1,500	1,080	1,140	2,140	1,170	748	1,460	1,240	756	660	1,540
23	732	1,270	1,090	1,060	2,080	1,100	726	1,220	1,450	686	711	1,240
24	712	1,190	1,410	1,030	3,180	1,070	705	1,070	1,370	635	706	1,090
25	703	1,280	1,530	1,010	3,560	1,070	682	996	1,830	614	669	986
26	738	1,200	1,370	1,310	4,200	1,060	676	850	2,880	654	627	905
27	938	1,140	1,290	3,350	4,820	1,060	852	734	3,730	639	555	852
28	1,160	1,670	1,190	3,960	4,350	1,050	838	666	4,090	704	525	858
29	1,280	2,480	1,130	3,980	3,650	1,050	789	618	3,100	794	515	854
30	1,160	2,360	1,220	3,090	---	1,040	3,820	581	2,190	910	534	836
31	970	---	1,290	2,470	---	1,060	---	662	---	935	610	---
TOTAL	28,445	35,037	42,260	46,439	98,660	46,810	31,524	50,253	59,000	37,764	19,372	50,117
MEAN	918	1,168	1,363	1,498	3,402	1,510	1,051	1,621	1,967	1,218	625	1,671
MAX	1,380	2,600	2,040	3,980	6,790	3,120	3,820	5,390	4,090	2,310	1,110	8,560
MIN	703	695	1,080	989	1,350	1,040	676	581	1,000	614	439	535
CFSM	0.72	0.91	1.07	1.17	2.66	1.18	0.82	1.27	1.54	0.95	0.49	1.31
IN.	0.83	1.02	1.23	1.35	2.87	1.36	0.92	1.46	1.71	1.10	0.56	1.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2004, BY WATER YEAR (WY)

MEAN	642	836	1,317	2,498	2,221	2,905	1,976	1,221	1,627	1,410	1,142	910
MAX	918	1,168	2,227	7,874	3,402	6,064	3,635	1,980	2,853	3,647	3,140	1,671
(WY)	(2004)	(2004)	(1923)	(1925)	(2004)	(2001)	(2003)	(1923)	(1922)	(2003)	(2003)	(2004)
MIN	474	526	685	841	1,004	1,489	983	441	459	579	387	247
(WY)	(2002)	(1925)	(2002)	(2002)	(2002)	(2002)	(1925)	(2002)	(2002)	(2002)	(1925)	(1925)

02361500 CHOCTAWHATCHEE RIVER NEAR BELLWOOD, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1922 - 2004	
ANNUAL TOTAL	771,342		545,681			
ANNUAL MEAN	2,113		1,491		1,568	
HIGHEST ANNUAL MEAN					2,111	2003
LOWEST ANNUAL MEAN					741	2002
HIGHEST DAILY MEAN	11,300	Apr 9	8,560	Sep 18	26,000	Jan 19, 1925
LOWEST DAILY MEAN	556	Jun 2	439	Aug 9	175	Sep 26, 1925
ANNUAL SEVEN-DAY MINIMUM	710	May 30	493	Aug 4	196	Sep 20, 1925
MAXIMUM PEAK FLOW			9,960	Sep 18	26,600	Jan 19, 1925
MAXIMUM PEAK STAGE			13.28	Sep 18	18.00	Jan 19, 1925
ANNUAL RUNOFF (CFSM)	1.65		1.16		1.23	
ANNUAL RUNOFF (INCHES)	22.42		15.86		16.65	
10 PERCENT EXCEEDS	3,950		3,030		3,160	
50 PERCENT EXCEEDS	1,550		1,120		1,060	
90 PERCENT EXCEEDS	798		678		445	



02361500 CHOCTAWHATCHEE RIVER NEAR BELLWOOD, AL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.15	5.03	7.11	5.69	7.05	8.81	5.22	11.05	6.29	7.65	4.82	4.25
2	5.03	4.89	6.46	5.59	6.77	8.15	5.08	10.58	8.94	7.30	4.60	4.20
3	4.90	4.79	5.97	5.49	6.45	7.70	5.00	10.59	9.71	7.72	4.48	4.55
4	4.84	4.76	6.00	5.45	6.19	7.45	4.93	9.89	8.77	7.26	4.34	5.03
5	4.82	4.87	6.35	5.46	6.01	7.25	4.85	8.42	7.24	6.36	4.23	4.90
6	4.79	5.28	5.97	5.52	7.39	7.19	4.79	7.05	6.14	5.77	4.12	4.67
7	4.81	5.14	5.74	5.45	10.64	7.16	4.76	6.14	5.71	5.36	4.00	4.89
8	4.87	4.95	5.56	5.26	10.71	6.89	4.89	5.64	5.40	5.26	3.91	5.48
9	4.89	4.84	5.46	5.28	8.94	6.63	5.63	5.32	5.21	6.56	3.86	5.37
10	4.90	4.77	5.60	5.43	7.95	6.41	5.50	5.07	5.19	6.24	3.91	5.15
11	5.31	4.71	5.95	5.38	7.51	6.25	5.17	4.89	5.39	5.35	4.47	4.92
12	6.11	4.67	5.74	5.32	8.52	6.18	5.07	4.78	5.56	4.96	5.11	5.34
13	6.04	4.66	5.66	5.25	10.72	6.11	6.00	5.11	5.18	4.94	5.67	5.24
14	5.77	4.57	6.87	5.20	11.27	6.03	6.59	6.36	5.15	6.05	5.55	4.74
15	5.46	4.50	7.29	5.18	11.84	6.00	6.04	6.15	5.55	5.27	5.02	4.65
16	5.15	4.53	6.68	5.15	11.46	6.08	5.63	5.76	6.47	6.67	4.63	8.59
17	4.99	4.57	6.41	5.12	10.41	6.20	5.28	6.15	6.64	7.23	4.44	12.26
18	4.88	4.66	6.29	6.13	9.48	6.03	5.01	5.72	9.19	6.23	4.29	12.66
19	4.79	7.26	5.92	6.48	8.67	5.90	4.80	5.49	8.07	5.90	4.09	10.52
20	4.73	8.14	5.67	6.11	8.08	5.80	4.67	5.30	6.49	5.83	4.00	8.65
21	4.67	7.10	5.48	5.80	7.74	5.71	4.55	5.70	5.83	5.19	4.19	7.31
22	4.64	6.31	5.37	5.51	7.46	5.58	4.47	6.24	5.76	4.88	4.60	6.46
23	4.61	5.82	5.37	5.32	7.35	5.42	4.41	5.72	6.22	4.67	4.75	5.93
24	4.55	5.63	6.12	5.22	8.88	5.34	4.35	5.33	6.06	4.52	4.74	5.61
25	4.53	5.85	6.39	5.18	9.35	5.32	4.29	5.14	6.93	4.46	4.63	5.39
26	4.63	5.66	6.05	5.82	10.03	5.31	4.26	4.75	8.51	4.58	4.49	5.21
27	5.15	5.52	5.88	9.08	10.60	5.31	4.76	4.44	9.53	4.53	4.27	5.07
28	5.68	6.60	5.65	9.79	10.18	5.30	4.72	4.24	9.92	4.73	4.17	5.09
29	5.93	7.97	5.50	9.81	9.45	5.28	4.59	4.09	8.79	4.98	4.13	5.07
30	5.66	7.79	5.71	8.77	---	5.26	9.41	3.97	7.53	5.25	4.20	5.03
31	5.24	---	5.88	7.94	---	5.32	---	4.20	---	5.31	4.44	---
MEAN	5.08	5.53	6.00	6.07	8.87	6.24	5.16	6.11	6.91	5.71	4.46	6.07
MAX	6.11	8.14	7.29	9.81	11.84	8.81	9.41	11.05	9.92	7.72	5.67	12.66
MIN	4.53	4.50	5.37	5.12	6.01	5.26	4.26	3.97	5.15	4.46	3.86	4.20

CAL YR	2003	MEAN 7.04	MAX 13.81	MIN 4.28
WTR YR	2004	MEAN 6.00	MAX 12.66	MIN 3.86

02362000 CHOCTAWHATCHEE RIVER NEAR GENEVA, AL

LOCATION.--Lat 31° 02'28", long 85° 51'08", in SE $^1/_4$ sec. 21, T. 1 N., R. 22 E., on State Highway 52 bridge, $^3/_4$ mi upstream of Double Bridges Creek, 1 mi NE of Geneva, and $1^1/_2$ mi upstream of Pea River.

DRAINAGE AREA.--1346 mi^2.

PERIOD OF RECORD.--October 1922 to November 1925. October 1972 to September 1997 (gage height). November 2002 to current year (gage height).

GAGE.--Water-stage recorder. Datum of gage 62.80 ft above NGVD of 1929.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.46 ft, Sept. 18, 19; minimum gage height, 2.80 ft, Aug. 9.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.66	4.34	6.99	5.06	8.86	10.48	4.70	12.27	4.98	8.69	4.03	3.36
2	4.52	4.18	6.15	4.90	7.25	9.63	4.56	13.41	8.17	7.54	3.74	3.28
3	4.40	4.09	---	4.79	6.18	8.61	4.44	12.53	9.86	7.31	3.60	3.46
4	4.33	4.01	---	4.69	5.64	7.64	4.38	11.50	9.24	7.07	3.46	4.09
5	4.28	4.08	---	4.69	5.30	7.13	4.29	9.46	7.46	6.02	3.33	4.67
6	4.22	4.37	---	4.79	6.93	6.90	4.20	7.19	5.77	5.27	3.22	4.21
7	4.21	4.46	---	4.72	10.81	6.82	4.17	5.81	5.06	4.79	3.10	3.80
8	4.25	4.24	---	4.54	12.26	6.62	4.22	5.13	4.96	4.57	2.99	4.28
9	4.27	4.12	---	4.47	11.90	6.32	4.70	4.72	4.51	5.19	2.93	4.39
10	4.27	4.03	4.72	4.59	9.98	6.07	4.88	4.45	4.47	5.76	2.99	4.20
11	4.54	3.95	5.10	4.61	8.80	5.87	4.55	4.27	4.49	4.86	3.20	3.99
12	5.24	3.91	5.13	4.54	9.19	5.76	4.34	4.16	4.80	4.35	3.99	4.09
13	5.45	3.88	4.97	4.47	10.84	5.67	4.85	4.38	4.57	4.25	4.52	4.44
14	5.21	3.83	5.81	4.41	13.79	5.58	5.63	5.13	4.49	5.64	4.70	3.81
15	4.89	3.73	7.01	4.38	15.26	5.54	5.36	5.52	4.77	4.82	4.23	3.69
16	4.58	3.71	6.62	4.35	15.47	5.57	4.85	5.19	6.39	6.86	3.79	8.59
17	4.37	3.76	5.95	4.32	14.27	5.74	4.50	5.36	6.90	7.45	3.54	15.06
18	4.24	3.80	5.72	5.30	12.16	5.60	4.23	5.22	8.04	6.27	3.40	18.87
19	4.16	5.73	5.35	5.86	10.14	5.45	4.06	4.75	8.43	5.64	3.22	19.06
20	4.09	7.26	5.04	5.54	8.57	5.32	3.91	4.56	6.40	5.32	3.09	16.88
21	4.03	6.90	4.81	5.15	7.73	5.23	3.81	4.65	5.38	4.62	3.18	13.21
22	3.99	5.82	4.65	4.82	7.23	5.10	3.72	5.21	4.93	4.20	3.51	8.83
23	3.94	5.21	4.59	4.58	7.05	4.94	3.66	5.10	5.43	3.95	3.76	6.34
24	3.90	4.89	5.11	4.44	8.78	4.83	3.61	4.56	5.58	3.77	3.72	5.42
25	3.86	5.07	5.64	4.30	10.25	4.79	3.55	4.39	6.01	3.62	3.71	4.86
26	3.99	4.95	5.43	4.54	11.61	4.78	3.51	4.11	8.21	3.68	3.59	4.53
27	4.31	4.76	5.23	7.72	12.42	4.76	3.79	3.76	10.78	3.67	3.36	4.31
28	4.80	5.39	5.02	10.41	12.67	4.74	4.00	3.57	11.66	3.76	3.20	4.20
29	5.10	7.25	4.79	11.59	11.64	4.73	3.82	3.42	12.22	3.96	3.15	4.20
30	5.04	7.79	4.92	11.42	---	4.70	7.79	3.28	10.67	4.08	3.13	4.12
31	4.60	---	5.18	10.23	---	4.71	---	3.40	---	4.45	3.40	---
MEAN	4.44	4.78	---	5.62	10.10	5.99	4.40	5.82	6.82	5.21	3.51	6.61
MAX	5.45	7.79	---	11.59	15.47	10.48	7.79	13.41	12.22	8.69	4.70	19.06
MIN	3.86	3.71	---	4.30	5.30	4.70	3.51	3.28	4.47	3.62	2.93	3.28

02362240 LITTLE DOUBLE BRIDGES CREEK NEAR ENTERPRISE, AL

LOCATION.--Lat 31° 16'20", long 85° 57'30", in SW $^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 195 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 26	1730	565	7.73	Apr 30	0700	867	8.48
Feb 6	1800	453	7.36	Sep 16	1430	*1,490	*9.55

Minimum discharge, 7.7 ft^3/s, May 30, gage height, 2.71 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

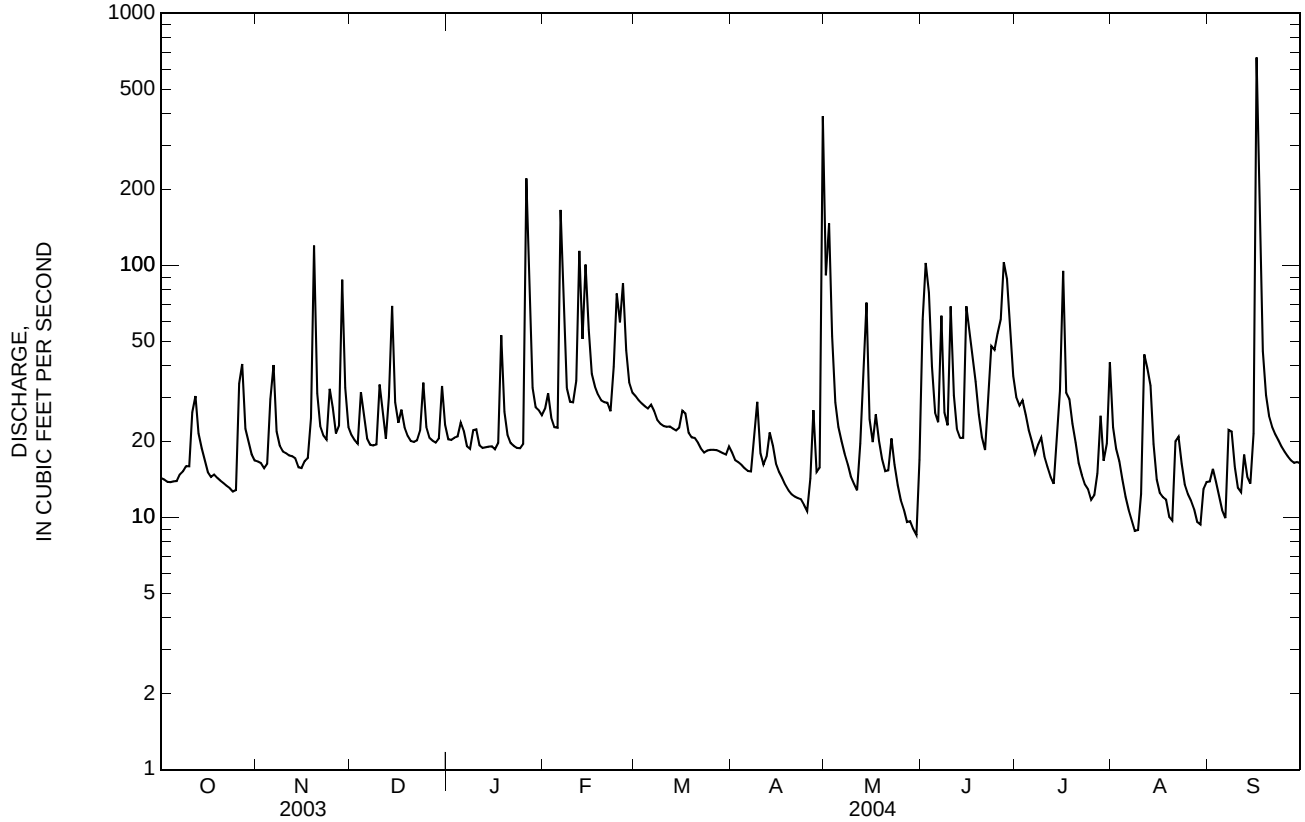
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	17	21	20	27	30	18	92	61	30	23	14
2	14	16	20	20	31	29	17	147	102	28	19	16
3	14	16	20	21	25	28	17	53	78	29	17	14
4	14	16	31	21	23	28	16	29	40	26	14	12
5	14	30	25	24	23	27	16	23	26	22	12	11
6	14	40	21	22	166	28	15	20	24	20	11	10
7	15	22	19	19	70	26	15	18	63	18	9.8	22
8	15	19	19	19	33	24	21	16	26	19	8.9	22
9	16	18	19	22	29	24	29	15	23	21	8.9	16
10	16	18	34	22	29	23	18	14	69	17	12	13
11	26	18	26	19	35	23	16	13	31	16	44	13
12	30	18	21	19	114	23	17	20	22	15	39	18
13	22	17	30	19	51	23	22	37	21	14	33	15
14	19	16	69	19	101	22	19	71	21	20	20	14
15	17	16	29	19	56	23	16	25	69	32	14	22
16	15	17	24	19	37	27	15	20	54	95	13	668
17	14	17	27	20	33	26	14	26	43	31	12	146
18	15	25	23	53	31	22	13	20	35	29	12	46
19	14	120	21	26	29	21	13	17	26	24	10	31
20	14	31	20	21	29	21	12	15	21	20	9.7	25
21	14	23	20	20	29	20	12	15	19	16	20	23
22	13	21	20	19	26	19	12	21	32	15	21	21
23	13	20	22	19	40	18	12	16	48	14	16	20
24	13	32	34	19	77	18	11	13	46	13	14	19
25	13	27	23	20	60	19	11	12	54	12	12	18
26	34	22	21	222	85	19	14	11	61	12	12	17
27	41	23	20	86	46	19	27	9.6	103	15	11	17
28	23	88	20	33	34	18	15	9.7	88	25	9.6	16
29	20	33	21	27	31	18	16	9.0	59	17	9.4	17
30	18	23	33	27	---	18	391	8.5	36	20	13	16
31	17	---	23	25	---	19	---	17	---	41	14	---
TOTAL	551	819	776	961	1,400	703	860	832.8	1,401	726	494.3	1,332
MEAN	17.8	27.3	25.0	31.0	48.3	22.7	28.7	26.9	46.7	23.4	15.9	44.4
MAX	41	120	69	222	166	30	391	147	103	95	44	668
MIN	13	16	19	19	23	18	11	8.5	19	12	8.9	10
CFSM	0.83	1.28	1.17	1.45	2.26	1.06	1.34	1.26	2.18	1.09	0.75	2.07
IN.	0.96	1.42	1.35	1.67	2.43	1.22	1.49	1.45	2.44	1.26	0.86	2.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	25.5	31.6	32.8	45.4	48.4	70.8	35.3	23.0	27.4	36.3	20.1	25.7
MAX	97.7	76.7	48.6	93.8	87.5	322	74.8	47.5	52.9	282	46.3	121
(WY)	(1996)	(1996)	(1986)	(1991)	(1997)	(1990)	(1996)	(1996)	(2003)	(1994)	(1994)	(1998)
MIN	5.44	11.7	12.6	15.5	20.5	19.7	10.8	3.73	5.20	1.93	2.79	8.96
(WY)	(2001)	(2002)	(2002)	(2002)	(2001)	(2002)	(2000)	(2000)	(2000)	(2000)	(2000)	(1990)

02362240 LITTLE DOUBLE BRIDGES CREEK NEAR ENTERPRISE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	12,461		10,856.1			
ANNUAL MEAN	34.1		29.7		35.2	
HIGHEST ANNUAL MEAN					63.3	1994
LOWEST ANNUAL MEAN					13.9	2000
HIGHEST DAILY MEAN	255	Jul 1	668	Sep 16	5,000	Mar 17, 1990
LOWEST DAILY MEAN	12	Jun 2	8.5	May 30	1.1	Jul 20, 2000
ANNUAL SEVEN-DAY MINIMUM	13	Oct 19	10	May 24	1.3	Aug 11, 2000
MAXIMUM PEAK FLOW			1,490	Sep 16	14,200	Jul 6, 1994
MAXIMUM PEAK STAGE			9.55	Sep 16	16.45	Jul 6, 1994
INSTANTANEOUS LOW FLOW					3.4	Jul 19, 2001
ANNUAL RUNOFF (CFSM)	1.60		1.39		1.65	
ANNUAL RUNOFF (INCHES)	21.66		18.87		22.36	
10 PERCENT EXCEEDS	58		47		60	
50 PERCENT EXCEEDS	24		20		21	
90 PERCENT EXCEEDS	16		13		8.7	



02363000 PEA RIVER NEAR ARITON, AL

LOCATION.--Lat 31° 35'41", long 85° 46'59", in SW $^1/_4$ 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 mi^2.

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. WDR AL-01-1: 2000.

GAGE.--Water-stage recorder. Datum of gage is 246.72 ft above NGVD of 1929. Prior to Nov. 22, 1938, 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, about 25 ft, present site and datum, March 1929, from information by local residents (discharge not determined).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)

No peak greater than base discharge.

Minimum discharge, 30 ft^3/s, Aug. 9, 10, gage height, 1.80 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

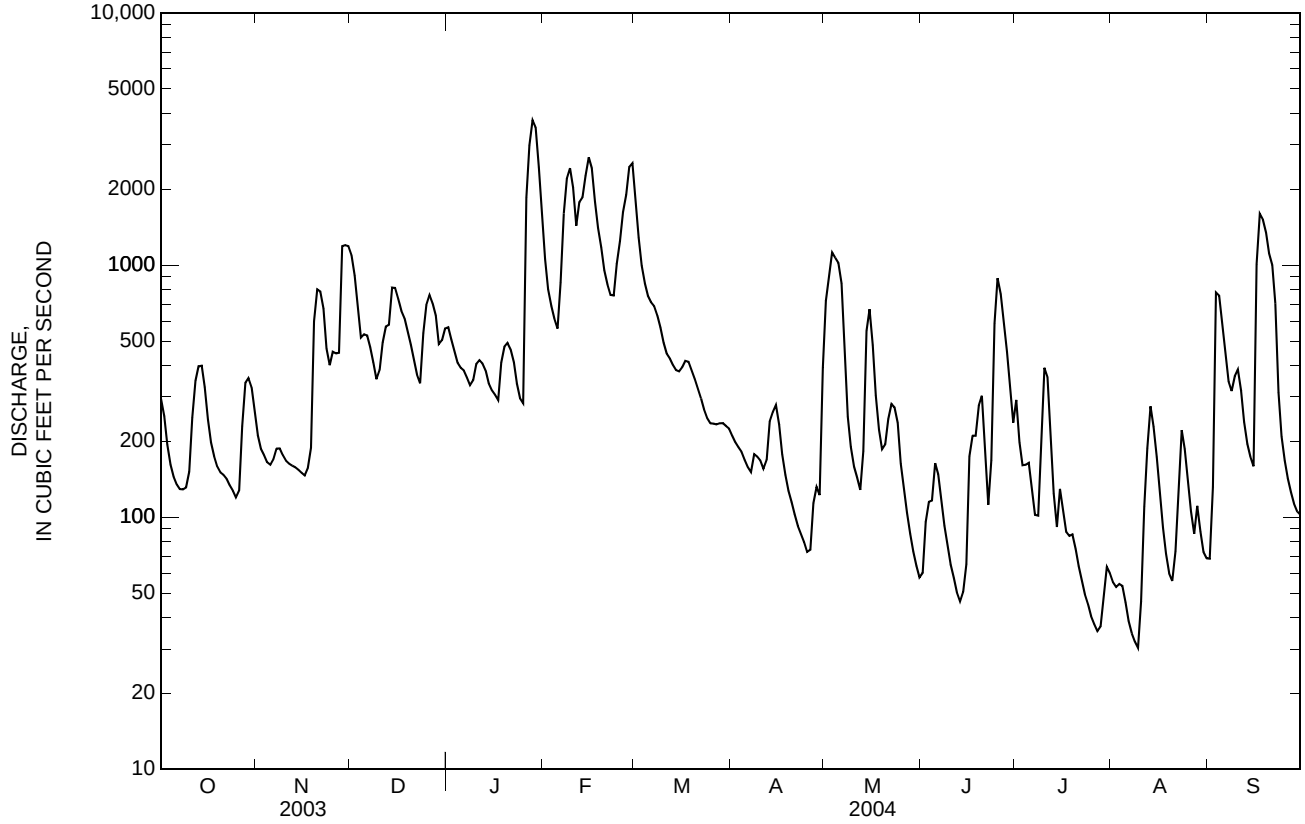
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	294	211	1,100	567	1,060	1,780	210	721	60	292	55	69
2	252	187	909	507	801	1,280	198	906	96	198	53	132
3	194	176	681	457	689	995	189	1,120	115	161	54	779
4	162	165	516	410	614	846	182	1,070	116	162	53	757
5	145	162	531	391	560	756	169	1,020	164	164	46	581
6	135	170	526	382	853	712	158	846	148	130	39	451
7	129	187	473	358	1,600	687	151	425	115	102	35	346
8	129	187	410	335	2,200	631	178	250	92	102	32	317
9	131	176	352	350	2,420	566	174	190	77	185	30	363
10	152	167	383	405	2,030	492	168	159	65	392	46	385
11	249	163	494	419	1,430	446	156	144	57	360	110	318
12	348	160	571	408	1,780	426	169	128	50	203	188	239
13	397	158	580	381	1,860	402	240	183	46	124	275	196
14	399	154	814	340	2,260	383	262	548	50	91	229	174
15	328	150	812	319	2,680	379	279	669	65	130	173	159
16	244	146	733	306	2,430	394	233	482	174	105	124	1,010
17	198	156	658	291	1,780	417	178	304	211	88	91	1,600
18	174	188	615	410	1,400	413	147	222	210	84	72	1,520
19	159	599	546	475	1,170	383	127	186	277	85	60	1,350
20	151	801	484	491	955	353	115	195	303	75	56	1,110
21	147	787	422	462	838	325	103	245	174	64	73	1,000
22	142	673	367	412	763	296	92	281	112	56	117	706
23	134	467	340	339	758	268	86	273	168	49	221	312
24	127	401	538	296	1,010	247	80	237	588	45	186	209
25	120	453	694	283	1,240	236	73	163	887	40	142	168
26	128	447	762	1,850	1,620	235	74	129	767	38	105	143
27	230	449	706	2,990	1,900	233	114	104	591	35	86	126
28	342	1,190	631	3,760	2,450	236	132	86	453	37	111	113
29	356	1,200	486	3,520	2,540	236	122	73	323	49	88	105
30	327	1,190	504	2,450	---	230	391	64	237	64	73	102
31	262	---	560	1,550	---	225	---	58	---	60	69	---
TOTAL	6,685	11,720	18,198	25,914	43,691	15,508	4,950	11,481	6,791	3,770	3,092	14,840
MEAN	216	391	587	836	1,507	500	165	370	226	122	99.7	495
MAX	399	1,200	1,100	3,760	2,680	1,780	391	1,120	887	392	275	1,600
MIN	120	146	340	283	560	225	73	58	46	35	30	69
CFSM	0.43	0.78	1.18	1.68	3.03	1.00	0.33	0.74	0.45	0.24	0.20	0.99
IN.	0.50	0.88	1.36	1.94	3.26	1.16	0.37	0.86	0.51	0.28	0.23	1.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	213	334	634	870	1,070	1,427	986	444	340	418	310	236
MAX	1,404	2,305	2,558	2,930	2,147	4,272	3,411	1,693	1,222	3,587	1,526	961
(WY)	(1965)	(1949)	(1954)	(1943)	(1998)	(1990)	(1944)	(1953)	(1970)	(1994)	(1939)	(1956)
MIN	10.5	37.1	98.8	212	246	183	134	33.0	15.2	7.39	20.6	13.6
(WY)	(1988)	(1942)	(1956)	(1989)	(2000)	(1955)	(1967)	(2000)	(2000)	(2000)	(1988)	(1954)

02363000 PEA RIVER NEAR ARITON, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	307,266		166,640			
ANNUAL MEAN	842		455		605	
HIGHEST ANNUAL MEAN					1,094	1949
LOWEST ANNUAL MEAN					171	2000
HIGHEST DAILY MEAN	4,960	Jul 4	3,760	Jan 28	38,200	Mar 18, 1990
LOWEST DAILY MEAN	120	Oct 25	30	Aug 9	3.3	Jul 29, 2000
ANNUAL SEVEN-DAY MINIMUM	136	Oct 20	40	Aug 4	4.0	Jul 24, 2000
MAXIMUM PEAK FLOW			3,970	Jan 28	47,700	Mar 17, 1990
MAXIMUM PEAK STAGE			11.14	Jan 28	24.87	Mar 17, 1990
ANNUAL RUNOFF (CFSM)	1.69		0.914		1.21	
ANNUAL RUNOFF (INCHES)	22.95		12.45		16.50	
10 PERCENT EXCEEDS	1,740		1,060		1,380	
50 PERCENT EXCEEDS	570		248		300	
90 PERCENT EXCEEDS	196		73		46	



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

LOCATION.--Lat 31° 24'48", long 86° 03'47", in SW $^1/_4$ SE $^1/_4$ 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 mi^2.

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.--Water-stage recorder. Datum of gage is 159.24 ft above NGVD of 1929. Prior to June 19, 1934, at datum 0.1 ft lower.

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

COOPERATION.--Station is a National Weather Service river forecast location.

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, 22.96 ft, Sept. 17; minimum gage height, 2.86 ft, Aug. 8.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.26	4.90	8.11	6.80	8.81	10.93	5.43	9.04	3.57	8.93	4.53	7.00
2	5.07	4.67	7.57	6.56	7.82	9.60	5.28	9.38	5.08	7.91	5.34	7.73
3	4.89	4.36	7.10	6.35	7.33	8.70	5.18	9.16	6.71	7.30	5.08	9.34
4	4.64	4.34	6.88	6.23	7.03	8.15	5.11	8.58	6.97	7.02	4.62	9.82
5	4.50	---	---	6.14	6.83	7.87	5.03	8.20	6.58	6.70	5.78	8.92
6	4.41	4.49	---	6.09	8.62	7.73	4.87	7.95	6.62	6.53	4.47	7.73
7	4.32	4.53	---	5.92	11.31	7.64	4.78	7.33	6.88	6.33	3.99	7.56
8	4.36	4.52	---	5.77	11.81	7.41	4.85	6.61	6.46	6.53	3.07	7.75
9	4.38	4.44	---	5.79	11.24	7.17	5.31	6.26	6.83	7.54	4.09	7.56
10	4.42	4.33	---	6.09	10.66	6.98	5.62	5.98	6.35	7.15	5.65	7.28
11	4.96	4.24	7.13	6.10	9.81	6.82	4.95	5.81	6.99	6.97	7.37	7.15
12	5.69	4.20	6.90	6.00	13.26	6.71	4.88	6.11	6.38	6.74	7.93	7.27
13	5.70	4.28	6.88	5.89	12.80	6.62	5.49	6.54	5.99	6.45	7.84	6.90
14	5.61	4.62	8.77	5.79	13.11	6.53	5.44	7.97	5.98	6.95	7.29	6.76
15	5.55	4.79	8.25	5.69	12.75	6.51	5.29	8.03	6.97	6.64	6.91	6.70
16	5.57	4.74	7.66	5.61	12.20	6.61	5.17	7.77	7.87	7.35	6.45	16.11
17	5.15	4.58	7.37	5.57	10.98	6.74	4.92	7.37	7.48	6.70	6.17	21.67
18	4.57	4.36	7.11	6.49	9.80	6.59	4.79	6.90	7.24	7.05	5.71	15.32
19	4.40	6.78	6.84	6.73	9.08	6.44	5.13	6.67	8.01	6.95	4.98	11.50
20	4.32	7.35	6.56	6.50	8.51	6.30	4.39	6.56	7.59	6.53	4.07	9.83
21	4.17	7.00	6.32	6.26	8.07	6.19	4.12	6.51	6.96	6.18	3.61	8.97
22	4.15	6.61	6.09	6.05	7.75	6.02	4.02	6.58	6.73	5.79	5.97	8.52
23	4.09	6.06	5.99	5.83	7.90	5.85	3.93	6.64	6.78	5.11	7.25	7.65
24	3.96	5.93	6.93	5.61	10.34	5.72	3.85	6.57	8.75	4.20	7.12	7.06
25	3.89	6.44	7.29	5.53	10.43	5.66	3.79	6.35	9.08	3.79	6.79	6.77
26	4.14	6.46	7.24	10.97	12.23	5.65	4.47	6.10	8.51	3.19	6.49	6.57
27	5.19	6.40	7.02	14.41	11.77	5.59	5.82	5.74	9.39	3.61	6.20	6.44
28	5.52	9.45	6.80	13.88	11.60	5.57	6.23	5.22	8.82	3.65	5.86	6.32
29	5.55	9.36	6.56	13.12	11.63	5.55	6.11	4.51	8.43	3.93	---	6.20
30	5.36	8.75	6.80	12.21	---	5.52	8.94	3.77	7.82	5.07	---	6.18
31	5.14	---	6.96	10.21	---	5.52	---	3.22	---	4.90	---	---
MEAN	4.80	---	---	7.30	10.19	6.80	5.11	6.76	7.13	6.12	---	8.69
MAX	5.70	---	---	14.41	13.26	10.93	8.94	9.38	9.39	8.93	---	21.67
MIN	3.89	---	---	5.53	6.83	5.52	3.79	3.22	3.57	3.19	---	6.18

02364500 PEA RIVER NEAR SAMSON, AL

LOCATION.--Lat 31° 06'45", long 86° 05'58", in SW $^1/_4$ SE $^1/_4$ sec. 25, T. 2 N., R. 19 E., Geneva County, Hydrologic Unit 03140202, at Alabama Highway 52 bridge, 500 ft downstream of Boyenton Creek, 6.5 mi upstream of Flat Creek, and 3 mi north of Samson.

DRAINAGE AREA.--1,182 mi^2.

PERIOD OF RECORD.--September 1904 to August 1913, October 1922 to September 1925, October 1935 to September 1970, October 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 97.95 ft above NGVD of 1929.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
No peak greater than base discharge.							

Minimum discharge, 237 ft^3/s, Aug. 9, gage height, 3.85 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

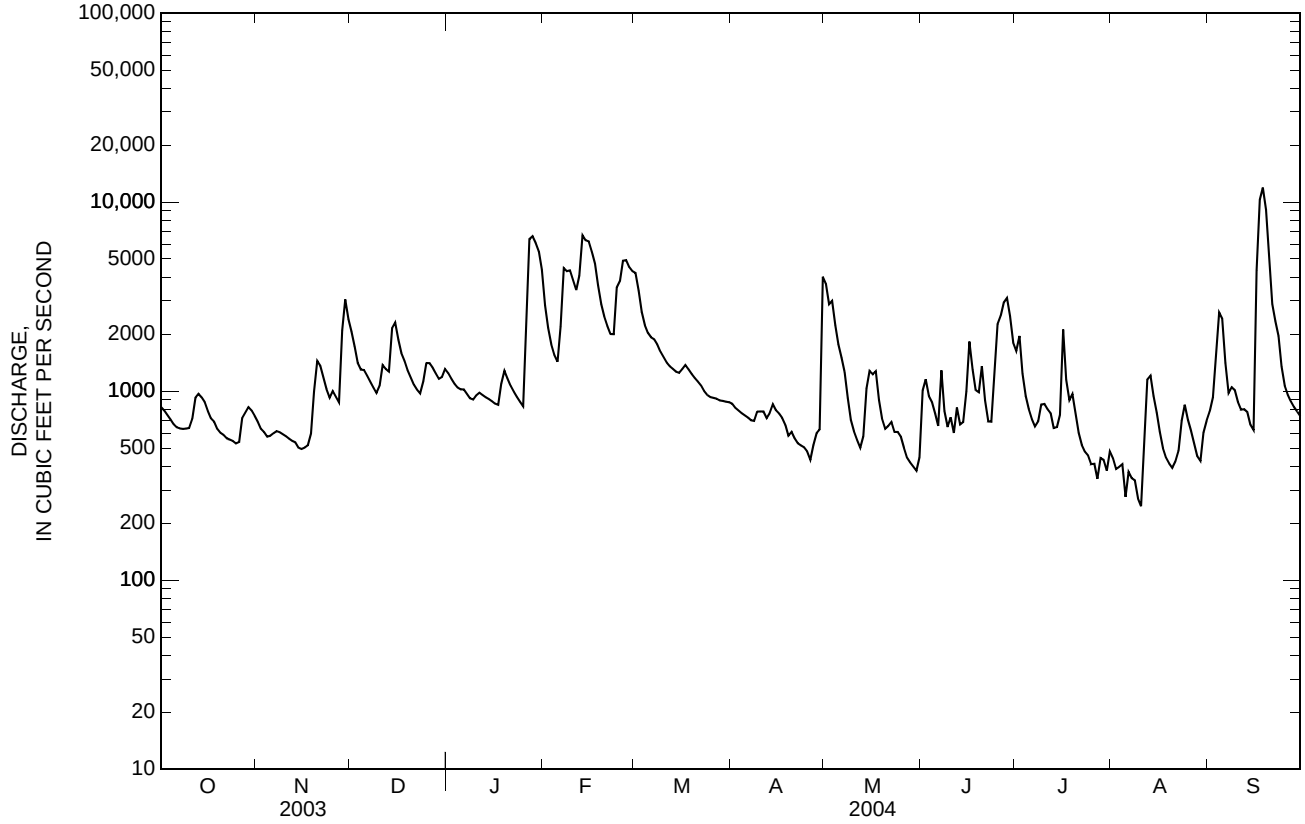
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	824	688	2,070	1,250	2,840	4,220	857	3,710	1,010	1,640	441	781
2	790	632	1,720	1,170	2,170	3,390	817	2,880	1,160	1,960	388	928
3	750	607	1,410	1,090	1,770	2,630	791	3,000	941	1,240	398	1,510
4	709	576	1,300	1,050	1,560	2,230	766	2,230	877	944	410	2,610
5	670	581	1,290	1,020	1,430	2,030	745	1,770	762	805	276	2,420
6	644	600	1,210	1,020	2,200	1,930	726	1,500	656	711	374	1,410
7	636	614	1,120	967	4,480	1,880	702	1,260	1,290	652	347	977
8	632	606	1,040	917	4,310	1,760	696	919	786	694	338	1,050
9	634	593	977	903	4,360	1,620	780	706	646	850	271	1,010
10	639	577	1,070	950	3,870	1,510	781	612	726	856	246	880
11	713	561	1,380	981	3,430	1,420	782	554	602	805	475	799
12	924	546	1,310	955	4,080	1,350	721	503	819	764	1,150	803
13	968	537	1,270	930	6,670	1,310	765	578	666	638	1,210	775
14	927	502	2,160	909	6,280	1,270	853	1,030	685	646	941	665
15	877	495	2,310	886	6,190	1,250	793	1,280	997	750	769	624
16	784	503	1,870	859	5,480	1,310	761	1,230	1,830	2,120	609	4,360
17	718	517	1,590	846	4,730	1,380	723	1,280	1,310	1,150	499	10,300
18	690	597	1,440	1,090	3,630	1,300	663	897	1,020	896	444	11,900
19	632	996	1,290	1,290	2,890	1,240	581	718	986	964	414	9,100
20	603	1,450	1,180	1,170	2,490	1,170	609	633	1,360	759	393	5,240
21	587	1,360	1,080	1,070	2,210	1,120	563	655	892	603	426	2,890
22	564	1,180	1,020	992	2,010	1,070	530	687	693	519	482	2,360
23	555	1,030	973	933	2,000	1,000	517	609	690	479	700	1,960
24	544	923	1,130	878	3,530	955	505	609	1,310	458	848	1,350
25	529	1,000	1,410	832	3,820	931	481	577	2,260	412	705	1,070
26	538	932	1,410	2,100	4,900	921	435	502	2,510	413	618	958
27	721	872	1,340	6,370	4,930	912	519	446	2,950	344	528	881
28	772	2,100	1,240	6,590	4,540	894	599	420	3,110	443	453	824
29	823	3,060	1,160	6,100	4,320	889	627	400	2,490	433	428	780
30	790	2,400	1,190	5,490	---	880	4,030	380	1,810	380	605	738
31	741	---	1,310	4,390	---	874	---	446	---	481	699	---
TOTAL	21,928	27,635	42,270	55,998	107,120	46,646	23,718	33,021	37,844	24,809	16,885	71,953
MEAN	707	921	1,364	1,806	3,694	1,505	791	1,065	1,261	800	545	2,398
MAX	968	3,060	2,310	6,590	6,670	4,220	4,030	3,710	3,110	2,120	1,210	11,900
MIN	529	495	973	832	1,430	874	435	380	602	344	246	624
CFSM	0.60	0.78	1.15	1.53	3.13	1.27	0.67	0.90	1.07	0.68	0.46	2.03
IN.	0.69	0.87	1.33	1.76	3.37	1.47	0.75	1.04	1.19	0.78	0.53	2.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2004, BY WATER YEAR (WY)

MEAN	688	875	1,742	2,563	2,765	3,288	2,811	1,440	1,051	1,226	1,180	963
MAX	3,198	3,931	7,607	10,150	5,648	8,013	8,256	5,115	3,905	3,863	3,735	4,036
(WY)	(1965)	(1949)	(1954)	(1925)	(1908)	(1913)	(1960)	(1946)	(1970)	(1940)	(1939)	(1937)
MIN	120	217	360	592	889	539	504	319	203	296	160	108
(WY)	(1969)	(1955)	(1956)	(1909)	(1911)	(1955)	(1967)	(1941)	(1968)	(1925)	(1954)	(1954)

02364500 PEA RIVER NEAR SAMSON, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1904 - 2004	
ANNUAL TOTAL	795,322		509,827			
ANNUAL MEAN	2,179		1,393		1,698	
HIGHEST ANNUAL MEAN					2,799	1946
LOWEST ANNUAL MEAN					686	1911
HIGHEST DAILY MEAN	9,170	Apr 9	11,900	Sep 18	28,800	Jan 19, 1925
LOWEST DAILY MEAN	495	Nov 15	246	Aug 10	63	Oct 26, 1935
ANNUAL SEVEN-DAY MINIMUM	523	Nov 11	323	Aug 4	93	Sep 30, 1954
MAXIMUM PEAK FLOW			12,400	Sep 18	30,000	Jan 20, 1925
MAXIMUM PEAK STAGE			27.32	Sep 18	42.00	Jan 20, 1925
ANNUAL RUNOFF (CFSM)	1.84		1.18		1.44	
ANNUAL RUNOFF (INCHES)	25.03		16.05		19.52	
10 PERCENT EXCEEDS	4,820		2,910		3,760	
50 PERCENT EXCEEDS	1,590		914		1,000	
90 PERCENT EXCEEDS	716		501		305	



02369800 BLACK WATER RIVER NEAR BRADLEY, AL

(Hydrologic Bench-Mark Station)

LOCATION.--Lat 31° 01'39", long 86° 42'36", in SE $^1/_4$ SW $^1/_4$ 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 mi^2.

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 NGVD of 1929.

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 CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 17	0100	*3,140	*15.05	No other peak greater than base discharge.			

Minimum discharge, 37 ft^3/s, May 30, 31, June 1, gage height, 0.98 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

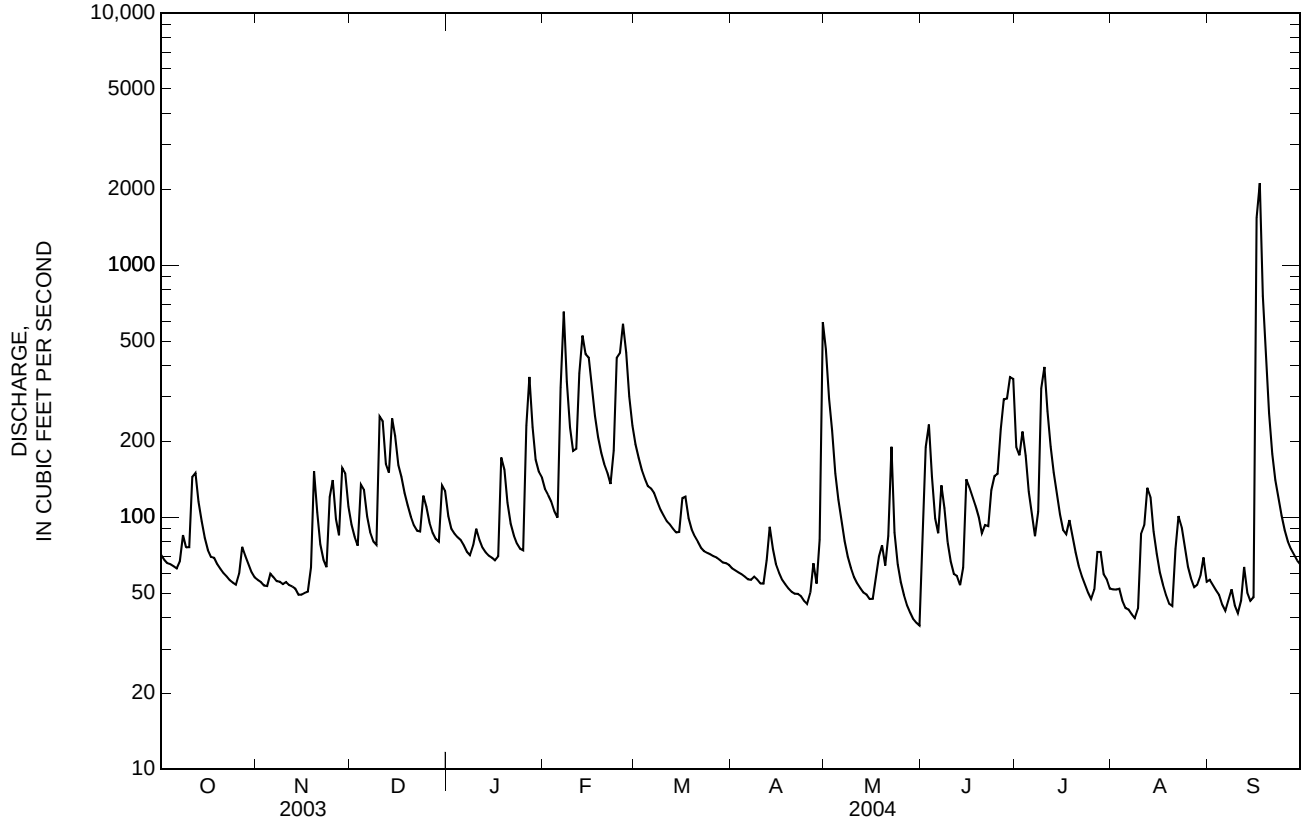
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	56	94	101	129	195	63	464	76	190	52	56
2	68	55	84	90	123	172	62	295	190	176	52	54
3	66	54	77	86	115	155	60	221	233	219	52	51
4	65	53	135	83	106	142	59	149	145	175	47	49
5	64	60	128	81	100	133	58	117	99	126	44	45
6	63	58	101	77	326	130	57	96	86	102	43	43
7	67	56	87	73	654	125	56	81	134	84	41	47
8	85	55	80	71	345	115	58	70	109	105	40	52
9	76	54	78	77	227	107	57	63	80	324	44	45
10	76	55	251	90	183	102	55	58	67	394	86	42
11	144	54	241	81	187	97	55	55	60	264	93	47
12	150	53	163	76	372	94	67	52	58	190	131	63
13	115	52	150	73	526	90	92	50	54	150	120	50
14	96	49	246	70	444	87	75	49	63	124	88	47
15	83	49	210	69	430	87	65	47	141	103	72	48
16	74	50	161	67	331	119	60	47	132	89	61	1,540
17	70	51	145	70	252	121	56	57	120	86	54	2,110
18	69	63	125	173	208	99	54	70	111	97	49	755
19	65	152	112	154	180	90	52	77	100	84	45	407
20	62	105	101	114	163	84	51	64	86	72	44	258
21	60	78	93	94	150	80	50	84	93	64	75	178
22	58	68	88	85	136	76	50	190	92	58	101	140
23	56	63	88	79	184	73	49	87	128	54	91	118
24	55	120	122	75	429	72	47	65	146	50	76	102
25	54	140	110	74	449	71	45	55	149	47	64	89
26	60	98	95	231	586	70	50	49	223	52	57	80
27	76	85	87	360	450	69	66	45	294	73	53	75
28	70	157	82	228	301	68	55	42	296	73	54	71
29	65	149	80	169	231	66	81	39	360	59	58	67
30	61	110	134	152	---	66	594	38	354	57	69	65
31	58	---	127	144	---	65	---	37	---	52	56	---
TOTAL	2,302	2,302	3,875	3,467	8,317	3,120	2,299	2,913	4,279	3,793	2,012	6,794
MEAN	74.3	76.7	125	112	287	101	76.6	94.0	143	122	64.9	226
MAX	150	157	251	360	654	195	594	464	360	394	131	2,110
MIN	54	49	77	67	100	65	45	37	54	47	40	42
CFSM	0.85	0.87	1.43	1.28	3.27	1.15	0.87	1.07	1.63	1.40	0.74	2.58
IN.	0.98	0.98	1.64	1.47	3.53	1.32	0.98	1.24	1.82	1.61	0.85	2.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2004, BY WATER YEAR (WY)

MEAN	91.4	106	133	176	201	254	160	129	134	117	113	115
MAX	516	438	528	414	428	1,207	491	591	749	571	560	675
(WY)	(1996)	(1990)	(1973)	(1978)	(1985)	(1990)	(1980)	(1978)	(1970)	(1994)	(1975)	(1998)
MIN	22.5	31.8	38.2	47.3	58.4	51.7	39.5	24.2	22.2	26.2	34.5	25.6
(WY)	(2001)	(2002)	(2002)	(2002)	(2001)	(2000)	(2000)	(2002)	(1968)	(2000)	(2002)	(1968)

02369800 BLACK WATER RIVER NEAR BRADLEY, AL--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1968 - 2004	
ANNUAL TOTAL	59,729		45,473			
ANNUAL MEAN	164		124		144	
HIGHEST ANNUAL MEAN					281	1990
LOWEST ANNUAL MEAN					45.7	2000
HIGHEST DAILY MEAN	1,490	Aug 7	2,110	Sep 17	16,000	Mar 17, 1990
LOWEST DAILY MEAN	49	Nov 14	37	May 31	17	Jun 11, 2000
ANNUAL SEVEN-DAY MINIMUM	51	Nov 11	44	May 25	18	Jun 7, 2000
MAXIMUM PEAK FLOW			3,140	Sep 17	24,000	Mar 17, 1990
MAXIMUM PEAK STAGE			15.05	Sep 17	25.35	Mar 17, 1990
ANNUAL RUNOFF (CFSM)	1.87		1.42		1.64	
ANNUAL RUNOFF (INCHES)	25.34		19.29		22.28	
10 PERCENT EXCEEDS	335		229		272	
50 PERCENT EXCEEDS	101		80		82	
90 PERCENT EXCEEDS	60		50		37	



02371500 CONECUH 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 mi^2.

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 NGVD of 1929 (levels by the U.S. Army Corps of Engineers). Prior to Nov. 1, 1938, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: June 18-21, July 23-26. 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 17	2000	*4,920	*16.25

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 55 ft^3/s, Aug. 8, 9, gage height, 1.15 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	371	244	842	612	1,250	3,340	321	405	107	1,770	106	281
2	371	226	824	579	986	2,600	303	628	120	559	90	338
3	349	216	693	541	678	1,940	293	690	192	412	82	586
4	306	205	591	503	563	1,470	282	696	250	341	75	700
5	279	200	570	473	509	1,020	275	607	229	271	71	660
6	262	201	539	457	781	831	260	470	201	228	66	647
7	256	204	494	436	1,280	770	251	336	180	209	61	571
8	259	203	453	415	1,190	720	250	253	184	392	57	526
9	263	202	412	426	1,060	663	274	214	175	581	59	476
10	268	198	655	468	1,090	608	273	186	143	479	104	417
11	332	195	857	472	1,140	558	248	180	132	323	567	348
12	458	196	849	460	1,630	519	245	199	119	232	673	279
13	441	191	845	447	1,730	492	258	204	110	188	546	264
14	445	183	1,080	428	1,770	474	284	291	107	207	446	275
15	438	172	1,020	397	1,740	467	281	400	243	247	301	245
16	393	167	877	376	1,790	477	261	374	600	206	200	2,290
17	321	167	792	363	2,000	495	241	347	645	209	151	4,440
18	283	177	743	443	1,950	487	219	296	e586	367	128	4,520
19	264	304	700	569	1,710	463	204	242	e635	361	111	4,320
20	247	500	652	602	1,410	443	192	202	e355	221	101	3,840
21	230	485	584	617	956	420	183	222	e230	157	112	3,150
22	222	407	518	567	759	394	175	259	185	125	156	2,370
23	213	349	487	493	840	368	169	320	359	e114	224	1,660
24	202	338	659	420	1,450	352	163	263	389	e100	241	896
25	191	386	776	388	1,580	340	155	191	479	e95	299	539
26	196	385	811	1,490	2,070	334	154	179	647	e82	727	436
27	270	335	838	1,840	2,160	329	166	169	1,190	78	424	375
28	360	429	799	1,530	2,250	326	180	141	1,070	75	226	332
29	313	690	697	1,290	2,950	323	170	122	739	81	166	301
30	297	821	694	1,260	---	320	225	111	632	153	149	279
31	275	---	670	1,300	---	323	---	103	---	127	188	---
TOTAL	9,375	8,976	22,021	20,662	41,272	22,666	6,955	9,300	11,233	8,990	6,907	36,361
MEAN	302	299	710	667	1,423	731	232	300	374	290	223	1,212
MAX	458	821	1,080	1,840	2,950	3,340	321	696	1,190	1,770	727	4,520
MIN	191	167	412	363	509	320	154	103	107	75	57	245
CFSM	0.60	0.60	1.42	1.33	2.85	1.46	0.46	0.60	0.75	0.58	0.45	2.42
IN.	0.70	0.67	1.64	1.54	3.07	1.69	0.52	0.69	0.84	0.67	0.51	2.71

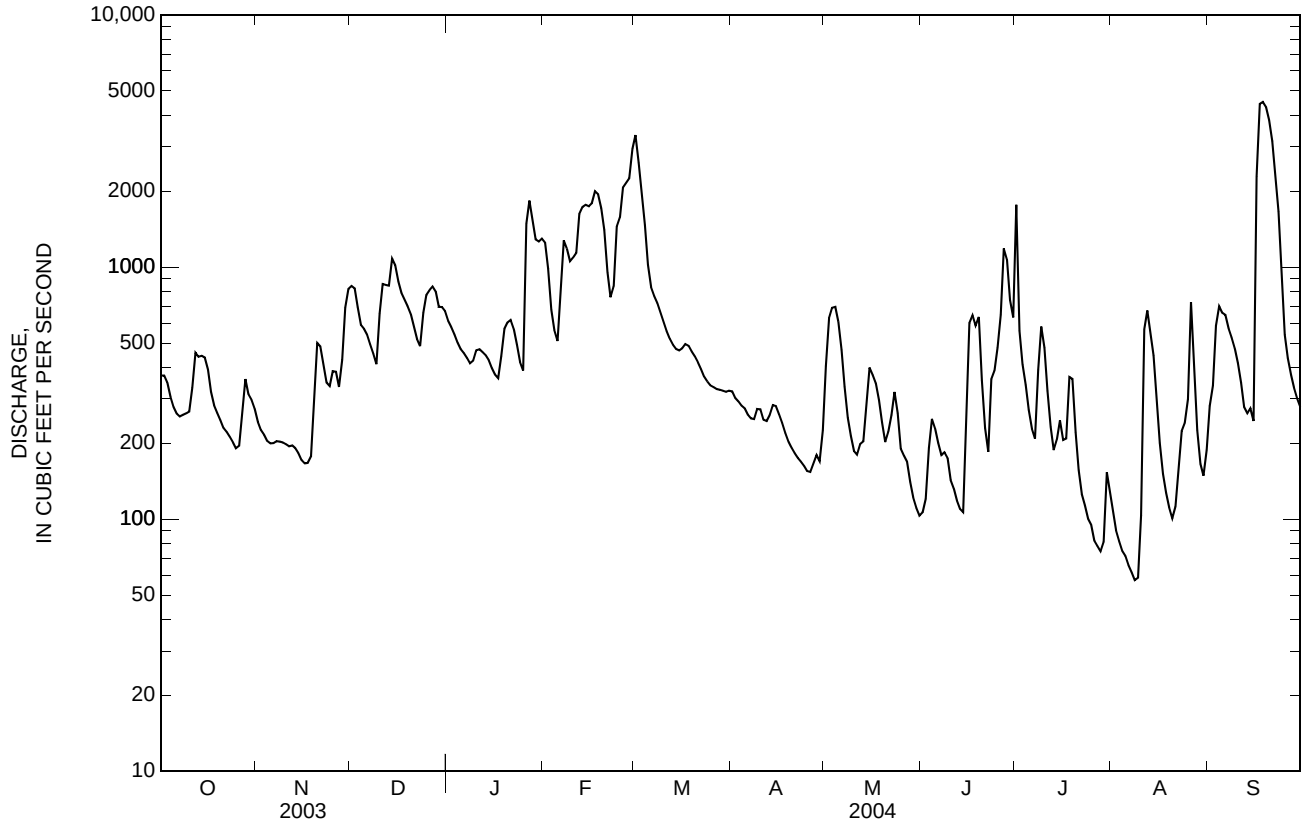
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

MEAN	229	345	648	934	1,165	1,541	1,128	548	390	416	330	254
MAX	1,794	2,702	2,695	2,782	2,922	4,000	4,033	2,646	2,163	3,291	2,683	1,721
(WY)	(1976)	(1949)	(1954)	(1943)	(1961)	(1944)	(1944)	(1953)	(1989)	(1994)	(1939)	(1961)
MIN	21.9	63.1	106	154	276	206	134	58.3	32.2	32.2	23.5	27.6
(WY)	(2001)	(1955)	(1955)	(1981)	(2000)	(1955)	(1967)	(2000)	(2000)	(2000)	(2000)	(1954)

02371500 CONECUH RIVER AT BRANTLEY, AL--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004	
ANNUAL TOTAL	371,400		204,718			
ANNUAL MEAN	1,018		559		658	
HIGHEST ANNUAL MEAN					1,193	1944
LOWEST ANNUAL MEAN					192	2000
HIGHEST DAILY MEAN	4,740	Jun 22	4,520	Sep 18	23,100	Mar 18, 1990
LOWEST DAILY MEAN	167	Nov 16	57	Aug 8	14	Aug 31, 2000
ANNUAL SEVEN-DAY MINIMUM	179	Nov 12	67	Aug 3	15	Aug 25, 2000
MAXIMUM PEAK FLOW			4,920	Sep 17	25,700	Mar 18, 1990
MAXIMUM PEAK STAGE			16.25	Sep 17	24.51	Feb 19, 1975
ANNUAL RUNOFF (CFSM)	2.04		1.12		1.32	
ANNUAL RUNOFF (INCHES)	27.63		15.23		17.89	
10 PERCENT EXCEEDS	2,260		1,210		1,480	
50 PERCENT EXCEEDS	745		360		334	
90 PERCENT EXCEEDS	280		152		71	

e Estimated



02372250 PATSALIGA CREEK NEAR BRANTLEY, AL

LOCATION.--Lat 31° 35'46", long 86° 24'20", in SE $^1/_4$ NE $^1/_4$ 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 mi^2.

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 NGVD of 1929, from topographic map.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 19	1100	*11,700	*21.36	No other peak greater than base discharge.			

Minimum discharge, 51 ft^3/s, Aug. 9, gage height, 3.28 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

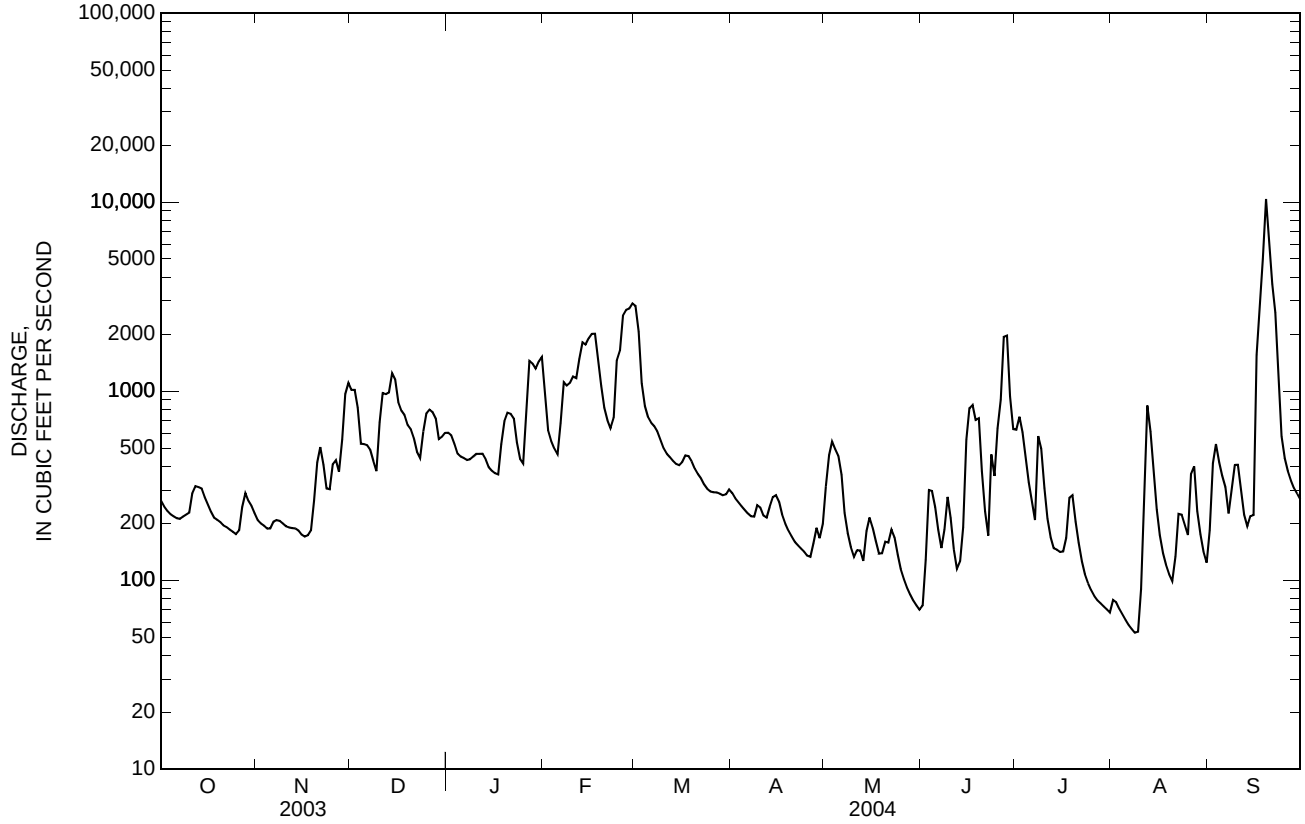
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263	208	1,020	603	941	2,830	289	315	74	626	79	184
2	245	200	1,020	585	622	2,060	271	459	128	732	77	416
3	233	194	819	526	544	1,100	258	543	300	606	71	525
4	224	188	528	468	497	833	247	494	296	439	66	421
5	218	188	525	451	464	732	236	456	244	329	62	357
6	213	204	518	443	678	682	226	361	185	258	58	311
7	211	208	490	433	1,120	654	218	227	148	208	55	225
8	217	206	427	436	1,070	612	217	177	185	578	53	304
9	222	200	377	451	1,110	556	249	150	276	496	53	407
10	228	193	685	466	1,200	499	242	133	213	307	90	408
11	288	190	978	466	1,170	468	220	144	145	212	354	298
12	315	189	964	467	1,480	448	215	144	115	168	840	222
13	311	188	984	436	1,810	428	245	127	126	148	611	193
14	305	183	1,250	396	1,760	412	275	182	191	145	378	218
15	275	175	1,160	379	1,910	406	282	215	555	141	237	221
16	252	170	872	369	2,010	423	260	189	813	142	173	1,550
17	231	173	789	362	2,010	457	222	162	845	168	139	3,000
18	214	184	747	522	1,500	454	199	138	705	273	121	5,000
19	209	263	663	694	1,070	426	183	139	719	281	107	10,400
20	203	420	629	770	819	389	170	160	377	204	99	6,260
21	195	506	564	759	702	365	160	158	231	158	134	3,680
22	191	407	477	715	636	346	153	185	172	126	225	2,600
23	185	306	443	535	724	321	147	169	463	108	222	1,290
24	181	303	612	438	1,450	304	142	137	357	96	197	578
25	175	410	762	414	1,640	295	135	115	636	89	174	442
26	184	431	799	762	2,510	292	133	101	903	82	364	379
27	244	374	775	1,450	2,690	291	156	92	1,940	78	400	337
28	289	556	717	1,400	2,740	287	190	84	1,970	76	232	307
29	264	964	557	1,320	2,910	281	167	78	941	73	175	286
30	247	1,110	574	1,440	---	285	199	74	630	70	142	267
31	226	---	601	1,520	---	302	---	70	---	68	124	---
TOTAL	7,258	9,491	22,326	20,476	39,787	18,238	6,306	6,178	14,883	7,485	6,112	41,086
MEAN	234	316	720	661	1,372	588	210	199	496	241	197	1,370
MAX	315	1,110	1,250	1,520	2,910	2,830	289	543	1,970	732	840	10,400
MIN	175	170	377	362	464	281	133	70	74	68	53	184
CFSM	0.53	0.72	1.63	1.49	3.10	1.33	0.48	0.45	1.12	0.55	0.45	3.10
IN.	0.61	0.80	1.88	1.72	3.35	1.53	0.53	0.52	1.25	0.63	0.51	3.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	270	359	582	854	1,094	1,463	889	478	405	373	271	298
MAX	1,790	1,763	1,682	2,021	2,505	4,627	2,232	1,841	1,591	1,885	1,396	1,628
(WY)	(1976)	(1993)	(1998)	(1978)	(1975)	(1990)	(1980)	(1976)	(1989)	(1994)	(1975)	(1975)
MIN	21.5	75.1	171	162	269	533	202	45.7	22.8	25.4	43.0	40.5
(WY)	(2001)	(1991)	(1991)	(1981)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(1990)

02372250 PATSALIGA CREEK NEAR BRANTLEY, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	334,576		199,626			
ANNUAL MEAN	917		545		609	
HIGHEST ANNUAL MEAN					1,084	1975
LOWEST ANNUAL MEAN					169	2000
HIGHEST DAILY MEAN	4,160	Apr 11	10,400	Sep 19	34,000	Mar 18, 1990
LOWEST DAILY MEAN	170	Nov 16	53	Aug 8	11	Jul 20, 2000
ANNUAL SEVEN-DAY MINIMUM	180	Nov 12	60	Aug 3	13	Jul 17, 2000
MAXIMUM PEAK FLOW			11,700	Sep 19	43,600	Mar 17, 1990
MAXIMUM PEAK STAGE			21.36	Sep 19	25.67	Mar 17, 1990
ANNUAL RUNOFF (CFSM)	2.07		1.23		1.38	
ANNUAL RUNOFF (INCHES)	28.16		16.80		18.72	
10 PERCENT EXCEEDS	2,140		1,110		1,420	
50 PERCENT EXCEEDS	564		304		310	
90 PERCENT EXCEEDS	232		132		68	



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

LOCATION.--Lat 31° 21'40", long 86° 31'11", in NE $^1/_4$ 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 mi^2.

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. Datum of gage is 120.80 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. Gage is located downstream of Point A Dam. Generally, flows less than 2,500 ft^3/s can be regulated by operation of Point A Dam.

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.--Peak discharges greater than base discharge of 7,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 16	1400	10,700	22.55	Sep 21	0200	*12,900	*26.35

Minimum discharge, 10 ft^3/s, Dec. 13, gage height, 7.11 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

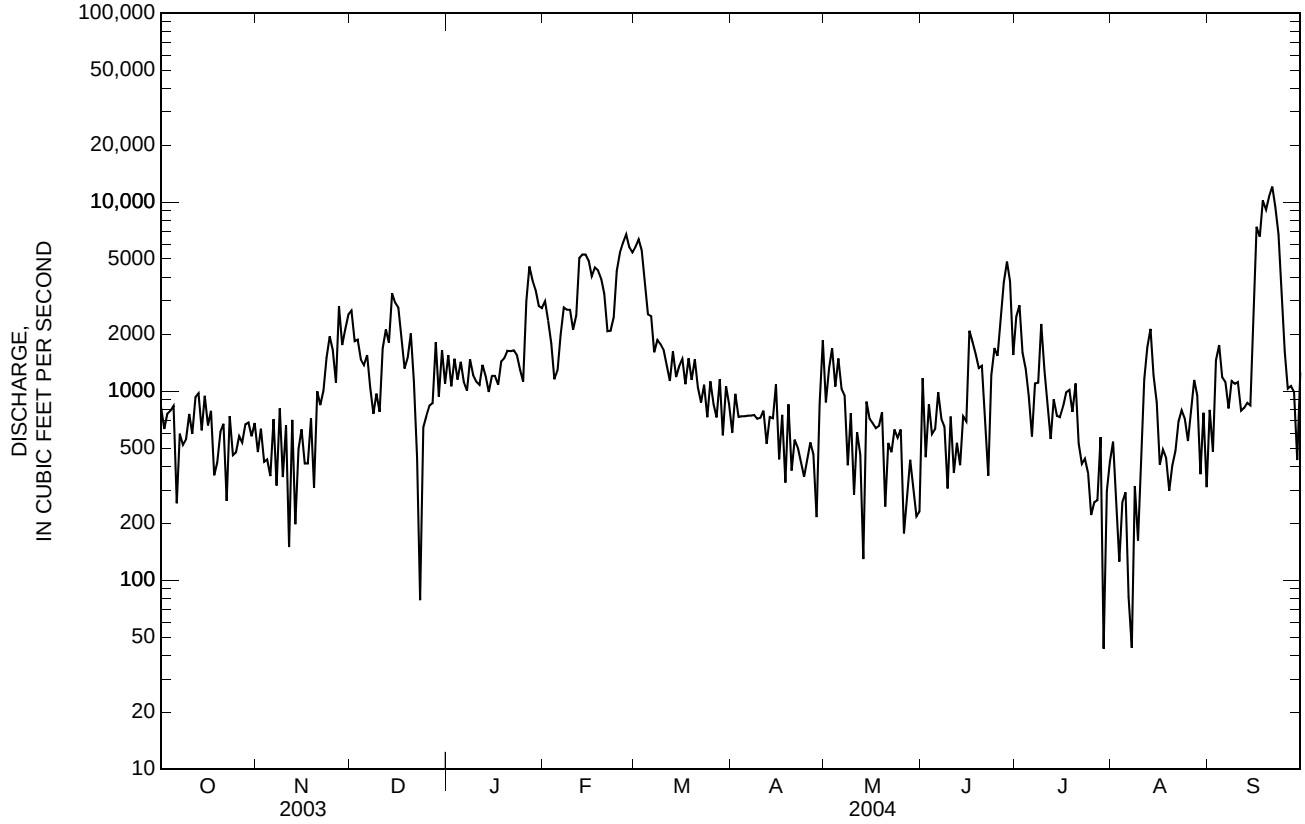
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	820	476	2,670	1,550	2,990	5,790	604	873	1,170	2,470	541	797
2	631	632	1,840	1,060	2,360	6,350	969	1,320	447	2,840	285	479
3	761	423	1,870	1,480	1,780	5,550	732	1,690	855	1,600	126	1,460
4	788	435	1,470	1,150	1,160	3,670	736	1,060	594	1,310	258	1,750
5	837	355	1,370	1,430	1,290	2,550	737	1,490	632	944	292	1,190
6	255	712	1,550	1,120	1,980	2,500	743	1,030	986	576	81	1,120
7	596	317	1,050	1,010	2,770	1,610	743	950	714	1,100	44	810
8	520	811	759	1,470	2,700	1,870	748	406	650	1,110	315	1,130
9	557	352	970	1,210	2,690	1,770	714	766	306	2,270	163	1,090
10	758	660	777	1,130	2,120	1,650	723	284	736	1,290	395	1,120
11	595	150	1,680	1,080	2,520	1,370	790	607	370	859	1,160	789
12	930	704	2,120	1,380	5,060	1,130	527	462	534	558	1,710	815
13	974	198	1,800	1,200	5,280	1,620	730	129	406	906	2,140	869
14	621	494	3,290	990	5,280	1,190	719	880	737	742	1,210	842
15	945	629	2,940	1,210	4,890	1,350	1,090	716	692	729	870	2,610
16	660	415	2,770	1,200	4,050	1,480	436	676	2,090	831	409	7,400
17	787	415	1,900	1,080	4,510	1,090	750	637	1,820	985	492	6,570
18	359	716	1,320	1,440	4,360	1,490	329	655	1,570	1,010	447	10,200
19	419	309	1,490	1,500	3,930	1,150	853	775	1,320	776	297	9,120
20	608	998	2,020	1,640	3,270	1,470	381	245	1,360	1,100	403	10,700
21	672	845	1,130	1,630	2,080	1,050	554	532	764	528	485	12,100
22	263	1,010	445	1,650	2,090	872	502	475	358	412	691	9,420
23	738	1,500	79	1,550	2,460	1,080	425	627	1,210	440	794	6,750
24	459	1,950	645	1,300	4,320	728	352	567	1,690	368	719	3,610
25	474	1,660	738	1,130	5,400	1,130	430	626	1,540	221	545	1,620
26	579	1,110	839	3,010	6,080	854	535	177	2,460	259	799	1,030
27	535	2,810	863	4,570	6,730	726	464	277	3,760	265	1,150	1,070
28	668	1,750	1,820	3,850	5,800	1,160	216	434	4,840	572	950	991
29	683	2,120	937	3,430	5,420	585	861	304	3,810	43	364	433
30	577	2,540	1,650	2,820	---	1,060	1,860	218	1,560	296	770	1,260
31	679	---	1,100	2,750	---	853	---	231	---	423	311	---
TOTAL	19,748	27,496	45,902	53,020	105,370	56,748	20,253	20,119	39,981	27,833	19,216	99,145
MEAN	637	917	1,481	1,710	3,633	1,831	675	649	1,333	898	620	3,305
MAX	974	2,810	3,290	4,570	6,730	6,350	1,860	1,690	4,840	2,840	2,140	12,100
MIN	255	150	79	990	1,160	585	216	129	306	43	44	433
CFSM	0.50	0.72	1.16	1.34	2.85	1.44	0.53	0.51	1.05	0.71	0.49	2.60
IN.	0.58	0.80	1.34	1.55	3.08	1.66	0.59	0.59	1.17	0.81	0.56	2.90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	476	774	1,209	1,398	1,808	3,878	1,854	739	1,441	1,500	914	1,041
MAX	1,016	1,704	2,375	1,724	3,633	9,953	3,712	2,145	3,940	4,274	3,103	3,305
(WY)	(2003)	(2003)	(2003)	(2003)	(2004)	(2001)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	132	306	590	830	684	1,335	597	143	91.0	62.0	75.2	125
(WY)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	904,629		534,831			
ANNUAL MEAN	2,478		1,461		1,417	
HIGHEST ANNUAL MEAN					2,651	2003
LOWEST ANNUAL MEAN					429	2000
HIGHEST DAILY MEAN	8,470	Apr 10	12,100	Sep 21	30,100	Mar 7, 2001
LOWEST DAILY MEAN	79	Dec 23	43	Jul 29	19	Aug 13, 2000
ANNUAL SEVEN-DAY MINIMUM	429	Nov 11	183	Aug 3	24	Jul 20, 2000
MAXIMUM PEAK FLOW			12,900	Sep 21	32,100	Mar 7, 2001
MAXIMUM PEAK STAGE			26.35	Sep 21	42.58	Mar 7, 2001
ANNUAL RUNOFF (CFSM)	1.95		1.15		1.11	
ANNUAL RUNOFF (INCHES)	26.44		15.63		15.12	
10 PERCENT EXCEEDS	5,710		3,000		3,500	
50 PERCENT EXCEEDS	1,780		940		783	
90 PERCENT EXCEEDS	640		357		91	



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

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.41	8.05	10.32	9.36	10.55	14.48	8.17	8.65	8.78	10.17	8.23	8.58
2	8.13	8.34	9.61	8.86	10.04	15.40	8.75	9.13	7.98	10.47	7.84	7.98
3	8.33	7.91	9.62	9.31	9.56	14.10	8.50	9.48	8.64	9.39	7.49	9.28
4	8.44	7.89	9.29	8.95	8.97	11.35	8.50	8.85	8.26	9.14	7.74	9.54
5	8.44	7.83	9.18	9.25	9.08	10.22	8.50	9.31	8.20	8.62	7.80	8.85
6	7.58	8.47	9.37	8.93	9.71	10.13	8.51	8.82	8.78	8.22	7.39	8.90
7	8.07	7.76	8.86	8.80	10.35	9.41	8.51	8.74	8.37	8.90	7.28	8.59
8	7.95	8.50	8.45	9.23	10.34	9.63	8.52	7.93	8.18	8.85	7.77	8.87
9	8.00	7.82	8.78	9.02	10.29	9.55	8.47	8.54	7.76	9.94	7.50	8.74
10	8.33	8.38	8.31	8.93	9.85	9.45	8.49	7.71	8.50	9.08	7.91	8.90
11	8.16	7.46	9.23	8.88	10.16	9.20	8.56	8.29	7.87	8.46	8.83	8.57
12	8.64	8.46	9.67	9.19	13.43	8.94	8.15	7.92	8.13	8.18	9.49	8.60
13	8.66	7.54	9.38	8.98	13.66	9.40	8.50	7.45	7.93	8.66	9.87	8.66
14	8.19	8.08	10.88	8.79	13.67	8.99	8.48	8.64	8.44	8.34	8.99	8.62
15	8.58	8.17	10.58	9.02	13.05	9.17	8.88	8.47	8.42	8.35	8.65	10.36
16	8.15	7.93	10.42	9.01	11.93	9.30	7.99	8.31	9.89	8.61	7.94	17.33
17	8.42	7.94	9.55	8.89	12.47	8.89	8.52	8.25	9.59	8.78	8.08	15.79
18	7.83	8.48	9.14	9.21	12.24	9.31	7.80	8.32	9.38	8.81	8.01	21.72
19	7.94	7.74	9.13	9.31	11.68	8.95	8.56	8.52	9.14	8.46	7.74	19.94
20	8.08	8.76	9.64	9.43	10.86	9.29	7.90	7.66	9.18	8.89	7.93	22.55
21	8.41	8.50	8.73	9.43	9.79	8.84	8.19	8.16	8.54	8.12	8.08	24.89
22	7.67	8.80	7.84	9.45	9.83	8.65	8.09	8.06	7.76	7.92	8.42	20.43
23	8.27	9.31	7.30	9.37	10.21	8.88	7.97	8.32	8.95	7.96	8.57	16.06
24	8.02	9.71	8.38	9.11	12.25	8.49	7.84	8.22	9.43	7.84	8.44	11.33
25	8.06	9.45	8.50	8.82	13.87	8.92	7.98	8.32	9.32	7.59	8.15	9.40
26	8.10	8.92	8.63	10.79	14.96	8.63	8.16	7.55	10.11	7.65	8.58	8.83
27	8.15	10.51	8.66	12.65	16.04	8.49	8.03	7.72	11.47	7.75	8.95	8.86
28	8.42	9.54	9.59	11.63	14.49	8.96	7.62	7.98	12.97	8.23	8.73	8.78
29	8.29	9.86	8.63	11.06	13.89	8.22	8.63	7.76	11.57	7.28	7.88	7.94
30	8.15	10.23	9.46	10.40	---	8.86	9.62	7.61	9.29	7.75	8.38	9.06
31	8.41	---	8.89	10.33	---	8.63	---	7.63	---	8.02	7.76	---
MEAN	8.20	8.54	9.16	9.50	11.63	9.70	8.35	8.27	9.03	8.53	8.21	11.87
MAX	8.66	10.51	10.88	12.65	16.04	15.40	9.62	9.48	12.97	10.47	9.87	24.89
MIN	7.58	7.46	7.30	8.79	8.97	8.22	7.62	7.45	7.76	7.28	7.28	7.94

WTR YR 2004 MEAN 9.23 MAX 24.89 MIN 7.28

02372430 CONECUH RIVER AT RIVER FALLS, AL

LOCATION.--Lat 31° 20'53", long 86° 31'46", in NW $^1/_4$ sec. 2, T. 4 N., R. 15 E., Covington County, Hydrologic Unit 03140301, on downstream handrail of State Highway 55 bridge, 0.8 mi east of River Falls.

DRAINAGE AREA.--1,277 mi^2.

PERIOD OF RECORD.--November 1928 to September 1979, October 1980 to September 1996, November 2003 to current year (gage heights only). October 1971 to September 1979, October 1980 to September 1996 in reports of Geological Survey. November 1928 to December 1971 in reports of National Weather Service.

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 25.27 ft, Sept. 21; minimum gage height, 1.39 ft, Dec. 23.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.92	3.22	7.84	---	8.48	13.42	3.56	4.44	4.57	7.22	3.66	4.22
2	3.22	3.82	6.23	---	7.29	14.44	4.46	5.44	3.44	8.30	2.82	3.09
3	3.94	2.74	6.29	5.31	6.16	13.21	4.00	6.13	4.42	5.97	2.22	5.66
4	3.72	2.98	5.47	4.78	5.11	9.80	4.03	4.91	3.68	5.28	2.45	6.00
5	3.93	2.79	5.19	5.09	5.20	7.66	4.04	5.68	3.71	4.52	2.85	4.98
6	2.31	3.97	5.96	4.52	6.65	7.60	4.06	4.82	4.56	3.43	1.97	4.78
7	3.31	2.80	4.91	---	8.25	5.81	4.05	4.70	4.07	4.79	1.82	4.18
8	3.25	3.80	3.97	---	8.16	6.28	4.07	3.12	3.38	4.79	2.57	4.81
9	---	2.75	4.83	---	8.02	6.07	3.94	4.17	2.74	7.54	2.64	4.64
10	3.71	3.92	4.51	4.66	6.88	5.89	3.97	2.83	4.06	5.40	3.20	4.86
11	3.50	1.95	6.36	4.62	7.71	5.36	4.10	3.51	3.06	4.18	4.68	4.12
12	4.14	3.95	7.04	5.17	12.13	4.92	3.40	3.03	3.19	3.58	6.24	4.25
13	4.29	2.18	6.08	4.79	12.60	5.68	4.01	2.41	3.17	4.40	6.80	4.27
14	3.48	3.42	9.33	4.38	12.65	5.01	3.96	4.23	3.75	4.01	5.11	4.12
15	4.36	3.35	8.63	4.72	11.90	5.21	4.71	4.05	4.04	3.71	4.51	7.46
16	3.39	2.84	8.50	4.74	10.63	5.57	3.13	3.83	6.71	4.27	3.14	16.25
17	3.94	3.02	6.95	4.52	11.14	4.69	4.04	4.02	6.22	4.67	3.12	14.86
18	2.89	4.00	5.30	5.13	10.84	5.49	2.91	3.73	5.91	4.63	3.33	20.80
19	3.17	2.79	5.50	5.43	10.17	4.79	4.18	4.34	5.34	4.08	2.72	19.29
20	3.30	4.38	6.70	5.70	9.00	5.47	2.76	2.63	5.49	4.84	3.17	21.49
21	3.71	4.00	4.77	5.65	7.01	4.62	3.60	3.73	4.18	3.47	3.39	24.16
22	2.61	4.48	3.15	5.65	6.76	4.37	3.27	3.12	2.72	3.27	4.06	19.95
23	3.66	5.61	1.69	5.50	7.41	4.76	2.97	3.85	5.00	2.95	4.17	15.31
24	2.94	6.74	4.05	4.97	10.94	3.96	2.77	3.41	6.34	3.03	4.08	9.87
25	3.24	6.10	4.41	4.51	12.77	4.80	3.08	3.90	5.75	2.31	3.37	6.02
26	3.54	4.75	4.30	8.48	13.97	4.30	3.47	2.20	7.49	2.77	4.15	4.79
27	3.26	7.71	4.02	10.92	15.16	3.98	3.34	2.68	9.92	2.54	4.82	4.88
28	3.83	6.08	---	10.04	13.52	4.79	2.22	3.23	11.76	3.72	4.60	4.70
29	3.58	6.52	---	9.25	12.78	3.57	4.23	2.53	9.98	1.86	3.00	3.11
30	3.47	7.21	---	8.29	---	4.71	6.76	2.55	5.96	2.72	4.02	5.35
31	3.87	---	---	8.01	---	4.21	---	2.45	---	3.16	2.50	---
MEAN	---	4.13	---	---	9.63	6.14	3.77	3.73	5.15	4.24	3.59	8.74
MAX	---	7.71	---	---	15.16	14.44	6.76	6.13	11.76	8.30	6.80	24.16
MIN	---	1.95	---	---	5.11	3.57	2.22	2.20	2.72	1.86	1.82	3.09

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 mi^2.

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

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

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 27	2100	4,740	9.80	Sep 19	0700	*6,560	*11.96

Minimum discharge, 39 ft^3/s, Aug. 8, 9, gage height, 2.92 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

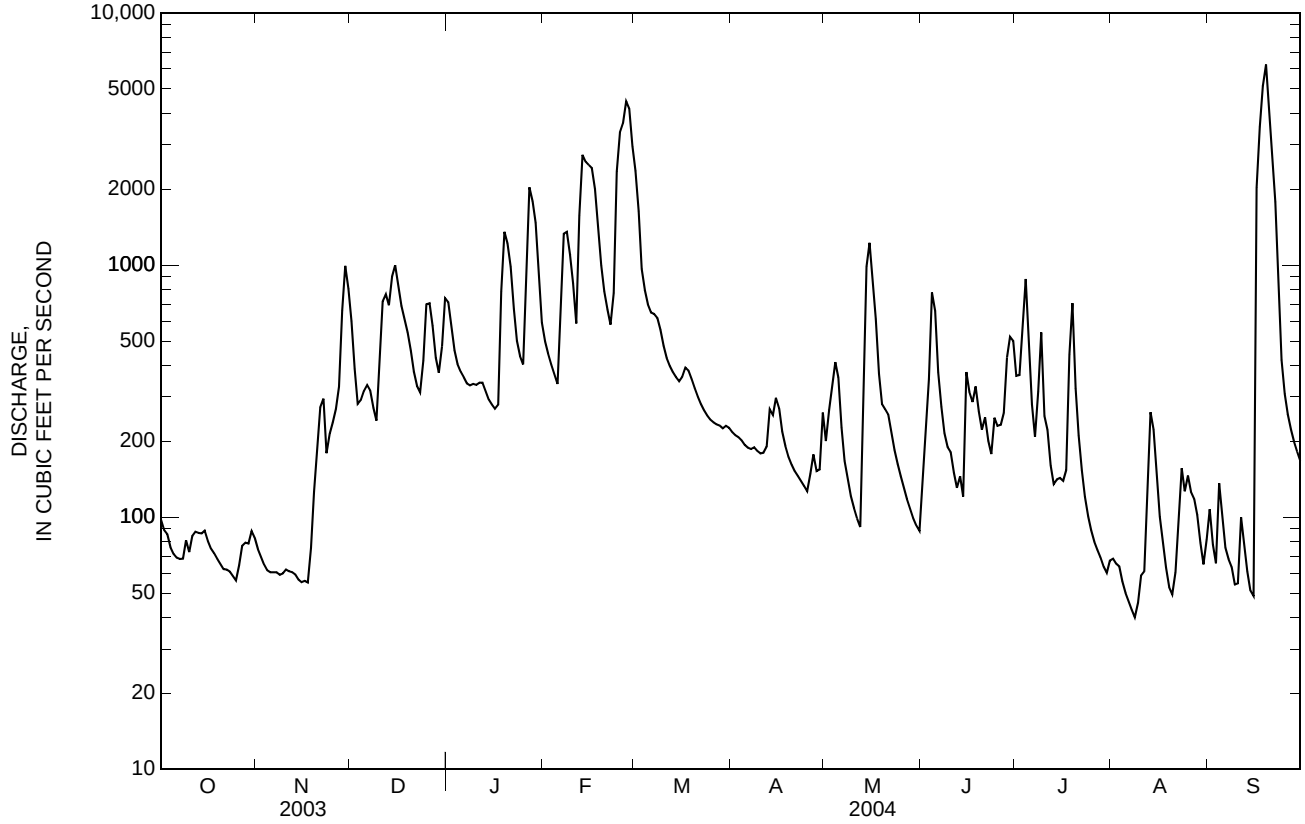
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	75	600	713	499	2,360	218	201	139	364	68	108
2	89	70	388	577	446	1,640	212	266	208	367	66	78
3	86	65	281	459	403	964	208	324	353	552	64	66
4	76	62	292	405	370	795	202	412	779	881	56	137
5	72	61	317	377	338	698	194	358	658	550	50	103
6	69	61	335	359	689	649	189	227	376	280	47	76
7	68	61	318	339	1,330	640	186	167	274	208	43	68
8	69	59	272	334	1,360	617	189	141	216	315	40	64
9	81	60	242	338	1,100	554	183	121	190	541	46	54
10	73	62	394	335	847	479	179	109	181	252	59	55
11	84	61	718	342	587	428	180	99	150	222	61	100
12	88	61	766	342	1,570	398	191	91	131	160	144	78
13	87	59	693	316	2,740	377	268	251	145	135	261	61
14	86	57	903	293	2,580	359	254	986	121	141	223	51
15	89	55	999	280	2,500	346	298	1,230	376	143	142	49
16	80	56	827	269	2,430	361	271	875	314	139	101	2,030
17	75	55	691	279	2,000	392	219	612	287	154	79	3,540
18	72	76	608	786	1,440	381	192	371	330	442	63	5,130
19	68	126	541	1,360	998	354	174	281	262	707	53	6,240
20	65	185	458	1,220	786	325	162	268	222	324	49	4,220
21	62	273	378	985	666	301	153	255	249	211	60	2,600
22	62	295	331	671	581	281	146	217	201	153	101	1,780
23	61	179	313	501	775	265	139	185	178	121	156	986
24	58	214	418	435	2,350	253	133	163	248	101	127	421
25	56	238	699	404	3,360	244	127	146	230	89	146	308
26	65	269	706	1,010	3,650	238	149	131	232	80	126	256
27	77	329	574	2,040	4,470	234	177	118	259	74	118	223
28	79	661	429	1,790	4,190	231	152	108	430	69	102	200
29	79	993	374	1,470	2,960	225	155	99	520	64	79	182
30	88	805	476	888	---	230	260	93	500	60	65	168
31	83	---	740	592	---	227	---	88	---	67	82	---
TOTAL	2,345	5,683	16,081	20,509	48,015	15,846	5,760	8,993	8,759	7,966	2,877	29,432
MEAN	75.6	189	519	662	1,656	511	192	290	292	257	92.8	981
MAX	98	993	999	2,040	4,470	2,360	298	1,230	779	881	261	6,240
MIN	56	55	242	269	338	225	127	88	121	60	40	49
CFSM	0.16	0.40	1.10	1.41	3.52	1.09	0.41	0.62	0.62	0.55	0.20	2.09
IN.	0.19	0.45	1.27	1.62	3.80	1.25	0.46	0.71	0.69	0.63	0.23	2.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

MEAN	206	316	598	977	1,264	1,716	1,172	502	373	372	287	216
MAX	2,449	3,381	2,779	3,332	4,255	5,505	4,418	2,271	1,960	2,674	2,227	1,188
(WY)	(1999)	(1949)	(1954)	(1946)	(1961)	(2001)	(1944)	(1978)	(2001)	(1994)	(1939)	(1946)
MIN	5.04	15.9	40.8	72.5	142	106	121	30.6	19.2	12.5	11.1	4.71
(WY)	(2001)	(1955)	(1955)	(1956)	(1950)	(1955)	(1967)	(2000)	(2000)	(2000)	(1954)	(1954)

02373000 SEPULGA RIVER NEAR MCKENZIE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004	
ANNUAL TOTAL	320,965		172,266			
ANNUAL MEAN	879		471		664	
HIGHEST ANNUAL MEAN					1,314	1946
LOWEST ANNUAL MEAN					108	2000
HIGHEST DAILY MEAN	9,090	Jul 3	6,240	Sep 19	29,700	Oct 1, 1998
LOWEST DAILY MEAN	55	Nov 15	40	Aug 8	2.6	Aug 31, 2000
ANNUAL SEVEN-DAY MINIMUM	58	Nov 11	49	Aug 4	3.2	Oct 30, 2000
MAXIMUM PEAK FLOW			6,560	Sep 19	32,800	Oct 1, 1998
MAXIMUM PEAK STAGE			11.96	Sep 19	27.19	Oct 1, 1998
ANNUAL RUNOFF (CFSM)	1.87		1.00		1.41	
ANNUAL RUNOFF (INCHES)	25.40		13.63		19.19	
10 PERCENT EXCEEDS	2,280		986		1,690	
50 PERCENT EXCEEDS	403		236		215	
90 PERCENT EXCEEDS	79		63		38	



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

LOCATION.--Lat 31° 04'01", long 86° 03'42", in SW $^1/_4$ NE $^1/_4$ sec. 9, T. 1 N., R. 10 E., Escambia County, Hydrologic Unit 03140304, on downstream side of bridge on State Highway 41, 1.0 mi south of East Brewton, 2.7 mi upstream from Murder Creek, and at mile 10.1.

DRAINAGE AREA.--2,661 mi^2.

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-stage recorder. Datum of gage is 43.10 ft above NGVD of 1929. Gage datum changed from 53.10 ft in 1999 water year.

REMARKS.--Estimated daily discharges: Aug. 22 - Sept. 21. 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 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 CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 15	0900	11,200	21.22	Sep 21	1030	*15,200	*23.53
Mar 1	2330	11,500	21.44				

Minimum discharge, 511 ft^3/s, Sept. 1, gage height, 8.02 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,930	1,460	3,880	3,130	4,600	12,000	2,130	6,950	1,780	4,750	1,080	e1,710
2	1,850	1,470	4,080	2,980	4,290	11,200	2,070	3,740	4,240	3,780	1,270	e2,050
3	1,760	1,390	3,370	2,770	3,930	10,500	1,930	3,800	5,390	4,750	1,280	e2,590
4	1,760	1,330	3,100	2,740	3,340	9,160	1,910	3,390	3,570	3,900	1,080	e3,200
5	1,550	1,370	3,040	2,660	2,830	7,120	1,850	2,870	2,800	3,230	936	e3,680
6	1,630	1,270	2,680	2,450	2,960	5,620	1,820	2,760	2,620	2,810	1,010	e3,410
7	1,630	1,330	2,700	2,360	4,960	5,030	1,790	2,580	2,640	2,150	971	e2,630
8	1,540	1,440	2,590	2,280	5,930	4,270	1,790	2,190	2,630	2,600	821	e1,830
9	1,660	1,260	2,190	2,230	5,770	3,970	1,810	1,730	1,880	4,320	788	e1,710
10	1,680	1,360	3,060	2,560	5,130	3,710	1,810	1,600	1,820	5,080	1,050	e1,530
11	1,690	1,340	3,940	2,420	4,700	3,500	1,730	1,590	1,730	3,320	1,170	e1,390
12	1,910	1,310	3,930	2,360	6,220	3,220	1,750	1,280	1,700	2,470	1,640	e1,270
13	1,830	1,190	4,210	2,300	9,770	3,020	1,770	1,390	1,350	2,180	2,790	e1,220
14	1,840	1,300	4,730	2,320	10,800	2,980	1,810	2,140	1,600	2,100	2,840	e1,090
15	1,790	1,200	6,360	2,250	11,100	2,960	1,840	3,150	1,820	2,310	2,460	e1,340
16	1,690	1,230	5,750	2,170	10,600	2,870	1,900	2,920	2,480	1,840	1,970	e1,750
17	1,680	1,290	5,020	2,130	9,640	3,210	1,860	2,560	2,970	2,030	1,590	e2,360
18	1,630	1,320	4,290	2,770	8,670	2,890	1,730	2,770	3,210	2,410	1,190	e3,200
19	1,570	1,560	3,460	3,590	7,790	2,920	1,660	2,450	3,010	2,510	1,200	e4,540
20	1,460	2,090	3,030	3,770	6,820	2,750	1,540	2,290	2,650	2,500	1,090	e7,250
21	1,460	1,660	3,320	3,670	5,740	2,750	1,450	1,810	2,570	2,120	1,120	e10,900
22	1,370	1,870	2,740	3,400	4,760	2,530	1,470	1,860	2,200	2,000	e1,460	14,600
23	1,450	2,210	2,460	3,260	4,290	2,420	1,380	1,730	1,930	1,620	e1,660	14,000
24	1,380	2,800	2,070	2,870	7,210	2,360	1,310	1,660	2,370	1,340	e1,510	11,900
25	1,300	3,450	2,440	2,580	10,500	2,150	1,270	1,470	3,840	1,460	e1,240	7,650
26	1,330	3,160	2,660	2,860	13,100	2,200	1,320	1,530	4,520	1,220	e1,120	4,150
27	1,550	2,480	2,670	5,710	13,900	2,260	1,350	1,330	5,040	1,320	e1,070	2,850
28	1,570	3,240	2,540	7,620	13,600	2,010	1,620	1,150	6,050	1,210	e1,070	2,570
29	1,570	4,250	2,970	7,610	13,000	2,100	1,330	1,180	6,890	1,280	e1,170	2,370
30	1,500	4,040	3,110	6,720	---	2,130	4,800	1,120	6,330	1,270	e1,240	2,100
31	1,580	---	3,350	5,540	---	2,060	---	1,140	---	984	e1,460	---
TOTAL	50,140	56,670	105,740	104,080	215,950	127,870	53,800	70,130	93,630	76,864	42,346	122,840
MEAN	1,617	1,889	3,411	3,357	7,447	4,125	1,793	2,262	3,121	2,479	1,366	4,095
MAX	1,930	4,250	6,360	7,620	13,900	12,000	4,800	6,950	6,890	5,080	2,840	14,600
MIN	1,300	1,190	2,070	2,130	2,830	2,010	1,270	1,120	1,350	984	788	1,090
CFSM	0.61	0.71	1.28	1.26	2.80	1.55	0.67	0.85	1.17	0.93	0.51	1.54
IN.	0.70	0.79	1.48	1.46	3.02	1.79	0.75	0.98	1.31	1.07	0.59	1.72

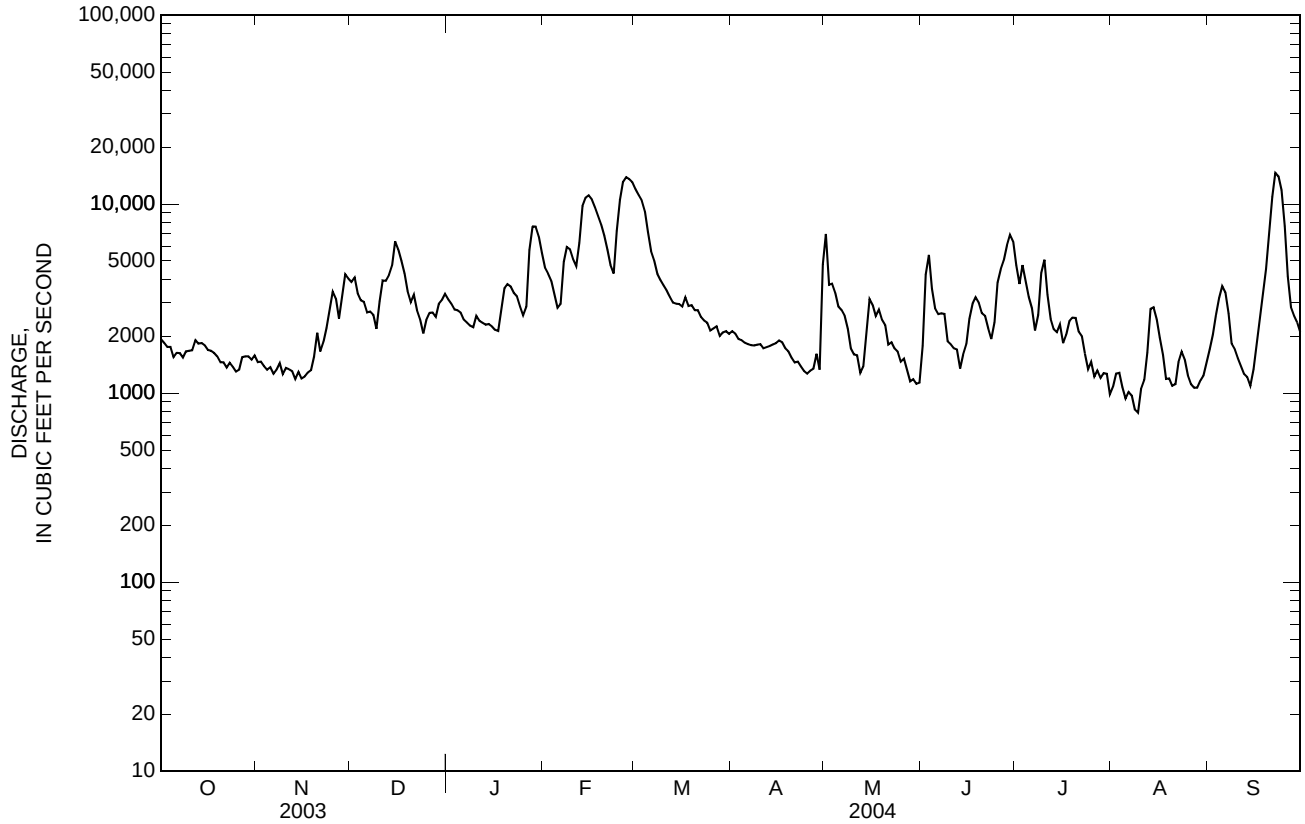
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	1,350	1,805	2,559	2,921	3,720	7,904	3,765	2,005	3,117	3,526	2,108	1,943
MAX	2,772	4,233	4,524	4,014	7,447	19,990	7,100	4,249	6,592	9,028	5,637	4,095
(WY)	(2003)	(2003)	(2003)	(2003)	(2004)	(2001)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	274	741	1,233	1,593	1,513	2,304	1,275	478	366	302	390	382
(WY)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	1,794,130		1,120,060			
ANNUAL MEAN	4,915		3,060		3,020	
HIGHEST ANNUAL MEAN					5,301	2003
LOWEST ANNUAL MEAN					949	2000
HIGHEST DAILY MEAN	16,300	Jul 3	14,600	Sep 22	56,600	Mar 9, 2001
LOWEST DAILY MEAN	1,190	Nov 13	788	Aug 9	217	Jul 20, 2000
ANNUAL SEVEN-DAY MINIMUM	1,260	Nov 12	951	Aug 4	223	Oct 25, 2000
MAXIMUM PEAK FLOW			15,200	Sep 21	58,100	Mar 9, 2001
MAXIMUM PEAK STAGE			23.53	Sep 21	30.24	Mar 9, 2001
ANNUAL RUNOFF (CFSM)	1.85		1.15		1.13	
ANNUAL RUNOFF (INCHES)	25.08		15.66		15.42	
10 PERCENT EXCEEDS	9,860		5,760		7,190	
50 PERCENT EXCEEDS	3,440		2,300		1,890	
90 PERCENT EXCEEDS	1,630		1,270		470	

e Estimated



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

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.56	10.55	14.69	13.68	15.50	21.80	11.95	17.79	11.13	15.64	9.64	---
2	11.39	10.56	14.93	13.44	15.16	21.19	11.83	14.47	15.04	14.56	10.09	---
3	11.20	10.38	14.03	13.10	14.75	20.67	11.57	14.59	16.31	15.67	10.12	---
4	11.20	10.24	13.63	13.06	13.99	19.65	11.52	14.06	14.27	14.70	9.63	---
5	10.75	10.34	13.54	12.92	13.20	17.95	11.39	13.27	13.15	13.82	9.27	---
6	10.94	10.09	12.94	12.54	13.38	16.55	11.33	13.08	12.84	13.17	9.47	---
7	10.92	10.24	12.98	12.39	15.86	15.96	11.28	12.76	12.88	11.98	9.36	---
8	10.73	10.50	12.79	12.23	16.86	15.13	11.27	12.08	12.85	12.75	8.96	---
9	11.00	10.07	12.07	12.14	16.70	14.80	11.30	11.13	11.46	15.19	8.86	---
10	11.03	10.31	13.53	12.74	16.06	14.50	11.32	10.87	11.33	16.01	9.56	---
11	11.05	10.26	14.77	12.48	15.61	14.21	11.14	10.84	11.14	13.93	9.86	---
12	11.51	10.18	14.76	12.38	17.09	13.82	11.19	10.12	11.09	12.57	10.93	---
13	11.36	9.90	15.07	12.28	20.13	13.50	11.24	10.37	10.29	12.05	13.13	---
14	11.38	10.16	15.63	12.32	20.92	13.44	11.31	11.91	10.86	11.90	13.22	---
15	11.27	9.92	17.27	12.19	21.16	13.42	11.37	13.70	11.32	12.29	12.55	---
16	11.07	9.99	16.68	12.03	20.77	13.27	11.49	13.35	12.59	11.37	11.63	---
17	11.03	10.13	15.95	11.96	20.03	13.80	11.41	12.74	13.40	11.77	10.85	---
18	10.93	10.22	15.16	13.10	19.27	13.30	11.14	13.10	13.80	12.47	9.90	---
19	10.79	10.77	14.15	14.33	18.54	13.35	11.00	12.54	13.49	12.65	9.92	---
20	10.54	11.87	13.53	14.57	17.69	13.06	10.72	12.25	12.89	12.63	9.67	---
21	10.54	11.00	13.95	14.44	16.67	13.07	10.52	11.31	12.75	11.94	9.72	---
22	10.32	11.43	13.05	14.06	15.67	12.69	10.56	11.41	12.08	11.70	---	23.29
23	10.52	12.11	12.56	13.87	15.16	12.50	10.37	11.14	11.57	10.91	---	23.00
24	10.35	13.14	11.84	13.27	17.99	12.38	10.19	11.00	12.39	10.25	---	21.66
25	10.17	14.13	12.53	12.77	20.71	11.99	10.10	10.57	14.62	10.55	---	18.37
26	10.24	13.71	12.92	13.24	22.48	12.09	10.21	10.69	15.42	9.98	---	14.96
27	10.75	12.60	12.94	16.60	22.94	12.20	10.29	10.22	15.97	10.21	---	13.23
28	10.79	13.75	12.70	18.39	22.75	11.72	10.90	9.81	16.97	9.94	---	12.76
29	10.79	15.12	13.40	18.39	22.45	11.89	10.24	9.89	17.76	10.11	---	12.40
30	10.64	14.88	13.65	17.60	---	11.95	15.45	9.73	17.24	10.08	---	11.90
31	10.82	---	14.00	16.48	---	11.81	---	9.77	---	9.39	---	---
MEAN	10.89	11.29	13.92	13.71	17.91	14.44	11.19	11.95	13.30	12.33	---	---
MAX	11.56	15.12	17.27	18.39	22.94	21.80	15.45	17.79	17.76	16.01	---	---
MIN	10.17	9.90	11.84	11.96	13.20	11.72	10.10	9.73	10.29	9.39	---	---

CAL YR 2003 MEAN 15.11 MAX 24.02 MIN 9.90

02374500 MURDER CREEK NEAR EVERGREEN, AL

LOCATION.--Lat 31° 25'06", long 86° 59'12", in SW $^1/_4$ NW $^1/_4$ 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 mi^2.

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 NGVD of 1929 (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).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 17	1930	*2,980	*10.97	No other peak greater than base discharge.			

Minimum discharge, 65 ft^3/s, Aug. 7, 8, 9, 10, 20, gage height, 2.83 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

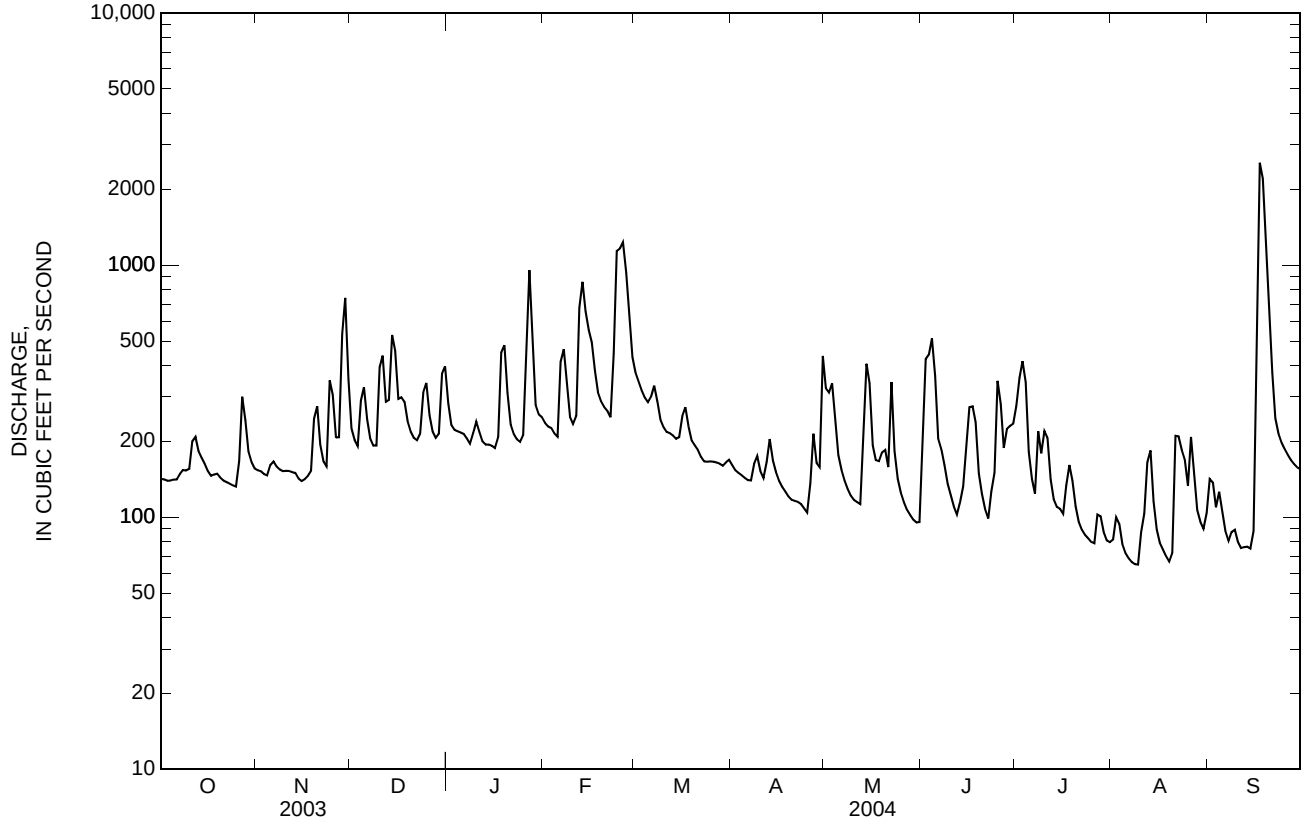
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	142	154	225	283	237	375	161	325	194	276	81	142
2	141	152	202	233	229	345	154	312	424	357	100	137
3	140	148	192	222	226	319	150	339	442	416	94	109
4	140	146	291	219	215	298	147	250	512	343	78	126
5	141	161	328	217	209	286	143	176	363	182	72	106
6	141	166	244	214	414	301	140	154	205	142	69	88
7	148	159	205	205	464	332	140	140	186	124	66	81
8	154	155	193	196	335	288	163	129	161	220	65	87
9	153	152	192	216	250	244	175	122	136	179	65	89
10	155	153	394	240	235	227	152	117	123	220	87	80
11	200	153	437	218	252	218	143	115	110	207	103	75
12	208	151	287	200	677	215	166	113	103	141	165	76
13	183	150	292	194	858	211	204	203	115	118	184	76
14	172	142	528	194	656	205	168	406	132	110	116	75
15	163	139	458	192	553	208	151	340	197	108	89	88
16	152	142	294	188	494	252	139	193	273	103	79	786
17	146	146	299	208	380	273	132	169	275	133	74	2,540
18	148	153	286	450	312	228	126	167	238	161	70	2,200
19	149	246	240	481	287	202	121	180	149	140	67	1,280
20	143	276	218	312	273	193	117	185	124	110	72	720
21	140	194	207	233	264	185	116	158	108	96	211	375
22	138	167	202	214	249	174	115	344	99	89	209	247
23	136	159	214	204	446	166	113	183	126	85	185	214
24	134	349	313	199	1,140	166	108	142	150	83	169	198
25	132	306	341	212	1,160	167	104	126	347	80	133	186
26	167	207	253	425	1,230	166	137	115	281	79	208	177
27	300	208	219	955	935	165	214	107	188	102	143	169
28	242	533	207	470	641	163	164	102	224	101	107	163
29	183	741	214	279	432	160	158	98	230	88	96	158
30	165	354	371	256	---	165	436	95	235	81	90	155
31	156	---	397	249	---	169	---	96	---	80	104	---
TOTAL	5,012	6,462	8,743	8,578	14,053	7,066	4,657	5,701	6,450	4,754	3,451	11,003
MEAN	162	215	282	277	485	228	155	184	215	153	111	367
MAX	300	741	528	955	1,230	375	436	406	512	416	211	2,540
MIN	132	139	192	188	209	160	104	95	99	79	65	75
CFSM	0.92	1.22	1.60	1.57	2.75	1.30	0.88	1.04	1.22	0.87	0.63	2.08
IN.	1.06	1.37	1.85	1.81	2.97	1.49	0.98	1.20	1.36	1.00	0.73	2.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

MEAN	154	217	278	339	397	496	402	270	238	226	191	180
MAX	479	1,063	898	764	1,141	1,146	1,088	795	627	768	757	530
(WY)	(1976)	(1949)	(1954)	(1946)	(1961)	(1990)	(1980)	(1978)	(1980)	(2003)	(1975)	(1946)
MIN	43.7	62.8	89.1	128	140	109	91.4	54.5	71.1	43.4	40.8	46.7
(WY)	(2001)	(1955)	(1955)	(1956)	(2000)	(1955)	(2000)	(2000)	(2000)	(2000)	(2000)	(1954)

02374500 MURDER CREEK NEAR EVERGREEN, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004	
ANNUAL TOTAL	129,324		85,930			
ANNUAL MEAN	354		235		282	
HIGHEST ANNUAL MEAN					487	1975
LOWEST ANNUAL MEAN					101	2000
HIGHEST DAILY MEAN	3,270	Jul 2	2,540	Sep 17	12,200	Mar 16, 1938
LOWEST DAILY MEAN	132	Oct 25	65	Aug 8	33	Jul 20, 2000
ANNUAL SEVEN-DAY MINIMUM	139	Oct 19	72	Aug 4	35	Aug 15, 2000
MAXIMUM PEAK FLOW			2,980	Sep 17	22,000	Feb 25, 1961
MAXIMUM PEAK STAGE			10.97	Sep 17	16.65	Mar 16, 1938
ANNUAL RUNOFF (CFSM)	2.01		1.33		1.60	
ANNUAL RUNOFF (INCHES)	27.33		18.16		21.75	
10 PERCENT EXCEEDS	729		395		511	
50 PERCENT EXCEEDS	242		180		196	
90 PERCENT EXCEEDS	153		96		92	



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 mi^2.

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 NGVD of 1929. Prior to March 1999, nonrecording gage at same site and at datum 10 ft higher.

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

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, discharge, 18,100 ft^3/s.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 26	0300	4,450	17.93	Jun 2	2230	3,430	16.38
Apr 30	0900	4,910	18.51	Sep 17	0700	*5,740	*19.32

Minimum discharge, 188 ft^3/s, Aug. 20, gage height, 9.40 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

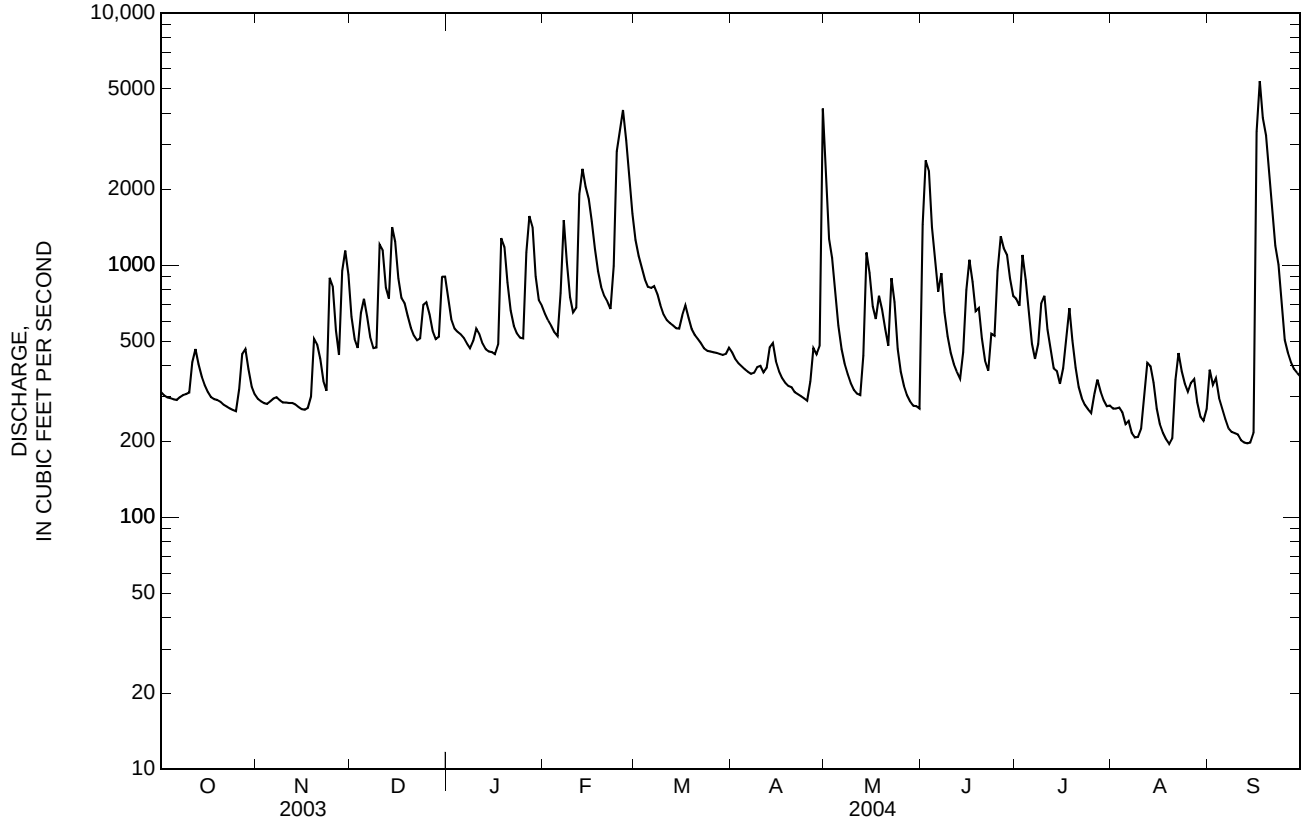
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	313	295	624	729	641	1,260	450	2,490	1,450	735	270	385
2	304	288	508	609	603	1,090	425	1,270	2,600	690	270	335
3	299	283	469	561	573	979	408	1,070	2,370	1,100	272	356
4	297	281	646	544	542	879	397	765	1,410	874	261	297
5	294	288	735	532	523	821	387	575	1,040	646	234	270
6	292	296	623	514	775	812	377	466	786	488	241	245
7	299	299	519	489	1,510	827	371	408	928	425	216	225
8	305	291	468	468	1,030	770	374	369	650	487	207	218
9	308	285	472	500	747	693	394	340	521	704	208	215
10	312	285	1,210	560	649	636	398	320	450	756	224	213
11	412	284	1,150	532	678	606	376	309	405	556	298	202
12	465	284	815	489	1,910	590	392	305	378	465	410	198
13	405	280	738	464	2,410	577	471	437	354	389	397	197
14	362	274	1,410	454	2,050	562	490	1,120	451	380	342	198
15	335	268	1,240	452	1,830	560	415	930	798	338	270	216
16	314	267	887	444	1,490	633	379	687	1,050	391	234	3,380
17	300	271	742	484	1,160	692	356	611	858	501	216	5,370
18	294	301	706	1,280	946	618	341	756	657	676	204	3,830
19	292	510	631	1,180	818	558	331	668	676	500	195	3,270
20	287	483	566	853	754	528	328	558	512	391	205	2,280
21	280	425	526	661	716	510	313	479	418	329	352	1,610
22	275	346	503	574	670	489	308	888	381	296	448	1,190
23	270	317	513	536	992	467	302	713	534	279	380	1,000
24	266	891	695	515	2,820	457	296	465	524	268	340	724
25	263	824	711	512	3,450	454	290	378	950	259	315	505
26	322	549	638	1,130	4,120	451	346	332	1,300	308	341	451
27	444	440	550	1,560	3,130	448	469	305	1,170	351	353	412
28	465	948	509	1,410	2,220	444	443	288	1,100	315	286	388
29	387	1,140	519	904	1,600	440	477	277	884	292	250	374
30	331	915	899	726	---	444	4,180	276	753	276	241	362
31	308	---	901	690	---	470	---	270	---	277	269	---
TOTAL	10,100	12,908	22,123	21,356	41,357	19,765	15,284	19,125	26,358	14,742	8,749	28,916
MEAN	326	430	714	689	1,426	638	509	617	879	476	282	964
MAX	465	1,140	1,410	1,560	4,120	1,260	4,180	2,490	2,600	1,100	448	5,370
MIN	263	267	468	444	523	440	290	270	354	259	195	197
CFSM	0.75	0.99	1.64	1.58	3.28	1.47	1.17	1.42	2.02	1.09	0.65	2.22
IN.	0.86	1.10	1.89	1.83	3.54	1.69	1.31	1.64	2.25	1.26	0.75	2.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	360	402	521	538	721	1,109	568	400	602	631	424	484
MAX	707	741	826	695	1,426	2,566	1,012	734	1,005	1,862	944	964
(WY)	(2003)	(2003)	(2003)	(2003)	(2004)	(2001)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	98.0	239	317	363	364	390	233	139	177	120	124	155
(WY)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)

02374700 MURDER CREEK AT BREWTON, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	311,443		240,783			
ANNUAL MEAN	853		658		574	
HIGHEST ANNUAL MEAN					921	2003
LOWEST ANNUAL MEAN					241	2000
HIGHEST DAILY MEAN	6,710	Jul 2	5,370	Sep 17	12,200	Mar 4, 2001
LOWEST DAILY MEAN	263	Oct 25	195	Aug 19	79	Aug 25, 2000
ANNUAL SEVEN-DAY MINIMUM	275	Nov 11	206	Sep 9	84	Aug 19, 2000
MAXIMUM PEAK FLOW			5,740	Sep 17	13,400	Mar 4, 2001
MAXIMUM PEAK STAGE			19.32	Sep 17	24.44	Mar 4, 2001
ANNUAL RUNOFF (CFSM)	1.96		1.51		1.32	
ANNUAL RUNOFF (INCHES)	26.63		20.59		17.94	
10 PERCENT EXCEEDS	1,620		1,160		1,130	
50 PERCENT EXCEEDS	587		468		395	
90 PERCENT EXCEEDS	310		270		159	



02374700 MURDER CREEK AT BREWTON, AL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.01	9.94	10.86	11.17	10.92	12.49	10.33	14.81	12.61	11.27	9.76	10.19
2	9.97	9.91	10.52	10.82	10.81	12.09	10.24	12.51	15.01	11.15	9.76	10.01
3	9.95	9.89	10.39	10.68	10.72	11.82	10.19	12.06	14.61	12.13	9.77	10.09
4	9.94	9.88	10.92	10.63	10.62	11.57	10.15	11.35	12.82	11.62	9.72	9.87
5	9.93	9.91	11.18	10.59	10.56	11.42	10.11	10.81	12.00	11.02	9.61	9.76
6	9.93	9.94	10.86	10.53	11.25	11.39	10.08	10.47	11.41	10.54	9.64	9.65
7	9.96	9.95	10.55	10.45	13.02	11.43	10.06	10.27	11.75	10.33	9.53	9.57
8	9.98	9.92	10.39	10.39	11.94	11.28	10.07	10.14	11.03	10.53	9.49	9.54
9	9.99	9.90	10.39	10.49	11.22	11.07	10.14	10.03	10.64	11.17	9.49	9.53
10	10.01	9.90	12.35	10.67	10.94	10.90	10.15	9.96	10.42	11.31	9.56	9.51
11	10.37	9.89	12.22	10.59	11.02	10.81	10.07	9.91	10.27	10.75	9.86	9.46
12	10.55	9.89	11.40	10.45	13.72	10.77	10.13	9.90	10.17	10.46	10.28	9.45
13	10.35	9.88	11.18	10.37	14.69	10.73	10.39	10.33	10.09	10.21	10.24	9.44
14	10.19	9.85	12.82	10.34	14.08	10.68	10.46	12.18	10.41	10.18	10.04	9.45
15	10.09	9.83	12.44	10.33	13.67	10.68	10.21	11.75	11.43	10.03	9.76	9.52
16	10.01	9.83	11.59	10.31	12.98	10.89	10.08	11.13	12.03	10.21	9.61	15.89
17	9.96	9.84	11.20	10.43	12.25	11.06	10.00	10.92	11.58	10.58	9.53	18.94
18	9.94	9.96	11.10	12.51	11.74	10.85	9.95	11.33	11.05	11.11	9.48	17.01
19	9.93	10.69	10.89	12.31	11.41	10.67	9.91	11.08	11.11	10.58	9.44	16.12
20	9.91	10.61	10.69	11.50	11.24	10.58	9.90	10.76	10.62	10.22	9.48	14.48
21	9.88	10.41	10.57	10.97	11.13	10.52	9.84	10.51	10.31	9.99	10.08	13.22
22	9.86	10.14	10.50	10.72	11.00	10.45	9.82	11.65	10.18	9.86	10.41	12.34
23	9.84	10.03	10.53	10.60	11.75	10.38	9.80	11.21	10.69	9.79	10.18	11.93
24	9.82	11.68	11.07	10.54	15.38	10.35	9.77	10.46	10.65	9.75	10.03	11.23
25	9.81	11.56	11.12	10.53	16.39	10.34	9.75	10.17	11.77	9.71	9.94	10.59
26	10.04	10.81	10.91	12.11	17.44	10.33	9.96	10.00	12.58	9.90	10.03	10.42
27	10.48	10.46	10.64	13.14	15.89	10.32	10.39	9.90	12.29	10.07	10.08	10.29
28	10.54	11.78	10.52	12.82	14.37	10.31	10.30	9.83	12.14	9.94	9.82	10.21
29	10.28	12.21	10.55	11.63	13.20	10.29	10.36	9.79	11.64	9.85	9.68	10.16
30	10.08	11.66	11.61	11.16	---	10.31	17.48	9.78	11.31	9.78	9.64	10.12
31	9.99	---	11.62	11.06	---	10.39	---	9.76	---	9.79	9.75	---
MEAN	10.05	10.34	11.08	10.99	12.60	10.88	10.34	10.80	11.49	10.45	9.80	11.27
MAX	10.55	12.21	12.82	13.14	17.44	12.49	17.48	14.81	15.01	12.13	10.41	18.94
MIN	9.81	9.83	10.39	10.31	10.56	10.29	9.75	9.76	10.09	9.71	9.44	9.44

CAL YR	2003	MEAN	11.35	MAX	20.30	MIN 9.81
WTR YR	2004	MEAN	10.83	MAX	18.94	MIN 9.44

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

LOCATION.--Lat 31° 07'47", long 87° 05'14", in SW $^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 75 ft above NGVD of 1929, from topographic map.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 29, 1998 reached a gage height of 22.15 ft, 18,400 ft^3/s (from highwater mark).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 26	0130	2,420	10.88	Jun 2	2030	2,840	11.69
Apr 30	1030	*3,650	*13.09	Sep 16	2330	3,420	12.74

Minimum discharge, 48 ft^3/s, Sept. 14, 15, gage height, 3.54 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

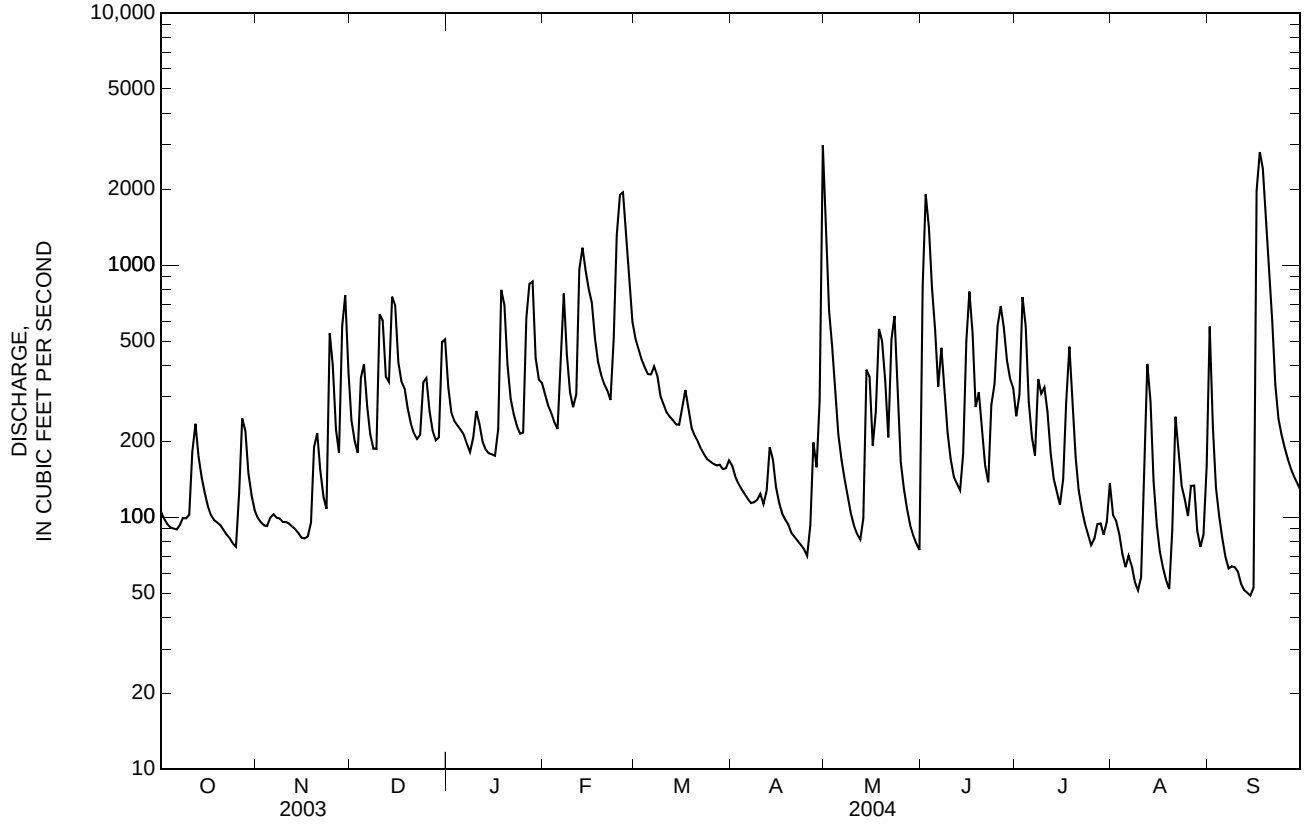
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	99	242	328	306	511	160	1,510	825	251	102	570
2	98	96	201	260	278	462	145	659	1,910	307	97	226
3	94	93	180	240	259	422	136	478	1,410	747	86	131
4	91	92	358	231	238	393	129	309	815	571	72	101
5	90	100	404	222	224	369	124	213	550	287	63	83
6	89	103	276	213	410	369	118	168	330	207	70	70
7	93	100	214	195	772	397	114	142	470	176	64	63
8	99	99	187	181	443	364	115	121	313	354	56	64
9	99	96	187	207	313	303	117	104	215	309	51	63
10	102	96	638	264	273	281	124	93	170	327	58	61
11	181	94	604	234	307	260	113	86	144	262	122	54
12	235	92	361	200	961	250	128	82	136	179	406	51
13	174	90	344	186	1,170	243	190	99	128	142	288	50
14	143	86	750	179	955	233	169	385	178	125	139	49
15	125	83	695	178	803	233	132	361	502	112	93	52
16	110	82	411	175	711	275	114	192	786	142	73	1,970
17	102	84	346	223	511	319	103	262	536	287	63	2,810
18	97	95	324	798	413	267	98	559	274	475	56	2,410
19	95	190	271	694	366	226	93	501	313	282	52	1,410
20	93	215	236	403	337	210	86	348	221	173	89	920
21	89	153	216	295	318	200	83	207	161	128	250	597
22	85	121	204	255	292	187	80	508	138	107	183	335
23	83	108	212	230	512	177	78	628	278	95	133	245
24	79	538	343	214	1,310	170	75	282	337	86	118	212
25	76	401	356	216	1,900	166	70	165	573	77	101	188
26	125	223	263	618	1,940	163	93	129	687	82	133	170
27	246	180	221	842	1,290	160	198	108	567	94	134	156
28	220	573	202	861	905	162	158	93	418	94	88	145
29	149	760	207	428	595	155	289	85	356	85	76	137
30	122	379	495	352	---	157	2,990	79	325	96	85	129
31	107	---	507	342	---	168	---	74	---	136	160	---
TOTAL	3,696	5,521	10,455	10,264	19,112	8,252	6,622	9,030	14,066	6,795	3,561	13,522
MEAN	119	184	337	331	659	266	221	291	469	219	115	451
MAX	246	760	750	861	1,940	511	2,990	1,510	1,910	747	406	2,810
MIN	76	82	180	175	224	155	70	74	128	77	51	49
CFSM	0.66	1.01	1.85	1.82	3.62	1.46	1.21	1.60	2.58	1.20	0.63	2.48
IN.	0.76	1.13	2.14	2.10	3.91	1.69	1.35	1.85	2.88	1.39	0.73	2.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	156	176	250	263	345	524	232	154	262	285	169	218
MAX	368	369	399	333	659	1,268	409	370	469	1,016	460	451
(WY)	(2003)	(2003)	(2003)	(2001)	(2004)	(2001)	(2003)	(2003)	(2004)	(2003)	(2003)	(2004)
MIN	15.3	96.6	153	159	144	145	62.0	24.5	43.6	25.5	31.9	37.5
(WY)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	148,500		110,896			
ANNUAL MEAN	407		303		258	
HIGHEST ANNUAL MEAN					448	2003
LOWEST ANNUAL MEAN					87.4	2000
HIGHEST DAILY MEAN	4,890	Jul 2	2,990	Apr 30	6,740	Mar 4, 2001
LOWEST DAILY MEAN	76	Oct 25	49	Sep 14	10	Jun 12, 2000
ANNUAL SEVEN-DAY MINIMUM	86	Oct 19	54	Sep 9	11	Jun 8, 2000
MAXIMUM PEAK FLOW			3,650	Apr 30	8,300	Mar 4, 2001
MAXIMUM PEAK STAGE			13.09	Apr 30	17.56	Mar 4, 2001
ANNUAL RUNOFF (CFSM)	2.24		1.66		1.42	
ANNUAL RUNOFF (INCHES)	30.35		22.67		19.27	
10 PERCENT EXCEEDS	888		608		602	
50 PERCENT EXCEEDS	256		191		149	
90 PERCENT EXCEEDS	104		83		32	



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

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.02	3.93	4.71	5.08	4.99	5.87	4.35	8.82	6.68	4.92	4.03	6.10
2	3.97	3.90	4.51	4.79	4.87	5.69	4.26	6.44	9.73	5.14	3.99	4.76
3	3.94	3.87	4.39	4.70	4.79	5.54	4.20	5.89	8.53	6.65	3.90	4.23
4	3.92	3.87	5.21	4.65	4.69	5.42	4.15	5.27	6.86	6.12	3.78	4.02
5	3.91	3.92	5.41	4.61	4.62	5.33	4.12	4.83	6.10	5.06	3.70	3.88
6	3.89	3.95	4.86	4.56	5.39	5.33	4.08	4.59	5.34	4.68	3.77	3.76
7	3.92	3.92	4.56	4.47	6.68	5.45	4.05	4.42	5.86	4.51	3.71	3.69
8	3.97	3.91	4.42	4.39	5.56	5.31	4.05	4.28	5.26	5.33	3.62	3.71
9	3.97	3.88	4.41	4.53	5.03	5.06	4.07	4.16	4.82	5.16	3.58	3.70
10	3.99	3.88	6.26	4.81	4.87	4.96	4.12	4.08	4.57	5.23	3.64	3.68
11	4.48	3.87	6.14	4.66	5.01	4.87	4.04	4.02	4.41	4.95	4.16	3.61
12	4.77	3.85	5.22	4.49	7.26	4.82	4.14	3.99	4.36	4.53	5.54	3.58
13	4.45	3.83	5.14	4.42	7.92	4.79	4.52	4.12	4.30	4.31	5.05	3.56
14	4.27	3.80	6.61	4.38	7.26	4.74	4.40	5.53	4.58	4.20	4.29	3.55
15	4.14	3.77	6.44	4.37	6.78	4.74	4.17	5.46	5.90	4.11	3.96	3.59
16	4.04	3.76	5.43	4.36	6.51	4.94	4.05	4.72	6.77	4.29	3.79	9.54
17	3.97	3.78	5.16	4.56	5.84	5.13	3.97	5.01	6.02	5.05	3.70	11.62
18	3.94	3.86	5.07	6.76	5.47	4.90	3.93	6.15	5.06	5.80	3.63	10.86
19	3.92	4.46	4.84	6.44	5.28	4.71	3.89	5.97	5.23	5.03	3.58	8.60
20	3.90	4.60	4.67	5.39	5.16	4.63	3.84	5.42	4.81	4.49	3.84	7.16
21	3.87	4.26	4.57	4.94	5.08	4.57	3.81	4.80	4.48	4.22	4.89	6.26
22	3.83	4.04	4.52	4.77	4.97	4.50	3.79	5.97	4.33	4.07	4.55	5.37
23	3.81	3.95	4.55	4.65	5.74	4.45	3.76	6.35	5.04	3.97	4.25	4.99
24	3.77	5.91	5.15	4.57	8.35	4.41	3.73	5.13	5.32	3.90	4.15	4.83
25	3.75	5.41	5.20	4.58	9.77	4.39	3.70	4.57	6.14	3.83	4.02	4.70
26	4.10	4.63	4.80	6.12	9.87	4.36	3.88	4.34	6.49	3.87	4.25	4.60
27	4.80	4.40	4.60	6.89	8.29	4.35	4.56	4.20	6.13	3.97	4.25	4.51
28	4.66	6.02	4.50	6.96	7.11	4.36	4.33	4.08	5.62	3.97	3.92	4.45
29	4.27	6.65	4.53	5.50	6.16	4.32	4.69	4.01	5.38	3.90	3.82	4.39
30	4.09	5.30	5.75	5.18	---	4.33	11.94	3.96	5.25	3.98	3.90	4.34
31	3.99	---	5.80	5.14	---	4.40	---	3.92	---	4.27	4.37	---
MEAN	4.07	4.31	5.08	5.02	6.18	4.86	4.35	4.98	5.65	4.63	4.05	5.19
MAX	4.80	6.65	6.61	6.96	9.87	5.87	11.94	8.82	9.73	6.65	5.54	11.62
MIN	3.75	3.76	4.39	4.36	4.62	4.32	3.70	3.92	4.30	3.83	3.58	3.55

CAL YR	2003	MEAN 5.26	MAX 14.66	MIN 3.75
WTR YR	2004	MEAN 4.86	MAX 11.94	MIN 3.55

02374950 BIG ESCAMBIA CREEK AT SARDINE BRIDGE NEAR STANLEY CROSSROADS, AL

LOCATION.--Lat 31° 07'46", long 87° 22'14", in SW $^1/_4$ sec. 16, T. 2 N., R. 7 E., Escambia County, Hydrologic Unit 03140305, on upstream side of Sardine Bridge on county road, 2 mi west of Stanley Crossroads, 13 mi northwest of Flomaton.

DRAINAGE AREA.--193 mi^2.

PERIOD OF RECORD.--May 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 110 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 30	0430	2,240	7.77	Sep 16	1700	7,310	13.51
Jul 3	0600	2,250	7.79	Sep 18	0200	*8,270	*14.30

Minimum discharge, 126 ft^3/s, Aug. 9, gage height, 2.05 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

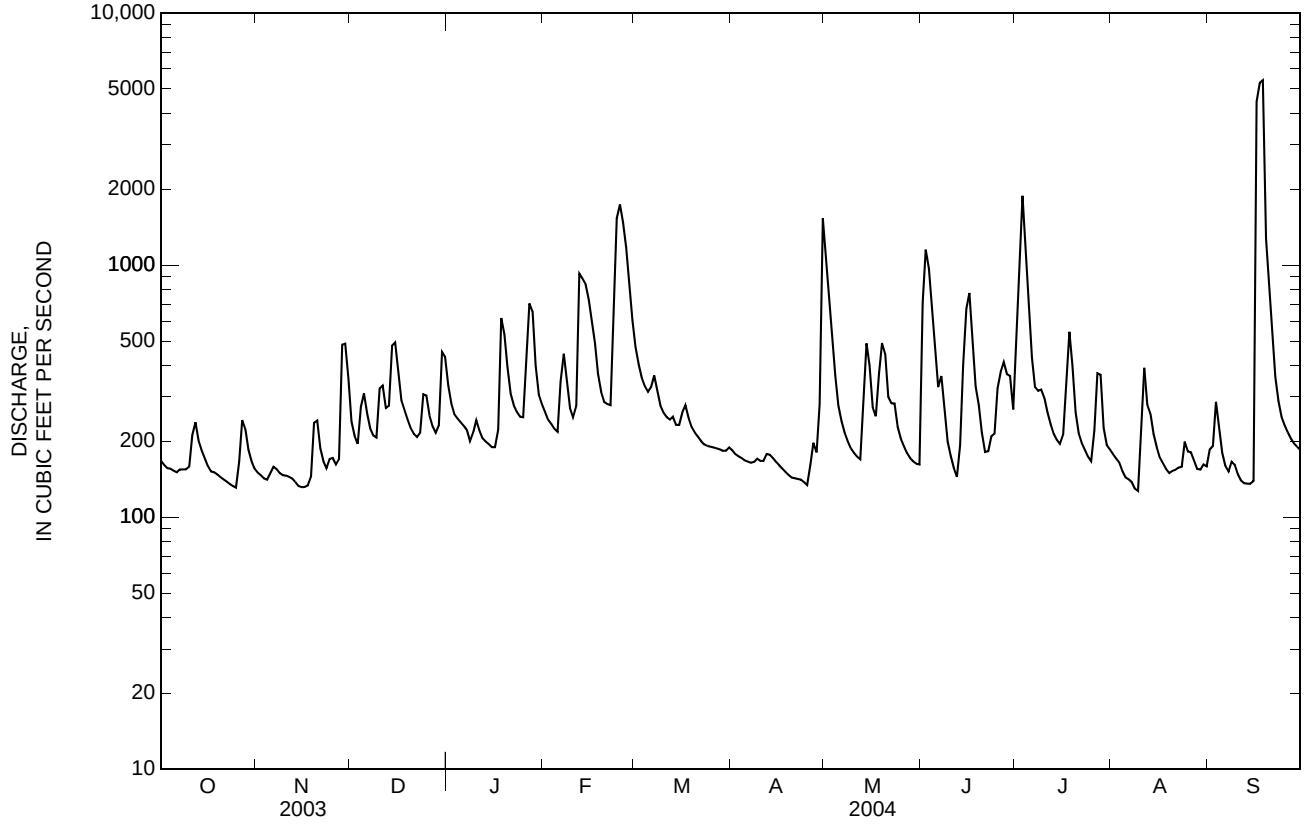
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	168	150	240	333	262	474	184	1,020	709	454	178	186
2	161	147	210	283	244	404	178	720	1,150	1,030	171	192
3	157	142	195	256	235	358	174	524	968	1,880	165	287
4	156	141	274	247	224	331	172	363	679	1,210	153	228
5	153	149	310	238	218	315	168	277	452	681	144	180
6	151	159	258	231	346	329	166	240	328	429	141	160
7	155	155	225	221	445	365	164	217	363	329	138	152
8	155	150	211	200	346	318	166	200	265	317	130	166
9	155	147	207	217	271	278	171	188	200	321	127	161
10	159	146	324	243	249	260	167	180	176	297	242	148
11	212	145	333	221	276	250	167	174	157	261	392	140
12	238	143	271	206	926	244	178	170	144	234	279	136
13	202	138	276	200	884	251	177	265	193	215	257	136
14	184	133	480	195	840	232	172	489	402	203	214	136
15	172	132	494	190	730	232	166	400	671	195	190	139
16	159	132	379	190	607	261	161	272	775	213	173	4,450
17	152	134	291	222	490	278	156	252	498	355	163	5,290
18	151	145	266	617	370	248	151	371	330	544	156	5,420
19	148	237	244	530	314	228	147	490	278	400	150	1,270
20	144	242	225	393	287	217	144	444	216	260	153	763
21	141	188	214	309	281	209	143	301	182	216	154	504
22	138	166	208	278	278	200	142	283	183	197	157	360
23	136	156	216	261	589	195	141	283	209	185	158	288
24	133	170	307	250	1,540	192	138	228	214	174	199	251
25	131	172	304	249	1,740	190	134	206	324	167	182	231
26	166	162	253	414	1,480	189	161	191	378	221	181	217
27	243	170	230	704	1,170	188	197	180	412	372	167	205
28	223	483	216	655	834	186	181	172	369	367	156	196
29	185	487	231	400	604	183	281	167	364	226	155	190
30	167	354	453	306	---	184	1,530	163	268	193	162	185
31	156	---	433	282	---	189	---	162	---	186	159	---
TOTAL	5,151	5,575	8,778	9,541	17,080	7,978	6,377	9,592	11,857	12,332	5,546	22,367
MEAN	166	186	283	308	589	257	213	309	395	398	179	746
MAX	243	487	494	704	1,740	474	1,530	1,020	1,150	1,880	392	5,420
MIN	131	132	195	190	218	183	134	162	144	167	127	136
CFSM	0.86	0.96	1.47	1.59	3.05	1.33	1.10	1.60	2.05	2.06	0.93	3.86
IN.	0.99	1.07	1.69	1.84	3.29	1.54	1.23	1.85	2.29	2.38	1.07	4.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	184	214	268	264	357	557	267	251	286	315	174	325
MAX	411	396	433	315	589	1,062	430	532	527	775	367	746
(WY)	(2003)	(2003)	(2003)	(2003)	(2004)	(2001)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	50.1	102	152	171	211	257	133	58.9	60.9	65.7	62.3	69.1
(WY)	(2001)	(2002)	(2002)	(2002)	(2002)	(2004)	(2002)	(2002)	(2002)	(2000)	(2000)	(2000)

02374950 BIG ESCAMBIA CREEK AT SARDINE BRIDGE NEAR STANLEY CROSSROADS, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	147,309		122,174			
ANNUAL MEAN	404		334		305	
HIGHEST ANNUAL MEAN					454	2003
LOWEST ANNUAL MEAN					148	2002
HIGHEST DAILY MEAN	2,610	Jul 1	5,420	Sep 18	6,730	Mar 4, 2001
LOWEST DAILY MEAN	131	Oct 25	127	Aug 9	45	Aug 18, 2000
ANNUAL SEVEN-DAY MINIMUM	137	Nov 11	137	Nov 11	47	Oct 24, 2000
MAXIMUM PEAK FLOW			8,270	Sep 18	11,400	Mar 5, 2001
MAXIMUM PEAK STAGE			14.30	Sep 18	16.63	Mar 5, 2001
ANNUAL RUNOFF (CFSM)	2.09		1.73		1.58	
ANNUAL RUNOFF (INCHES)	28.39		23.55		21.50	
10 PERCENT EXCEEDS	835		510		599	
50 PERCENT EXCEEDS	282		216		207	
90 PERCENT EXCEEDS	159		147		73	



02375500 ESCAMBIA RIVER NEAR CENTURY, FL

LOCATION.--Lat 30° 57'53", long 87° 14'10", in NW $^1/_4$ sec. 10, T. 5 N., R. 30 W., Santa Rosa County, Fla., Hydrologic Unit 03140305, on downstream side near center of main channel at 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 mi^2.

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 NGVD of 1929 (Florida Department of Transportation benchmark). Prior to Jan. 13, 1940, nonrecording gage at site 400 ft. upstream at same datum. Jan. 13, 1940 to Oct. 21, 1993, water-stage recorder at site 400 ft. upstream at same datum.

REMARKS.--No estimated daily discharges. 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.

REVISIONS.--Revised daily discharge for Nov. 1, 2003, in cubic feet per second, is given below. This figure supersedes that published in the report for 2003 water year.

Nov. 1 11,900

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

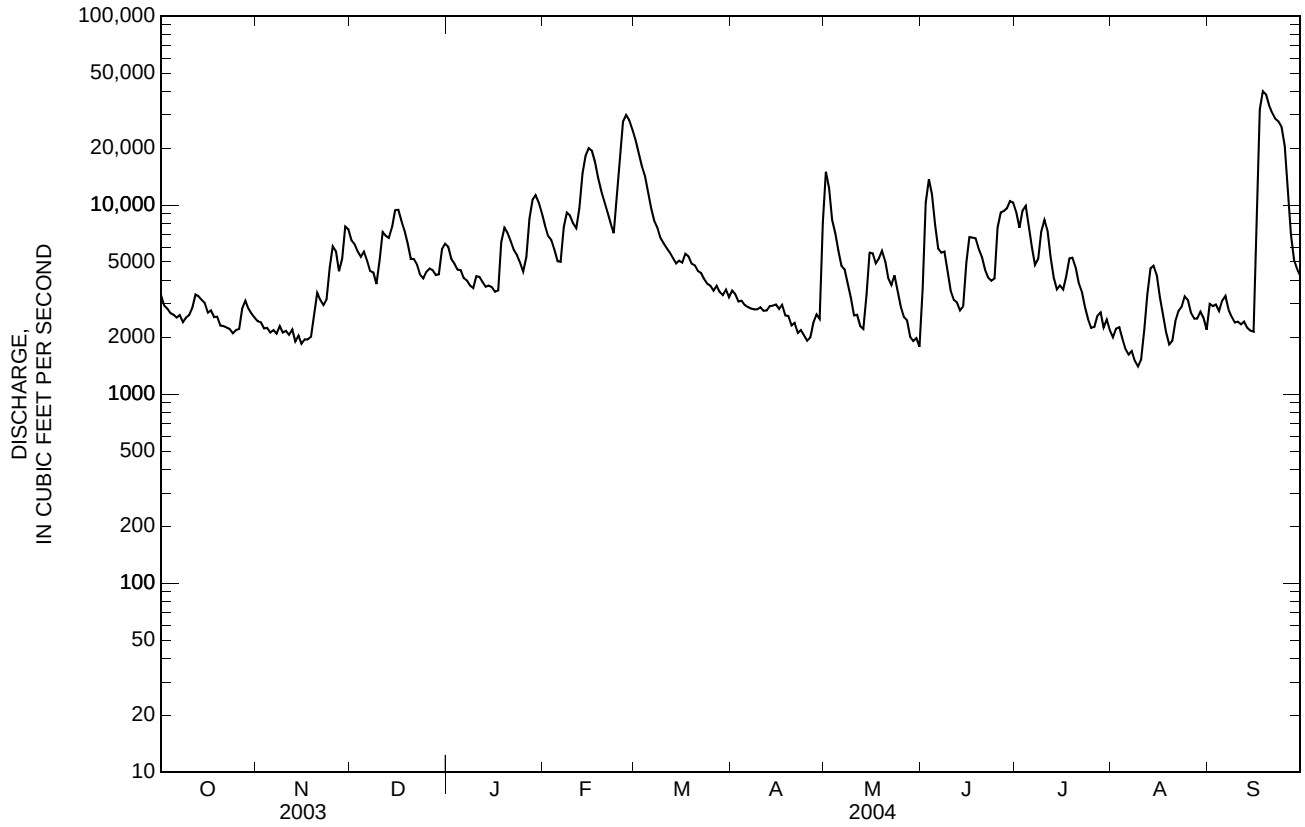
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,350	2,430	6,510	6,020	7,780	22,200	3,530	15,000	3,630	9,170	2,000	3,000
2	2,940	2,400	6,210	5,190	6,880	19,000	3,380	12,300	10,300	7,590	2,220	2,920
3	2,840	2,230	5,690	4,900	6,550	16,200	3,090	8,370	13,700	9,360	2,260	2,980
4	2,680	2,240	5,330	4,560	5,830	14,300	3,120	7,090	11,400	9,920	1,970	2,750
5	2,630	2,120	5,680	4,530	5,050	11,800	2,960	5,750	7,830	7,700	1,730	3,120
6	2,540	2,180	5,080	4,110	5,010	9,620	2,890	4,760	5,890	5,960	1,620	3,310
7	2,620	2,090	4,480	3,990	7,670	8,280	2,840	4,570	5,600	4,820	1,690	2,800
8	2,410	2,290	4,400	3,760	9,110	7,600	2,810	3,850	5,680	5,190	1,500	2,570
9	2,540	2,120	3,820	3,640	8,800	6,710	2,810	3,240	4,410	7,250	1,400	2,390
10	2,620	2,160	5,120	4,210	8,020	6,280	2,880	2,610	3,530	8,350	1,520	2,420
11	2,860	2,060	7,200	4,170	7,550	5,930	2,760	2,630	3,150	7,360	2,190	2,340
12	3,360	2,200	6,880	3,920	9,580	5,600	2,770	2,290	3,060	5,270	3,360	2,420
13	3,300	1,900	6,700	3,700	14,700	5,250	2,920	2,210	2,770	4,140	4,630	2,240
14	3,150	2,040	7,650	3,750	18,200	4,920	2,940	3,350	2,910	3,580	4,770	2,170
15	3,040	1,850	9,420	3,680	20,000	5,080	2,980	5,600	4,960	3,760	4,270	2,140
16	2,700	1,950	9,450	3,480	19,400	4,960	2,820	5,560	6,780	3,580	3,280	9,470
17	2,770	1,950	8,270	3,530	16,900	5,530	2,970	4,930	6,730	4,200	2,640	32,100
18	2,560	2,010	7,320	6,370	14,000	5,360	2,610	5,230	6,670	5,220	2,130	40,000
19	2,570	2,620	6,290	7,590	11,900	4,910	2,590	5,730	5,860	5,270	1,830	38,500
20	2,310	3,440	5,200	7,150	10,500	4,800	2,310	5,050	5,340	4,690	1,910	33,800
21	2,290	3,160	5,180	6,470	9,200	4,490	2,380	4,110	4,560	3,890	2,440	30,700
22	2,250	2,960	4,840	5,790	8,070	4,370	2,110	3,780	4,130	3,480	2,750	28,600
23	2,210	3,160	4,290	5,450	7,110	4,070	2,180	4,250	3,980	2,900	2,900	27,700
24	2,100	4,670	4,090	4,960	11,300	3,840	2,040	3,510	4,090	2,490	3,290	25,900
25	2,180	6,050	4,430	4,450	18,200	3,750	1,920	2,910	7,600	2,240	3,140	20,500
26	2,210	5,690	4,620	5,310	27,600	3,530	2,000	2,560	9,140	2,270	2,690	11,700
27	2,830	4,470	4,530	8,430	29,900	3,740	2,390	2,460	9,300	2,600	2,510	6,930
28	3,120	5,220	4,270	10,700	28,200	3,470	2,640	2,010	9,620	2,710	2,510	5,140
29	2,840	7,700	4,310	11,300	25,100	3,340	2,500	1,910	10,500	2,250	2,730	4,580
30	2,660	7,430	5,860	10,300	---	3,580	8,090	1,980	10,300	2,480	2,540	4,230
31	2,540	---	6,250	9,090	---	3,260	---	1,780	---	2,180	2,190	---
TOTAL	83,020	94,790	179,370	174,500	378,110	215,770	86,230	141,380	193,420	151,870	78,610	359,420
MEAN	2,678	3,160	5,786	5,629	13,040	6,960	2,874	4,561	6,447	4,899	2,536	11,980
MAX	3,360	7,700	9,450	11,300	29,900	22,200	8,090	15,000	13,700	9,920	4,770	40,000
MIN	2,100	1,850	3,820	3,480	5,010	3,260	1,920	1,780	2,770	2,180	1,400	2,140
CFSM	0.70	0.83	1.52	1.47	3.42	1.82	0.75	1.19	1.69	1.28	0.66	3.14
IN.	0.81	0.92	1.75	1.70	3.69	2.10	0.84	1.38	1.89	1.48	0.77	3.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2004, BY WATER YEAR (WY)

MEAN	2,992	3,236	5,564	8,332	10,040	12,770	10,790	5,738	4,474	4,162	3,993	3,283
MAX	24,310	14,740	24,600	31,530	21,160	34,210	31,430	19,520	22,500	20,850	23,560	12,010
(WY)	(1999)	(1949)	(1954)	(1936)	(1965)	(2001)	(1980)	(1978)	(1970)	(1994)	(1975)	(1975)
MIN	558	1,033	1,157	1,895	2,596	1,783	2,068	890	828	687	775	693
(WY)	(2001)	(1955)	(1955)	(1956)	(1989)	(1955)	(2000)	(2000)	(2000)	(2000)	(2000)	(1968)

02375500 ESCAMBIA RIVER NEAR CENTURY, FL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1935 - 2004	
ANNUAL TOTAL	2,995,840		2,136,490			
ANNUAL MEAN	8,208		5,837		6,263	
HIGHEST ANNUAL MEAN					11,690	1975
LOWEST ANNUAL MEAN					1,820	2000
HIGHEST DAILY MEAN	33,800	Jul 3	40,000	Sep 18	106,000	Sep 30, 1998
LOWEST DAILY MEAN	1,850	Nov 15	1,400	Aug 9	455	Nov 1, 2000
ANNUAL SEVEN-DAY MINIMUM	1,990	Nov 12	1,630	Aug 4	457	Oct 29, 2000
MAXIMUM PEAK FLOW			41,500	Sep 18	117,000	Sep 30, 1998
MAXIMUM PEAK STAGE			18.85	Sep 18	24.35	Mar 18, 1990
ANNUAL RUNOFF (CFSM)	2.15		1.53		1.64	
ANNUAL RUNOFF (INCHES)	29.20		20.82		22.29	
10 PERCENT EXCEEDS	17,400		10,400		14,200	
50 PERCENT EXCEEDS	6,080		4,090		3,690	
90 PERCENT EXCEEDS	2,670		2,180		1,350	



02376500 PERDIDO RIVER AT BARRINEAU PARK, FL

LOCATION.--Lat 30° 41'25", long 87° 26'25", in NW $^1/_4$ 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 mi^2.

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 NGVD of 1929. Prior to Aug. 22, 1949, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: July 15-19. Water-discharge records fair except those estimated daily discharges, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 15, 1929, reached a stage of 25.7 ft, 41,000 ft^3/s, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 27	1300	4,920	12.48	Sep 18	1600	*11,100	*16.76

Minimum discharge, 210 ft^3/s, May 31, June 1, gage height, 2.05 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	518	484	920	959	753	1,080	308	1,070	532	1,060	530	830
2	501	471	759	858	692	818	303	1,760	1,800	1,160	520	1,030
3	491	460	642	733	637	699	299	2,020	2,300	984	448	849
4	484	452	847	637	596	626	295	1,030	2,460	950	412	621
5	481	455	842	585	565	581	290	627	1,960	691	462	528
6	472	462	737	563	723	562	285	458	1,120	563	398	465
7	474	458	654	538	1,110	559	284	368	814	533	370	424
8	475	454	598	516	946	528	294	318	678	479	355	399
9	476	450	574	524	838	493	292	287	606	471	347	382
10	505	451	747	560	776	462	285	265	620	512	376	368
11	646	450	798	557	773	440	283	253	655	577	438	357
12	790	447	708	535	1,550	425	310	245	664	549	865	352
13	701	442	657	520	2,530	412	320	241	601	461	1,020	353
14	615	432	908	509	2,610	402	307	243	581	412	758	353
15	557	427	1,050	502	2,780	399	291	252	903	e395	566	368
16	520	425	981	493	2,150	466	280	249	1,010	e370	458	6,180
17	498	426	846	575	1,580	554	272	241	1,170	e800	410	9,400
18	488	453	721	2,660	1,210	515	266	248	1,400	e1,800	385	10,500
19	481	597	623	2,360	950	463	261	447	1,360	e1,000	367	8,740
20	469	642	568	1,500	800	427	256	1,240	936	637	357	4,720
21	460	580	537	1,090	711	399	253	1,090	643	509	395	2,210
22	446	521	531	861	653	377	252	605	541	453	424	1,150
23	440	493	544	701	676	360	250	436	528	422	432	878
24	434	719	618	617	1,550	350	247	329	560	400	533	738
25	432	659	684	579	2,140	345	241	281	799	384	539	663
26	541	557	682	769	3,290	340	362	254	1,370	387	602	615
27	1,000	525	634	1,410	4,660	336	417	237	1,760	404	561	579
28	756	957	584	1,370	3,580	331	360	226	1,790	448	549	551
29	603	1,240	559	1,030	2,010	326	324	219	1,520	438	850	528
30	536	1,110	797	845	---	322	634	214	1,160	422	751	509
31	503	---	968	808	---	315	---	211	---	490	645	---
TOTAL	16,793	16,699	22,318	26,764	43,839	14,712	9,121	15,964	32,841	19,161	16,123	55,640
MEAN	542	557	720	863	1,512	475	304	515	1,095	618	520	1,855
MAX	1,000	1,240	1,050	2,660	4,660	1,080	634	2,020	2,460	1,800	1,020	10,500
MIN	432	425	531	493	565	315	241	211	528	370	347	352
CFSM	1.37	1.41	1.83	2.19	3.84	1.20	0.77	1.31	2.78	1.57	1.32	4.71
IN.	1.59	1.58	2.11	2.53	4.14	1.39	0.86	1.51	3.10	1.81	1.52	5.25

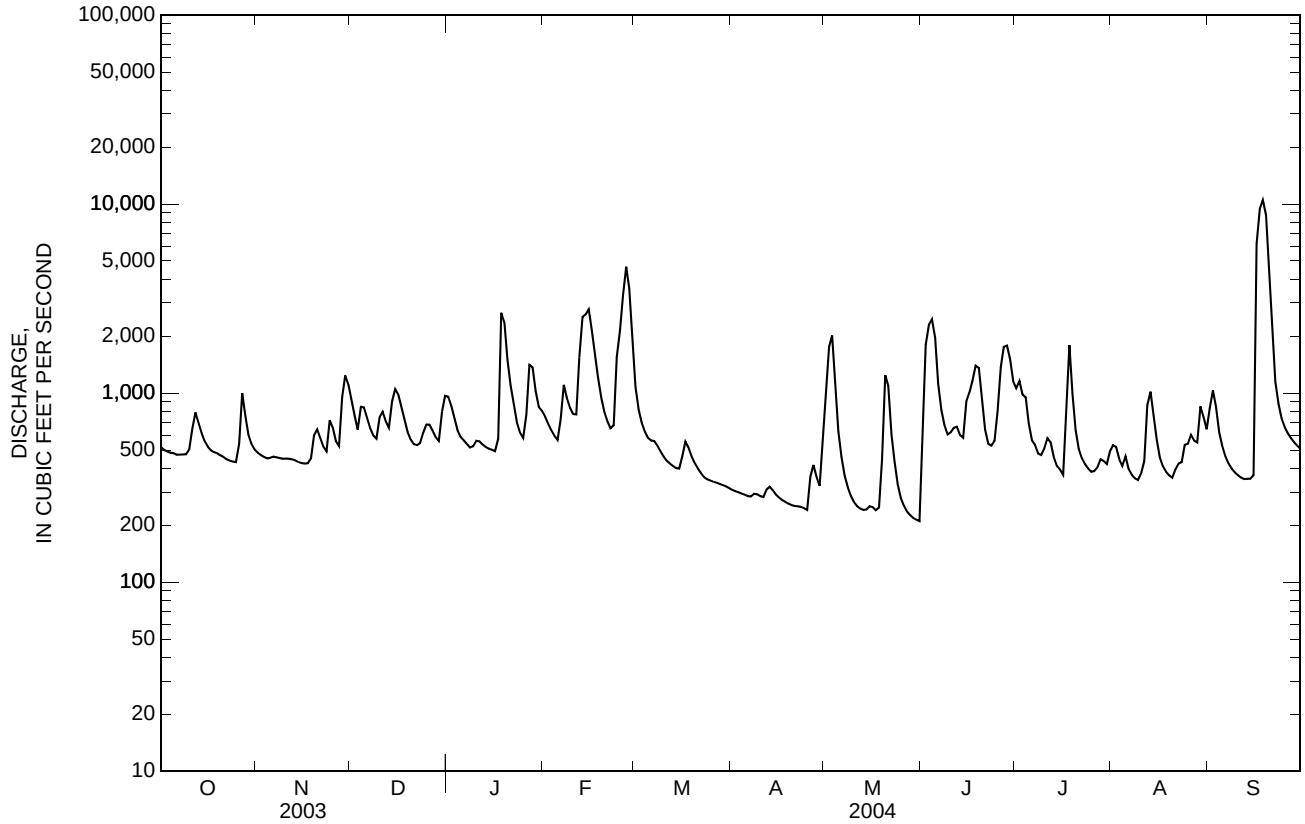
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2004, BY WATER YEAR (WY)

MEAN	517	610	710	934	963	1,113	983	714	688	718	707	762
MAX	2,519	1,865	2,084	2,636	2,364	2,791	3,179	2,402	2,394	2,502	2,938	3,460
(WY)	(1996)	(1990)	(1954)	(1998)	(1990)	(1990)	(1983)	(1991)	(1989)	(2003)	(1975)	(1998)
MIN	189	246	302	339	343	269	283	217	230	210	217	213
(WY)	(2001)	(1956)	(1955)	(1957)	(1957)	(1955)	(1968)	(2002)	(2002)	(2000)	(2000)	(1968)

02376500 PERDIDO RIVER AT BARRINEAU PARK, FL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1941 - 2004	
ANNUAL TOTAL	417,622		289,975			
ANNUAL MEAN	1,144		792		784	
HIGHEST ANNUAL MEAN					1,372	1998
LOWEST ANNUAL MEAN					339	2000
HIGHEST DAILY MEAN	13,800	May 20	10,500	Sep 18	40,800	Sep 29, 1998
LOWEST DAILY MEAN	308	Feb 15	211	May 31	171	Aug 27, 2000
ANNUAL SEVEN-DAY MINIMUM	327	Feb 9	235	May 25	175	Oct 28, 2000
MAXIMUM PEAK FLOW			11,100	Sep 18	44,000	Sep 29, 1998
MAXIMUM PEAK STAGE			16.76	Sep 18	26.30	Sep 29, 1998
ANNUAL RUNOFF (CFSM)	2.90		2.01		1.99	
ANNUAL RUNOFF (INCHES)	39.43		27.38		27.03	
10 PERCENT EXCEEDS	2,150		1,280		1,430	
50 PERCENT EXCEEDS	677		540		508	
90 PERCENT EXCEEDS	378		298		292	

e Estimated



02377570 STYX RIVER NEAR ELSANOR, AL

LOCATION.--Lat 30° 36'20", long 87° 32'50", in SW $^1/_4$ 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 mi^2.

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

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

GAGE.--Water-stage recorder. Elevation of gage is 20 ft above NGVD of 1929 (from topographic map).

REMARKS.--Estimated daily discharges: Apr. 18-25; May 9-21, 23-31; Aug. 1-3, 4-9, 17-20, 25, 26; Sept. 9-13, 16-21, 23-29. Records good except for periods of estimated daily 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.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 27	0030	3,650	11.93	Sept 18	- - -	*unknown	*unknown

Minimum discharge, 142 ft^3/s, Apr. 23, 24, 25, 26, gage height, 1.69 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	183	224	459	525	491	681	176	632	428	422	e263	355
2	173	211	339	408	453	574	172	598	894	522	e239	307
3	166	200	297	335	418	503	169	514	1,300	403	e227	306
4	161	194	685	300	387	450	166	384	973	431	213	302
5	159	195	576	280	365	411	164	289	682	357	e291	233
6	156	198	470	265	482	398	161	236	439	319	e225	203
7	156	196	379	248	721	389	159	209	357	306	e194	186
8	154	191	315	238	625	359	167	191	327	282	e187	175
9	153	188	291	258	505	326	168	e174	294	277	e189	e162
10	169	187	438	275	438	300	162	e156	286	265	210	e154
11	285	185	439	262	504	283	160	e143	302	391	400	e147
12	396	183	384	246	1,200	271	172	e124	370	315	967	e152
13	354	180	349	235	1,920	262	175	e121	298	257	776	e169
14	302	175	520	227	1,530	257	167	e122	295	260	519	183
15	254	173	550	222	1,370	254	159	e130	543	258	318	192
16	227	173	515	218	1,220	303	154	e121	701	263	246	e3,030
17	213	172	411	445	979	366	150	e118	585	359	e221	e5,660
18	205	182	336	2,590	773	336	e146	e119	471	728	e211	e7,280
19	199	290	295	1,880	624	293	e142	e146	333	656	e199	e5,690
20	194	297	270	1,100	543	264	e138	e553	299	408	e196	e1,830
21	188	262	255	758	491	246	e135	e382	259	290	277	e586
22	184	230	245	582	449	229	e133	230	240	240	338	460
23	179	214	248	491	496	216	e130	e203	255	224	279	e385
24	176	299	297	439	1,090	209	e127	e159	255	220	270	e322
25	174	277	307	411	1,710	205	e126	e128	356	217	e253	e308
26	211	242	287	569	3,160	202	192	e121	483	216	e261	e279
27	419	229	261	810	2,970	198	282	e117	763	217	184	e259
28	495	505	244	897	1,390	194	229	e113	679	220	175	e245
29	417	657	243	734	883	191	192	e108	687	229	209	e226
30	303	651	410	562	---	187	499	e107	505	241	220	212
31	246	---	531	525	---	182	---	e159	---	231	225	---
TOTAL	7,251	7,560	11,646	17,335	28,187	9,539	5,272	6,907	14,659	10,024	8,982	29,998
MEAN	234	252	376	559	972	308	176	223	489	323	290	1,000
MAX	495	657	685	2,590	3,160	681	499	632	1,300	728	967	7,280
MIN	153	172	243	218	365	182	126	107	240	216	175	147
CFSM	1.22	1.31	1.96	2.91	5.06	1.60	0.92	1.16	2.54	1.68	1.51	5.21
IN.	1.40	1.46	2.26	3.36	5.46	1.85	1.02	1.34	2.84	1.94	1.74	5.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	335	421	360	606	533	606	406	379	444	546	403	549
MAX	1,376	1,248	707	1,743	1,265	1,369	1,353	1,047	1,850	1,824	907	3,155
(WY)	(1996)	(1990)	(1996)	(1998)	(1990)	(1990)	(1996)	(1991)	(1989)	(1997)	(1995)	(1998)
MIN	79.9	111	150	183	162	201	145	94.4	105	95.4	97.1	123
(WY)	(2001)	(2002)	(2002)	(2000)	(2000)	(2000)	(2000)	(2000)	(2002)	(2000)	(2000)	(2000)

02377570 STYX RIVER NEAR ELSANOR, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	214,410		157,360			
ANNUAL MEAN	587		430		465	
HIGHEST ANNUAL MEAN					818	1998
LOWEST ANNUAL MEAN					159	2000
HIGHEST DAILY MEAN	9,510	Jul 2	7,280	Sep 18	42,000	Sep 29, 1998
LOWEST DAILY MEAN	124	May 11	107	May 30	69	Nov 2, 2000
ANNUAL SEVEN-DAY MINIMUM	127	May 8	122	May 24	70	Oct 30, 2000
MAXIMUM PEAK FLOW					48,000	Sep 29, 1998
MAXIMUM PEAK STAGE					28.60	Sep 29, 1998
ANNUAL RUNOFF (CFSM)	3.06		2.24		2.42	
ANNUAL RUNOFF (INCHES)	41.54		30.49		32.92	
10 PERCENT EXCEEDS	1,060		683		811	
50 PERCENT EXCEEDS	311		265		265	
90 PERCENT EXCEEDS	179		159		130	

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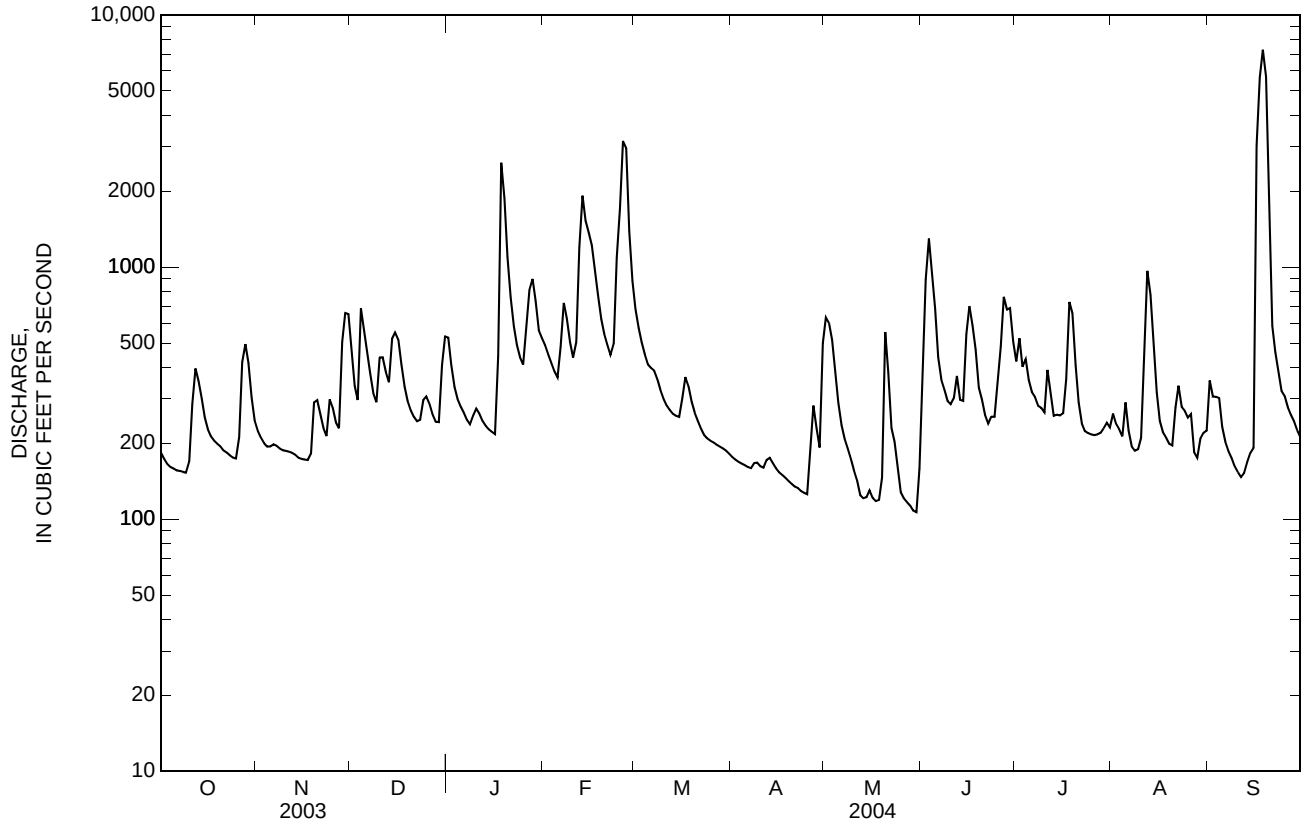


02378300 MAGNOLIA RIVER AT U.S. HIGHWAY 98 NEAR FOLEY, AL

LOCATION.--Lat 30° 24'23", long 87° 44'13" in SW $^1/_4$ sec. 26, T. 7 S., R. 3 E., Baldwin County, Hydrologic Unit 03160205, at bridge on U.S. Highway 98, 3 mi west of Foley.

DRAINAGE AREA.--16.6 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 20 ft above NGVD of 1929 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 18	0400	547	7.85	Aug 12	1400	752	8.32
Feb 6	1730	501	7.71	Sep 16	0830	*4,540	*11.72
Feb 25	2300	401	7.37				

Minimum discharge, 12 ft^3/s, Oct. 6, gage height, 3.13 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e18	21	30	33	35	25	17	33	62	36	28	29
2	e17	20	29	33	35	23	17	61	49	34	28	28
3	e17	20	37	32	35	22	18	33	40	36	27	27
4	e17	21	92	30	33	22	18	27	32	35	27	26
5	e17	23	37	30	34	22	17	27	27	33	26	26
6	e17	23	32	30	239	22	17	25	28	32	25	26
7	e19	21	31	30	102	21	23	25	28	32	24	25
8	e20	21	31	30	45	20	29	25	25	30	23	24
9	e20	21	39	33	40	19	24	24	24	30	24	24
10	26	22	49	32	42	18	23	24	24	31	79	23
11	57	21	34	30	59	18	24	25	23	41	98	24
12	28	20	32	30	269	19	25	26	23	32	520	30
13	23	21	50	30	85	19	22	30	21	29	80	30
14	22	21	64	31	99	19	21	28	48	28	37	29
15	20	21	38	31	63	18	21	27	53	26	30	52
16	20	22	33	30	49	24	21	28	35	27	29	2,070
17	20	23	32	82	45	20	21	26	27	44	27	399
18	19	30	31	312	43	19	20	26	27	40	26	170
19	18	34	30	54	41	19	20	25	27	34	27	82
20	19	26	30	41	41	20	20	24	26	30	27	57
21	18	25	30	37	40	18	21	23	26	28	46	49
22	19	26	31	36	38	17	21	23	26	28	31	44
23	19	26	38	35	87	17	21	23	33	27	29	42
24	20	82	44	34	268	17	22	23	26	25	30	42
25	19	34	33	35	190	18	21	22	107	25	30	42
26	22	30	32	104	254	17	32	22	81	26	28	40
27	23	33	32	58	55	17	25	21	44	27	26	40
28	22	58	32	40	32	17	23	21	41	25	26	36
29	21	34	39	37	27	17	24	22	43	24	27	34
30	21	30	55	37	---	18	33	22	38	28	42	35
31	21	---	36	37	---	18	---	32	---	32	35	---
TOTAL	659	830	1,183	1,474	2,425	600	661	823	1,114	955	1,562	3,605
MEAN	21.3	27.7	38.2	47.5	83.6	19.4	22.0	26.5	37.1	30.8	50.4	120
MAX	57	82	92	312	269	25	33	61	107	44	520	2,070
MIN	17	20	29	30	27	17	17	21	21	24	23	23
CFSM	1.28	1.67	2.30	2.86	5.04	1.17	1.33	1.60	2.24	1.86	3.04	7.24
IN.	1.48	1.86	2.65	3.30	5.43	1.34	1.48	1.84	2.50	2.14	3.50	8.08

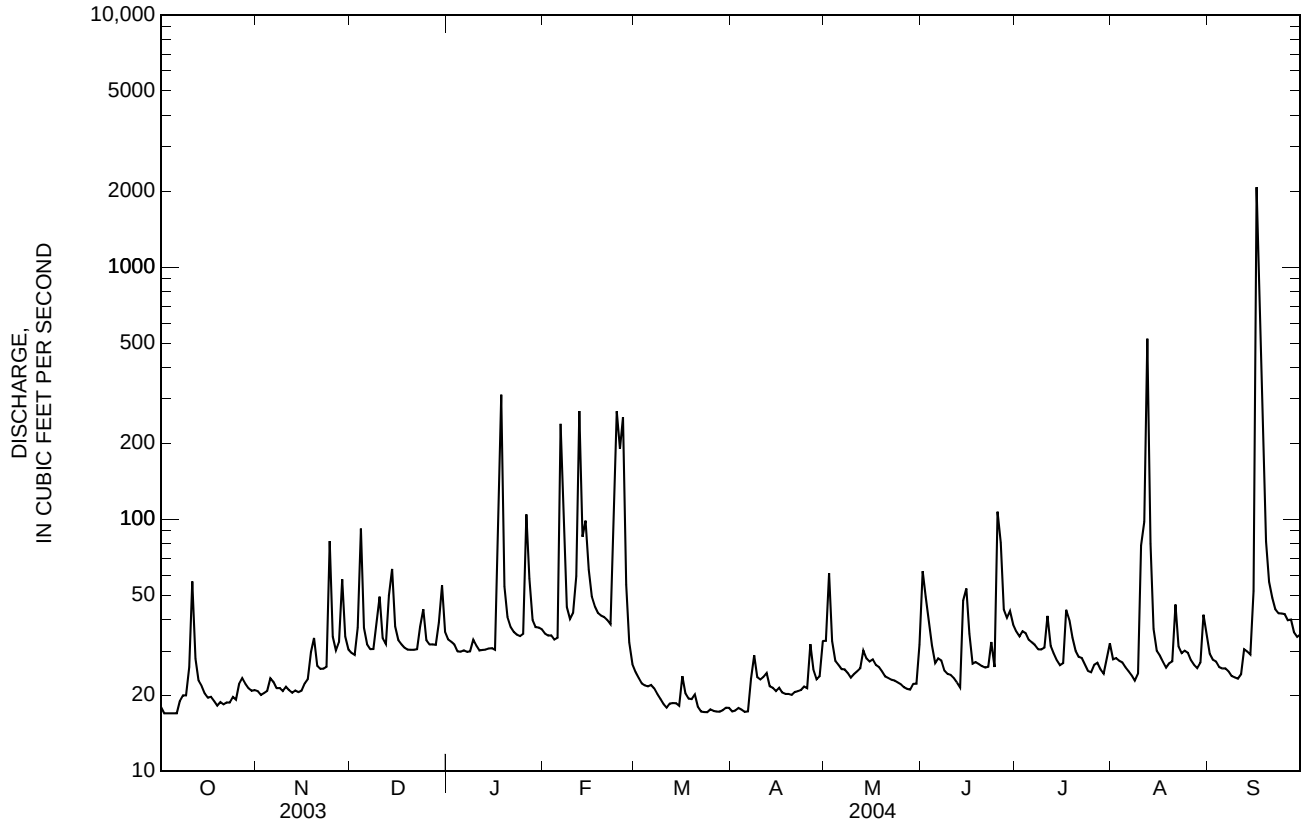
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	23.1	23.5	26.7	26.7	36.8	24.8	16.2	17.5	35.8	55.1	32.2	48.2
MAX	37.6	38.6	41.2	47.5	83.6	34.0	22.0	26.5	86.1	197	54.4	120
(WY)	(2003)	(2003)	(2003)	(2004)	(2004)	(2003)	(2004)	(2004)	(2003)	(2003)	(2003)	(2004)
MIN	11.7	13.5	13.4	14.2	13.9	14.2	12.7	12.0	11.3	11.1	12.7	15.6
(WY)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)	(2002)	(2000)	(2002)	(2000)

02378300 MAGNOLIA RIVER AT U.S. HIGHWAY 98 NEAR FOLEY, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	18,541		15,891			
ANNUAL MEAN	50.8		43.4		30.9	
HIGHEST ANNUAL MEAN					53.3	2003
LOWEST ANNUAL MEAN					19.0	2000
HIGHEST DAILY MEAN	2,180	Jul 1	2,070	Sep 16	2,180	Jul 1, 2003
LOWEST DAILY MEAN	10	May 17	17	Oct 2	8.5	Jun 18, 2002
ANNUAL SEVEN-DAY MINIMUM	12	May 25	17	Mar 22	9.4	Jul 18, 2002
MAXIMUM PEAK FLOW			4,540	Sep 16	6,240	Jul 1, 2003
MAXIMUM PEAK STAGE			11.72	Sep 16	12.42	Jul 1, 2003
ANNUAL RUNOFF (CFSM)	3.06		2.62		1.86	
ANNUAL RUNOFF (INCHES)	41.55		35.61		25.32	
10 PERCENT EXCEEDS	86		53		40	
50 PERCENT EXCEEDS	25		28		17	
90 PERCENT EXCEEDS	14		19		12	

e Estimated



02378500 FISH RIVER NEAR SILVER HILL, AL

LOCATION.--Lat 30° 32'43", long 87° 47'55", in NW 1/4 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 mi^2.

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. Elevation of gage is 30 ft above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Feb. 25-26, Aug. 12-13. 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.--Peak discharges greater than base discharge of 750 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 18	0830	903	10.01	Sep 16	1330	*4,970	*16.13
Feb 26	- - -	unknown	unknown				

Minimum discharge, 49 ft^3/s, May 11, 12, 13, 17, 18, gage height, 2.58 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	78	87	91	89	121	70	200	227	114	89	151
2	71	77	83	86	86	112	70	146	165	123	91	114
3	71	75	101	84	85	106	69	105	183	119	88	110
4	72	76	237	83	82	101	68	74	148	110	84	193
5	72	83	126	81	81	98	67	64	95	96	82	121
6	72	85	99	81	102	100	66	60	83	90	80	103
7	73	80	91	78	134	98	66	56	87	87	79	97
8	73	78	87	78	96	91	69	53	124	88	78	92
9	74	78	89	91	88	88	67	52	156	102	81	90
10	85	78	118	86	87	86	64	51	100	96	171	89
11	138	77	97	80	107	85	67	50	80	93	169	88
12	108	76	88	78	322	85	72	50	105	90	e666	92
13	87	75	98	77	275	84	67	52	126	84	e170	121
14	81	73	143	77	181	83	64	53	234	82	121	124
15	77	74	108	76	274	85	62	50	373	81	102	126
16	74	74	95	75	186	112	61	51	249	80	94	3,300
17	73	75	90	199	131	107	60	50	130	96	90	1,390
18	73	88	86	790	112	90	59	50	104	133	88	393
19	72	127	83	304	103	86	58	91	93	127	86	163
20	71	91	81	135	98	83	58	121	87	94	92	125
21	70	81	80	110	94	81	58	66	83	86	166	110
22	70	78	80	99	89	79	57	57	87	82	214	101
23	69	77	83	93	131	77	57	55	94	80	129	96
24	68	98	95	88	268	77	56	54	96	79	112	93
25	69	88	86	87	e675	77	55	53	180	78	102	90
26	112	81	82	148	e1,020	77	124	52	176	78	96	88
27	152	83	80	142	381	76	112	52	234	79	92	85
28	98	178	79	106	173	75	69	52	126	78	91	83
29	86	124	82	95	135	75	61	52	127	77	153	82
30	81	94	147	95	---	73	177	53	122	83	141	81
31	79	---	108	95	---	72	---	55	---	99	185	---
TOTAL	2,543	2,600	3,089	3,888	5,685	2,740	2,130	2,080	4,274	2,884	4,082	7,991
MEAN	82.0	86.7	99.6	125	196	88.4	71.0	67.1	142	93.0	132	266
MAX	152	178	237	790	1,020	121	177	200	373	133	666	3,300
MIN	68	73	79	75	81	72	55	50	80	77	78	81
CFSM	1.48	1.57	1.80	2.27	3.54	1.60	1.28	1.21	2.58	1.68	2.38	4.82
IN.	1.71	1.75	2.08	2.62	3.82	1.84	1.43	1.40	2.88	1.94	2.75	5.38

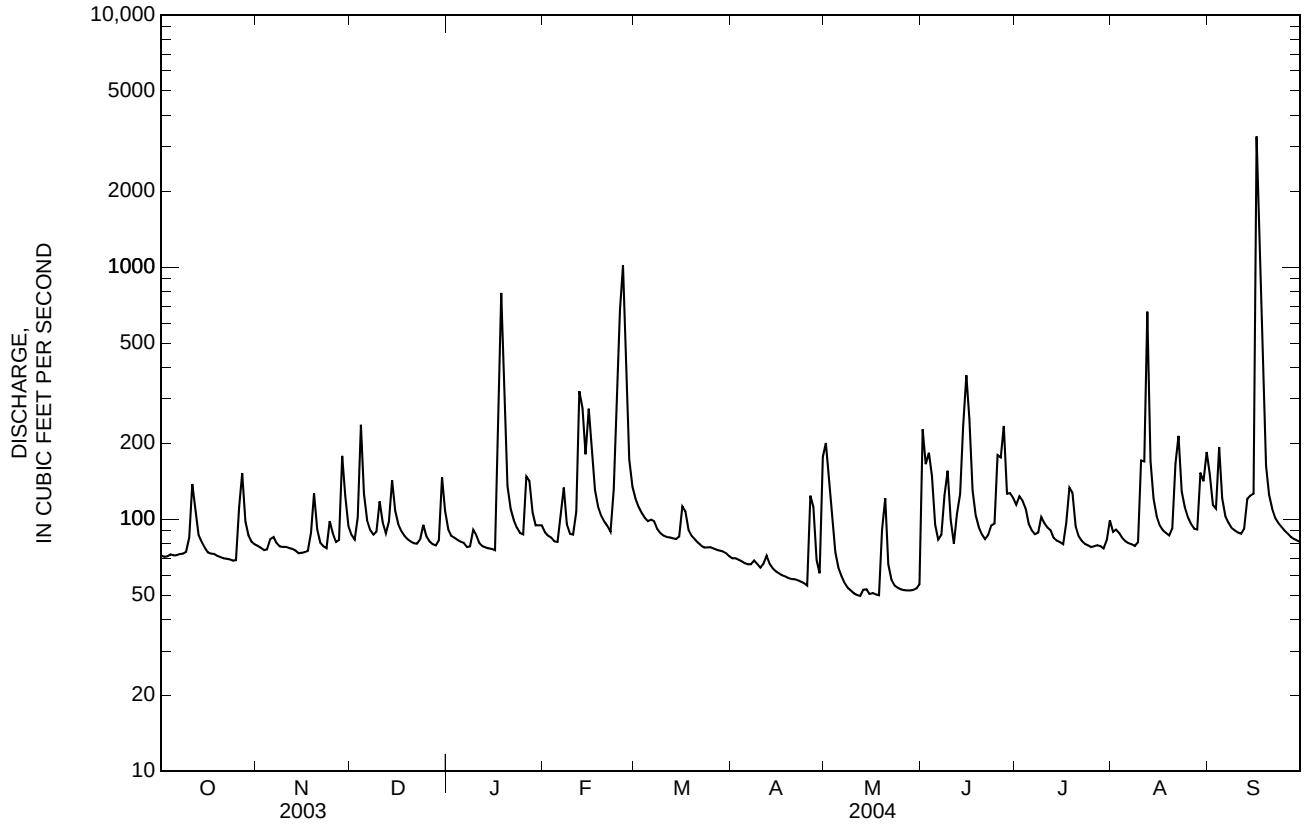
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2004, BY WATER YEAR (WY)

MEAN	97.2	97.3	103	126	126	131	120	95.7	114	130	113	123
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	57.9	59.8	55.6	50.1	41.2	41.5	40.8	42.0	49.9
(WY)	(1969)	(1956)	(1956)	(2001)	(2002)	(1955)	(2001)	(2001)	(1955)	(2000)	(2000)	(1963)

02378500 FISH RIVER NEAR SILVER HILL, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1953 - 2004	
ANNUAL TOTAL	46,233		43,986			
ANNUAL MEAN	127		120		115	
HIGHEST ANNUAL MEAN					194	1996
LOWEST ANNUAL MEAN					58.4	1968
HIGHEST DAILY MEAN	2,150	Jul 1	3,300	Sep 16	11,900	Jul 20, 1997
LOWEST DAILY MEAN	57	May 13	50	May 11	36	Aug 30, 2000
ANNUAL SEVEN-DAY MINIMUM	58	May 11	51	May 11	37	Aug 25, 2000
MAXIMUM PEAK FLOW			4,970	Sep 16	16,900	Jul 20, 1997
MAXIMUM PEAK STAGE			16.13	Sep 16	22.78	Jul 20, 1997
ANNUAL RUNOFF (CFSM)	2.29		2.17		2.07	
ANNUAL RUNOFF (INCHES)	31.10		29.59		28.16	
10 PERCENT EXCEEDS	173		165		174	
50 PERCENT EXCEEDS	86		87		81	
90 PERCENT EXCEEDS	70		64		51	

e Estimated



02398300 CHATTOOGA RIVER ABOVE GAYLESVILLE, AL

LOCATION.--Lat 34° 17'25", long 85° 30'33", in NW $^1/_4$ 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 mi^2.

PERIOD OF RECORD.--January 1959 to September 1967, October 1967 to September 1971 (annual peak discharge only), October 197l 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 NGVD of 1929 (Alabama Power Company benchmark). December 4, 1958, to July 20, 1959, 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 FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 26	0800	*7,110	*16.64	Sep 18	2100	6,420	15.78
Feb 7	0400	6,400	15.76				

Minimum discharge, 140 ft^3/s, Aug. 18, 20, gage height, 4.07 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

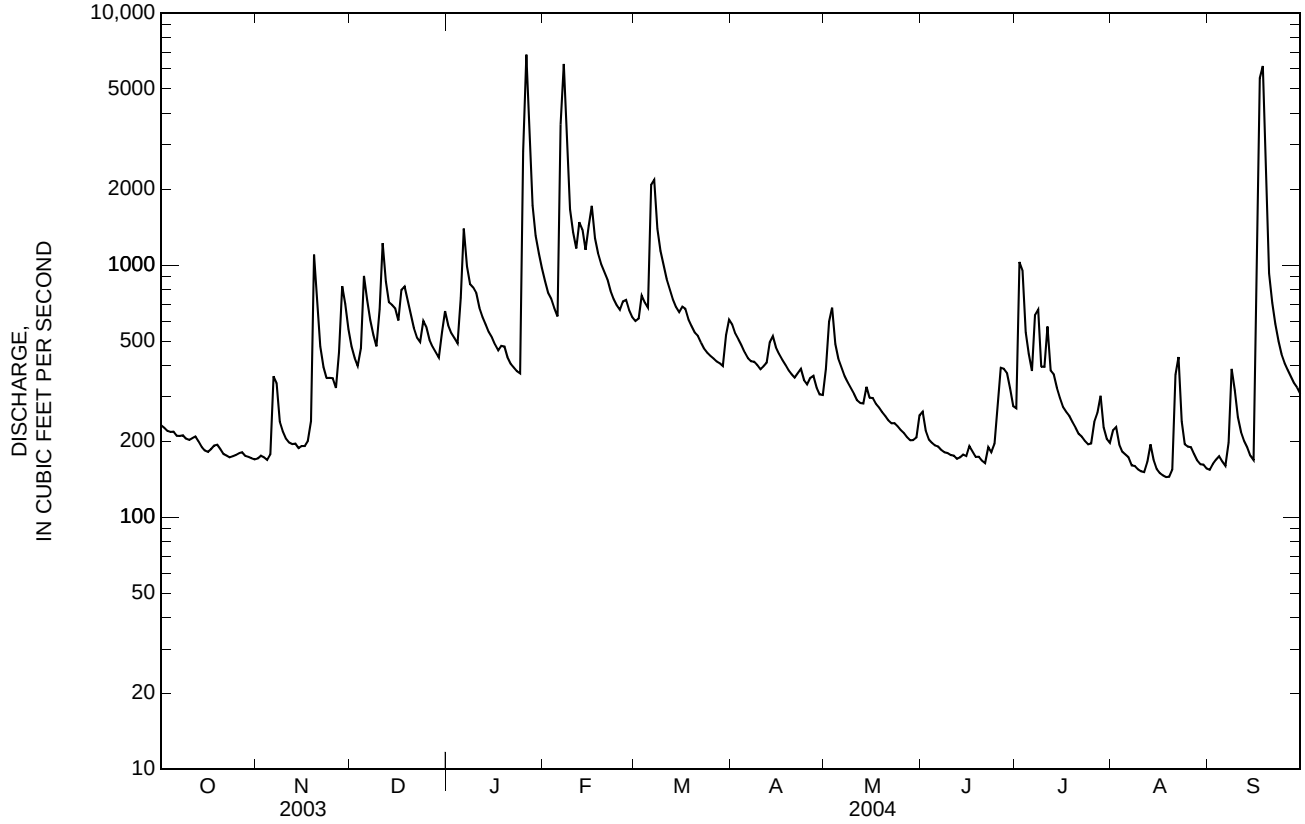
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	232	171	477	577	864	600	581	387	262	270	222	154
2	226	175	428	538	777	614	535	597	221	1,030	228	163
3	220	173	399	513	736	758	507	678	203	954	194	169
4	218	169	468	490	675	710	481	487	197	542	182	174
5	219	178	906	741	626	678	451	425	192	445	177	167
6	210	362	727	1,400	3,620	2,080	427	392	191	380	173	160
7	210	341	607	987	6,280	2,180	416	364	185	634	161	198
8	211	240	529	842	3,430	1,390	414	343	181	667	160	388
9	205	219	476	815	1,660	1,140	402	325	180	396	155	318
10	203	205	669	776	1,350	995	386	308	177	395	152	250
11	206	198	1,220	677	1,170	882	397	291	176	571	151	218
12	209	195	861	623	1,480	802	410	284	170	382	165	201
13	200	196	713	582	1,380	732	493	283	173	370	195	189
14	190	188	695	543	1,150	681	522	329	177	326	169	175
15	184	192	674	517	1,430	651	472	298	175	298	155	169
16	181	192	604	485	1,720	684	443	297	191	273	150	825
17	186	201	798	459	1,280	672	422	282	182	262	146	5,520
18	192	240	823	478	1,120	608	402	272	173	252	144	6,170
19	194	1,100	727	476	1,010	572	384	261	174	239	145	2,320
20	186	731	638	431	943	540	370	252	168	226	154	927
21	178	476	563	406	879	524	358	243	164	214	367	708
22	175	394	515	392	793	493	373	236	190	208	432	584
23	173	357	496	380	733	466	388	236	181	201	240	500
24	175	357	601	372	693	449	350	230	196	195	195	443
25	177	356	569	2,830	664	437	336	222	268	196	191	408
26	179	326	505	6,840	717	426	357	216	392	239	190	384
27	181	451	474	3,880	728	415	364	208	388	259	178	361
28	175	826	451	1,720	662	408	327	202	373	303	168	341
29	174	701	429	1,310	620	398	307	202	325	227	162	327
30	171	557	543	1,120	---	528	305	207	276	204	162	309
31	169	---	656	974	---	608	---	253	---	197	156	---
TOTAL	6,009	10,467	19,241	33,174	39,190	23,121	12,380	9,610	6,501	11,355	5,819	23,220
MEAN	194	349	621	1,070	1,351	746	413	310	217	366	188	774
MAX	232	1,100	1,220	6,840	6,280	2,180	581	678	392	1,030	432	6,170
MIN	169	169	399	372	620	398	305	202	164	195	144	154
CFSM	0.53	0.95	1.70	2.92	3.69	2.04	1.13	0.85	0.59	1.00	0.51	2.11
IN.	0.61	1.06	1.96	3.37	3.98	2.35	1.26	0.98	0.66	1.15	0.59	2.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2004, BY WATER YEAR (WY)

MEAN	298	409	638	970	1,219	1,365	861	629	370	363	228	235
MAX	1,120	1,455	2,172	2,206	3,836	3,112	1,835	2,707	1,470	1,106	526	774
(WY)	(1990)	(1993)	(1962)	(1962)	(1990)	(1964)	(1964)	(2003)	(1989)	(1989)	(2003)	(2004)
MIN	92.4	105	122	252	338	312	245	179	111	108	113	107
(WY)	(2001)	(1988)	(2000)	(1966)	(1988)	(1988)	(1986)	(1986)	(1988)	(1986)	(1987)	(2000)

02398300 CHATTOOGA RIVER ABOVE GAYLESVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1959 - 2004	
ANNUAL TOTAL	326,140		200,087			
ANNUAL MEAN	894		547		635	
HIGHEST ANNUAL MEAN					1,147	1990
LOWEST ANNUAL MEAN					249	1986
HIGHEST DAILY MEAN	9,860	May 7	6,840	Jan 26	20,800	Feb 17, 1990
LOWEST DAILY MEAN	169	Oct 31	144	Aug 18	82	Aug 15, 1988
ANNUAL SEVEN-DAY MINIMUM	172	Oct 29	152	Aug 14	88	Oct 7, 2000
MAXIMUM PEAK FLOW			7,110	Jan 26	23,300	Feb 17, 1990
MAXIMUM PEAK STAGE			16.64	Jan 26	24.25	Feb 17, 1990
ANNUAL RUNOFF (CFSM)	2.44		1.49		1.74	
ANNUAL RUNOFF (INCHES)	33.15		20.34		23.58	
10 PERCENT EXCEEDS	1,460		932		1,280	
50 PERCENT EXCEEDS	585		372		334	
90 PERCENT EXCEEDS	206		174		139	



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

LOCATION.--Lat 34° 29'30", long 85° 37'00", in SW $^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 1,370 ft, 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 FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 25	2145	1,310	8.41	Mar 6	1115	1,170	8.10
Feb 6	1415	1,410	8.59	Sep 17	0100	*8,990	*17.66

Minimum discharge, 0.25 ft^3/s, June 22, gage height, 1.63 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

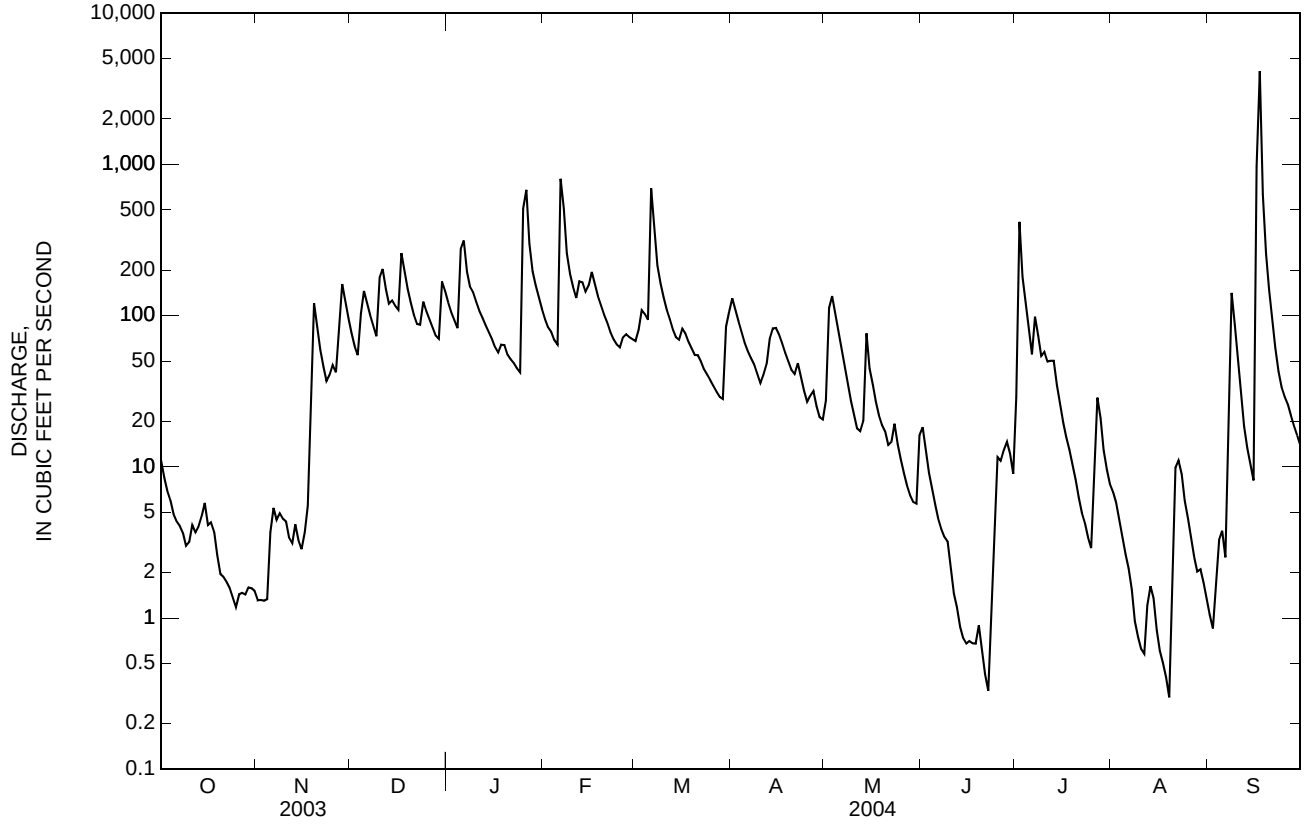
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	1.3	77	122	95	68	130	27	18	29	6.8	1.1
2	8.5	1.3	63	105	84	81	110	112	13	416	5.8	0.85
3	6.9	1.3	55	93	78	108	92	134	9.2	180	4.4	1.7
4	6.0	1.3	103	83	69	102	78	102	7.3	119	3.4	3.3
5	4.9	3.7	145	275	64	94	66	80	5.7	83	2.6	3.8
6	4.3	5.3	121	313	803	693	58	62	4.5	55	2.1	2.5
7	4.1	4.5	101	195	512	370	52	47	3.9	98	1.5	12
8	3.6	4.9	85	155	258	214	48	36	3.4	73	0.96	141
9	3.0	4.5	73	142	189	165	41	28	3.2	54	0.75	87
10	3.2	4.3	178	123	155	132	36	22	2.2	58	0.63	48
11	4.1	3.4	203	107	131	110	41	18	1.5	50	0.58	29
12	3.7	3.1	150	97	168	95	48	17	1.2	50	1.2	18
13	4.0	4.2	120	86	166	81	70	20	0.88	50	1.6	13
14	4.7	3.3	126	78	144	72	82	76	0.74	35	1.4	10
15	5.8	2.9	116	70	159	69	83	45	0.68	26	0.83	8.1
16	4.1	3.7	109	62	194	82	75	35	0.70	20	0.61	966
17	4.3	5.5	259	57	161	76	66	27	0.68	16	0.50	4,120
18	3.7	21	194	64	134	67	56	22	0.68	13	0.41	634
19	2.6	121	151	64	115	61	49	19	0.90	10	0.30	257
20	2.0	83	121	55	101	55	44	17	0.63	8.2	1.4	149
21	1.9	60	101	51	89	55	41	14	0.42	6.3	9.9	93
22	1.7	46	88	48	78	49	48	15	0.33	5.0	11	61
23	1.6	37	87	45	70	44	39	19	0.83	4.2	8.9	43
24	1.4	41	123	42	64	41	32	14	3.3	3.4	6.0	34
25	1.2	47	107	510	62	37	27	11	12	2.9	4.6	29
26	1.4	42	94	678	72	34	30	9.1	11	7.5	3.4	26
27	1.5	87	83	299	75	31	32	7.5	13	29	2.5	22
28	1.4	161	74	196	72	29	25	6.5	15	21	2.0	19
29	1.6	125	70	159	70	28	21	5.9	12	13	2.1	16
30	1.6	96	168	132	---	84	21	5.7	9.0	9.6	1.7	14
31	1.5	---	146	111	---	106	---	16	---	7.7	1.3	---
TOTAL	111.3	1,025.5	3,691	4,617	4,432	3,333	1,641	1,069.7	155.87	1,552.8	91.17	6,862.35
MEAN	3.59	34.2	119	149	153	108	54.7	34.5	5.20	50.1	2.94	229
MAX	11	161	259	678	803	693	130	134	18	416	11	4,120
MIN	1.2	1.3	55	42	62	28	21	5.7	0.33	2.9	0.30	0.85
CFSM	0.08	0.80	2.78	3.48	3.57	2.51	1.28	0.81	0.12	1.17	0.07	5.34
IN.	0.10	0.89	3.21	4.01	3.85	2.90	1.43	0.93	0.14	1.35	0.08	5.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	14.2	42.6	94.2	163	165	135	108	108	21.7	30.4	5.48	42.4
MAX	51.2	123	187	237	268	220	227	364	39.1	88.4	25.0	229
(WY)	(1998)	(2003)	(2003)	(1998)	(2003)	(2001)	(2000)	(2003)	(1999)	(2003)	(2003)	(2004)
MIN	0.14	3.61	25.0	76.0	97.3	104	54.7	17.5	2.68	0.68	0.39	0.03
(WY)	(2000)	(1999)	(2000)	(2003)	(2002)	(1998)	(2004)	(2000)	(2002)	(2002)	(2002)	(1999)

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	37,635.47		28,582.69			
ANNUAL MEAN	103		78.1		77.0	
HIGHEST ANNUAL MEAN					119	2003
LOWEST ANNUAL MEAN					54.7	2000
HIGHEST DAILY MEAN	2,520	May 6	4,120	Sep 17	4,120	Sep 17, 2004
LOWEST DAILY MEAN	0.46	Sep 21	0.30	Aug 19	0.01	Sep 15, 1999
ANNUAL SEVEN-DAY MINIMUM	0.64	Sep 15	0.62	Jun 16	0.01	Sep 22, 1999
MAXIMUM PEAK FLOW			8,990	Sep 17	8,990	Sep 17, 2004
MAXIMUM PEAK STAGE			17.66	Sep 17	17.66	Sep 17, 2004
ANNUAL RUNOFF (CFSM)	2.41		1.82		1.80	
ANNUAL RUNOFF (INCHES)	32.71		24.84		24.44	
10 PERCENT EXCEEDS	201		150		162	
50 PERCENT EXCEEDS	57		36		35	
90 PERCENT EXCEEDS	3.3		1.5		0.54	



02399200 LITTLE RIVER NEAR BLUE POND, AL

LOCATION.--Lat 34° 17'20", long 85° 40'50", in NE $^1/_4$ 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 mi^2.

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 NGVD of 1929. Dec. 1, 1958, to Aug. 1, 1959, nonrecording gage on highway bridge 0.9 mi downstream, and Aug. 2, 1959, to May 27, 1981, recording gage 0.7 mile downstream at datum 7.96 ft lower.

REMARKS.--Estimated daily discharges: Aug. 25-27, Sept. 8. 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.--Peak discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 25	2030	9,420	8.83	Sep 17	0500	*39,600	*15.11
Feb 6	1330	7,840	8.33				

Minimum discharge, 5.8 ft^3/s, Aug. 20, gage height, 2.24 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	14	358	547	491	310	506	184	67	162	74	12
2	51	14	287	461	419	322	437	525	57	1,090	52	11
3	41	14	244	405	386	465	356	787	38	1,160	38	18
4	34	11	404	361	337	442	302	526	28	622	29	34
5	28	12	750	873	304	409	252	378	22	473	23	58
6	26	16	592	1,490	4,670	1,930	221	285	19	313	18	44
7	23	29	466	986	2,800	1,690	202	219	15	456	15	45
8	40	33	385	759	1,550	1,110	186	172	14	456	12	e204
9	29	24	330	700	1,140	840	168	130	12	303	9.6	322
10	24	19	963	648	920	659	142	102	11	256	8.6	199
11	22	17	1,280	528	759	530	148	83	10	289	7.5	126
12	22	16	835	457	992	445	190	68	9.3	222	7.6	89
13	56	15	647	404	979	374	279	69	8.5	255	7.7	68
14	110	14	616	356	826	325	330	265	8.4	207	7.8	54
15	104	14	554	320	890	303	324	215	10	158	8.2	58
16	95	16	478	278	1,070	347	286	162	12	113	9.9	2,220
17	55	18	1,090	252	888	332	248	127	13	84	9.1	20,900
18	53	29	939	284	729	281	216	105	12	69	7.6	2,960
19	23	534	702	293	619	257	191	88	9.4	57	6.7	1,470
20	23	394	537	245	531	231	168	74	8.0	45	8.1	819
21	22	263	431	223	455	219	148	61	7.0	36	81	506
22	21	202	372	211	385	201	218	48	7.4	29	80	356
23	20	165	350	197	338	182	210	39	8.8	25	72	267
24	18	158	528	188	310	167	173	50	32	22	48	207
25	15	198	457	3,500	289	155	149	40	84	23	e33	164
26	15	183	392	4,130	341	144	151	31	261	49	e24	133
27	15	328	345	1,850	383	134	158	25	174	41	e24	113
28	14	887	307	1,190	347	126	122	22	267	59	21	98
29	15	649	283	920	323	119	98	19	263	59	17	88
30	15	461	662	742	---	298	91	18	186	70	15	80
31	15	---	671	599	---	388	---	28	---	138	13	---
TOTAL	1,109	4,747	17,255	24,397	24,471	13,735	6,670	4,945	1,673.8	7,341	787.4	31,723
MEAN	35.8	158	557	787	844	443	222	160	55.8	237	25.4	1,057
MAX	110	887	1,280	4,130	4,670	1,930	506	787	267	1,160	81	20,900
MIN	14	11	244	188	289	119	91	18	7.0	22	6.7	11
CFSM	0.18	0.80	2.80	3.95	4.24	2.23	1.12	0.80	0.28	1.19	0.13	5.31
IN.	0.21	0.89	3.23	4.56	4.57	2.57	1.25	0.92	0.31	1.37	0.15	5.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2004, BY WATER YEAR (WY)

MEAN	176	372	636	945	948	1,068	684	395	163	191	77.1	136
MAX	1,080	1,583	2,020	1,848	3,000	2,596	1,939	1,729	1,101	1,690	578	1,057
(WY)	(1976)	(1993)	(1983)	(1982)	(1990)	(1980)	(1979)	(2003)	(1989)	(1985)	(1984)	(2004)
MIN	1.35	2.69	24.1	132	293	209	118	33.1	4.53	1.83	1.77	0.58
(WY)	(1988)	(1988)	(1966)	(1981)	(1978)	(1974)	(1986)	(1986)	(1988)	(1960)	(1980)	(1999)

02399200 LITTLE RIVER NEAR BLUE POND, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1959 - 2004	
ANNUAL TOTAL	187,220.9		138,854.2			
ANNUAL MEAN	513		379		481	
HIGHEST ANNUAL MEAN					784	1990
LOWEST ANNUAL MEAN					192	1986
HIGHEST DAILY MEAN	10,700	May 6	20,900	Sep 17	27,100	Feb 16, 1990
LOWEST DAILY MEAN	7.1	Sep 21	6.7	Aug 19	0.20	Jul 20, 1960
ANNUAL SEVEN-DAY MINIMUM	8.7	Sep 15	8.1	Aug 13	0.29	Jul 15, 1960
MAXIMUM PEAK FLOW			39,600	Sep 17	53,800	Jul 24, 1985
MAXIMUM PEAK STAGE			15.11	Sep 17	16.98	Jul 24, 1985
ANNUAL RUNOFF (CFSM)	2.58		1.91		2.42	
ANNUAL RUNOFF (INCHES)	35.00		25.96		32.83	
10 PERCENT EXCEEDS	989		797		1,190	
50 PERCENT EXCEEDS	252		174		170	
90 PERCENT EXCEEDS	21		14		5.5	

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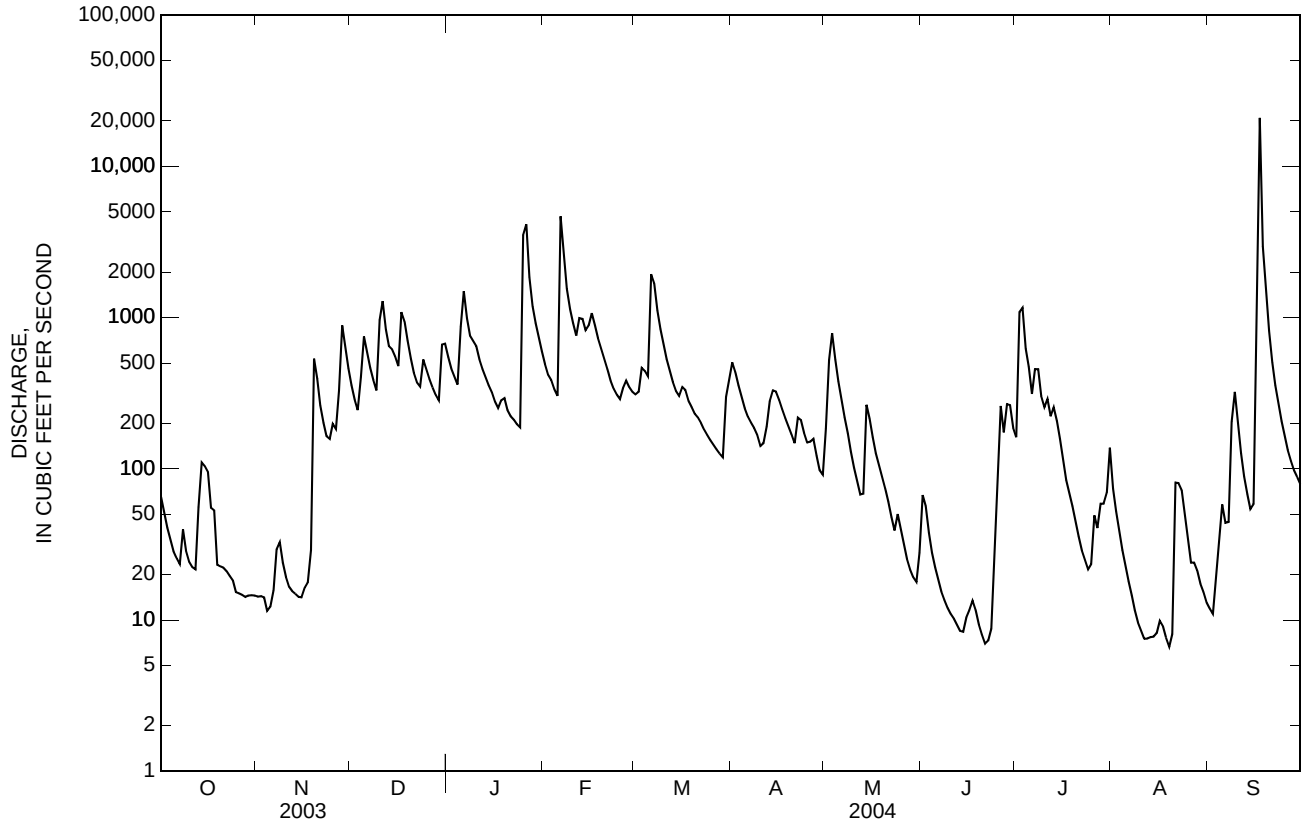

02399500 COOSA RIVER AT LEESBURG, AL

LOCATION.--Lat 34° 10'36", long 85° 45'13", in SW $^1/_4$ 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 mi^2.

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 at NGVD of 1929. 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 ft^3/s, 21.03 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,200 ft^3/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 ft^3/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, 564.18 ft, July 10; minimum elevation, 557.06 ft, Dec. 31.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	562.49	---	559.46	557.60	560.37	560.57	563.62	563.63	563.33	563.80	563.78	563.25
2	562.35	---	559.19	557.70	560.05	560.27	563.64	563.51	563.40	563.81	563.81	563.24
3	562.17	---	559.03	557.70	559.49	560.13	563.66	563.59	563.50	563.99	563.65	563.19
4	562.07	560.94	558.74	558.14	559.03	559.89	563.70	563.51	563.48	563.96	563.53	563.06
5	562.21	---	558.51	558.37	558.69	559.83	563.70	563.42	563.42	563.87	563.43	563.02
6	562.18	---	558.47	558.11	559.13	560.28	563.69	563.40	563.35	563.82	563.43	562.99
7	562.12	560.57	559.05	558.11	560.91	561.04	563.66	563.42	563.34	563.88	563.46	563.01
8	562.20	560.59	559.26	558.24	561.98	561.50	563.49	563.43	563.37	563.98	563.53	562.99
9	---	560.81	559.13	558.13	562.09	561.53	563.40	563.50	563.39	564.00	563.49	563.08
10	561.88	560.62	558.97	557.87	561.68	561.51	563.38	563.61	563.44	564.01	563.33	563.01
11	---	560.40	558.88	557.79	561.10	561.19	563.44	563.59	563.39	563.91	563.19	562.93
12	562.07	560.30	559.06	557.78	560.53	560.92	563.55	563.57	563.46	563.75	563.20	562.97
13	---	560.19	559.13	557.75	560.47	560.89	563.51	563.60	563.68	563.65	563.33	562.85
14	---	560.09	559.01	557.94	560.42	561.24	563.65	563.54	563.77	563.64	563.46	562.43
15	561.74	560.12	558.82	557.99	560.31	561.48	563.64	563.52	563.56	563.63	563.55	561.18
16	561.72	560.27	558.76	557.93	560.20	561.58	563.57	563.63	563.44	563.57	563.54	560.58
17	561.82	560.34	558.75	558.10	560.26	561.70	563.54	563.60	563.55	563.54	563.46	562.10
18	561.77	560.22	558.55	558.50	560.24	561.85	563.59	563.55	563.63	563.64	563.50	563.24
19	561.62	560.34	558.27	558.68	560.08	561.90	563.62	563.53	563.80	563.66	563.50	563.56
20	561.45	560.47	558.17	558.57	559.87	561.99	563.63	563.52	563.97	563.60	563.49	563.35
21	561.32	560.35	558.12	558.41	560.09	562.06	563.64	563.51	563.99	563.56	563.62	563.05
22	561.32	560.45	557.95	558.17	560.52	562.20	563.64	563.52	564.05	563.54	563.81	562.82
23	561.32	560.43	557.66	557.99	560.53	562.26	563.54	563.46	564.03	563.49	563.87	562.71
24	561.33	560.18	557.49	558.13	560.48	562.44	563.50	563.45	564.00	563.46	563.78	562.18
25	---	559.86	557.64	558.94	560.22	562.61	563.53	563.42	563.96	563.58	563.66	562.26
26	---	559.65	557.53	560.02	559.77	562.61	563.58	563.40	563.91	563.71	563.54	562.59
27	561.25	559.75	557.42	560.55	559.66	562.67	563.59	563.37	564.01	563.62	563.42	562.74
28	561.09	560.05	557.84	561.03	559.90	562.82	563.68	563.36	563.81	563.65	563.32	562.74
29	560.99	560.04	557.72	561.08	560.53	562.90	563.74	563.37	563.82	563.69	563.33	562.78
30	560.91	559.80	557.54	560.83	---	563.03	563.59	563.30	563.82	563.62	563.27	563.02
31	560.92	---	557.35	560.58	---	563.41	---	563.31	---	563.61	563.25	---
MEAN	---	---	558.43	558.60	560.30	561.62	563.59	563.49	563.66	563.72	563.50	562.76
MAX	---	---	559.46	561.08	562.09	563.41	563.74	563.63	564.05	564.01	563.87	563.56
MIN	---	---	557.35	557.60	558.69	559.83	563.38	563.30	563.33	563.46	563.19	560.58

02400100 TERRAPIN CREEK AT ELLISVILLE, AL

LOCATION.--Lat 34° 03'54", long 85° 36'51", in SW $^1/_4$ 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 mi^2.

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 NGVD of 1929.

REMARKS.--Estimated daily discharges: Aug. 25-27. 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 FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
No peaks above base discharge							

Minimum discharge, 90 ft^3/s, Aug. 8, gage height, 7.53 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	124	229	252	295	352	310	453	225	218	112	100
2	138	127	203	234	271	367	272	624	179	222	113	120
3	134	126	189	222	263	437	248	829	162	288	109	127
4	133	125	192	213	249	387	233	468	155	220	104	122
5	133	128	193	250	250	362	219	317	146	171	101	115
6	141	134	187	376	1,420	751	211	257	139	153	101	100
7	139	135	176	321	1,730	797	206	223	135	186	99	230
8	157	135	171	272	1,350	604	205	201	140	218	96	643
9	150	130	170	278	938	499	216	190	146	201	95	395
10	144	125	221	277	640	430	199	207	132	156	98	232
11	140	124	314	253	527	380	213	186	123	139	112	177
12	140	124	254	237	921	350	239	176	117	129	204	153
13	139	122	227	225	946	325	255	181	134	140	231	140
14	137	120	222	217	731	304	292	209	143	133	152	133
15	133	120	212	211	777	291	254	177	136	135	126	128
16	131	124	204	202	982	310	228	167	142	131	116	588
17	132	126	247	194	792	311	215	201	271	128	110	2,260
18	135	155	280	213	635	282	200	226	267	135	106	1,200
19	134	897	248	217	536	265	188	394	183	136	106	684
20	133	533	216	203	481	253	182	237	148	123	109	439
21	131	256	196	187	441	251	178	193	133	114	131	231
22	130	187	184	180	393	240	175	174	129	111	131	190
23	126	168	185	176	361	230	171	163	139	106	123	169
24	124	175	265	174	343	224	163	150	170	102	114	154
25	124	184	278	536	343	222	158	144	183	112	e126	144
26	125	172	240	1,480	486	217	185	139	177	224	e122	137
27	127	210	220	982	465	215	215	135	207	187	e119	132
28	126	522	207	615	414	215	188	132	316	156	113	130
29	127	449	200	448	376	216	166	145	272	135	109	128
30	126	285	268	370	---	276	164	143	219	123	106	126
31	125	---	287	327	---	316	---	230	---	116	103	---
TOTAL	4,154	6,342	6,885	10,342	18,356	10,679	6,348	7,671	5,168	4,848	3,697	9,627
MEAN	134	211	222	334	633	344	212	247	172	156	119	321
MAX	157	897	314	1,480	1,730	797	310	829	316	288	231	2,260
MIN	124	120	170	174	249	215	158	132	117	102	95	100
CFSM	0.53	0.84	0.88	1.32	2.51	1.37	0.84	0.98	0.68	0.62	0.47	1.27
IN.	0.61	0.94	1.02	1.53	2.71	1.58	0.94	1.13	0.76	0.72	0.55	1.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2004, BY WATER YEAR (WY)

MEAN	201	252	370	562	737	799	599	404	258	228	196	159
MAX	1,261	897	1,152	1,293	1,961	1,735	1,215	1,317	972	702	759	321
(WY)	(1996)	(1996)	(1984)	(1993)	(1990)	(1964)	(1982)	(2003)	(1989)	(1989)	(1984)	(2004)
MIN	64.2	89.7	97.6	137	215	200	143	113	79.0	73.9	61.4	57.9
(WY)	(2001)	(1988)	(1989)	(1981)	(2000)	(1988)	(1986)	(1986)	(1988)	(1986)	(2000)	(2000)

02400100 TERRAPIN CREEK AT ELLISVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1963 - 2004	
ANNUAL TOTAL	183,633		94,117			
ANNUAL MEAN	503		257		395	
HIGHEST ANNUAL MEAN					657	1996
LOWEST ANNUAL MEAN					147	1986
HIGHEST DAILY MEAN	5,500	Mar 6	2,260	Sep 17	12,000	Oct 5, 1995
LOWEST DAILY MEAN	120	Nov 14	95	Aug 9	48	Aug 31, 2000
ANNUAL SEVEN-DAY MINIMUM	123	Nov 10	99	Aug 4	50	Aug 20, 2000
MAXIMUM PEAK FLOW			3,710	Sep 17	20,100	Mar 4, 1979
MAXIMUM PEAK STAGE			12.52	Sep 17	19.82	Mar 4, 1979
INSTANTANEOUS LOW FLOW					48	Aug 31, 2000
ANNUAL RUNOFF (CFSM)	2.00		1.02		1.57	
ANNUAL RUNOFF (INCHES)	27.11		13.89		21.32	
10 PERCENT EXCEEDS	998		457		843	
50 PERCENT EXCEEDS	316		188		211	
90 PERCENT EXCEEDS	135		122		98	

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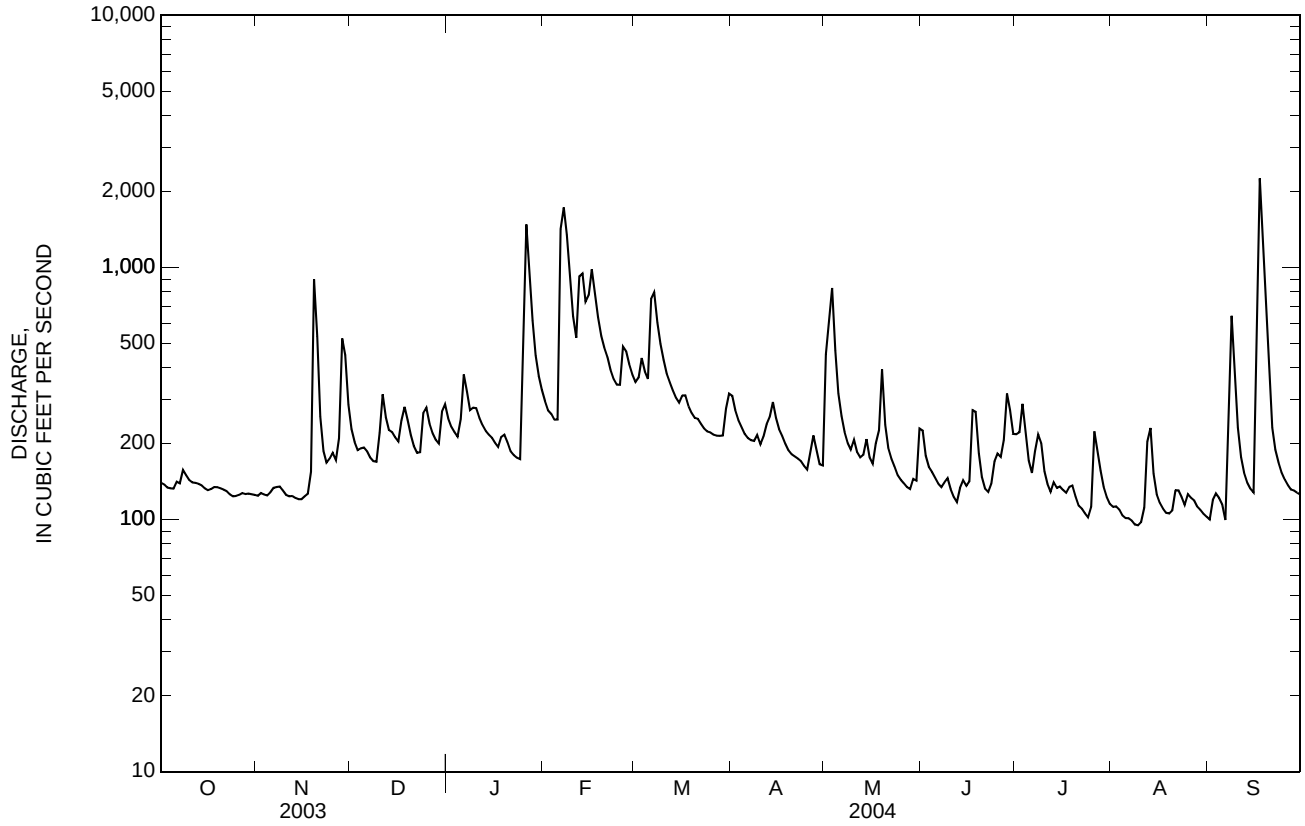


02400496 COOSA RIVER AT GADSDEN STEAMPLANT NEAR GADSDEN, AL

LOCATION.--Lat 34° 00'50", long 85° 58'13", in SE $^1/_4$ 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 mi^2.

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 NGVD of 1929. 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. Gage in pool of H. Neely Henry Reservoir.

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, 23.19 ft, Jan. 26, Sept. 17; minimum gage height, 19.67 ft, Feb. 26.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.43	21.18	20.61	20.73	20.69	20.76	20.86	21.79	21.74	21.57	21.81	21.48
2	21.51	21.27	20.50	20.83	20.48	20.81	20.97	21.93	21.60	21.64	21.80	21.39
3	21.58	21.26	20.46	20.81	20.42	20.96	20.85	21.99	21.54	21.63	21.70	21.36
4	21.70	21.25	20.54	20.98	20.82	20.90	20.88	22.06	21.47	21.77	21.58	21.30
5	21.78	21.13	20.69	21.07	20.67	20.70	21.08	21.76	21.53	21.87	21.48	21.32
6	21.68	20.98	20.70	21.31	21.19	21.09	21.17	21.90	21.55	21.81	21.27	21.35
7	21.60	20.93	20.82	21.16	21.70	21.03	21.15	21.95	21.59	21.83	21.36	21.48
8	21.54	20.82	20.73	20.91	22.12	20.84	21.23	21.91	21.61	21.80	21.38	21.53
9	21.63	20.87	20.63	20.83	22.26	20.95	21.16	21.99	21.51	21.89	21.31	21.46
10	21.55	20.84	20.59	20.80	22.40	21.08	21.12	21.96	21.39	21.93	21.28	21.77
11	21.52	20.83	20.95	20.76	22.46	20.92	21.30	21.83	21.47	21.83	21.26	21.78
12	21.44	20.86	21.28	20.78	22.64	20.89	21.40	21.66	21.61	21.76	21.51	21.73
13	21.46	20.88	20.82	20.76	22.00	20.91	21.50	21.61	21.72	21.64	21.47	21.80
14	21.46	20.84	20.55	20.88	21.51	21.05	21.47	21.64	21.28	21.65	21.45	21.50
15	21.35	20.97	20.53	20.86	21.61	20.94	21.79	21.53	21.18	21.67	21.47	21.44
16	21.49	21.06	20.54	20.80	21.89	21.04	21.73	21.58	21.36	21.79	21.54	20.57
17	21.53	21.06	20.61	20.78	21.52	20.94	21.76	21.64	21.53	21.85	21.65	22.31
18	21.53	21.14	20.63	20.76	21.13	21.01	21.70	21.79	21.68	21.91	21.54	22.62
19	21.49	21.04	20.47	20.73	21.06	20.97	21.63	21.80	21.61	21.89	21.55	22.78
20	21.40	20.97	20.36	20.66	21.11	20.96	21.76	21.66	21.53	21.72	21.60	22.44
21	21.28	20.90	20.44	20.67	21.01	20.90	21.73	21.51	21.60	21.62	21.68	22.17
22	21.14	20.87	20.68	20.74	20.60	20.87	21.77	21.46	21.57	21.54	21.55	22.18
23	21.09	20.77	20.70	20.81	20.81	20.93	21.82	21.52	21.62	21.48	21.56	21.98
24	20.95	20.65	20.71	20.85	20.69	20.89	21.77	21.54	21.74	21.50	21.58	21.60
25	20.88	20.45	20.71	21.58	20.66	20.92	21.80	21.61	21.72	21.59	21.61	21.47
26	21.00	20.35	20.82	22.99	20.24	20.92	21.82	21.67	21.87	21.56	21.67	21.49
27	21.24	20.65	20.74	22.24	20.86	20.92	21.86	21.69	22.20	21.58	21.56	21.32
28	21.17	20.44	20.85	21.54	21.02	20.98	21.92	21.60	22.08	21.51	21.52	21.20
29	21.20	20.32	20.81	20.87	20.98	21.00	21.87	21.35	22.15	21.31	21.59	21.18
30	21.03	20.41	20.86	20.72	---	21.00	21.91	21.38	21.69	21.53	21.59	21.07
31	21.08	---	20.85	20.97	---	20.99	---	21.77	---	21.68	21.57	---
MEAN	21.38	20.87	20.68	21.01	21.26	20.94	21.49	21.71	21.62	21.69	21.53	21.64
MAX	21.78	21.27	21.28	22.99	22.64	21.09	21.92	22.06	22.20	21.93	21.81	22.78
MIN	20.88	20.32	20.36	20.66	20.24	20.70	20.85	21.35	21.18	21.31	21.26	20.57

CAL YR	2003	MEAN	21.71	MAX	25.42	MIN 20.32
WTR YR	2004	MEAN	21.32	MAX	22.99	MIN 20.24

02400500 COOSA RIVER AT GADSDEN, AL

LOCATION.--Lat 34° 00'37", long 85° 59'52", in NW $^1/_4$ 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 mi^2.

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, 195l-52, 1954, 1958. WDR AL-84-1: Drainage area.

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

REMARKS.--No estimated daily gage heights. Record good. 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. Gage in pool of H. Neely Henry Reservoir.

AVERAGE DISCHARGE.--50 years, (water years 1927-76) 9,468 ft^3/s, 22.15 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,900 ft^3/s, Apr. 11, 1936, gage height, 31.13 ft; minimum daily, 100 ft^3s, 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 ft^3/s, from rating curve extended above 80,000 ft^3/s. Flood of July 15, 1916, reached a stage of 32.7 ft, discharge, 85,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.83 ft, Sept. 17; minimum gage height, 19.50 ft, Feb. 26.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.35	21.10	20.43	20.64	20.55	20.62	20.79	21.67	21.67	21.45	21.74	21.40
2	21.42	21.19	20.36	20.68	20.30	20.67	20.87	21.81	21.53	21.51	21.71	21.31
3	21.49	21.16	20.32	20.72	20.27	20.83	20.77	21.90	21.48	21.49	21.61	21.27
4	21.64	21.15	20.38	20.91	20.66	20.75	20.82	21.94	21.39	21.65	21.49	21.23
5	21.74	21.02	20.55	20.95	20.54	20.61	21.01	21.67	21.45	21.76	21.38	21.25
6	21.64	20.87	20.57	21.14	20.98	20.99	21.09	21.82	21.47	21.71	21.18	21.29
7	21.58	20.80	20.73	20.99	21.53	20.94	21.07	21.87	21.53	21.73	21.29	21.40
8	21.49	20.74	20.59	20.75	21.83	20.67	21.14	21.84	21.54	21.68	21.30	21.44
9	21.59	20.79	20.49	20.63	21.89	20.77	21.07	21.93	21.44	21.78	21.22	21.36
10	21.51	20.73	20.45	20.63	21.96	20.90	21.05	21.87	21.32	21.82	21.19	21.67
11	21.53	20.73	20.80	20.63	22.02	20.74	21.25	21.75	21.40	21.71	21.17	21.69
12	21.44	20.75	21.13	20.65	22.25	20.75	21.34	21.59	21.54	21.64	21.44	21.67
13	21.48	20.77	20.62	20.65	21.71	20.83	21.42	21.51	21.65	21.55	21.39	21.67
14	21.40	20.73	20.40	20.78	21.24	21.00	21.39	21.54	21.19	21.56	21.38	21.36
15	21.29	20.88	20.38	20.76	21.36	20.87	21.70	21.46	21.09	21.57	21.40	21.12
16	21.44	20.98	20.40	20.69	21.64	20.96	21.64	21.51	21.29	21.70	21.45	20.30
17	21.48	20.95	20.46	20.70	21.29	20.89	21.68	21.56	21.46	21.78	21.58	22.04
18	21.46	21.03	20.44	20.69	20.91	20.94	21.64	21.70	21.60	21.84	21.46	22.25
19	21.42	20.90	20.28	20.63	20.85	20.89	21.56	21.71	21.55	21.80	21.47	22.42
20	21.30	20.78	20.21	20.56	20.95	20.90	21.69	21.57	21.46	21.62	21.52	22.06
21	21.18	20.70	20.34	20.56	20.92	20.84	21.66	21.42	21.53	21.54	21.60	21.82
22	21.04	20.71	20.54	20.63	20.53	20.81	21.70	21.39	21.49	21.45	21.48	21.88
23	20.98	20.60	20.56	20.72	20.69	20.87	21.72	21.44	21.53	21.39	21.47	21.76
24	20.84	20.46	20.56	20.77	20.59	20.83	21.70	21.46	21.65	21.43	21.49	21.40
25	20.80	20.26	20.61	21.38	20.49	20.87	21.73	21.53	21.60	21.52	21.52	21.36
26	20.92	20.20	20.67	22.51	20.07	20.86	21.74	21.58	21.76	21.46	21.57	21.38
27	21.14	20.53	20.65	21.86	20.75	20.86	21.79	21.61	22.06	21.48	21.46	21.19
28	21.08	20.32	20.77	21.29	20.94	20.93	21.85	21.52	21.87	21.41	21.46	21.05
29	21.10	20.12	20.68	20.62	20.93	20.92	21.79	21.28	22.03	21.22	21.52	21.06
30	20.93	20.26	20.73	20.52	---	20.94	21.80	21.30	21.57	21.44	21.52	20.96
31	20.99	---	20.69	20.80	---	20.93	---	21.68	---	21.61	21.50	---
MEAN	21.31	20.74	20.54	20.85	21.06	20.84	21.42	21.63	21.54	21.59	21.45	21.47
MAX	21.74	21.19	21.13	22.51	22.25	21.00	21.85	21.94	22.06	21.84	21.74	22.42
MIN	20.80	20.12	20.21	20.52	20.07	20.61	20.77	21.28	21.09	21.22	21.17	20.30

CAL YR	2003	MEAN	21.46	MAX	24.37	MIN 20.12
WTR YR	2004	MEAN	21.20	MAX	22.51	MIN 20.07

02400680 BIG WILLS CREEK AT STATE HIGHWAY 35 NEAR FORT PAYNE, AL

LOCATION.--Lat 34° 26'17", long 85° 46'02", in SE $^1/_4$ sec. 11, T. 7 S., R. 8 E., Dekalb County, Ala., Hydrologic Unit 03150106, on downstream side of State Highway 35 bridge, about 2 miles west of Fort Payne..

DRAINAGE AREA.--55.4 mi^2.

PERIOD OF RECORD.--October 2002 - current year.

GAGE.--Water-stage recorder. Elevation of gage is 800 ft. above NGVD of 1929, from topographic map.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 25	1815	1,600	10.38	Sep 17	0115	*3,130	*13.43
Feb 6	1115	1,340	9.72				

Minimum discharge, 16 ft^3/s, Nov. 10, 11, 14, Aug. 31, Sept. 1, gage height, 3.90 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

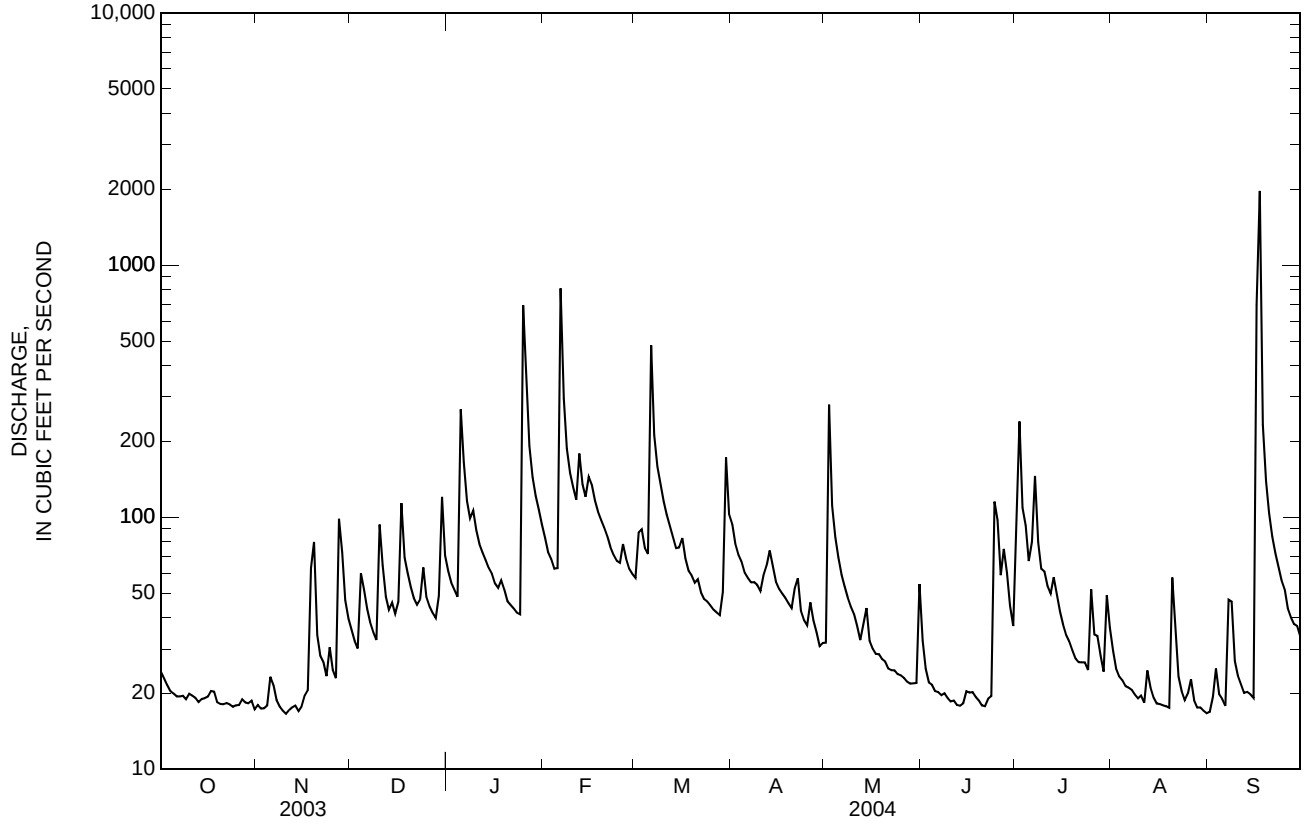
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	18	36	61	83	57	94	32	32	75	30	17
2	23	17	32	55	73	87	79	280	25	240	25	19
3	22	17	30	51	68	90	71	111	22	109	23	25
4	20	18	60	48	63	75	67	83	22	92	23	20
5	20	23	52	268	63	71	60	69	20	67	21	19
6	19	22	43	165	809	481	57	59	20	80	21	18
7	19	19	38	116	296	212	55	53	20	146	21	47
8	20	18	35	99	187	159	55	48	20	79	20	46
9	19	17	33	106	150	136	54	44	19	62	19	27
10	20	17	94	89	132	116	51	41	19	61	20	24
11	20	17	64	78	117	102	59	37	19	54	18	22
12	19	18	48	73	179	92	64	33	18	50	25	20
13	18	18	43	68	135	83	74	38	18	58	21	20
14	19	17	46	63	121	75	64	44	18	49	19	20
15	19	18	41	60	145	76	55	32	20	42	18	19
16	19	20	46	55	135	83	52	30	20	37	18	696
17	20	21	114	52	116	69	50	29	20	34	18	1,970
18	20	63	69	56	105	61	48	29	19	32	18	233
19	18	80	60	52	97	59	46	27	19	30	18	139
20	18	34	53	46	91	55	44	27	18	27	58	104
21	18	28	48	45	84	57	52	25	18	27	38	84
22	18	27	45	43	76	50	57	25	19	27	23	72
23	18	23	47	42	71	47	43	25	20	27	20	63
24	18	30	63	41	67	46	39	24	115	25	19	56
25	18	25	48	694	66	45	37	24	97	52	20	52
26	18	23	44	381	78	43	46	23	59	34	23	44
27	19	99	42	192	68	42	39	22	75	34	19	40
28	18	73	40	144	62	41	35	22	60	28	18	38
29	18	47	49	122	60	50	31	22	45	24	18	37
30	19	40	120	107	---	173	32	22	37	49	17	34
31	17	---	71	94	---	103	---	54	---	36	17	---
TOTAL	595	907	1,654	3,566	3,797	2,936	1,610	1,434	953	1,787	686	4,025
MEAN	19.2	30.2	53.4	115	131	94.7	53.7	46.3	31.8	57.6	22.1	134
MAX	24	99	120	694	809	481	94	280	115	240	58	1,970
MIN	17	17	30	41	60	41	31	22	18	24	17	17
CFSM	0.35	0.55	0.96	2.08	2.36	1.71	0.97	0.83	0.57	1.04	0.40	2.42
IN.	0.40	0.61	1.11	2.39	2.55	1.97	1.08	0.96	0.64	1.20	0.46	2.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	27.8	45.4	89.4	91.2	170	110	62.2	183	47.5	55.8	36.4	86.9
MAX	36.4	60.5	125	115	210	126	70.8	319	63.1	57.6	50.6	134
(WY)	(2003)	(2003)	(2003)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2003)	(2004)
MIN	19.2	30.2	53.4	67.4	131	94.7	53.7	46.3	31.8	54.0	22.1	39.7
(WY)	(2004)	(2004)	(2004)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2004)	(2003)

02400680 BIG WILLS CREEK AT STATE HIGHWAY 35 NEAR FORT PAYNE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	33,374		23,950			
ANNUAL MEAN	91.4		65.4		83.4	
HIGHEST ANNUAL MEAN					102	2003
LOWEST ANNUAL MEAN					65.4	2004
HIGHEST DAILY MEAN	1,830	May 18	1,970	Sep 17	1,970	Sep 17, 2004
LOWEST DAILY MEAN	17	Oct 31	17	Oct 31	17	Oct 31, 2003
ANNUAL SEVEN-DAY MINIMUM	17	Nov 8	17	Nov 8	17	Nov 8, 2003
MAXIMUM PEAK FLOW			3,130	Sep 17	3,760	May 6, 2003
MAXIMUM PEAK STAGE			13.43	Sep 17	14.45	May 6, 2003
ANNUAL RUNOFF (CFSM)	1.65		1.18		1.51	
ANNUAL RUNOFF (INCHES)	22.41		16.08		20.47	
10 PERCENT EXCEEDS	161		112		143	
50 PERCENT EXCEEDS	55		43		52	
90 PERCENT EXCEEDS	20		18		20	



02401000 BIG WILLS CREEK NEAR REECE CITY, AL

LOCATION.--Lat 34° 05'53", long 86° 02'17", in SE $^1/_4$ 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 mi^2.

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.--Estimated daily discharges: June 24-29. 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.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 18	0430	*7,280	*12.14	No other peak greater than base discharge.			

Minimum discharge, 67 ft^3/s, Nov. 4, gage height, 1.82 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	72	150	256	321	244	302	122	173	628	133	75
2	94	71	135	224	289	249	271	511	126	873	115	73
3	92	70	124	204	267	336	242	727	105	787	102	97
4	89	69	128	192	247	306	225	333	95	440	98	104
5	85	78	190	336	231	276	208	269	88	362	94	87
6	85	88	184	839	1,340	1,090	196	231	84	297	89	77
7	85	90	156	439	2,570	1,410	192	205	83	471	85	86
8	86	80	140	341	1,150	723	185	186	84	549	83	129
9	86	75	131	326	680	566	180	170	81	363	81	163
10	83	72	168	319	553	479	171	161	79	296	80	109
11	81	70	307	273	482	415	173	150	76	256	80	95
12	81	72	228	247	674	373	187	141	73	235	82	87
13	78	72	187	232	659	336	196	133	73	214	85	82
14	77	72	175	218	505	308	207	127	72	220	85	79
15	78	71	170	206	569	293	185	140	82	204	78	78
16	77	70	161	193	629	297	170	123	96	186	75	403
17	79	76	215	180	495	290	161	118	131	169	73	3,180
18	82	87	302	181	436	256	153	130	101	158	74	6,270
19	82	215	230	183	399	237	150	177	86	145	72	1,570
20	77	233	202	167	371	222	144	126	77	136	78	521
21	74	137	181	155	346	212	142	113	72	128	263	395
22	81	112	167	148	311	202	162	106	78	121	167	323
23	75	100	163	142	286	192	179	101	93	117	109	278
24	74	100	185	137	272	184	144	96	e110	113	95	250
25	74	105	203	600	262	180	133	95	e414	115	108	228
26	73	103	172	2,350	329	174	137	91	e380	162	126	210
27	72	126	157	1,710	333	168	147	88	e300	162	101	190
28	71	328	150	662	281	167	134	85	e399	127	88	177
29	73	238	147	497	256	160	123	87	405	121	83	167
30	72	177	295	424	---	292	121	85	270	110	78	156
31	72	---	352	367	---	384	---	163	---	121	75	---
TOTAL	2,485	3,329	5,855	12,748	15,543	11,021	5,320	5,390	4,386	8,386	3,035	15,739
MEAN	80.2	111	189	411	536	356	177	174	146	271	97.9	525
MAX	97	328	352	2,350	2,570	1,410	302	727	414	873	263	6,270
MIN	71	69	124	137	231	160	121	85	72	110	72	73
CFSM	0.44	0.61	1.04	2.26	2.94	1.95	0.97	0.96	0.80	1.49	0.54	2.88
IN.	0.51	0.68	1.20	2.61	3.18	2.25	1.09	1.10	0.90	1.71	0.62	3.22

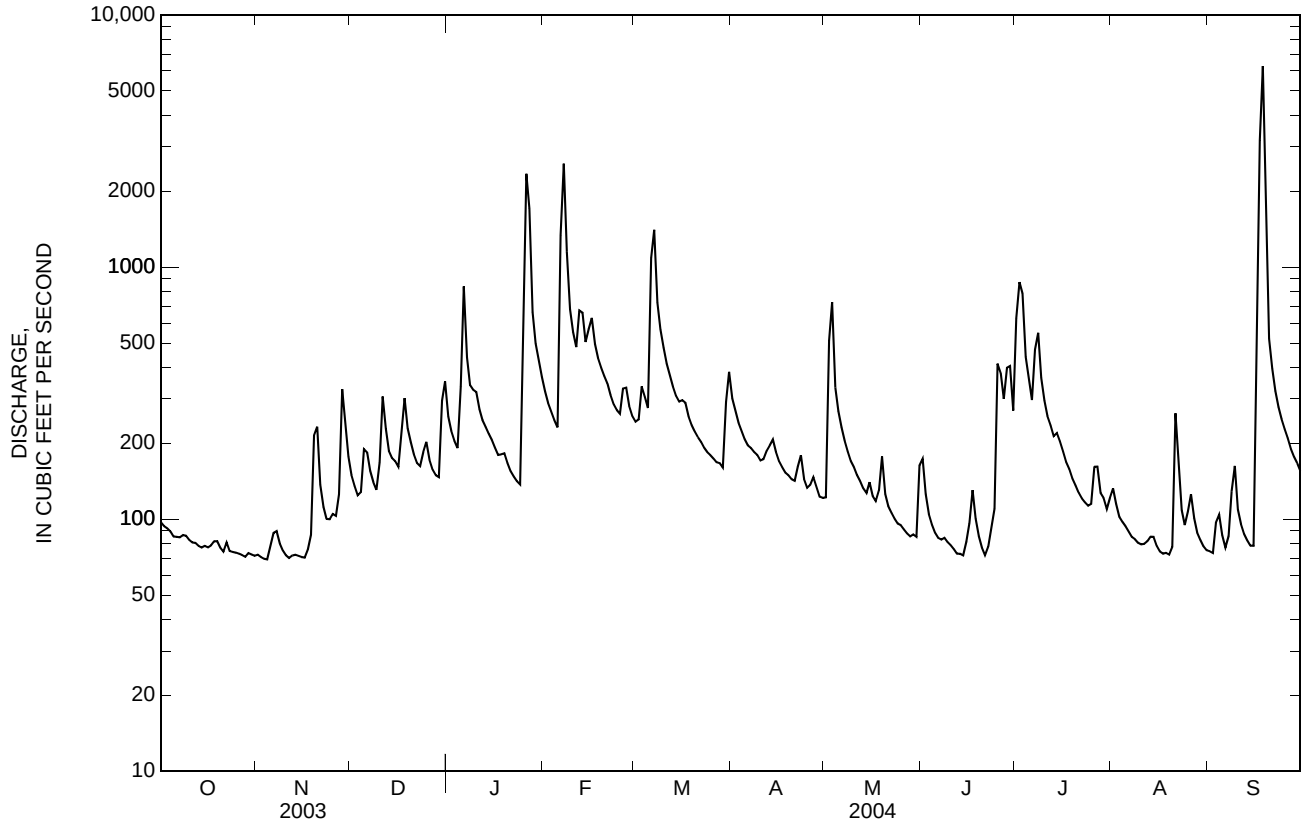
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

MEAN	110	184	282	500	623	633	466	304	182	163	100	115
MAX	557	1,222	1,022	1,487	1,783	1,504	1,258	1,280	637	485	192	614
(WY)	(1996)	(1949)	(1968)	(1947)	(1990)	(1964)	(1964)	(2003)	(1997)	(1989)	(1950)	(1950)
MIN	30.1	33.5	43.7	38.5	157	128	151	86.5	44.6	48.2	48.9	35.7
(WY)	(1955)	(1957)	(1966)	(1956)	(2000)	(1988)	(1995)	(1988)	(1988)	(1988)	(1954)	(1955)

02401000 BIG WILLS CREEK NEAR REECE CITY, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	136,182		93,237			
ANNUAL MEAN	373		255		303	
HIGHEST ANNUAL MEAN					501	1949
LOWEST ANNUAL MEAN					112	1988
HIGHEST DAILY MEAN	5,710	May 19	6,270	Sep 18	12,600	Mar 29, 1951
LOWEST DAILY MEAN	69	Nov 4	69	Nov 4	22	Sep 22, 1955
ANNUAL SEVEN-DAY MINIMUM	71	Oct 29	71	Oct 29	23	Oct 1, 1986
MAXIMUM PEAK FLOW			7,280	Sep 18	15,800	Feb 17, 1990
MAXIMUM PEAK STAGE			12.14	Sep 18	15.07	Feb 17, 1990
ANNUAL RUNOFF (CFSM)	2.05		1.40		1.67	
ANNUAL RUNOFF (INCHES)	27.84		19.06		22.65	
10 PERCENT EXCEEDS	611		437		610	
50 PERCENT EXCEEDS	211		161		156	
90 PERCENT EXCEEDS	80		77		54	

e Estimated



02401390 BIG CANOE CREEK AT ASHVILLE, AL

LOCATION.--Lat 33° 50'23", long 86° 15'46", in SW $^1/_4$ SE $^1/_4$ 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 mi^2.

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 NGVD of 1929.

REMARKS.--Estimated daily discharges: Feb. 16, 17. 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 FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 7	0030	7,500	16.69	Sep 17	1530	*9,360	*17.38

Minimum discharge, 23 ft^3/s, on several days, gage height, 1.68 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	23	59	145	169	257	229	84	383	454	54	29
2	32	23	51	114	149	264	176	1,240	155	380	43	29
3	31	23	46	99	147	396	151	630	103	448	39	31
4	30	23	57	92	134	292	136	251	90	402	36	30
5	30	23	88	246	119	255	119	180	77	310	35	29
6	30	25	69	407	4,440	1,390	108	145	63	216	49	28
7	30	27	56	216	5,540	1,130	101	120	56	301	49	33
8	31	27	51	162	1,490	568	98	100	52	303	38	48
9	31	25	48	217	603	440	101	87	50	228	34	42
10	30	24	106	216	486	355	90	76	50	164	33	35
11	29	25	149	156	426	298	159	70	45	128	32	31
12	29	25	93	133	1,100	262	260	65	42	108	239	29
13	28	25	72	118	765	229	483	63	857	95	119	33
14	28	25	69	107	554	203	388	66	821	88	53	33
15	27	24	69	100	971	187	261	64	174	80	42	30
16	26	25	62	90	1,000	261	205	57	266	71	37	839
17	27	25	95	84	e600	262	172	53	408	68	35	7,810
18	28	31	85	92	e470	190	146	51	202	72	34	3,850
19	28	86	70	97	389	169	126	62	134	66	32	631
20	26	59	62	81	340	153	110	75	98	56	32	332
21	25	38	56	72	305	141	100	55	80	50	42	245
22	24	32	52	67	260	128	92	48	72	47	45	194
23	24	29	53	64	228	115	84	47	89	45	48	159
24	24	31	88	62	211	108	75	45	662	42	99	137
25	23	32	85	831	211	103	69	42	637	42	41	117
26	24	30	69	2,020	627	97	71	40	434	44	45	102
27	24	143	62	558	446	92	78	40	435	76	49	91
28	24	287	57	351	334	90	65	39	434	61	37	83
29	23	120	59	273	287	89	57	62	404	47	34	76
30	23	74	413	232	---	283	60	56	458	43	32	70
31	23	---	234	197	---	269	---	629	---	63	30	---
TOTAL	844	1,409	2,685	7,699	22,801	9,076	4,370	4,642	7,831	4,598	1,567	15,226
MEAN	27.2	47.0	86.6	248	786	293	146	150	261	148	50.5	508
MAX	32	287	413	2,020	5,540	1,390	483	1,240	857	454	239	7,810
MIN	23	23	46	62	119	89	57	39	42	42	30	28
CFSM	0.19	0.33	0.61	1.76	5.58	2.08	1.03	1.06	1.85	1.05	0.36	3.60
IN.	0.22	0.37	0.71	2.03	6.02	2.39	1.15	1.22	2.07	1.21	0.41	4.02

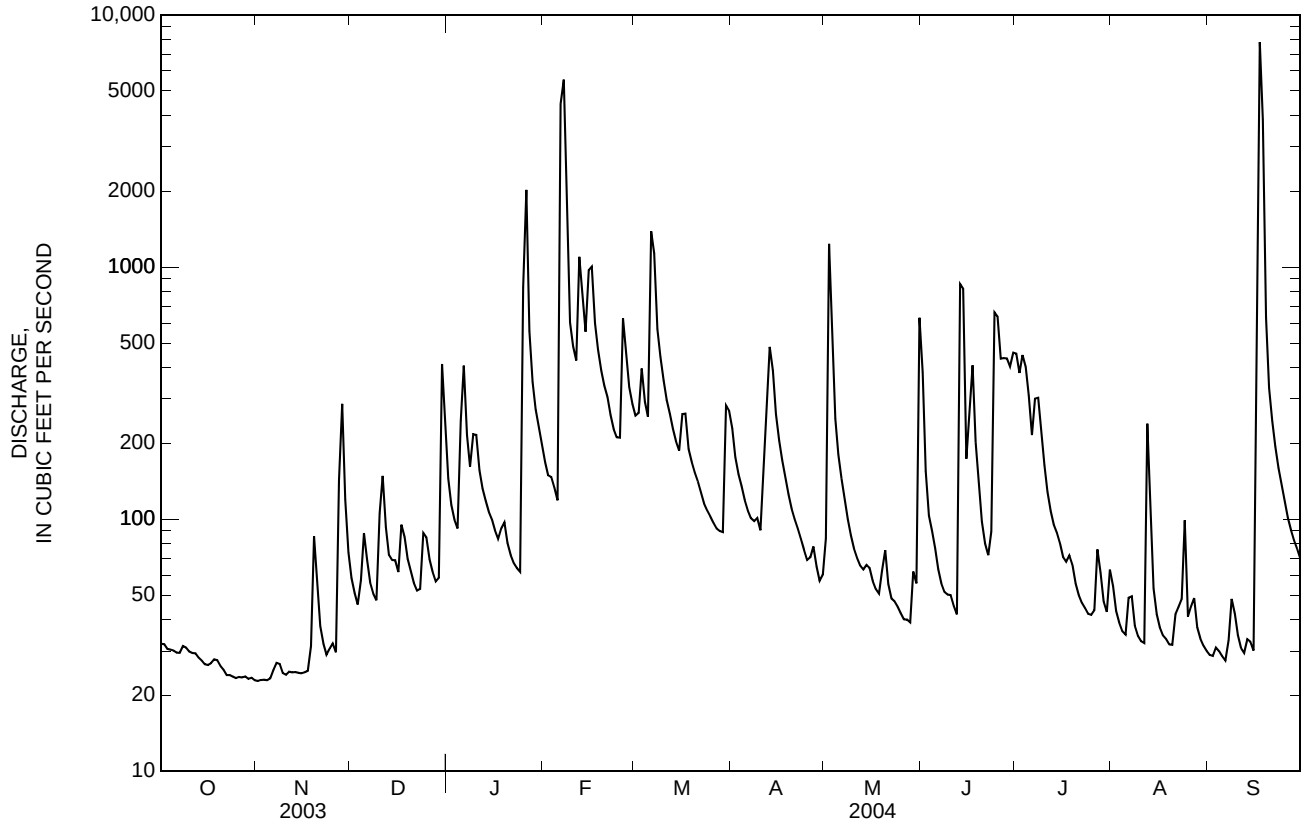
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2004, BY WATER YEAR (WY)

MEAN	101	163	301	491	494	589	432	257	141	99.8	52.6	103
MAX	715	785	1,042	1,017	1,219	1,720	1,568	1,168	1,222	414	171	508
(WY)	(1996)	(1993)	(1984)	(1973)	(1990)	(1980)	(1979)	(2003)	(1997)	(1994)	(1992)	(2004)
MIN	10.9	16.7	23.0	43.3	117	151	49.4	38.5	22.0	15.2	15.5	12.4
(WY)	(2001)	(1979)	(1966)	(1981)	(2000)	(1986)	(1986)	(2000)	(1988)	(2000)	(2000)	(2000)

02401390 BIG CANOE CREEK AT ASHVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966 - 2004	
ANNUAL TOTAL	108,058		82,748			
ANNUAL MEAN	296		226		268	
HIGHEST ANNUAL MEAN					423	1973
LOWEST ANNUAL MEAN					84.8	1986
HIGHEST DAILY MEAN	7,420	May 8	7,810	Sep 17	10,700	Apr 13, 1979
LOWEST DAILY MEAN	23	Oct 25	23	Oct 25	8.2	Oct 21, 2000
ANNUAL SEVEN-DAY MINIMUM	23	Oct 29	23	Oct 29	9.4	Oct 16, 2000
MAXIMUM PEAK FLOW			9,360	Sep 17	13,600	Apr 13, 1979
MAXIMUM PEAK STAGE			17.38	Sep 17	18.75	Apr 13, 1979
ANNUAL RUNOFF (CFSM)	2.10		1.60		1.90	
ANNUAL RUNOFF (INCHES)	28.51		21.83		25.80	
10 PERCENT EXCEEDS	501		436		559	
50 PERCENT EXCEEDS	126		82		96	
90 PERCENT EXCEEDS	28		28		22	

e Estimated



02403310 CHOCCOLOCCO CREEK NEAR BOILING SPRING, AL

LOCATION.--Lat 33° 36'07", long 85° 47'07", in SE $^1/_4$ SE $^1/_4$ sec. 27, T. 16 S., R. 8 E., Calhoun County, Hydrolgic Unit 03150106, on left bank 0.5 mi upstream of truss bridge, upstream of Boiling Spring and 3 mi east of Oxford, 1 mi south of the town of Boiling Spring.

DRAINAGE AREA.--191 mi^2.

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 620 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 16	2100	*3,250	*13.22	No other peak greater than base discharge.			

Minimum discharge, 60 ft^3/s, Aug. 20, gage height, 3.39 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

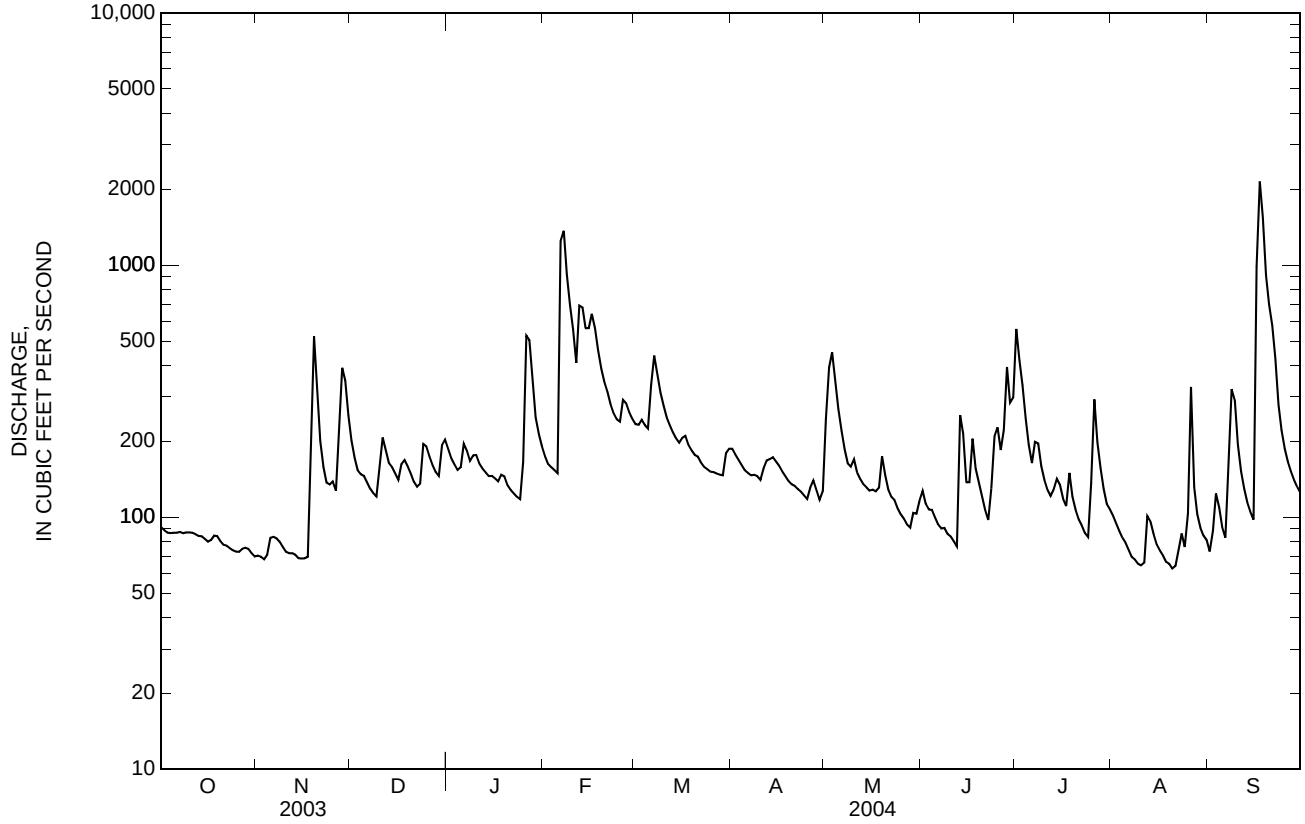
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	70	201	187	175	234	187	245	127	559	101	73
2	89	70	172	171	163	233	177	393	113	418	95	88
3	87	68	153	162	158	244	169	451	107	333	88	124
4	87	71	148	154	154	232	161	353	107	246	83	109
5	87	83	146	158	150	225	154	269	100	194	79	91
6	87	84	137	196	1,240	336	150	220	94	164	74	83
7	87	82	130	183	1,370	437	147	186	90	199	70	187
8	86	80	125	168	918	367	147	164	91	196	68	322
9	87	76	121	176	692	313	146	159	86	160	65	291
10	87	73	157	177	556	277	141	170	84	141	64	194
11	87	72	207	163	410	249	156	151	80	129	66	152
12	86	72	183	156	692	232	168	142	77	121	101	130
13	84	71	164	151	679	217	170	135	254	129	96	115
14	84	69	158	146	562	205	173	131	215	142	86	105
15	82	69	149	146	563	198	167	127	138	135	78	98
16	80	69	141	143	641	207	160	129	138	118	74	988
17	81	70	162	139	562	210	152	127	205	111	71	2,150
18	85	236	169	147	460	193	145	131	156	150	67	1,550
19	84	521	160	145	390	184	139	174	137	121	65	908
20	80	312	149	134	345	176	135	147	121	107	63	699
21	78	200	138	128	314	174	133	129	107	98	64	575
22	77	158	132	124	281	165	129	120	98	93	74	428
23	75	137	136	121	258	158	126	117	130	87	86	279
24	74	135	195	118	245	155	122	108	209	83	76	221
25	73	139	191	166	239	152	118	103	227	137	104	187
26	73	128	174	525	292	151	131	99	185	293	329	167
27	75	221	161	504	283	149	140	94	221	198	132	152
28	76	392	151	363	261	148	128	91	394	156	103	141
29	75	349	146	249	245	147	117	104	285	130	91	132
30	72	253	193	214	---	180	127	103	299	113	85	125
31	70	---	203	192	---	187	---	116	---	108	81	---
TOTAL	2,527	4,430	4,952	5,906	13,298	6,735	4,415	5,188	4,675	5,369	2,779	10,864
MEAN	81.5	148	160	191	459	217	147	167	156	173	89.6	362
MAX	92	521	207	525	1,370	437	187	451	394	559	329	2,150
MIN	70	68	121	118	150	147	117	91	77	83	63	73
CFSM	0.43	0.77	0.84	1.00	2.40	1.14	0.77	0.88	0.82	0.91	0.47	1.90
IN.	0.49	0.86	0.96	1.15	2.59	1.31	0.86	1.01	0.91	1.05	0.54	2.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	125	262	515	251	578	467	256	738	284	450	142	236
MAX	169	377	871	311	702	718	365	1,309	412	726	194	362
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	81.5	148	160	191	459	217	147	167	156	173	89.6	111
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

02403310 CHOCCOLOCCO CREEK NEAR BOILING SPRING, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	159,207		71,138			
ANNUAL MEAN	436		194		358	
HIGHEST ANNUAL MEAN					523	2003
LOWEST ANNUAL MEAN					194	2004
HIGHEST DAILY MEAN	4,170	May 8	2,150	Sep 17	4,170	May 8, 2003
LOWEST DAILY MEAN	68	Nov 3	63	Aug 20	63	Aug 20, 2004
ANNUAL SEVEN-DAY MINIMUM	70	Nov 11	68	Aug 16	68	Aug 16, 2004
MAXIMUM PEAK FLOW			3,250	Sep 16	5,200	May 7, 2003
MAXIMUM PEAK STAGE			13.22	Sep 16	17.20	May 7, 2003
ANNUAL RUNOFF (CFSM)	2.28		1.02		1.88	
ANNUAL RUNOFF (INCHES)	31.01		13.86		25.49	
10 PERCENT EXCEEDS	961		339		746	
50 PERCENT EXCEEDS	260		146		204	
90 PERCENT EXCEEDS	84		76		87	



02404400 CHOCCOLOCCO CREEK AT JACKSON SHOALS NEAR LINCOLN, AL

LOCATION.--Lat 33° 32'54", long 86° 05'49", in SE $^1/_4$ SE $^1/_4$ 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 mi^2.

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 NGVD of 1929 (Alabama Power Company benchmark).

REMARKS.--Estimated daily discharges: June 21, 22. 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	1700	5,280	24.44	Sep 17	0500	*8,010	*26.61

Minimum discharge, 219 ft^3/s, Nov. 2, 4, gage height, 17.86 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	289	231	518	526	488	733	558	658	390	689	340	249
2	276	224	452	490	455	719	523	1,110	354	818	324	239
3	275	230	412	462	441	747	494	1,260	410	934	313	296
4	274	229	395	440	431	712	470	953	646	630	298	316
5	276	255	390	446	421	686	442	755	411	518	291	282
6	272	278	378	504	2,950	1,090	428	623	353	477	287	254
7	277	267	358	490	3,250	1,240	426	544	335	559	269	350
8	278	257	345	460	2,200	1,060	433	486	325	614	259	694
9	273	242	333	484	1,540	926	440	446	311	475	252	603
10	278	239	375	480	1,250	830	416	468	296	423	247	482
11	267	244	485	460	1,060	760	477	437	287	391	242	389
12	263	235	468	439	1,730	711	527	401	283	375	278	342
13	266	236	426	424	1,760	668	533	399	473	548	328	310
14	268	238	409	413	1,450	634	528	398	1,170	426	294	293
15	257	241	390	410	1,460	609	502	383	532	426	272	279
16	249	241	379	402	1,560	621	473	382	470	374	263	1,380
17	256	239	463	394	1,390	615	446	389	836	364	255	5,730
18	263	284	469	422	1,210	581	424	397	541	448	245	3,180
19	251	1,450	441	417	1,060	548	406	525	457	452	237	2,040
20	258	749	413	395	970	524	393	503	409	371	236	1,550
21	248	509	389	372	892	533	377	414	e371	333	254	1,300
22	250	399	371	360	812	506	371	381	e344	315	244	1,010
23	242	348	371	350	750	481	361	502	382	302	257	693
24	235	366	582	355	720	462	349	366	640	289	283	560
25	237	356	558	432	706	454	337	341	681	280	257	493
26	234	332	490	849	949	444	377	326	565	1,050	533	447
27	243	521	461	988	952	437	423	310	559	819	444	414
28	243	1,170	434	835	846	432	376	300	722	528	325	391
29	242	837	424	673	781	434	349	321	681	430	303	372
30	234	638	577	576	---	572	351	333	582	378	267	362
31	228	---	565	528	---	592	---	372	---	349	253	---
TOTAL	8,002	12,085	13,521	15,276	34,484	20,361	13,010	15,483	14,816	15,385	8,950	25,300
MEAN	258	403	436	493	1,189	657	434	499	494	496	289	843
MAX	289	1,450	582	988	3,250	1,240	558	1,260	1,170	1,050	533	5,730
MIN	228	224	333	350	421	432	337	300	283	280	236	239
CFSM	0.54	0.84	0.91	1.02	2.47	1.37	0.90	1.04	1.03	1.03	0.60	1.75
IN.	0.62	0.93	1.05	1.18	2.67	1.57	1.01	1.20	1.15	1.19	0.69	1.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

MEAN	320	431	621	951	1,481	1,545	1,076	776	530	471	356	321
MAX	1,792	1,572	2,028	2,273	4,066	3,625	2,150	3,953	1,676	1,561	1,697	843
(WY)	(1996)	(1993)	(1962)	(1993)	(1961)	(1990)	(1964)	(2003)	(1997)	(2003)	(1967)	(2004)
MIN	124	175	190	223	308	350	225	179	143	138	156	127
(WY)	(2001)	(1988)	(2000)	(1986)	(1986)	(1988)	(1986)	(1986)	(1986)	(1986)	(1988)	(2000)

02404400 CHOCCOLOCCO CREEK AT JACKSON SHOALS NEAR LINCOLN, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004	
ANNUAL TOTAL	415,868		196,673			
ANNUAL MEAN	1,139		537		736	
HIGHEST ANNUAL MEAN					1,316	2003
LOWEST ANNUAL MEAN					221	1986
HIGHEST DAILY MEAN	23,300	May 8	5,730	Sep 17	28,300	Apr 30, 1963
LOWEST DAILY MEAN	224	Nov 2	224	Nov 2	105	Aug 8, 1986
ANNUAL SEVEN-DAY MINIMUM	231	Oct 29	231	Oct 29	108	Aug 3, 1986
MAXIMUM PEAK FLOW			8,010	Sep 17	36,900	Apr 30, 1963
MAXIMUM PEAK STAGE			26.61	Sep 17	39.98	Apr 30, 1963
ANNUAL RUNOFF (CFSM)	2.37		1.12		1.53	
ANNUAL RUNOFF (INCHES)	32.16		15.21		20.79	
10 PERCENT EXCEEDS	2,240		928		1,460	
50 PERCENT EXCEEDS	703		423		414	
90 PERCENT EXCEEDS	263		254		191	

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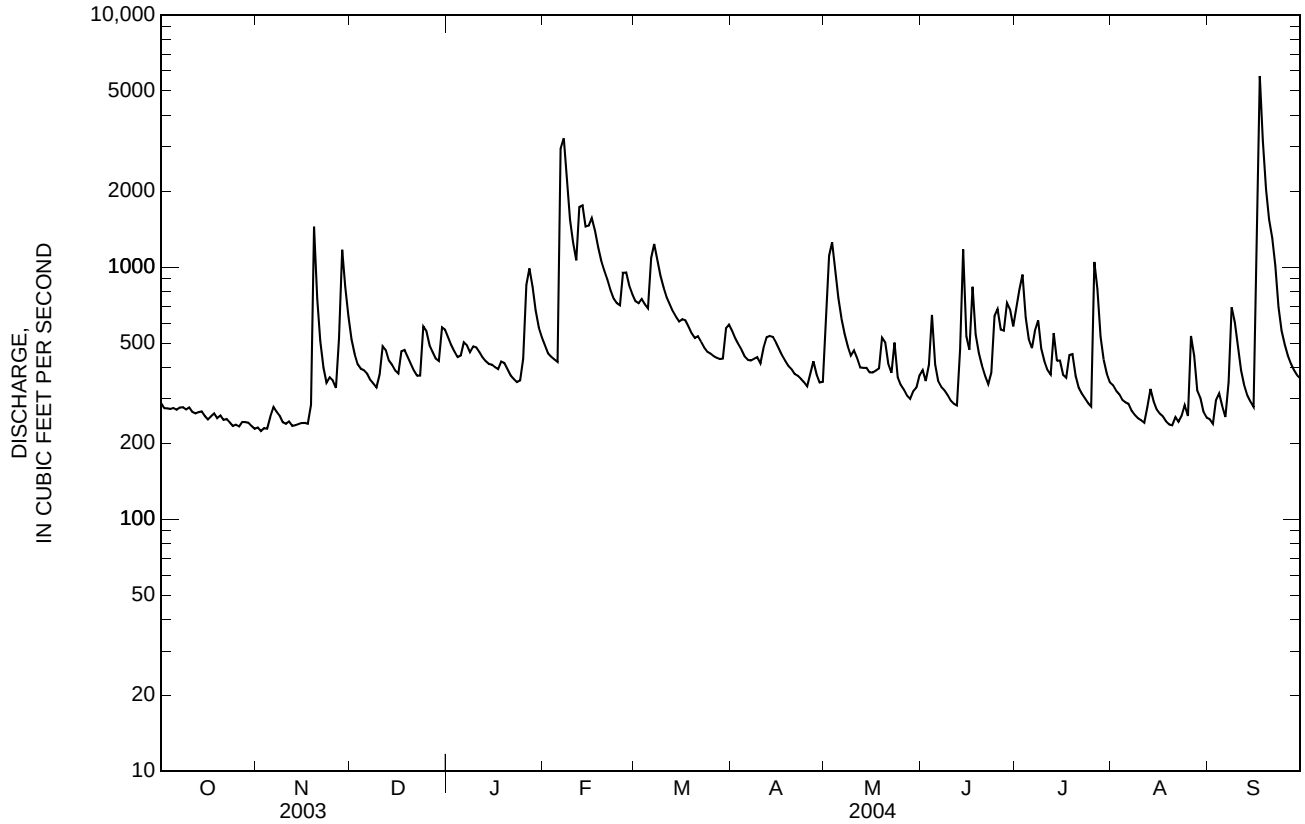


02405500 KELLY CREEK NEAR VINCENT, AL

LOCATION.--Lat 33° 26'51", long 86° 23'13", in SW $^1/_4$ 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 mi^2.

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 404.09 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: Oct. 7-14, Jan. 25, Feb. 8-13, Sept. 16-18. 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 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep. 17	---	*unknown	*unknown	No other peak greater than base discharge.			

Minimum discharge, 4.5 ft^3/s, Oct. 31, Nov. 7, gage height, 1.06 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	4.9	123	312	286	314	178	357	53	786	72	18
2	15	5.0	101	264	255	320	155	950	48	424	53	17
3	14	5.4	85	231	250	497	145	709	40	406	41	20
4	13	5.5	79	202	221	404	131	385	83	270	34	29
5	12	5.5	80	268	198	357	120	289	73	189	29	22
6	16	5.5	77	494	2,520	1,250	110	225	48	135	25	18
7	e29	4.9	67	327	3,740	1,230	105	174	39	136	26	19
8	e67	5.3	60	276	e1,260	758	125	145	34	168	22	81
9	e38	5.6	57	317	e842	577	189	118	30	117	19	62
10	e28	7.1	97	323	e619	456	139	100	28	89	17	38
11	e22	7.3	190	269	e515	368	438	88	25	71	17	29
12	e20	6.2	137	248	e1,080	319	648	78	22	60	43	34
13	e18	6.9	116	229	e919	283	570	78	698	86	63	30
14	e15	7.6	115	209	796	257	466	84	469	73	34	27
15	13	7.0	117	195	1,030	237	355	76	309	54	24	22
16	9.9	6.7	105	176	1,130	231	297	64	296	45	19	e1,900
17	9.1	7.2	134	163	795	226	257	75	240	41	17	e11,000
18	8.8	16	144	180	618	190	217	64	142	47	18	e5,300
19	8.5	31	123	183	504	171	185	60	102	42	16	888
20	8.4	31	107	154	434	156	162	60	77	34	31	522
21	8.2	38	95	138	376	190	148	56	60	29	442	349
22	7.7	33	86	130	314	158	135	47	51	26	114	271
23	7.4	27	87	124	278	141	122	42	64	24	68	209
24	6.9	29	161	120	263	130	110	38	151	22	47	161
25	6.7	37	156	e523	259	124	99	34	484	20	38	129
26	6.4	36	127	2,070	659	119	118	31	332	118	33	110
27	6.3	282	114	1,050	535	113	153	29	368	570	30	96
28	6.1	552	105	655	403	109	112	26	272	169	28	90
29	5.8	234	105	484	347	108	93	25	243	104	27	81
30	5.3	154	602	402	---	221	152	27	593	78	23	71
31	4.7	---	437	333	---	201	---	33	---	72	19	---
TOTAL	452.2	1,603.6	4,189	11,049	21,446	10,215	6,234	4,567	5,474	4,505	1,489	21,643
MEAN	14.6	53.5	135	356	740	330	208	147	182	145	48.0	721
MAX	67	552	602	2,070	3,740	1,250	648	950	698	786	442	11,000
MIN	4.7	4.9	57	120	198	108	93	25	22	20	16	17
CFSM	0.08	0.28	0.70	1.85	3.83	1.71	1.08	0.76	0.95	0.75	0.25	3.74
IN.	0.09	0.31	0.81	2.13	4.13	1.97	1.20	0.88	1.06	0.87	0.29	4.17

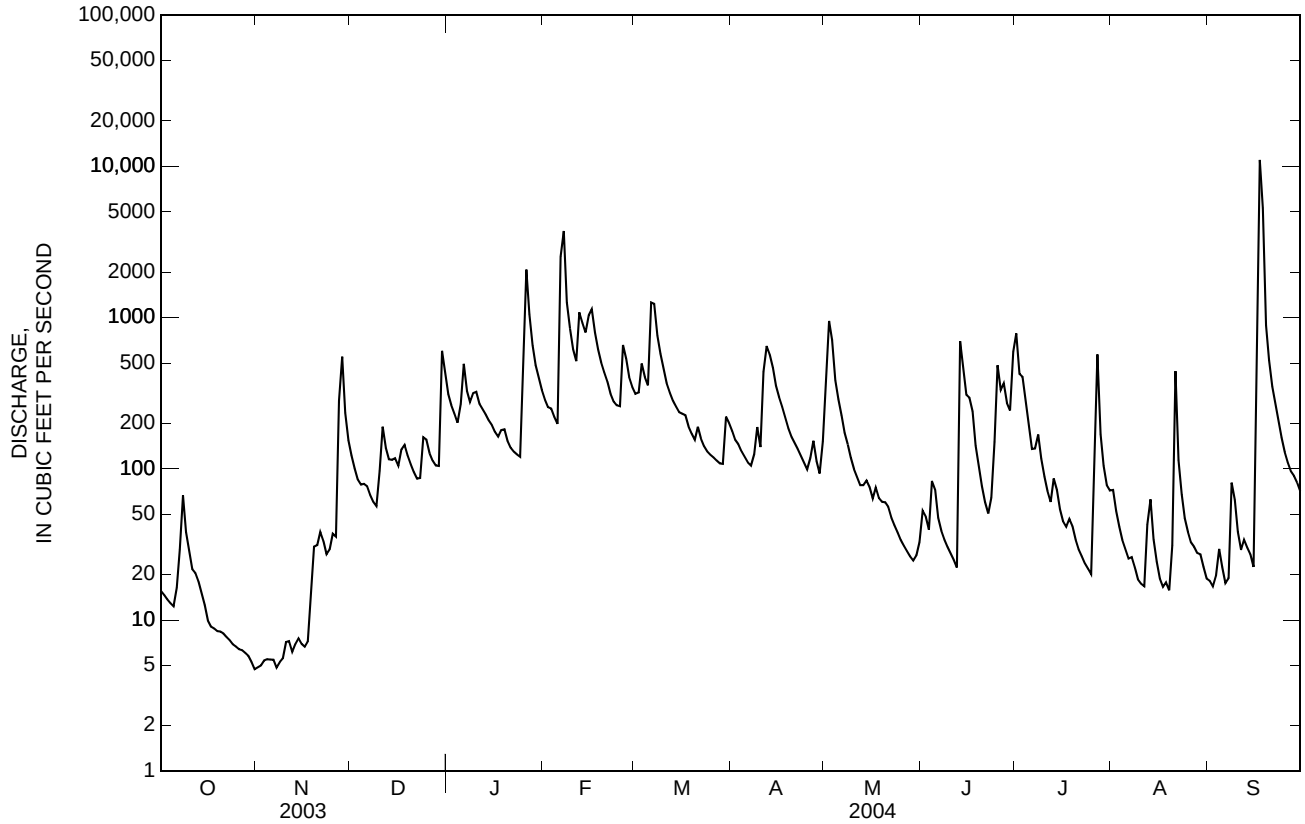
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

MEAN	73.1	177	404	661	811	785	496	238	143	109	45.9	88.2
MAX	528	911	1,814	1,466	3,422	1,623	1,301	1,714	1,187	669	168	721
(WY)	(1995)	(1993)	(1962)	(1953)	(1961)	(1970)	(1964)	(2003)	(1997)	(1989)	(1967)	(2004)
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)

02405500 KELLY CREEK NEAR VINCENT, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1952 - 2004	
ANNUAL TOTAL	168,016.4		92,866.8			
ANNUAL MEAN	460		254		334	
HIGHEST ANNUAL MEAN					597	2003
LOWEST ANNUAL MEAN					112	1988
HIGHEST DAILY MEAN	8,960	May 8	11,000	Sep 17	29,100	Feb 22, 1961
LOWEST DAILY MEAN	4.7	Oct 31	4.7	Oct 31	1.1	Oct 17, 1987
ANNUAL SEVEN-DAY MINIMUM	5.2	Oct 30	5.2	Oct 30	1.2	Oct 14, 1987
MAXIMUM PEAK FLOW					30,900	Feb 22, 1961
MAXIMUM PEAK STAGE					27.08	Feb 22, 1961
ANNUAL RUNOFF (CFSM)	2.39		1.31		1.73	
ANNUAL RUNOFF (INCHES)	32.38		17.90		23.49	
10 PERCENT EXCEEDS	940		522		782	
50 PERCENT EXCEEDS	161		108		101	
90 PERCENT EXCEEDS	9.6		14		6.3	

e Estimated



02406500 TALLADEGA CREEK AT ALPINE, AL

LOCATION.--Lat 33° 21° 34", long 86° 14° 03", in SW $^1/_4$ 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 mi^2.

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 NGVD of 1929.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	1930	2,770	11.50	Sep 17	1130	*5,320	*13.10

Minimum discharge, 73 ft^3/s, Sept. 2, gage height, 4.07 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

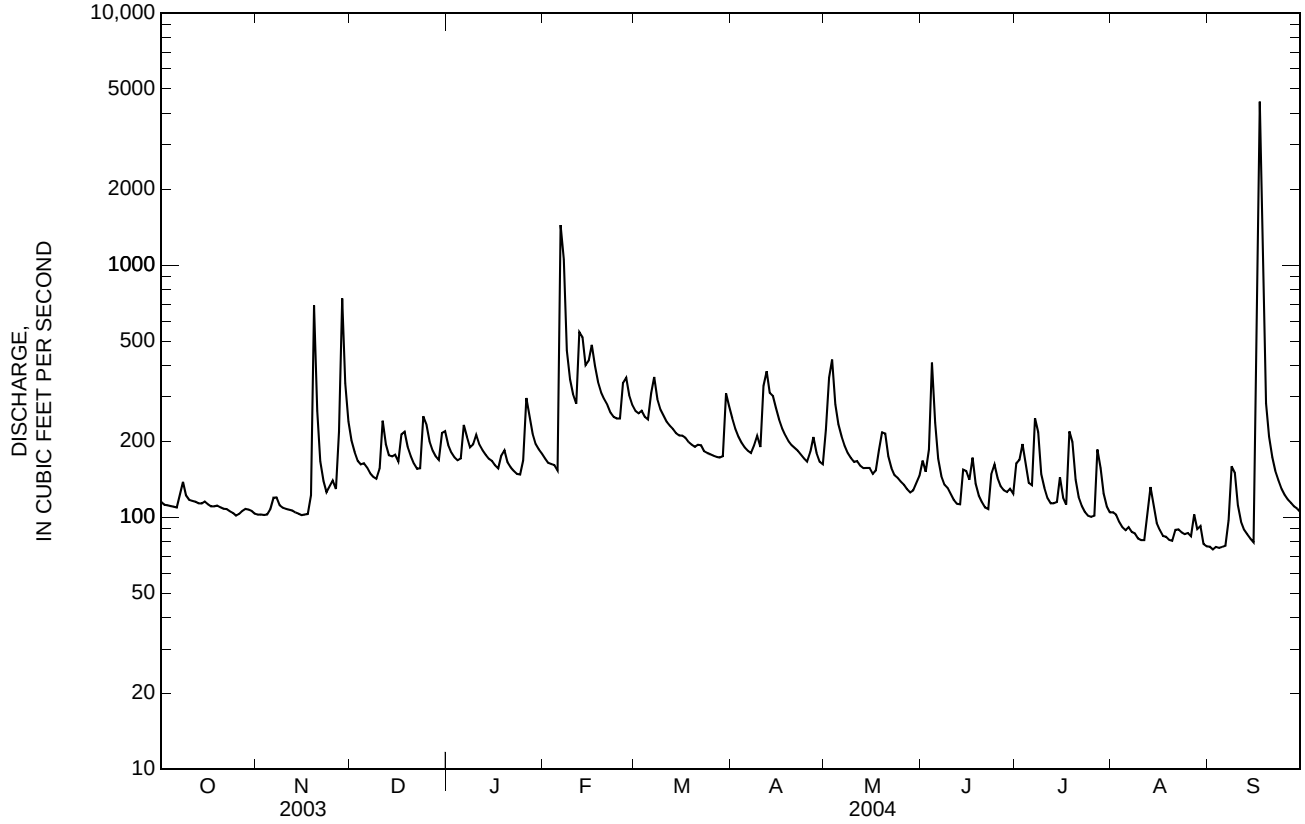
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	102	202	193	171	264	247	222	168	163	105	76
2	112	102	181	181	164	258	225	358	151	169	102	74
3	112	102	167	173	162	264	209	422	185	195	96	76
4	111	103	162	168	161	250	198	281	411	164	91	76
5	110	108	164	171	153	244	189	234	237	137	89	76
6	109	119	157	232	1,440	310	183	210	171	134	91	77
7	123	120	150	208	1,060	360	180	192	145	247	87	97
8	138	112	145	189	458	294	193	180	135	218	86	159
9	122	109	142	195	352	268	210	172	131	148	82	150
10	117	108	156	212	308	253	190	166	124	131	81	112
11	116	107	241	194	282	239	332	167	117	119	81	96
12	115	106	195	184	542	231	379	160	113	114	104	89
13	114	105	176	177	518	224	312	157	113	114	132	86
14	113	103	174	171	402	215	303	157	154	115	111	82
15	115	102	177	167	419	211	271	157	152	144	95	80
16	113	103	167	161	483	211	244	149	141	119	89	745
17	110	103	213	156	398	207	225	153	172	112	84	4,450
18	110	122	218	175	344	199	211	185	136	219	84	719
19	111	691	191	184	312	194	201	217	122	198	81	283
20	110	264	175	165	293	190	193	215	115	141	81	209
21	108	167	163	158	279	194	188	175	109	120	89	173
22	108	139	156	153	260	193	184	157	108	111	89	153
23	106	126	156	149	250	183	177	147	148	105	87	140
24	104	133	252	148	246	180	171	143	162	101	86	130
25	101	140	234	168	246	177	166	139	143	100	87	123
26	103	129	200	297	341	175	182	135	133	101	84	118
27	106	218	184	252	357	174	208	129	128	186	103	114
28	108	737	174	215	305	172	180	126	126	157	90	110
29	107	340	169	195	278	174	166	128	130	124	92	108
30	106	240	216	186	---	310	162	137	124	110	78	105
31	103	---	219	179	---	276	---	146	---	104	77	---
TOTAL	3,456	5,260	5,676	5,756	10,984	7,094	6,479	5,716	4,504	4,420	2,814	9,086
MEAN	111	175	183	186	379	229	216	184	150	143	90.8	303
MAX	138	737	252	297	1,440	360	379	422	411	247	132	4,450
MIN	101	102	142	148	153	172	162	126	108	100	77	74
CFSM	0.74	1.17	1.22	1.24	2.53	1.53	1.44	1.23	1.00	0.95	0.61	2.02
IN.	0.86	1.30	1.41	1.43	2.72	1.76	1.61	1.42	1.12	1.10	0.70	2.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1900 - 2004, BY WATER YEAR (WY)

MEAN	99.5	152	199	307	439	513	387	260	184	170	124	117
MAX	478	753	548	902	1,023	1,001	765	1,492	592	493	266	579
(WY)	(1996)	(1949)	(2003)	(1946)	(1903)	(1990)	(1944)	(2003)	(2003)	(1940)	(1904)	(1900)
MIN	46.1	65.1	65.3	111	128	145	101	54.4	57.0	51.1	46.8	45.9
(WY)	(2001)	(2000)	(2000)	(2000)	(2000)	(1988)	(1904)	(1904)	(1988)	(2000)	(1988)	(2000)

02406500 TALLADEGA CREEK AT ALPINE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1900 - 2004	
ANNUAL TOTAL	152,175		71,245			
ANNUAL MEAN	417		195		244	
HIGHEST ANNUAL MEAN					453	2003
LOWEST ANNUAL MEAN					114	1904
HIGHEST DAILY MEAN	10,600	May 8	4,450	Sep 17	18,400	Mar 29, 1951
LOWEST DAILY MEAN	101	Oct 25	74	Sep 2	20	Jun 18, 1904
ANNUAL SEVEN-DAY MINIMUM	104	Oct 29	76	Aug 31	34	Jun 21, 1904
MAXIMUM PEAK FLOW			5,320	Sep 17	39,000	Mar 29, 1951
MAXIMUM PEAK STAGE			13.10	Sep 17	16.60	Mar 29, 1951
ANNUAL RUNOFF (CFSM)	2.78		1.30		1.63	
ANNUAL RUNOFF (INCHES)	37.74		17.67		22.11	
10 PERCENT EXCEEDS	660		282		455	
50 PERCENT EXCEEDS	263		160		146	
90 PERCENT EXCEEDS	113		97		69	



02407000 COOSA RIVER AT CHILDERSBURG, AL

LOCATION.--Lat 33° 17'30", long 86° 21'50", in SE $^1/_4$ NE $^1/_4$ 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 mi^2.

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 NGVD of 1929 (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.) Gage in pool of Lay Lake.

AVERAGE DISCHARGE.--65 years (water years 1914-78), 13,860 ft^3/s, 22.43 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150,000 ft^3/s, Apr. 14, 1979; maximum gage height, 30.41 ft, Feb. 23, 1961; minimum daily discharge, 378 ft^3/s, Apr. 20, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.01 ft, Sept. 18; minimum gage height, not determined.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.97	13.61	14.17	13.88	14.07	14.27	14.06	14.41	13.80	14.10	13.70	13.79
2	13.83	13.63	14.09	14.38	14.33	14.10	14.06	14.33	13.82	14.12	13.80	13.84
3	13.89	13.72	14.00	13.94	14.19	14.20	13.90	14.54	13.78	14.10	13.72	13.81
4	13.72	13.52	14.10	13.91	14.26	14.20	13.95	14.55	13.92	13.94	13.61	13.70
5	13.70	13.71	14.05	14.18	14.04	14.13	14.05	14.07	13.88	13.84	13.67	13.46
6	13.85	13.61	13.91	14.46	14.84	14.36	14.03	14.04	13.92	13.80	13.67	13.30
7	13.94	13.79	13.90	14.40	15.75	14.85	14.03	14.10	13.84	13.92	13.60	13.27
8	13.89	13.70	14.26	14.20	16.34	14.40	14.05	13.94	13.65	13.81	13.55	13.34
9	---	13.59	14.10	14.40	16.03	14.41	13.90	13.85	13.80	13.87	13.60	13.50
10	12.55	13.82	13.76	14.11	15.78	14.31	13.98	13.96	13.84	13.83	13.70	13.77
11	12.27	13.67	13.94	13.73	15.75	14.20	13.88	14.14	13.83	13.93	13.70	13.93
12	---	13.79	14.33	13.90	16.08	14.39	13.94	13.91	13.70	13.97	13.71	13.84
13	---	13.78	14.25	13.67	15.96	13.92	14.25	13.90	13.64	13.95	13.69	14.02
14	12.55	13.77	13.83	13.89	15.45	13.80	14.10	13.93	13.58	13.95	13.68	14.44
15	12.29	13.81	14.13	14.04	14.75	14.14	14.16	13.77	13.70	13.86	13.73	14.66
16	12.29	13.95	14.24	14.10	15.18	14.15	14.01	13.83	13.74	13.80	13.74	15.18
17	12.25	14.00	14.18	13.96	15.18	14.07	14.02	13.89	13.82	13.76	13.74	16.40
18	---	14.06	14.24	13.84	14.78	13.80	14.09	14.00	13.80	13.85	13.67	16.70
19	12.26	14.22	14.31	13.93	14.71	14.10	14.02	14.20	13.89	14.02	13.70	15.94
20	12.27	14.20	13.99	13.77	14.38	14.01	14.01	13.95	13.92	13.87	13.76	15.78
21	12.36	14.16	13.77	13.95	14.20	13.96	13.97	13.71	13.97	13.83	13.78	15.28
22	12.60	13.95	14.17	13.87	14.05	14.11	14.08	13.61	13.77	13.81	13.76	14.48
23	13.14	13.94	14.13	13.88	14.27	14.13	14.16	13.76	13.67	13.76	13.82	14.39
24	13.63	14.02	14.19	13.79	14.16	14.08	13.95	13.71	13.68	13.71	13.73	14.48
25	13.78	14.12	13.89	14.24	14.55	13.98	13.85	13.87	13.88	13.59	13.81	13.88
26	13.73	14.03	14.30	15.30	14.52	14.02	13.91	13.78	13.64	13.71	13.87	13.87
27	13.97	14.03	13.86	15.22	14.24	13.94	13.99	13.75	13.80	13.87	13.83	14.07
28	13.86	13.93	13.97	15.08	14.00	13.99	14.02	13.71	14.21	14.01	13.68	13.96
29	14.09	14.23	14.17	15.00	14.15	13.97	13.93	13.61	13.99	13.97	13.66	13.79
30	13.90	14.08	14.11	14.56	---	13.99	14.10	13.64	14.38	13.86	13.78	13.79
31	13.76	---	14.35	14.41	---	13.90	---	13.68	---	13.70	13.78	---
MEAN	---	13.88	14.09	14.19	14.83	14.13	14.02	13.94	13.83	13.87	13.72	14.29
MAX	---	14.23	14.35	15.30	16.34	14.85	14.25	14.55	14.38	14.12	13.87	16.70
MIN	---	13.52	13.76	13.67	14.00	13.80	13.85	13.61	13.58	13.59	13.55	13.27

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 mi^2.

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 NGVD of 1929.

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). Gage in pool of Lay Lake.

EXTREMES FOR PERIOD SINCE OCTOBER 1993.--Maximum gage height, 18.25 ft, May 9, 2003; minimum gage height, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.01 ft, Feb. 8; minimum gage height, 12.20 ft, Oct. 9.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.62	13.33	13.43	13.63	13.40	13.64	13.59	13.73	13.50	13.53	13.49	13.55
2	13.46	13.36	13.48	13.69	13.54	13.48	13.49	13.80	13.57	13.57	13.52	13.60
3	13.50	13.33	13.45	13.60	13.50	13.48	13.55	13.86	13.53	13.50	13.42	13.48
4	13.44	13.14	13.50	13.67	13.48	13.53	13.63	13.76	13.69	13.50	13.33	13.31
5	13.39	13.27	13.40	13.64	13.38	13.62	13.73	13.64	13.66	13.39	13.36	13.19
6	13.45	13.23	13.46	13.68	13.93	13.61	13.73	13.72	13.68	13.42	13.40	13.04
7	13.61	13.31	13.58	13.55	14.33	13.93	13.73	13.76	13.64	13.41	13.42	12.96
8	13.40	13.42	13.68	13.45	14.77	13.44	13.80	13.66	13.48	13.34	13.34	13.02
9	---	13.29	13.46	13.57	14.26	13.51	13.64	13.56	13.58	13.42	13.39	13.21
10	---	13.35	13.23	13.45	14.04	13.52	13.68	13.61	13.64	13.40	13.49	13.47
11	---	13.34	13.26	13.25	14.03	13.45	13.62	13.73	13.64	13.53	13.47	13.59
12	---	13.44	13.61	13.32	14.30	13.62	13.61	13.54	13.52	13.50	13.46	13.58
13	---	13.41	13.42	13.28	14.14	13.50	13.79	13.47	13.44	13.57	13.43	13.47
14	---	13.40	13.42	13.52	13.79	13.54	13.65	13.53	13.22	13.53	13.45	13.65
15	---	13.51	13.47	13.63	13.45	13.71	13.60	13.45	13.41	13.50	13.52	13.31
16	---	13.67	13.64	13.61	13.97	13.71	13.61	13.50	13.55	13.44	13.54	13.65
17	---	13.64	13.55	13.63	13.95	13.67	13.70	13.59	13.59	13.47	13.53	14.16
18	---	13.65	13.53	13.58	13.77	13.55	13.82	13.68	13.64	13.60	13.48	14.47
19	---	13.62	13.45	13.53	13.80	13.49	13.70	13.76	13.76	13.66	13.43	14.15
20	---	13.55	13.41	13.35	13.60	13.56	13.73	13.57	13.79	13.60	13.40	14.10
21	---	13.58	13.42	13.41	13.59	13.64	13.68	13.35	13.82	13.58	13.53	13.81
22	---	13.49	13.54	13.41	13.65	13.73	13.74	13.35	13.70	13.53	13.51	13.43
23	12.71	13.23	13.56	13.43	13.65	13.75	13.70	13.51	13.67	13.52	13.54	13.38
24	13.22	13.31	13.53	13.45	13.62	13.79	13.66	13.40	13.60	13.47	13.43	13.72
25	13.47	13.33	13.54	13.46	13.67	13.67	13.58	13.58	13.65	13.40	13.45	13.43
26	13.45	13.40	13.60	13.86	13.75	13.71	13.58	13.51	13.38	13.43	13.42	13.38
27	13.53	13.57	13.54	13.85	13.77	13.68	13.67	13.44	13.63	13.51	13.42	13.41
28	13.45	13.36	13.65	13.77	13.63	13.73	13.71	13.43	13.68	13.68	13.38	13.37
29	13.54	13.38	13.60	13.87	13.74	13.69	13.63	13.35	13.47	13.65	13.40	13.25
30	13.48	13.42	13.51	13.57	---	13.70	13.63	13.37	13.61	13.57	13.49	13.27
31	13.40	---	13.63	13.50	---	13.60	---	13.38	---	13.49	13.51	---
MEAN	---	13.41	13.50	13.56	13.81	13.62	13.67	13.57	13.59	13.51	13.45	13.51
MAX	---	13.67	13.68	13.87	14.77	13.93	13.82	13.86	13.82	13.68	13.54	14.47
MIN	---	13.14	13.23	13.25	13.38	13.44	13.49	13.35	13.22	13.34	13.33	12.96

02408540 HATCHET CREEK BELOW ROCKFORD, AL

LOCATION.--Lat 32° 55'00", long 86° 16'13", in SE $^1/_4$ SE $^1/_4$ sec. 4, T. 22 N., R. 18 E., Coosa County, Hydrologic Unit 03150107, on downstream side of pier near right bank of bridge on county road, 2.1 mi downstream from Jack Creek, and 4 mi northwest of Rockford.

DRAINAGE AREA.--263 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 377 ft above NGVD of 1929, from topographic map.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 16	2200	*8,350	*14.81	No other peak greater than base discharge.			

Minimum discharge, 48 ft^3/s, Aug. 10, gage height, 2.13 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

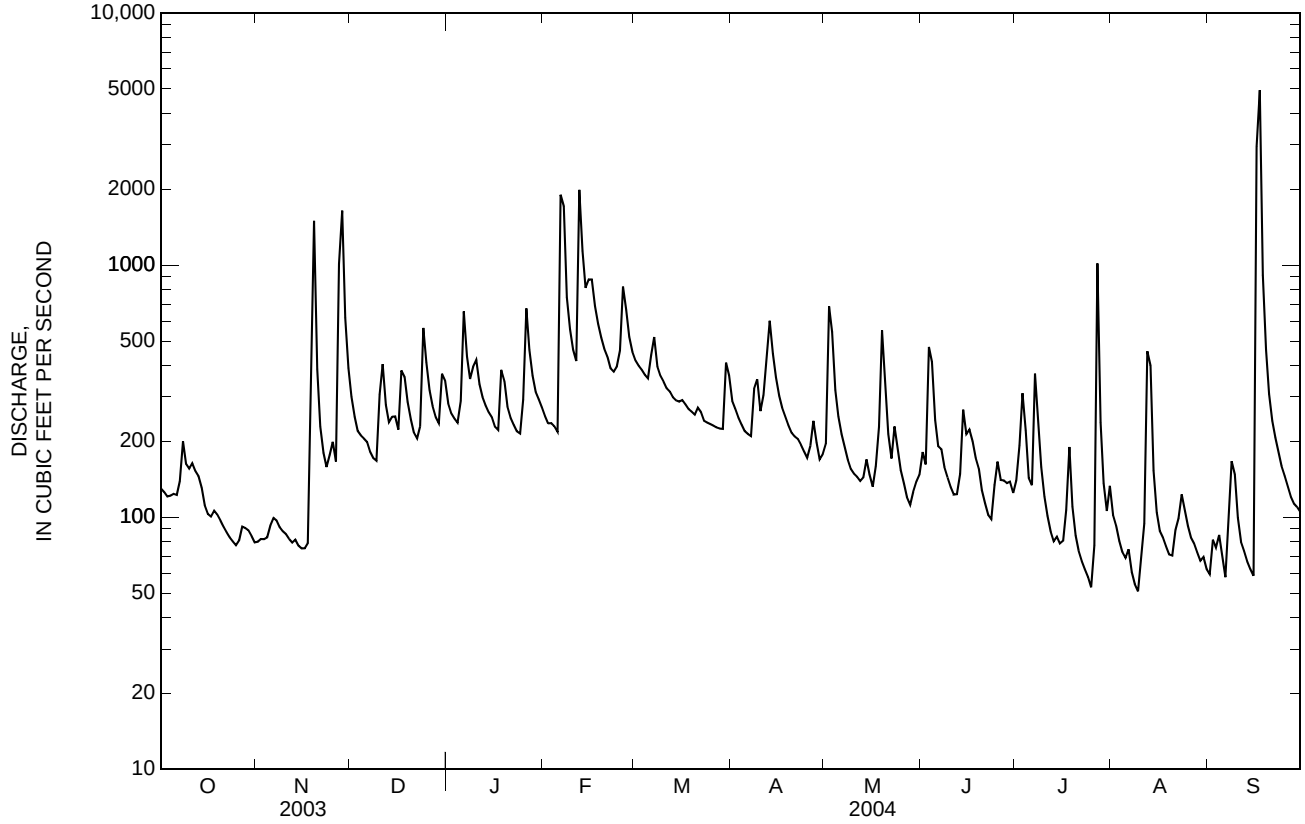
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	80	300	282	252	419	289	196	181	140	102	59
2	126	82	251	258	236	399	270	685	162	193	93	81
3	121	82	220	246	236	385	248	542	473	310	80	76
4	122	83	211	237	229	367	234	320	413	221	73	85
5	124	93	205	289	218	355	220	251	243	143	69	70
6	122	99	199	655	1,900	440	214	214	191	134	75	58
7	139	97	182	434	1,710	519	210	191	186	371	61	96
8	200	91	172	353	746	396	324	169	158	246	54	167
9	163	88	168	396	556	364	353	156	144	158	51	148
10	156	86	307	421	463	345	264	149	132	121	70	99
11	164	82	405	337	416	325	305	145	123	101	94	80
12	152	79	279	300	1,990	315	443	139	123	88	455	73
13	146	81	238	277	1,140	299	602	144	148	80	399	67
14	131	77	250	261	814	291	444	170	267	84	153	62
15	112	75	251	249	877	287	358	148	214	79	104	59
16	103	75	223	229	878	291	304	132	223	81	88	2,950
17	101	79	382	222	688	280	272	160	200	107	83	4,940
18	106	234	361	384	587	269	250	228	173	190	77	912
19	102	1,500	286	347	516	263	232	551	156	110	71	462
20	97	387	245	274	467	255	216	338	128	85	70	308
21	92	229	217	248	433	272	209	214	114	74	89	241
22	87	180	205	232	390	261	204	171	102	67	99	207
23	83	158	229	219	378	241	194	229	98	62	123	181
24	80	177	563	215	396	237	182	185	134	58	106	160
25	77	199	411	292	458	234	172	154	166	53	92	146
26	81	166	319	673	821	231	192	136	141	77	83	133
27	92	1,010	276	460	664	227	241	120	140	1,020	79	120
28	91	1,640	249	364	520	225	197	112	137	238	73	113
29	89	619	236	315	452	224	170	126	138	136	67	110
30	84	391	371	294	---	410	178	139	125	106	70	105
31	80	---	349	273	---	366	---	148	---	133	62	---
TOTAL	3,553	8,319	8,560	10,036	19,431	9,792	7,991	6,762	5,333	5,066	3,265	12,368
MEAN	115	277	276	324	670	316	266	218	178	163	105	412
MAX	200	1,640	563	673	1,990	519	602	685	473	1,020	455	4,940
MIN	77	75	168	215	218	224	170	112	98	53	51	58
CFSM	0.44	1.05	1.05	1.23	2.55	1.20	1.01	0.83	0.68	0.62	0.40	1.57
IN.	0.50	1.18	1.21	1.42	2.75	1.39	1.13	0.96	0.75	0.72	0.46	1.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)

MEAN	149	268	441	541	804	798	626	366	278	245	166	160
MAX	1,026	1,025	1,677	1,208	2,074	2,007	1,796	1,501	950	868	684	883
(WY)	(1996)	(1993)	(1984)	(1990)	(1990)	(1990)	(1983)	(2003)	(2003)	(2003)	(1984)	(1988)
MIN	18.5	53.2	101	117	201	216	124	85.6	48.2	21.7	18.3	28.8
(WY)	(2001)	(1982)	(1991)	(1981)	(1986)	(1988)	(1986)	(2000)	(2000)	(2000)	(2000)	(2000)

02408540 HATCHET CREEK BELOW ROCKFORD, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004	
ANNUAL TOTAL	227,020		100,476			
ANNUAL MEAN	622		275		401	
HIGHEST ANNUAL MEAN					700	2003
LOWEST ANNUAL MEAN					126	1986
HIGHEST DAILY MEAN	8,150	May 8	4,940	Sep 17	19,500	Oct 5, 1995
LOWEST DAILY MEAN	75	Nov 15	51	Aug 9	4.4	Aug 27, 2000
ANNUAL SEVEN-DAY MINIMUM	78	Nov 11	65	Aug 4	4.9	Aug 22, 2000
MAXIMUM PEAK FLOW			8,350	Sep 16	27,800	Oct 5, 1995
MAXIMUM PEAK STAGE			14.81	Sep 16	27.90	Oct 5, 1995
ANNUAL RUNOFF (CFSM)	2.36		1.04		1.53	
ANNUAL RUNOFF (INCHES)	32.11		14.21		20.73	
10 PERCENT EXCEEDS	1,180		459		815	
50 PERCENT EXCEEDS	411		199		212	
90 PERCENT EXCEEDS	122		80		60	



02411000 COOSA RIVER AT JORDAN DAM NEAR WETUMPKA, AL

LOCATION.--Lat 32° 36'50", long 86° 15'18", in SE $^1/_4$ NW $^1/_4$ 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 mi^2.

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. WDR AL-92-1: 1991. WRD AL-01-1: 2000.

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

REMARKS.--No estimated daily discharges. Records good. Prior to June 30, 1967, and Feb. 10, 1975, to Aug. 14, 1980, daily discharge above 100 ft^3/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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

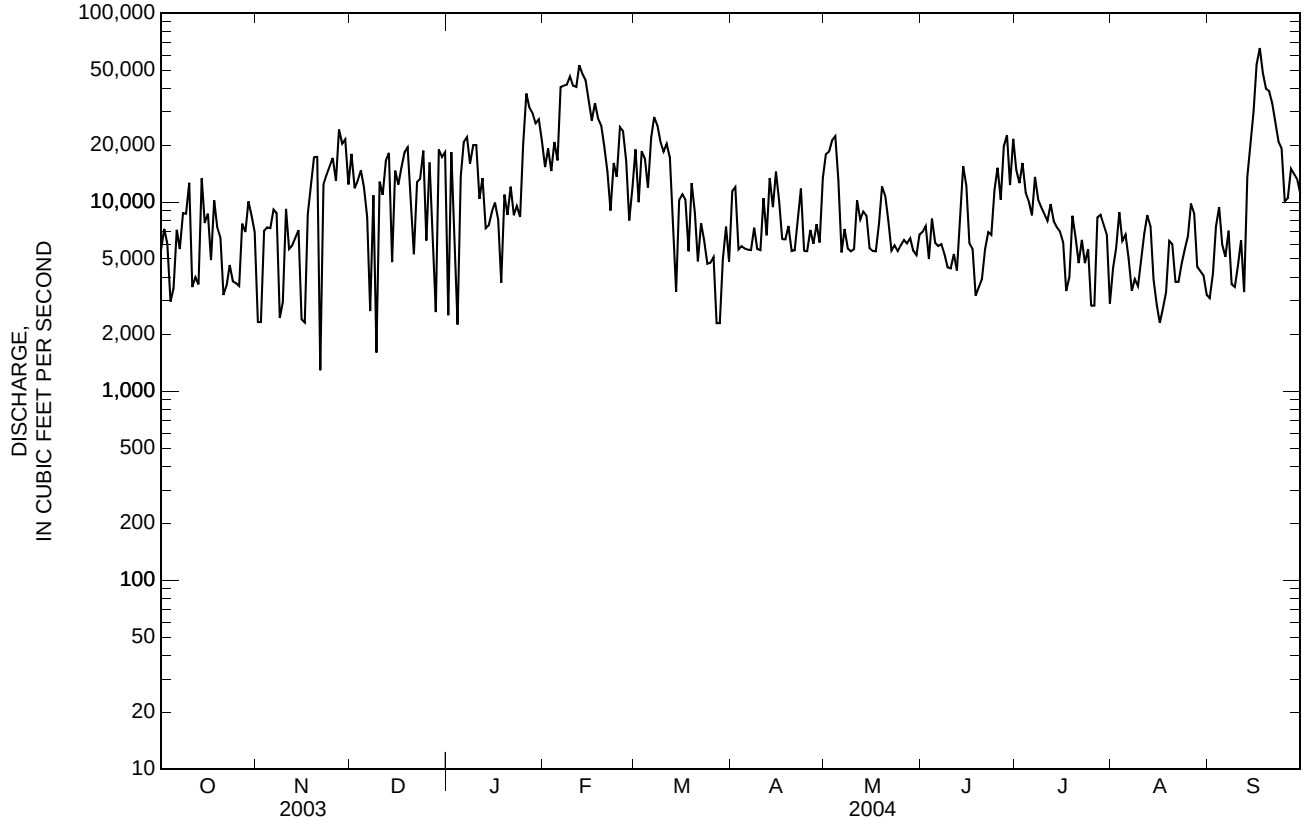
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,620	2,320	18,000	2,520	15,300	19,000	11,400	17,900	6,970	14,800	4,480	3,110
2	7,220	2,320	11,800	18,300	19,200	10,000	12,000	18,500	7,470	12,600	5,700	4,170
3	6,020	7,030	13,000	5,970	14,600	18,600	5,620	21,200	5,000	16,100	8,840	7,430
4	2,980	7,350	14,700	2,250	20,800	17,000	5,850	22,300	8,170	11,200	6,220	9,410
5	3,500	7,280	12,000	13,700	16,600	11,900	5,680	13,100	6,100	10,100	6,720	5,970
6	7,130	9,130	8,360	20,800	40,500	21,900	5,600	5,420	5,860	8,510	5,040	5,140
7	5,650	8,770	2,650	22,100	41,300	28,200	5,580	7,200	6,000	13,600	3,400	7,070
8	8,730	2,440	10,900	15,900	41,800	25,500	7,320	5,680	5,320	10,300	3,920	3,680
9	8,680	2,960	1,600	20,000	46,200	20,900	5,640	5,490	4,510	9,420	3,600	3,560
10	12,600	9,210	12,800	20,000	41,300	18,500	5,570	5,640	4,460	8,640	4,820	4,580
11	3,550	5,640	10,900	10,400	40,600	20,300	10,500	10,200	5,310	7,970	6,820	6,280
12	4,010	5,900	16,600	13,400	53,000	17,200	6,670	8,080	4,340	9,760	8,530	3,340
13	3,670	6,470	18,200	7,280	47,700	8,880	13,400	8,900	8,530	7,940	7,460	13,600
14	13,400	7,110	4,810	7,540	44,200	3,360	9,400	8,460	15,500	7,360	3,890	20,200
15	7,750	2,400	14,700	8,910	34,600	10,200	14,500	5,700	12,200	6,990	2,860	30,100
16	8,680	2,310	12,400	9,940	27,000	11,000	10,100	5,510	6,050	6,140	2,300	53,400
17	4,940	8,660	15,200	8,050	33,400	10,300	6,370	5,490	5,650	3,390	2,750	65,200
18	10,200	12,400	18,400	3,750	27,800	5,490	6,360	7,690	3,200	4,020	3,330	48,200
19	7,370	17,300	19,500	10,900	25,400	12,600	7,480	12,100	3,540	8,460	6,230	39,800
20	6,490	17,400	10,800	8,550	19,700	8,840	5,520	10,800	3,900	6,470	6,000	38,700
21	3,230	1,290	5,300	12,100	14,400	4,860	5,570	8,020	5,630	4,760	3,790	33,200
22	3,630	12,400	12,800	8,520	9,030	7,730	8,310	5,540	6,940	6,310	3,790	26,200
23	4,650	13,900	13,300	9,530	16,100	6,290	11,800	5,900	6,700	4,760	4,750	20,900
24	3,810	15,500	18,700	8,360	13,600	4,730	5,520	5,500	11,600	5,640	5,620	19,300
25	3,730	17,100	6,260	20,200	24,900	4,770	5,500	5,900	15,200	2,830	6,620	10,100
26	3,600	13,000	16,200	37,500	23,800	5,120	7,120	6,310	10,300	2,840	9,820	10,500
27	7,700	24,200	5,890	31,600	16,500	2,290	6,020	6,060	19,700	8,290	8,710	15,000
28	6,960	20,400	2,620	29,500	8,000	2,290	7,640	6,440	22,600	8,560	4,550	14,100
29	10,100	21,500	19,000	26,100	11,900	4,970	6,120	5,540	12,300	7,630	4,310	13,200
30	8,450	12,400	17,300	27,400	---	7,410	13,400	5,240	21,600	6,730	4,100	11,100
31	6,940	---	18,400	21,100	---	4,850	---	6,730	---	2,910	3,240	---
TOTAL	200,990	296,090	383,090	462,170	789,230	354,980	237,560	272,540	260,650	245,030	162,210	546,540
MEAN	6,484	9,870	12,360	14,910	27,210	11,450	7,919	8,792	8,688	7,904	5,233	18,220
MAX	13,400	24,200	19,500	37,500	53,000	28,200	14,500	22,300	22,600	16,100	9,820	65,200
MIN	2,980	1,290	1,600	2,250	8,000	2,290	5,500	5,240	3,200	2,830	2,300	3,110
CFSM	0.64	0.98	1.22	1.48	2.69	1.13	0.78	0.87	0.86	0.78	0.52	1.80
IN.	0.74	1.09	1.41	1.70	2.91	1.31	0.87	1.00	0.96	0.90	0.60	2.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2004, BY WATER YEAR (WY)

MEAN	6,868	10,230	16,940	24,950	29,150	32,530	26,650	15,530	9,771	8,945	7,109	6,312
MAX	29,100	57,080	72,980	66,360	75,180	82,160	82,520	57,920	30,790	29,400	20,680	21,370
(WY)	(1996)	(1930)	(1933)	(1937)	(1990)	(1929)	(1979)	(2003)	(1989)	(2003)	(1984)	(1975)
MIN	2,128	2,547	4,054	4,237	7,437	7,516	4,452	2,384	2,688	2,071	2,577	2,307
(WY)	(1936)	(1940)	(1934)	(1956)	(2000)	(1988)	(1986)	(1986)	(1988)	(1988)	(1986)	(1931)

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1913 - 2004	
ANNUAL TOTAL	7,887,520		4,211,080			
ANNUAL MEAN	21,610		11,510		16,230	
HIGHEST ANNUAL MEAN					25,910	1949
LOWEST ANNUAL MEAN					5,402	1986
HIGHEST DAILY MEAN	122,000	May 9	65,200	Sep 17	256,000	Apr 8, 1938
LOWEST DAILY MEAN	1,290	Nov 21	1,290	Nov 21	54	Oct 15, 1938
ANNUAL SEVEN-DAY MINIMUM	4,070	Sep 28	3,890	Aug 15	1,270	Oct 7, 1971
MAXIMUM PEAK FLOW					316,000	Apr 13, 1979
MAXIMUM PEAK STAGE					47.67	Apr 13, 1979
ANNUAL RUNOFF (CFSM)	2.14		1.14		1.61	
ANNUAL RUNOFF (INCHES)	29.05		15.51		21.83	
10 PERCENT EXCEEDS	49,300		21,700		38,600	
50 PERCENT EXCEEDS	15,300		8,340		9,760	
90 PERCENT EXCEEDS	5,020		3,620		3,080	



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

LOCATION.--Lat 32° 32'13", long 86° 12'32", in SE $^1/_4$ 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 mi^2.

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 NGVD of 1929 (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, 29.49 ft, Sept. 17; minimum gage height, 10.31 ft, Oct. 7, 14.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.10	12.04	15.48	12.66	13.45	14.85	12.71	13.45	12.95	14.28	11.86	12.20
2	12.27	12.13	14.34	13.71	14.16	14.54	13.23	13.60	12.96	13.73	12.17	11.86
3	12.06	12.36	14.04	13.12	14.29	14.31	11.66	15.02	12.58	14.17	12.47	12.70
4	11.75	12.56	14.24	11.94	14.68	14.04	11.50	14.84	12.89	14.07	12.40	13.58
5	11.95	12.72	14.25	13.06	14.36	12.82	11.49	13.67	12.77	13.74	12.26	12.92
6	12.40	13.20	13.74	14.74	18.65	13.92	11.50	12.08	12.49	12.70	11.64	12.89
7	12.48	13.01	12.12	15.27	21.11	15.80	11.99	11.46	12.37	13.34	11.46	12.84
8	12.17	12.29	13.32	14.71	21.86	15.96	12.64	11.62	12.22	13.11	11.08	12.47
9	11.91	12.13	14.31	14.49	22.66	14.38	12.60	11.83	12.07	12.56	10.98	12.47
10	12.92	12.91	13.76	14.67	21.50	13.72	12.08	12.19	11.90	12.28	11.28	12.54
11	11.93	12.64	13.77	13.72	20.36	14.20	12.71	12.67	11.84	12.36	12.26	12.97
12	11.43	12.31	14.52	13.41	22.28	14.09	12.31	12.80	11.79	12.93	13.15	12.45
13	11.27	12.08	14.95	12.57	23.80	12.91	13.25	12.41	12.09	12.84	12.55	12.95
14	12.46	12.09	12.80	12.42	22.97	11.78	12.73	12.44	14.01	12.52	12.10	13.89
15	12.79	11.68	13.81	12.42	21.32	12.70	13.19	11.85	13.87	12.54	11.72	---
16	12.97	12.03	13.49	13.05	18.78	13.15	12.64	11.72	12.86	12.25	11.56	---
17	12.42	12.45	14.30	12.93	19.18	12.96	12.03	12.17	12.52	11.96	11.36	28.19
18	13.00	13.18	14.67	12.34	18.81	12.34	11.88	12.63	12.58	12.01	11.17	26.16
19	12.50	15.16	15.05	13.25	17.11	12.94	12.36	13.51	12.26	12.71	11.77	24.06
20	12.34	15.79	13.58	13.48	15.65	12.95	12.05	13.44	11.98	12.75	12.37	21.89
21	11.89	15.36	12.40	13.45	13.15	12.58	11.85	13.33	12.28	12.40	12.61	19.86
22	11.71	14.52	13.31	13.26	12.06	12.41	12.30	12.58	12.71	12.17	12.47	17.58
23	12.01	14.43	13.89	13.12	12.88	12.17	13.25	12.61	12.38	12.00	12.29	15.55
24	12.26	14.81	15.53	12.45	13.43	11.56	11.98	12.32	13.16	12.27	12.26	14.56
25	12.36	15.00	14.00	13.96	15.54	11.46	11.71	11.98	13.86	12.32	12.45	12.86
26	12.18	14.25	13.47	18.59	17.38	11.77	11.58	11.57	13.21	12.86	13.04	11.94
27	12.18	14.53	13.12	18.04	15.76	11.67	11.59	11.43	13.55	12.97	13.23	13.05
28	12.24	16.65	12.49	17.69	14.56	11.99	11.95	11.79	15.35	12.67	12.43	13.55
29	12.27	17.10	14.29	16.77	13.60	12.02	11.97	11.85	13.00	12.47	12.38	13.71
30	12.59	15.99	14.62	17.15	---	12.19	12.93	12.14	14.52	12.17	11.93	12.93
31	12.45	---	14.89	15.08	---	12.06	---	12.54	---	11.72	12.09	---
MEAN	12.20	13.58	13.95	14.11	17.43	13.10	12.26	12.57	12.83	12.74	12.09	---
MAX	13.00	17.10	15.53	18.59	23.80	15.96	13.25	15.02	15.35	14.28	13.23	---
MIN	11.10	11.68	12.12	11.94	12.06	11.46	11.49	11.43	11.79	11.72	10.98	---

02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA

LOCATION.--Lat 33° 44'27", long 85° 20'11", Haralson County, Hydrologic Unit 03150108, at bridge on U.S. Highway 78, 0.4 mi upstream from Walker Creek, and 2.7 mi west of Tallapoosa, Georgia, and at mile 216.5.

DRAINAGE AREA.--272 mi^2.

PERIOD OF RECORD.-- December 1999 to September 2004 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 910 ft above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: June 9-10, and Sept. 4. Records fair.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 19	0630	3,580	12.74	Sep 17	0600	*4,500	*15.37
Feb 6	1800	3,240	11.74				

Minimum discharge, 72 ft^3/s, Sept. 1, 7, gage height, 1.37 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

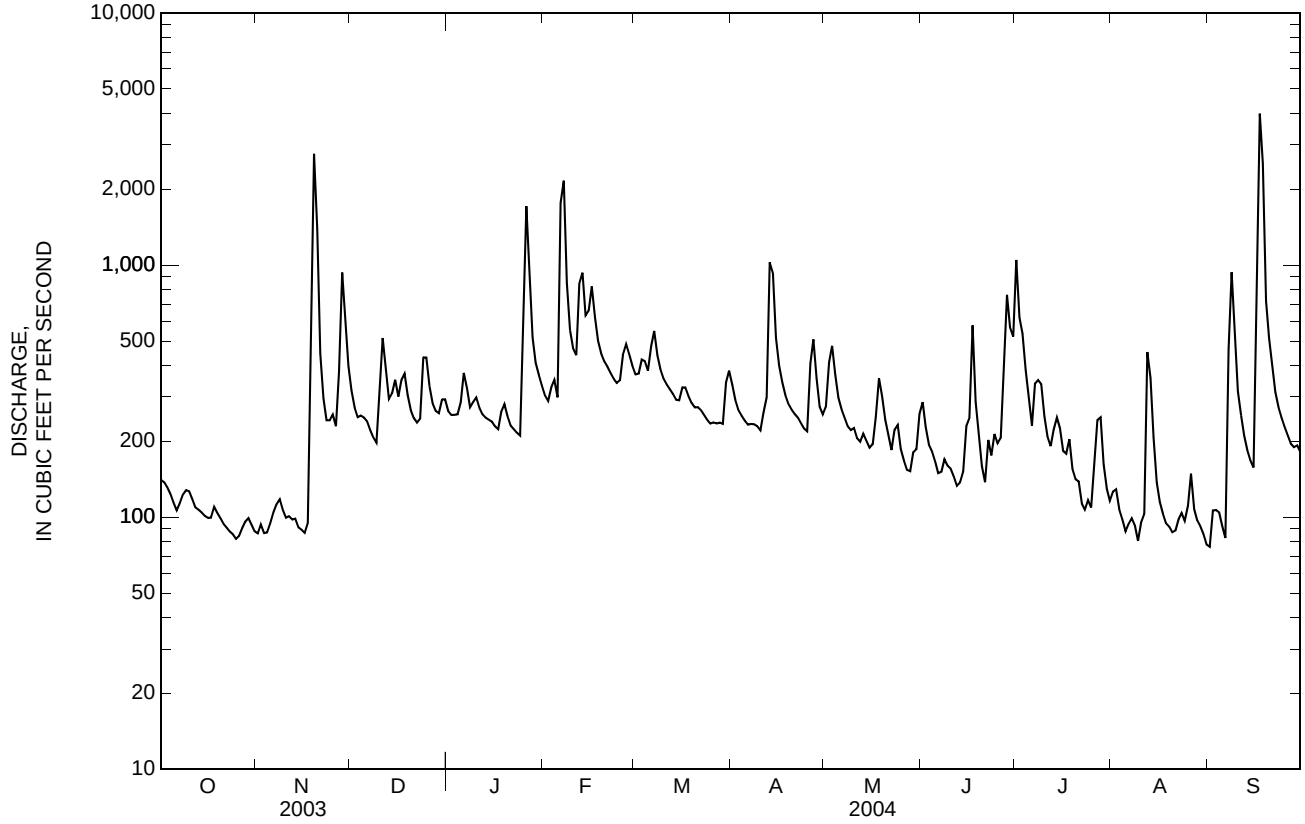
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	86	318	264	304	369	335	274	286	1,050	126	76
2	137	94	272	255	289	372	292	411	228	619	129	106
3	131	87	249	255	328	422	265	479	194	535	107	107
4	124	87	253	256	351	416	253	366	183	382	98	104
5	114	95	249	286	299	381	242	299	166	303	88	92
6	107	105	240	374	1,760	477	233	268	149	231	94	83
7	114	113	222	325	2,160	548	235	249	152	339	99	465
8	123	118	207	273	852	439	234	229	170	350	93	936
9	128	107	197	287	551	386	230	222	160	337	81	526
10	127	100	301	299	469	354	221	226	156	251	95	316
11	118	101	514	272	440	337	260	206	145	209	103	254
12	109	98	377	256	843	322	299	199	133	191	452	211
13	107	99	294	248	933	308	1,030	215	138	223	357	185
14	104	91	311	244	632	292	930	201	151	249	207	168
15	101	89	351	239	662	291	515	189	230	225	137	158
16	99	87	301	230	823	327	398	195	247	183	115	843
17	100	95	350	224	621	327	345	250	577	179	103	3,990
18	110	283	371	262	501	302	305	356	287	204	95	2,530
19	104	2,760	306	281	446	284	281	303	213	156	92	721
20	99	1,390	266	252	416	273	267	244	160	141	87	514
21	94	446	247	231	396	273	257	213	138	139	89	396
22	91	295	237	224	373	265	249	185	203	113	98	314
23	88	242	246	216	354	255	236	222	176	107	104	274
24	85	243	430	211	341	243	225	233	214	117	97	249
25	82	255	430	535	350	235	219	187	197	109	111	228
26	84	230	330	1,710	442	237	406	168	207	166	149	211
27	90	377	284	878	486	236	507	154	374	243	108	196
28	96	935	264	516	443	237	355	152	763	249	97	190
29	99	631	259	411	399	235	275	181	567	162	92	193
30	93	397	293	367	---	343	256	186	521	130	86	182
31	88	---	293	333	---	381	---	257	---	116	78	---
TOTAL	3,287	10,136	9,262	11,014	17,264	10,167	10,155	7,519	7,485	8,008	3,867	14,818
MEAN	106	338	299	355	595	328	338	243	250	258	125	494
MAX	141	2,760	514	1,710	2,160	548	1,030	479	763	1,050	452	3,990
MIN	82	86	197	211	289	235	219	152	133	107	78	76
CFSM	0.39	1.24	1.10	1.31	2.19	1.21	1.24	0.89	0.92	0.95	0.46	1.82
IN.	0.45	1.39	1.27	1.51	2.36	1.39	1.39	1.03	1.02	1.10	0.53	2.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	102	290	374	352	430	541	415	457	246	244	122	222
MAX	239	562	939	434	625	900	579	1,392	541	732	319	494
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2001)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	14.8	56.4	128	245	260	328	298	112	48.9	17.2	22.8	18.7
(WY)	(2001)	(2002)	(2002)	(2000)	(2002)	(2004)	(2002)	(2000)	(2000)	(2000)	(2000)	(2000)

02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	191,019		112,982			
ANNUAL MEAN	523		309		347	
HIGHEST ANNUAL MEAN					607	2003
LOWEST ANNUAL MEAN					209	2002
HIGHEST DAILY MEAN	5,400	May 7	3,990	Sep 17	5,400	May 7, 2003
LOWEST DAILY MEAN	82	Oct 25	76	Sep 1	6.1	Jul 23, 2000
ANNUAL SEVEN-DAY MINIMUM	88	Oct 21	88	Oct 21	7.2	Jul 22, 2000
MAXIMUM PEAK FLOW			4,500	Sep 17	6,090	May 6, 2003
MAXIMUM PEAK STAGE			15.37	Sep 17	19.25	May 6, 2003
ANNUAL RUNOFF (CFSM)	1.92		1.13		1.28	
ANNUAL RUNOFF (INCHES)	26.12		15.45		17.36	
10 PERCENT EXCEEDS	782		514		657	
50 PERCENT EXCEEDS	409		243		229	
90 PERCENT EXCEEDS	110		98		47	



02412000 TALLAPOOSA RIVER NEAR HEFLIN, AL

LOCATION.--Lat 33° 37'22", long 85° 30'48", in NW 1/4 NW 1/4 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 mi^2.

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: Jan. 29 - Feb. 3; May 27, 28; June 16-18, 28-30; July 9-14, 18-20; Aug. 22-24. Records good. Slight diurnal fluctuation caused 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 19	2000	4,670	13.12	Sep 18	0030	*5,660	*15.18
Feb 7	0830	4,870	13.55				

Minimum discharge, 110 ft^3/s, Sept. 1, gage height, 2.51 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	216	180	563	457	e483	585	570	399	422	1,600	222	113
2	207	177	480	425	e434	577	499	698	342	951	204	113
3	203	175	436	416	473	648	454	802	298	839	190	162
4	198	175	431	413	514	653	425	615	286	548	160	146
5	197	188	435	445	477	605	402	476	252	407	145	131
6	194	211	419	572	2,000	701	387	415	225	331	154	122
7	198	221	395	547	4,250	877	380	376	209	344	147	363
8	212	221	376	471	1,890	732	385	344	235	528	138	1,390
9	226	221	361	469	953	620	383	322	231	e441	128	932
10	227	208	475	490	768	569	367	332	217	e357	119	485
11	223	200	741	463	699	533	405	312	205	e289	179	335
12	216	198	683	432	1,310	513	491	294	191	e274	403	264
13	211	194	522	414	1,640	493	1,820	311	186	e300	767	222
14	206	190	527	404	1,140	478	1,550	298	212	e383	361	202
15	202	187	551	398	1,070	464	938	280	225	319	243	185
16	194	188	524	386	1,330	479	650	317	e315	261	194	1,290
17	190	195	546	376	1,120	523	545	337	e822	247	175	5,160
18	199	637	595	419	867	488	486	432	e420	e300	161	4,830
19	205	4,230	537	456	753	456	448	559	315	e232	147	1,490
20	198	2,790	467	430	688	440	421	380	249	e227	138	714
21	191	999	427	392	652	437	403	311	225	207	140	512
22	184	556	406	374	605	426	387	275	251	188	e146	412
23	179	445	413	365	576	410	367	258	306	176	e144	357
24	175	431	674	357	558	399	347	293	312	166	e136	317
25	171	463	717	550	557	395	335	260	321	158	148	285
26	176	420	579	2,550	664	392	520	230	291	244	191	267
27	186	647	496	1,700	749	391	763	e221	323	484	193	253
28	194	1,560	456	888	702	389	587	e233	e916	346	149	246
29	198	1,260	433	e605	636	388	443	265	e696	282	134	243
30	198	742	472	e520	---	524	394	288	e644	221	126	241
31	186	---	494	e520	---	613	---	309	---	231	117	---
TOTAL	6,160	18,509	15,631	17,704	28,558	16,198	16,552	11,242	10,142	11,881	5,999	21,782
MEAN	199	617	504	571	985	523	552	363	338	383	194	726
MAX	227	4,230	741	2,550	4,250	877	1,820	802	916	1,600	767	5,160
MIN	171	175	361	357	434	388	335	221	186	158	117	113
CFSM	0.44	1.38	1.13	1.27	2.20	1.17	1.23	0.81	0.75	0.86	0.43	1.62
IN.	0.51	1.54	1.30	1.47	2.37	1.35	1.37	0.93	0.84	0.99	0.50	1.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

MEAN	303	424	629	937	1,156	1,347	1,134	776	473	379	283	243
MAX	1,579	1,288	2,488	2,363	3,402	3,551	3,626	2,766	1,161	1,305	1,220	1,081
(WY)	(1996)	(1993)	(1984)	(1972)	(1961)	(1990)	(1979)	(2003)	(1989)	(2003)	(1967)	(1975)
MIN	16.2	51.0	142	209	423	321	317	212	65.3	28.5	48.0	30.0
(WY)	(1955)	(1955)	(2000)	(1956)	(2002)	(1988)	(1986)	(2000)	(1988)	(2000)	(1986)	(1954)

02412000 TALLAPOOSA RIVER NEAR HEFLIN, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1952 - 2004	
ANNUAL TOTAL	340,372		180,358			
ANNUAL MEAN	933		493		672	
HIGHEST ANNUAL MEAN					1,064	2003
LOWEST ANNUAL MEAN					249	2000
HIGHEST DAILY MEAN	11,700	May 8	5,160	Sep 17	30,200	Mar 31, 1977
LOWEST DAILY MEAN	169	Sep 21	113	Sep 1	13	Oct 9, 1954
ANNUAL SEVEN-DAY MINIMUM	180	Oct 21	129	Aug 31	14	Oct 8, 1954
MAXIMUM PEAK FLOW			5,660	Sep 18	32,500	Mar 31, 1977
MAXIMUM PEAK STAGE			15.18	Sep 18	31.34	Mar 31, 1977
ANNUAL RUNOFF (CFSM)	2.08		1.10		1.50	
ANNUAL RUNOFF (INCHES)	28.26		14.98		20.37	
10 PERCENT EXCEEDS	1,390		767		1,250	
50 PERCENT EXCEEDS	660		388		409	
90 PERCENT EXCEEDS	200		179		115	

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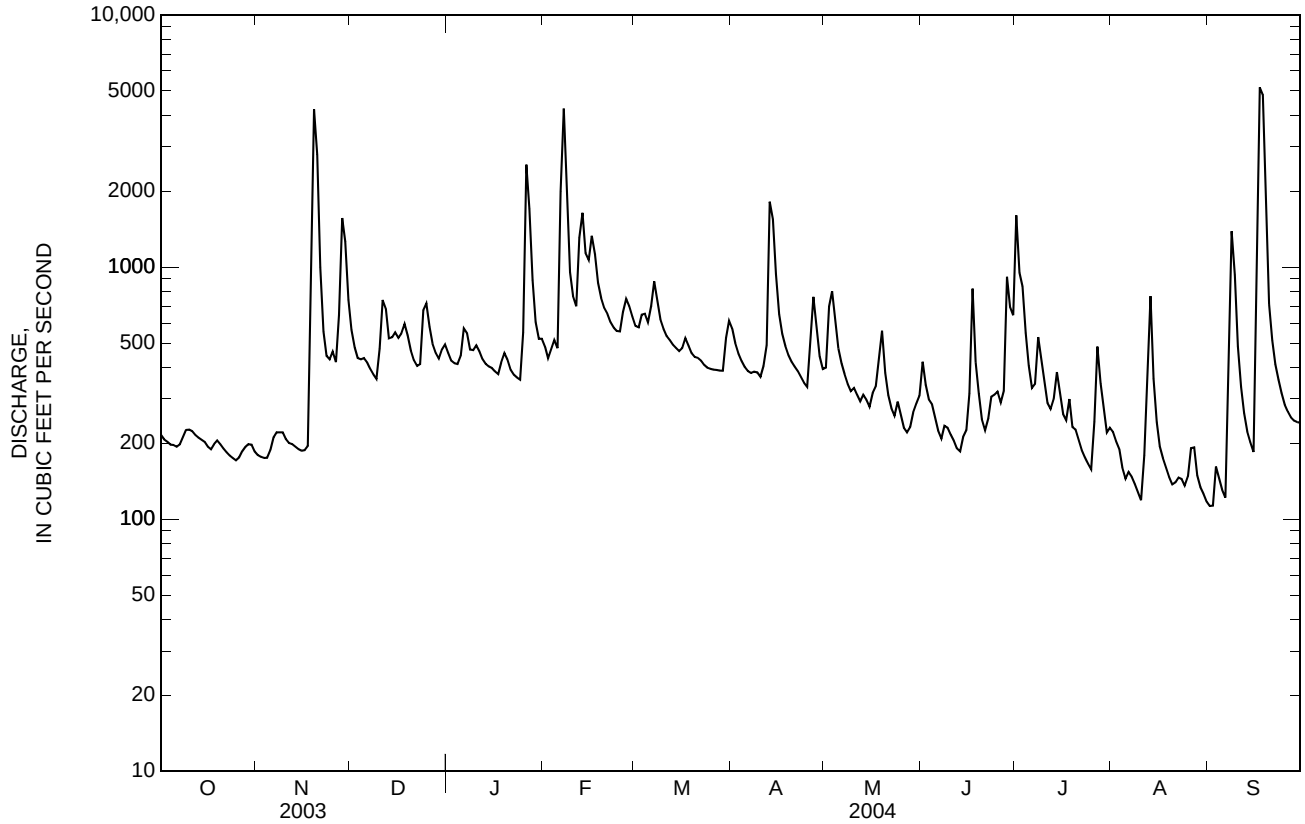


02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA

LOCATION.--Lat 33° 29'34", long 85° 16'45", Carroll County, Hydrologic Unit 03150108, at bridge on State Highway 100, 1.9 mi upstream from Indian Creek, and 3.8 mi southwest of Bowdon, Georgia.

DRAINAGE.--245 mi^2.

PERIOD OF RECORD.--December 1999 to September 2004 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 910 ft above NGVD of 1929 from topographic map.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 17	0000	*3,220	*13.56

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 40 ft^3/s, Aug. 9, 10, gage height, 2.21 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

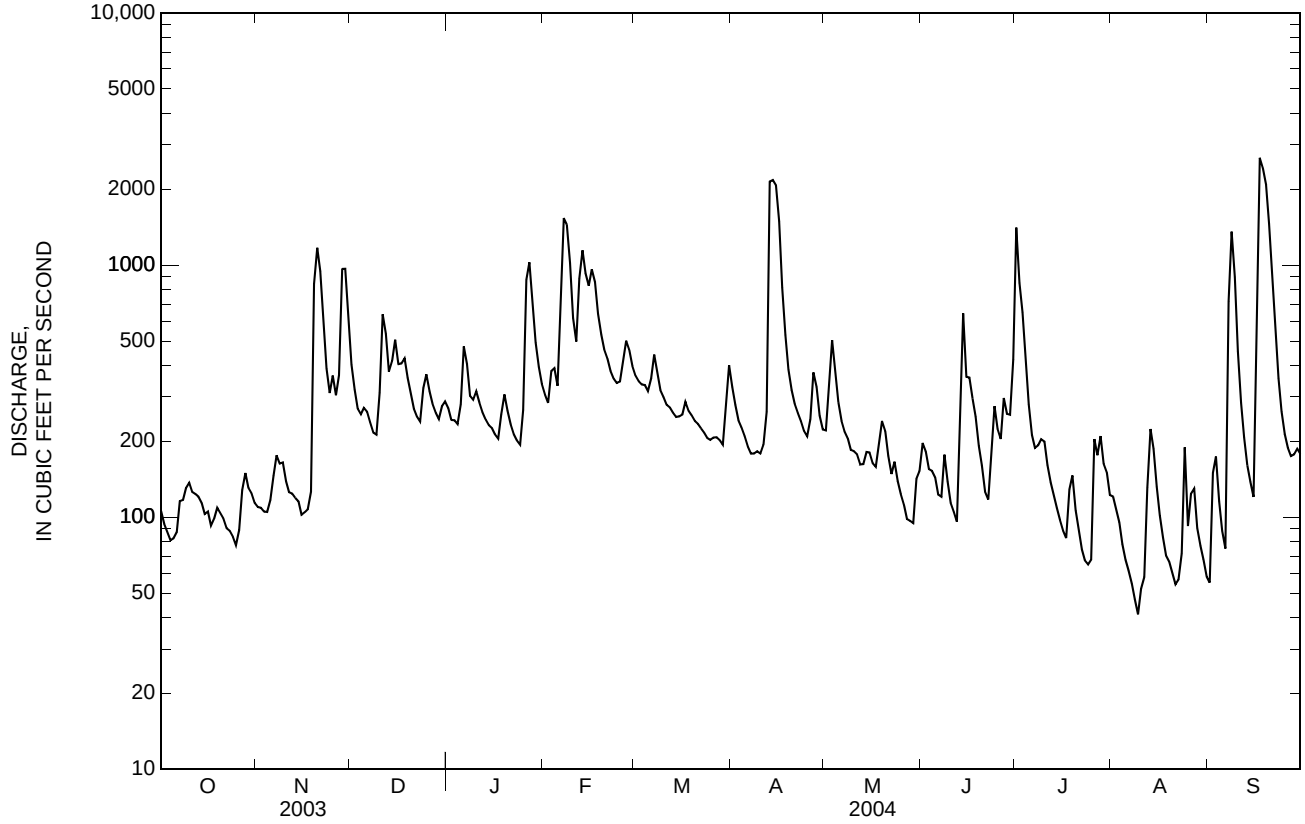
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	110	403	271	306	365	328	221	197	1,410	121	55
2	94	109	321	243	284	346	279	351	183	850	108	150
3	88	105	269	243	380	336	242	505	155	650	95	174
4	81	105	256	234	390	334	227	383	153	413	78	116
5	82	117	271	280	332	317	209	286	144	280	68	88
6	87	146	262	476	825	356	190	241	123	212	61	75
7	116	176	238	405	1,540	441	179	219	121	188	55	719
8	117	163	217	303	1,450	375	179	206	177	193	47	1,360
9	131	165	213	292	1,020	319	183	185	138	204	41	897
10	137	139	312	315	617	299	179	183	114	200	52	455
11	126	126	638	284	498	279	194	178	105	161	58	285
12	124	124	534	261	885	273	262	162	96	138	131	207
13	121	119	377	244	1,140	260	2,140	163	236	123	224	161
14	114	116	416	232	928	250	2,180	181	644	109	187	138
15	103	102	506	226	829	251	2,070	181	361	98	132	120
16	105	105	405	213	962	255	1,490	164	358	88	102	926
17	93	108	407	205	857	287	816	158	295	83	83	2,660
18	99	126	427	256	641	264	529	198	251	129	71	2,430
19	109	843	358	307	531	254	385	241	192	146	67	2,090
20	104	1,170	310	265	463	241	320	220	160	107	60	1,460
21	99	946	270	234	425	235	282	175	126	89	54	862
22	90	631	250	213	381	225	259	148	118	75	57	551
23	88	389	240	202	355	217	241	166	185	67	72	356
24	84	311	325	194	341	206	219	139	276	65	190	263
25	77	364	369	266	346	203	209	124	225	68	92	214
26	89	304	316	875	411	207	245	112	204	204	124	189
27	128	365	281	1,030	502	208	375	98	297	176	130	175
28	150	966	260	730	462	202	329	97	257	210	91	177
29	131	968	245	493	397	194	253	95	255	163	77	187
30	124	602	276	395	---	292	223	142	422	151	68	179
31	114	---	288	338	---	401	---	152	---	122	58	---
TOTAL	3,311	10,120	10,260	10,525	18,498	8,692	15,216	6,074	6,568	7,172	2,854	17,719
MEAN	107	337	331	340	638	280	507	196	219	231	92.1	591
MAX	150	1,170	638	1,030	1,540	441	2,180	505	644	1,410	224	2,660
MIN	77	102	213	194	284	194	179	95	96	65	41	55
CFSM	0.44	1.38	1.35	1.39	2.60	1.14	2.07	0.80	0.89	0.94	0.38	2.41
IN.	0.50	1.54	1.56	1.60	2.81	1.32	2.31	0.92	1.00	1.09	0.43	2.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	112	309	332	329	443	552	468	425	316	271	106	226
MAX	277	689	782	394	682	1,088	538	1,377	972	926	327	591
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2001)	(2000)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	21.5	47.7	87.3	202	267	277	280	90.5	42.9	22.8	27.9	28.9
(WY)	(2001)	(2002)	(2002)	(2000)	(2002)	(2002)	(2002)	(2000)	(2000)	(2000)	(2002)	(2000)

02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	209,151		117,009			
ANNUAL MEAN	573		320		355	
HIGHEST ANNUAL MEAN					655	2003
LOWEST ANNUAL MEAN					181	2002
HIGHEST DAILY MEAN	5,630	May 8	2,660	Sep 17	5,630	May 8, 2003
LOWEST DAILY MEAN	77	Oct 25	41	Aug 9	12	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	90	Oct 20	55	Aug 5	15	Aug 9, 2002
MAXIMUM PEAK FLOW					5,780	May 8, 2003
MAXIMUM PEAK STAGE					18.46	May 8, 2003
ANNUAL RUNOFF (CFSM)	2.34		1.30		1.45	
ANNUAL RUNOFF (INCHES)	31.76		17.77		19.70	
10 PERCENT EXCEEDS	1,130		642		824	
50 PERCENT EXCEEDS	393		218		204	
90 PERCENT EXCEEDS	114		90		42	



02413300 LITTLE TALLAPOOSA RIVER NEAR NEWELL, AL

LOCATION.--Lat 33° 26'14", long 85° 23'57", in SW $^1/_4$ SW $^1/_4$ 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 mi^2.

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 NGVD of 1929 (datum published incorrectly 1976-86).

REMARKS.--Estimated daily discharges: June 23, 24, and July 6-9. 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 16	2100	*6,530	*12.80

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 82 ft^3/s, Aug. 10, gage height, 1.87 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	187	603	409	460	536	494	358	282	1,700	208	117
2	182	182	475	381	425	516	435	580	291	1,130	183	121
3	174	179	409	369	484	500	383	737	300	918	166	324
4	164	181	386	364	537	503	363	603	277	599	149	211
5	165	187	395	439	483	479	338	456	245	422	131	164
6	180	212	385	650	1,670	550	314	389	214	e355	118	145
7	243	252	357	600	2,300	635	303	347	190	e329	110	859
8	225	238	327	477	2,010	575	302	309	237	e335	102	1,910
9	218	233	319	459	1,460	494	305	282	233	e349	91	1,280
10	236	217	441	474	909	454	298	270	201	343	84	696
11	224	198	754	441	708	437	332	270	180	279	121	442
12	213	195	730	402	1,430	415	406	247	168	244	268	330
13	209	187	551	389	1,650	407	3,430	244	191	263	344	265
14	202	179	598	370	1,390	390	2,820	259	963	210	319	231
15	187	181	680	365	1,190	393	2,580	271	562	196	234	206
16	185	171	593	348	1,320	394	1,950	256	532	177	188	2,080
17	179	181	591	338	1,230	423	1,120	257	443	165	160	4,260
18	177	276	605	401	946	407	707	337	366	299	141	3,280
19	185	1,470	530	456	781	388	539	394	296	282	128	2,700
20	191	1,570	464	427	685	371	453	378	247	215	121	1,900
21	182	1,260	415	377	629	370	408	305	215	181	119	1,130
22	171	817	385	353	581	360	376	255	231	159	123	736
23	165	518	381	337	537	343	352	249	e314	144	173	501
24	160	419	506	328	514	332	327	230	e402	135	221	386
25	153	443	558	494	522	327	314	206	342	126	224	325
26	161	405	485	1,240	590	331	440	186	301	260	206	288
27	194	631	427	1,400	686	330	550	171	364	339	232	268
28	234	1,360	402	1,040	654	332	510	161	361	323	180	259
29	220	1,360	382	710	589	319	398	164	340	281	152	268
30	205	902	410	578	---	436	347	203	603	225	140	261
31	193	---	430	505	---	555	---	250	---	229	124	---
TOTAL	5,976	14,791	14,974	15,921	27,370	13,302	21,894	9,624	9,891	11,212	5,260	25,943
MEAN	193	493	483	514	944	429	730	310	330	362	170	865
MAX	243	1,570	754	1,400	2,300	635	3,430	737	963	1,700	344	4,260
MIN	153	171	319	328	425	319	298	161	168	126	84	117
CFSM	0.47	1.21	1.19	1.26	2.32	1.06	1.80	0.76	0.81	0.89	0.42	2.13
IN.	0.55	1.36	1.37	1.46	2.51	1.22	2.01	0.88	0.91	1.03	0.48	2.38

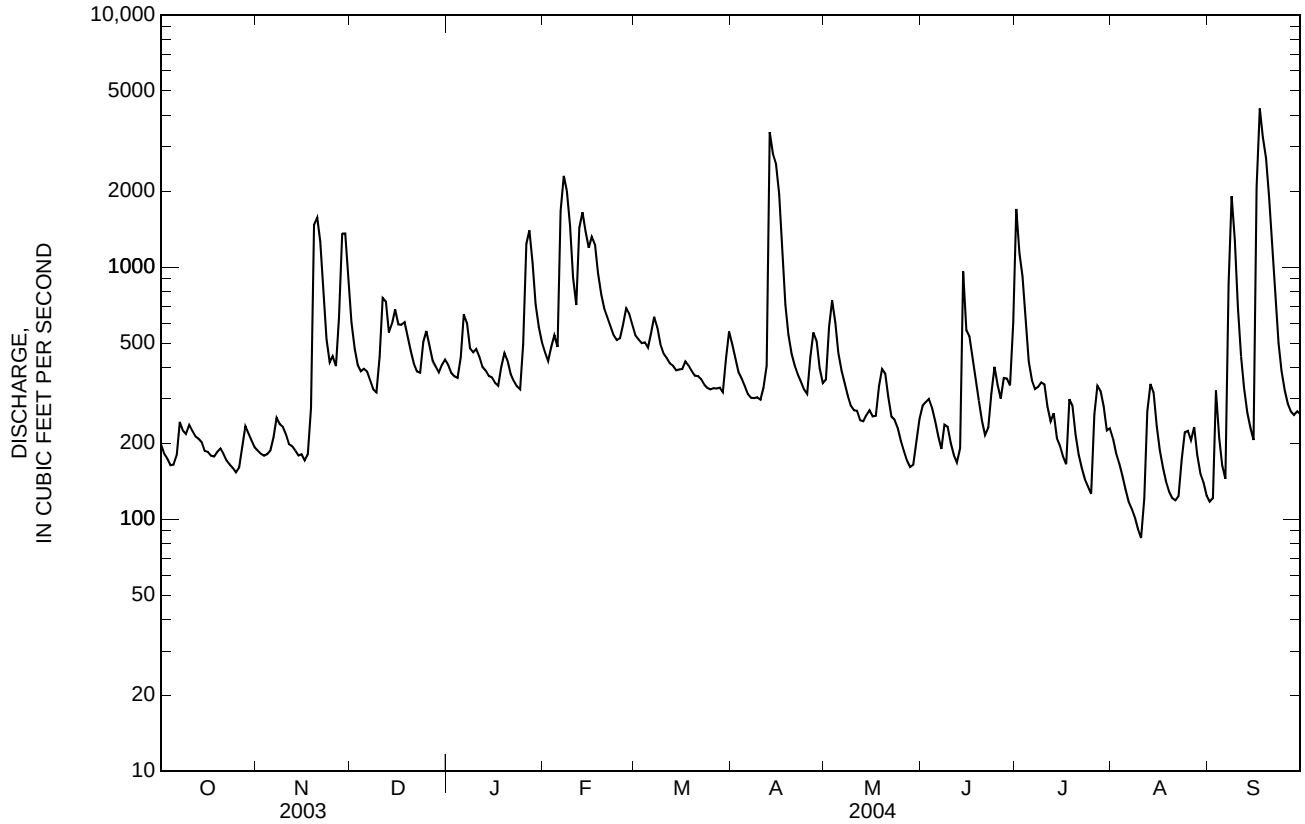
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	285	439	557	801	1,016	1,204	908	620	430	346	235	214
MAX	1,371	1,381	1,796	1,548	2,435	2,799	2,631	2,311	1,316	1,265	1,081	865
(WY)	(1996)	(1993)	(1984)	(1976)	(1990)	(1990)	(1979)	(2003)	(2003)	(2003)	(1984)	(2004)
MIN	40.3	88.2	151	203	421	311	287	183	68.2	35.0	49.4	30.5
(WY)	(2001)	(2002)	(2000)	(1981)	(1986)	(1988)	(1986)	(2000)	(1988)	(2000)	(2000)	(1999)

02413300 LITTLE TALLAPOOSA RIVER NEAR NEWELL, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	321,897		176,158			
ANNUAL MEAN	882		481		586	
HIGHEST ANNUAL MEAN					1,026	2003
LOWEST ANNUAL MEAN					237	2000
HIGHEST DAILY MEAN	10,700	May 8	4,260	Sep 17	12,600	Mar 17, 1976
LOWEST DAILY MEAN	153	Oct 25	84	Aug 10	18	Sep 20, 2000
ANNUAL SEVEN-DAY MINIMUM	169	Oct 20	108	Aug 5	21	Sep 14, 2000
MAXIMUM PEAK FLOW			6,530	Sep 16	14,100	Mar 16, 1976
MAXIMUM PEAK STAGE			12.80	Sep 16	18.18	Mar 16, 1976
ANNUAL RUNOFF (CFSM)	2.17		1.19		1.44	
ANNUAL RUNOFF (INCHES)	29.49		16.14		19.60	
10 PERCENT EXCEEDS	1,810		912		1,250	
50 PERCENT EXCEEDS	613		344		351	
90 PERCENT EXCEEDS	195		170		94	

e Estimated



02414500 TALLAPOOSA RIVER AT WADLEY, AL

LOCATION.--Lat 33° 07'00", long 85° 33'39", in SE $^1/_4$ SW $^1/_4$ 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 mi^2.

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 NGVD of 1929. June 17, 1959, to Sept. 30, 1970, nonrecording gage at same site and datum. Prior to June 17, 1959, at site 0.2 mi upstream at datum 1.46 ft higher.

EXTREMES FOR PERIOD OF RECORD (SEPTEMBER 1923 TO SEPTEMBER 1983).--Maximum discharge, 125,000 ft^3/s, May 8, 2003, gage height, 37.30 ft; minimum daily discharge, 45 ft^3/s, Oct. 2-4, 1954.

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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
No peak greater than base discharge.							

Minimum discharge, 105 ft^3/s, Aug. 23, 24, gage height, 2.17 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

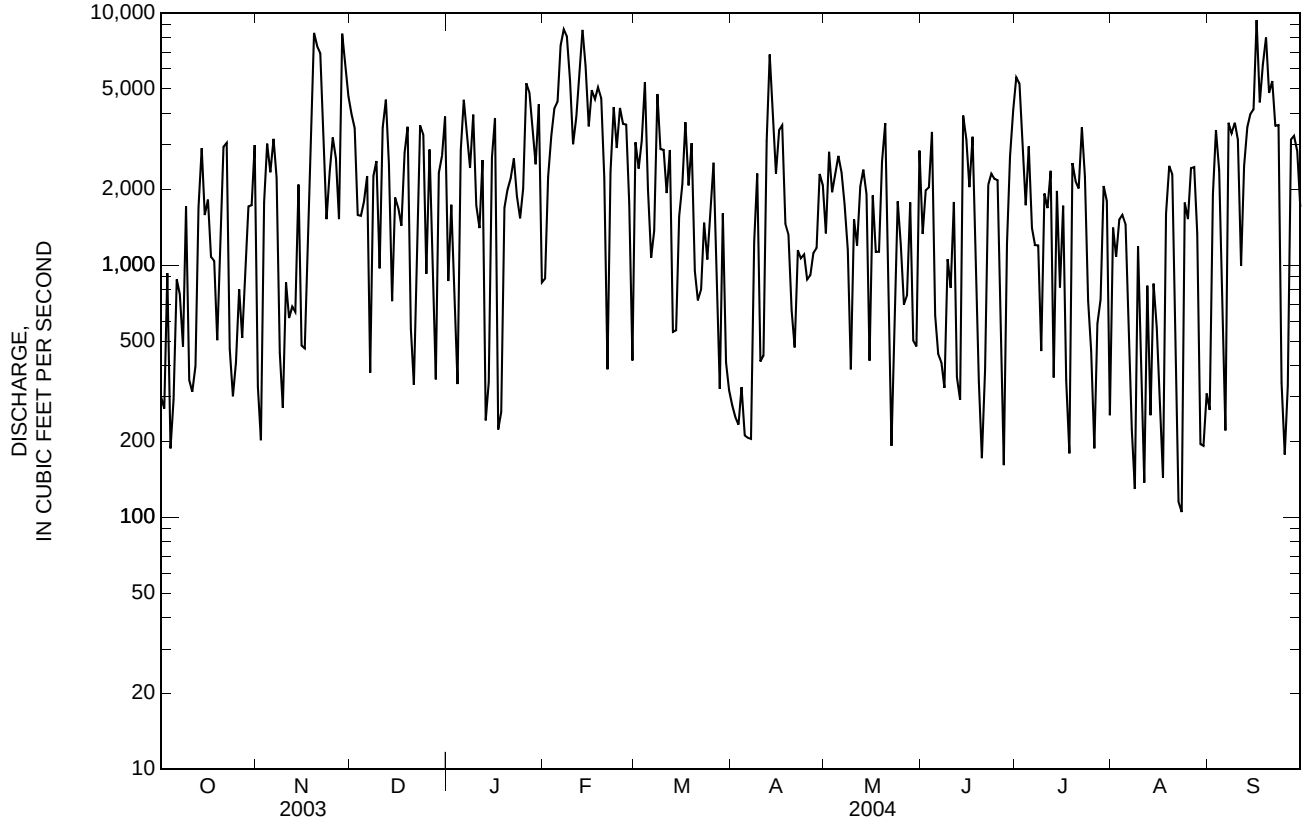
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	300	329	3,980	865	884	3,070	277	1,340	1,330	5,560	1,410	266
2	270	202	3,500	1,740	2,240	2,420	250	2,820	1,980	5,250	1,080	1,910
3	929	1,780	1,580	652	3,260	3,110	233	1,950	2,040	3,180	1,520	3,440
4	187	3,030	1,570	337	4,180	5,320	328	2,290	3,370	1,730	1,580	2,380
5	292	2,340	1,780	2,850	4,450	2,000	211	2,710	633	2,960	1,450	1,050
6	877	3,170	2,260	4,530	7,430	1,070	206	2,330	445	1,400	640	221
7	767	2,220	374	3,240	8,630	1,370	204	1,740	411	1,200	223	3,670
8	476	448	2,250	2,430	8,100	4,770	1,240	1,150	326	1,200	129	3,330
9	1,710	272	2,590	3,950	5,390	2,890	2,310	386	1,060	456	1,190	3,670
10	350	854	970	1,730	3,010	2,860	414	1,520	814	1,920	365	3,140
11	315	617	3,510	1,400	3,860	1,930	437	1,200	1,780	1,680	137	994
12	397	685	4,530	2,610	5,970	2,860	3,110	2,050	359	2,370	829	2,480
13	1,700	652	2,520	242	8,570	543	6,850	2,390	292	358	254	3,530
14	2,910	2,090	720	344	6,170	551	3,750	1,910	3,920	1,970	845	3,980
15	1,580	480	1,850	2,680	3,550	1,560	2,310	418	3,150	816	566	4,160
16	1,820	467	1,680	3,830	4,940	2,100	3,430	1,890	2,040	1,720	311	9,380
17	1,080	1,140	1,430	223	4,550	3,690	3,590	1,130	3,230	349	144	4,420
18	1,040	2,620	2,790	261	5,080	2,070	1,460	1,130	1,370	179	1,600	6,230
19	503	8,340	3,540	1,690	4,600	3,050	1,330	2,580	346	2,540	2,480	8,010
20	1,520	7,390	562	1,990	2,220	949	661	3,660	171	2,150	2,300	4,820
21	2,940	6,930	335	2,210	386	725	471	549	385	2,020	672	5,370
22	3,050	3,020	1,520	2,650	2,340	797	1,150	192	2,080	3,520	115	3,570
23	467	1,520	3,580	1,880	4,240	1,470	1,060	497	2,300	2,240	105	3,590
24	302	2,350	3,300	1,530	2,920	1,050	1,100	1,790	2,200	723	1,770	341
25	411	3,210	924	2,010	4,200	1,650	876	1,210	2,170	457	1,520	177
26	803	2,640	2,870	5,260	3,640	2,540	911	697	375	187	2,420	332
27	515	1,520	891	4,850	3,610	801	1,120	757	161	586	2,450	3,150
28	971	8,280	352	3,540	1,760	322	1,170	1,770	1,220	731	1,340	3,260
29	1,710	6,300	2,320	2,510	418	1,600	2,300	501	2,700	2,060	195	2,840
30	1,730	4,670	2,710	4,350	---	411	2,070	475	4,140	1,790	192	1,700
31	2,990	---	3,880	853	---	319	---	2,850	---	254	309	---
TOTAL	34,912	79,566	66,668	69,237	120,598	59,868	44,829	47,882	46,798	53,556	30,141	95,411
MEAN	1,126	2,652	2,151	2,233	4,159	1,931	1,494	1,545	1,560	1,728	972	3,180
MAX	3,050	8,340	4,530	5,260	8,630	5,320	6,850	3,660	4,140	5,560	2,480	9,380
MIN	187	202	335	223	386	319	204	192	161	179	105	177
CFSM	0.67	1.58	1.28	1.33	2.48	1.15	0.89	0.92	0.93	1.03	0.58	1.90
IN.	0.78	1.77	1.48	1.54	2.68	1.33	1.00	1.06	1.04	1.19	0.67	2.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

MEAN	1,312	2,143	2,563	3,282	4,473	4,971	2,428	2,664	1,931	1,909	1,422	1,125
MAX	5,599	6,246	8,336	6,757	10,890	13,270	5,031	14,320	4,819	6,027	4,331	3,180
(WY)	(1996)	(1993)	(1984)	(1993)	(1990)	(1990)	(1998)	(2003)	(2003)	(2003)	(1984)	(2004)
MIN	234	458	729	1,248	1,581	1,294	542	444	521	527	573	320
(WY)	(1987)	(2000)	(1988)	(1986)	(2000)	(1988)	(1986)	(1986)	(1986)	(1988)	(2000)	(1990)

02414500 TALLAPOOSA RIVER AT WADLEY, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	1,567,039		749,466			
ANNUAL MEAN	4,293		2,048		2,511	
HIGHEST ANNUAL MEAN					4,889	2003
LOWEST ANNUAL MEAN					1,082	1988
HIGHEST DAILY MEAN	103,000	May 9	9,380	Sep 16	103,000	May 9, 2003
LOWEST DAILY MEAN	187	Oct 4	105	Aug 23	41	Aug 30, 1987
ANNUAL SEVEN-DAY MINIMUM	429	Sep 29	244	Apr 1	95	May 11, 1986
MAXIMUM PEAK FLOW			15,600	Sep 16	125,000	May 8, 2003
MAXIMUM PEAK STAGE			11.15	Sep 16	37.30	May 8, 2003
ANNUAL RUNOFF (CFSM)	2.56		1.22		1.50	
ANNUAL RUNOFF (INCHES)	34.80		16.64		20.37	
10 PERCENT EXCEEDS	7,110		4,190		5,350	
50 PERCENT EXCEEDS	3,050		1,720		1,640	
90 PERCENT EXCEEDS	611		310		223	



02414500 TALLAPOOSA RIVER AT WADLEY, AL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.86	2.87	5.34	3.32	3.36	4.77	2.76	3.58	3.55	5.95	3.42	2.67
2	2.79	2.59	5.18	3.90	4.22	4.21	2.69	4.70	3.97	5.78	3.40	3.86
3	3.52	3.97	3.97	3.15	5.01	4.68	2.65	4.27	4.05	4.71	3.57	4.95
4	2.55	4.86	3.74	2.86	5.49	6.01	2.83	4.46	4.80	3.83	3.77	4.37
5	2.78	4.37	4.02	4.59	5.63	4.10	2.60	4.65	3.13	4.52	3.61	3.42
6	3.25	4.98	4.23	5.70	6.90	3.54	2.58	4.48	2.81	3.77	2.99	2.53
7	3.17	4.15	2.87	4.81	7.78	3.58	2.58	3.76	2.88	3.42	2.51	4.87
8	3.11	2.90	4.13	4.46	7.46	5.80	3.45	3.52	2.75	3.51	2.28	5.01
9	3.83	2.49	4.53	5.15	6.19	4.74	4.35	2.85	3.47	2.92	3.19	5.00
10	2.81	3.45	3.42	4.12	4.83	4.50	2.91	3.42	3.26	3.94	2.80	4.62
11	2.76	3.21	5.17	3.70	5.14	4.07	2.87	3.65	4.14	3.82	2.31	3.34
12	2.97	3.31	5.63	4.57	6.53	4.72	4.78	4.32	2.79	4.20	3.50	4.10
13	3.62	3.27	4.63	2.70	7.81	3.10	6.98	4.35	2.67	2.74	2.65	4.83
14	4.82	4.29	3.26	2.88	6.61	2.96	5.30	4.25	5.37	3.88	3.14	4.98
15	3.57	3.09	4.04	4.50	5.22	3.79	4.32	2.87	4.67	3.25	3.08	5.31
16	4.17	3.08	4.07	5.25	5.92	4.07	4.73	4.14	4.16	3.61	2.76	8.24
17	3.40	3.69	3.45	2.66	5.61	5.32	5.13	3.14	4.91	2.75	2.34	5.79
18	3.59	4.44	4.74	2.75	6.00	4.34	3.82	3.22	3.68	2.46	3.54	6.46
19	3.14	7.72	5.15	3.91	5.74	4.64	3.61	4.64	2.77	3.98	4.13	7.51
20	3.64	7.20	3.07	4.07	4.43	3.36	3.16	5.04	2.45	3.95	4.12	5.89
21	4.49	7.02	2.86	4.11	2.98	3.37	2.93	3.06	2.70	3.92	3.02	5.95
22	4.82	4.57	3.74	4.37	4.37	3.24	3.64	2.52	3.99	4.80	2.22	4.94
23	2.89	3.74	5.16	3.95	5.62	3.97	3.55	2.83	4.35	4.19	2.17	4.99
24	2.83	4.09	5.04	3.74	4.59	3.16	3.60	4.03	4.11	3.11	3.55	2.76
25	3.00	4.92	3.40	3.76	5.35	3.81	3.36	3.58	4.08	2.89	3.64	2.46
26	3.33	4.30	4.68	6.14	5.23	4.54	3.44	3.12	2.79	2.49	4.31	2.74
27	2.98	3.56	3.33	5.86	5.16	3.25	3.64	3.16	2.41	2.91	4.51	4.77
28	3.56	7.69	2.88	5.12	4.03	2.82	3.65	3.76	3.23	3.12	3.63	4.68
29	4.07	6.63	4.38	4.37	3.03	4.04	4.31	2.93	4.49	3.89	2.50	4.31
30	4.11	5.81	4.71	5.57	---	3.01	4.10	2.71	5.11	3.91	2.49	3.80
31	4.74	---	5.33	3.36	---	2.84	---	4.71	---	2.59	2.75	---
MEAN	3.46	4.41	4.20	4.17	5.39	4.01	3.68	3.73	3.65	3.70	3.16	4.64
MAX	4.82	7.72	5.63	6.14	7.81	6.01	6.98	5.04	5.37	5.95	4.51	8.24
MIN	2.55	2.49	2.86	2.66	2.98	2.82	2.58	2.52	2.41	2.46	2.17	2.46

02414715 TALLAPOOSA RIVER NEAR NEW SITE, AL

LOCATION.--Lat 32° 58'38", long 85° 44'23", in NW $^1/_4$ SW $^1/_4$ 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 mi^2.

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 NGVD of 1929.

REMARKS.--Estimated daily discharges: Oct. 9. Records good. Flow regulated by Harris Reservoir (station 02412950) and small mill dams above station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 24,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
No peak greater than base discharge.							

Minimum discharge, 156 ft^3/s, Aug. 9, 10, gage height, 2.14 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	624	2,500	3,920	2,400	1,910	2,840	856	2,370	2,760	5,260	411	408
2	613	637	4,440	1,080	1,550	2,120	765	2,230	1,680	5,580	1,760	612
3	968	565	2,710	2,390	4,010	3,590	700	3,380	2,240	5,240	1,210	2,780
4	892	2,560	1,490	910	3,840	4,260	744	2,530	2,540	3,340	1,820	3,680
5	478	3,010	2,640	1,420	5,280	5,380	689	2,150	3,600	2,020	1,570	2,080
6	723	3,150	3,210	6,000	6,720	2,300	601	2,950	577	3,440	1,570	1,200
7	1,610	2,550	1,270	3,700	10,300	1,220	588	2,140	829	1,300	799	1,170
8	710	2,610	1,710	3,320	8,910	4,350	654	2,240	602	1,630	304	4,450
9	e1,910	528	3,310	3,490	8,400	4,560	2,270	1,420	798	1,460	175	3,600
10	1,960	767	1,530	3,420	4,360	3,260	2,270	532	1,170	803	1,380	3,510
11	576	1,320	3,680	2,360	3,720	2,350	703	2,110	1,450	2,070	456	3,260
12	790	991	4,120	2,540	5,770	3,510	2,030	1,800	1,630	1,940	1,450	1,260
13	618	1,100	4,050	1,490	9,730	1,460	7,770	2,170	394	2,500	1,280	2,810
14	2,650	1,780	2,410	766	7,920	1,140	5,370	2,920	3,210	488	589	3,640
15	2,590	1,520	1,440	1,380	4,510	1,510	3,060	1,910	2,470	2,290	1,220	4,580
16	2,580	859	2,770	5,320	6,980	2,670	1,530	1,310	3,680	948	713	9,700
17	1,900	1,010	1,440	1,480	4,140	3,760	4,380	2,430	2,540	2,030	474	12,700
18	1,420	1,450	3,680	942	5,680	3,050	3,730	686	3,210	584	281	4,210
19	1,000	7,730	3,200	1,660	5,280	2,550	1,510	2,560	1,660	549	1,830	9,650
20	757	7,480	2,520	2,570	4,000	2,800	1,910	3,170	490	2,870	2,790	5,210
21	2,400	8,120	843	2,750	1,670	1,100	716	3,800	370	2,360	2,210	4,910
22	3,050	4,310	1,100	2,960	2,080	1,360	1,220	637	661	2,290	424	4,810
23	3,060	3,390	3,250	2,490	4,530	1,870	1,610	710	2,500	3,720	263	3,990
24	544	1,920	4,330	1,820	3,940	1,260	1,490	1,170	2,400	2,560	234	3,180
25	699	4,830	2,650	1,610	3,540	2,410	1,540	2,340	2,400	645	1,930	546
26	757	2,960	2,170	5,600	4,450	1,950	1,370	1,290	2,490	652	1,720	502
27	1,460	1,580	2,650	5,370	5,610	2,510	1,420	1,010	491	482	2,660	1,080
28	1,130	7,800	830	5,460	2,950	812	1,570	1,050	392	978	2,340	3,260
29	1,870	7,160	2,040	2,820	1,370	1,280	1,580	2,050	1,820	1,020	1,340	3,170
30	2,120	6,190	2,970	4,640	---	1,810	2,380	484	2,920	2,250	293	3,130
31	2,160	---	4,490	1,970	---	1,050	---	1,160	---	1,880	325	---
TOTAL	44,619	92,377	82,863	86,128	143,150	76,092	57,026	58,709	53,974	65,179	35,821	109,088
MEAN	1,439	3,079	2,673	2,778	4,936	2,455	1,901	1,894	1,799	2,103	1,156	3,636
MAX	3,060	8,120	4,490	6,000	10,300	5,380	7,770	3,800	3,680	5,580	2,790	12,700
MIN	478	528	830	766	1,370	812	588	484	370	482	175	408
CFSM	0.70	1.50	1.30	1.35	2.40	1.19	0.92	0.92	0.87	1.02	0.56	1.77
IN.	0.81	1.67	1.50	1.56	2.59	1.38	1.03	1.06	0.98	1.18	0.65	1.97

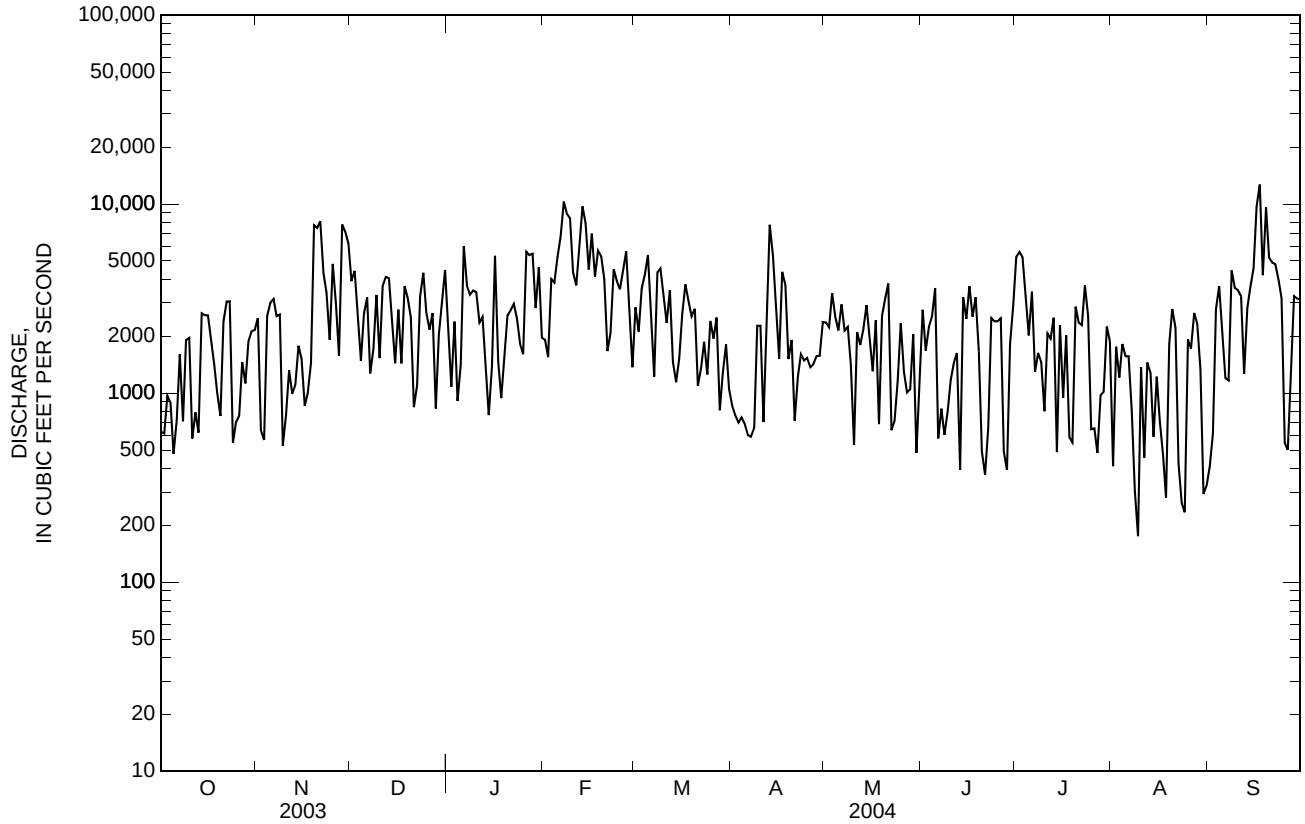
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2004, BY WATER YEAR (WY)

MEAN	1,746	2,753	3,092	4,263	5,526	6,484	3,504	3,242	2,650	2,491	1,645	1,431
MAX	7,270	7,601	7,959	8,191	12,880	16,230	7,210	16,870	6,704	8,338	3,561	3,636
(WY)	(1996)	(1993)	(1993)	(1996)	(1990)	(1990)	(1998)	(2003)	(1989)	(2003)	(1994)	(2004)
MIN	325	638	1,011	1,757	2,270	1,785	800	763	689	841	727	413
(WY)	(1988)	(2002)	(1988)	(1986)	(1986)	(1988)	(1986)	(1986)	(1986)	(1986)	(2000)	(1990)

02414715 TALLAPOOSA RIVER NEAR NEW SITE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1986 - 2004	
ANNUAL TOTAL	1,951,164		905,026			
ANNUAL MEAN	5,346		2,473		3,318	
HIGHEST ANNUAL MEAN					5,852	2003
LOWEST ANNUAL MEAN					1,461	1988
HIGHEST DAILY MEAN	108,000	May 9	12,700	Sep 17	108,000	May 9, 2003
LOWEST DAILY MEAN	478	Oct 5	175	Aug 9	98	Aug 31, 1987
ANNUAL SEVEN-DAY MINIMUM	770	Sep 30	677	Apr 2	167	Oct 9, 1987
MAXIMUM PEAK FLOW			20,400	Sep 17	132,000	May 9, 2003
MAXIMUM PEAK STAGE			9.34	Sep 17	23.59	May 9, 2003
ANNUAL RUNOFF (CFSM)	2.60		1.20		1.61	
ANNUAL RUNOFF (INCHES)	35.27		16.36		21.90	
10 PERCENT EXCEEDS	8,900		4,690		6,550	
50 PERCENT EXCEEDS	3,680		2,080		2,370	
90 PERCENT EXCEEDS	1,190		613		397	

e Estimated



02415000 HILLABEE CREEK NEAR HACKNEYVILLE, AL

LOCATION.--Lat 33° 04'00", long 85° 52'45", in NW $^1/_4$ SW $^1/_4$ 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 mi^2.

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 NGVD of 1929.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 13, 1979 reached a gage height of 28.10 ft, from floodmarks, discharge, 26,400 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 17	0300	*7,900	*18.23

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 32 ft^3/s, Aug. 10, gage height, 3.65 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

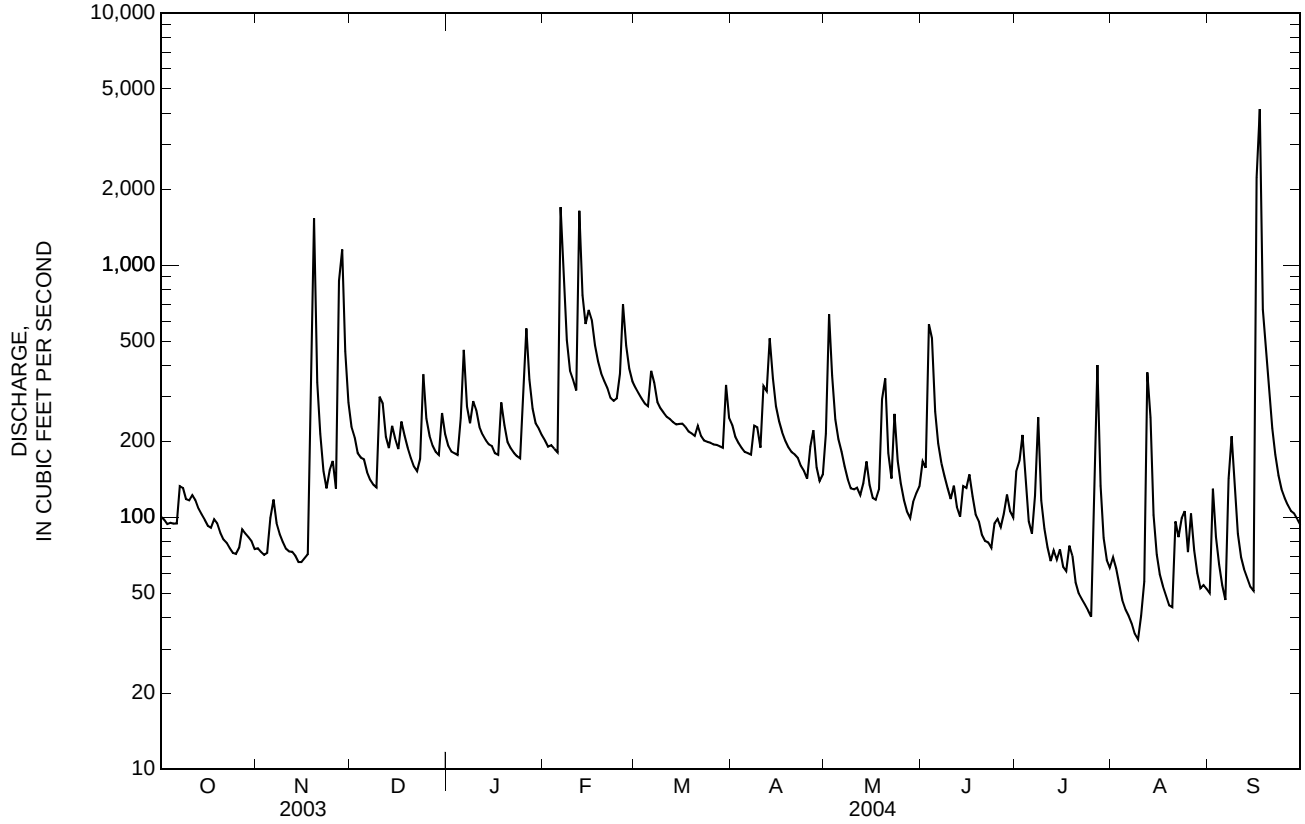
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	75	229	192	201	326	232	214	167	152	69	50
2	98	73	208	182	191	309	209	638	157	167	63	130
3	94	71	180	180	193	295	197	365	583	212	54	84
4	95	72	172	177	187	282	189	244	513	137	47	65
5	94	99	170	248	181	276	182	204	263	96	43	54
6	94	117	151	461	1,700	381	179	182	196	86	41	47
7	133	95	141	275	876	342	177	159	164	122	38	142
8	131	86	134	236	504	287	231	141	146	249	34	210
9	118	80	131	288	381	271	227	130	130	117	33	127
10	117	75	301	266	352	260	189	129	118	90	41	86
11	122	73	284	228	318	250	331	131	133	76	56	69
12	117	73	209	213	1,640	245	316	123	110	67	375	62
13	108	70	188	202	761	239	512	136	100	74	248	57
14	103	66	231	195	584	234	356	166	133	68	102	53
15	98	66	205	192	664	234	276	135	131	74	71	51
16	92	69	186	179	606	235	240	119	148	64	59	2,220
17	91	71	240	177	480	228	217	117	121	61	53	4,160
18	98	309	211	285	416	219	201	129	103	77	49	667
19	95	1,530	189	232	372	215	189	293	96	70	45	438
20	87	343	172	199	348	210	181	355	85	55	44	313
21	82	214	159	188	325	230	178	180	81	50	96	225
22	79	152	152	180	297	210	172	143	79	47	83	177
23	75	130	170	175	289	201	160	257	75	45	99	146
24	72	154	369	171	296	199	152	167	95	43	106	129
25	72	167	246	276	370	197	142	136	99	40	73	119
26	76	130	210	561	699	194	191	117	92	127	103	112
27	90	867	193	352	478	194	221	105	103	401	74	106
28	86	1,150	182	270	389	191	158	99	123	133	60	104
29	83	456	177	236	346	189	139	115	106	83	52	98
30	80	285	259	225	---	335	147	125	100	68	54	93
31	75	---	214	212	---	248	---	133	---	63	52	---
TOTAL	2,955	7,218	6,263	7,453	14,444	7,726	6,491	5,687	4,550	3,214	2,417	10,394
MEAN	95.3	241	202	240	498	249	216	183	152	104	78.0	346
MAX	133	1,530	369	561	1,700	381	512	638	583	401	375	4,160
MIN	72	66	131	171	181	189	139	99	75	40	33	47
CFSM	0.50	1.27	1.06	1.27	2.62	1.31	1.14	0.97	0.80	0.55	0.41	1.82
IN.	0.58	1.41	1.23	1.46	2.83	1.51	1.27	1.11	0.89	0.63	0.47	2.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

MEAN	109	182	294	396	558	630	535	319	224	174	110	116
MAX	574	830	1,171	874	1,551	1,689	1,309	1,468	702	666	328	720
(WY)	(1996)	(1993)	(1962)	(1990)	(1990)	(1990)	(1964)	(2003)	(2003)	(2003)	(2003)	(1988)
MIN	11.5	37.5	62.7	93.5	178	176	125	82.4	38.6	14.6	12.5	15.3
(WY)	(1955)	(1955)	(2000)	(1956)	(1986)	(1988)	(1986)	(2000)	(1988)	(2000)	(2000)	(1990)

02415000 HILLABEE CREEK NEAR HACKNEYVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1952 - 2004	
ANNUAL TOTAL	177,796		78,812			
ANNUAL MEAN	487		215		303	
HIGHEST ANNUAL MEAN					527	2003
LOWEST ANNUAL MEAN					108	2000
HIGHEST DAILY MEAN	12,900	May 8	4,160	Sep 17	12,900	May 8, 2003
LOWEST DAILY MEAN	66	Nov 14	33	Aug 9	4.3	Aug 24, 2000
ANNUAL SEVEN-DAY MINIMUM	70	Nov 11	40	Aug 4	5.0	Aug 21, 2000
MAXIMUM PEAK FLOW			7,900	Sep 17	17,700	Mar 16, 1990
MAXIMUM PEAK STAGE			18.23	Sep 17	25.70	Apr 5, 1957
ANNUAL RUNOFF (CFSM)	2.56		1.13		1.59	
ANNUAL RUNOFF (INCHES)	34.81		15.43		21.64	
10 PERCENT EXCEEDS	879		355		608	
50 PERCENT EXCEEDS	312		159		172	
90 PERCENT EXCEEDS	98		66		46	



02418230 SOUGAHATCHEE CREEK NEAR LOACHAPOKA, AL

LOCATION.--Lat 32° 37'36", Long 85° 35'17", in NW $^1/_4$ sec. 19, T. 19 N., R. 25 E., Lee County, Hydrologic Unit 03150110, on downstream side of bridge on County Road 188, 1 mi upstream of Loblocklee Creek, and 2 mi north of Loachapoka.

DRAINAGE AREA.--71.3 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 520 ft above NGVD of 1929 (from topographic map).

REMARKS.--Estimated daily discharges: Feb. 25, 26; Apr. 27-29; Sept. 1-3, 7, 10, 11, 16. Records good. Flow includes wastewater treatment plant discharges from City of Auburn. 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.--Peak discharges greater than base discharge of 1,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 17	0015	*2,980	*5.91

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 12 ft^3/s, Aug. 8, 9, gage height, 1.34 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	26	69	59	64	106	56	78	34	43	21	e26
2	27	28	60	56	60	100	52	170	28	41	22	e36
3	27	33	54	56	65	92	47	74	27	59	19	e180
4	27	30	86	56	61	86	46	49	28	41	18	61
5	26	27	67	61	60	85	46	41	26	33	18	37
6	26	32	57	86	432	90	45	36	24	27	17	30
7	29	30	53	61	311	83	44	33	23	24	15	e429
8	47	28	51	55	146	76	183	32	24	28	14	208
9	37	28	49	70	103	71	101	32	22	24	13	82
10	33	28	291	66	91	69	68	34	22	21	494	e49
11	63	27	177	57	84	66	60	51	21	19	246	e40
12	40	27	101	55	523	65	58	37	20	18	86	40
13	37	27	82	54	274	63	89	47	20	20	59	34
14	35	26	90	54	220	62	63	43	61	21	37	30
15	32	26	75	54	196	64	54	33	41	17	30	29
16	30	26	66	51	141	77	49	30	37	17	26	e817
17	29	27	95	49	110	76	47	30	30	19	24	1,460
18	30	34	74	126	96	65	45	31	27	20	22	306
19	29	527	64	80	88	62	42	35	31	21	21	116
20	29	133	60	66	82	60	41	31	25	17	21	69
21	28	73	55	59	79	60	39	29	23	16	24	50
22	27	57	54	55	74	57	37	28	22	15	21	41
23	27	49	58	52	89	54	36	27	22	15	20	36
24	27	76	183	51	140	51	34	26	49	14	22	34
25	26	64	93	68	e249	51	32	27	44	15	28	32
26	26	50	74	251	e436	50	35	25	43	286	46	31
27	29	83	66	130	231	50	e35	24	28	140	23	32
28	30	302	61	89	146	51	e32	24	26	39	20	33
29	28	126	59	76	114	51	e34	24	24	27	41	30
30	27	83	86	71	---	53	52	23	26	31	85	29
31	27	---	67	67	---	70	---	28	---	23	28	---
TOTAL	963	2,133	2,577	2,241	4,765	2,116	1,602	1,232	878	1,151	1,581	4,427
MEAN	31.1	71.1	83.1	72.3	164	68.3	53.4	39.7	29.3	37.1	51.0	148
MAX	63	527	291	251	523	106	183	170	61	286	494	1,460
MIN	26	26	49	49	60	50	32	23	20	14	13	26
CFSM	0.44	1.00	1.17	1.01	2.30	0.96	0.75	0.56	0.41	0.52	0.72	2.07
IN.	0.50	1.11	1.34	1.17	2.49	1.10	0.84	0.64	0.46	0.60	0.82	2.31

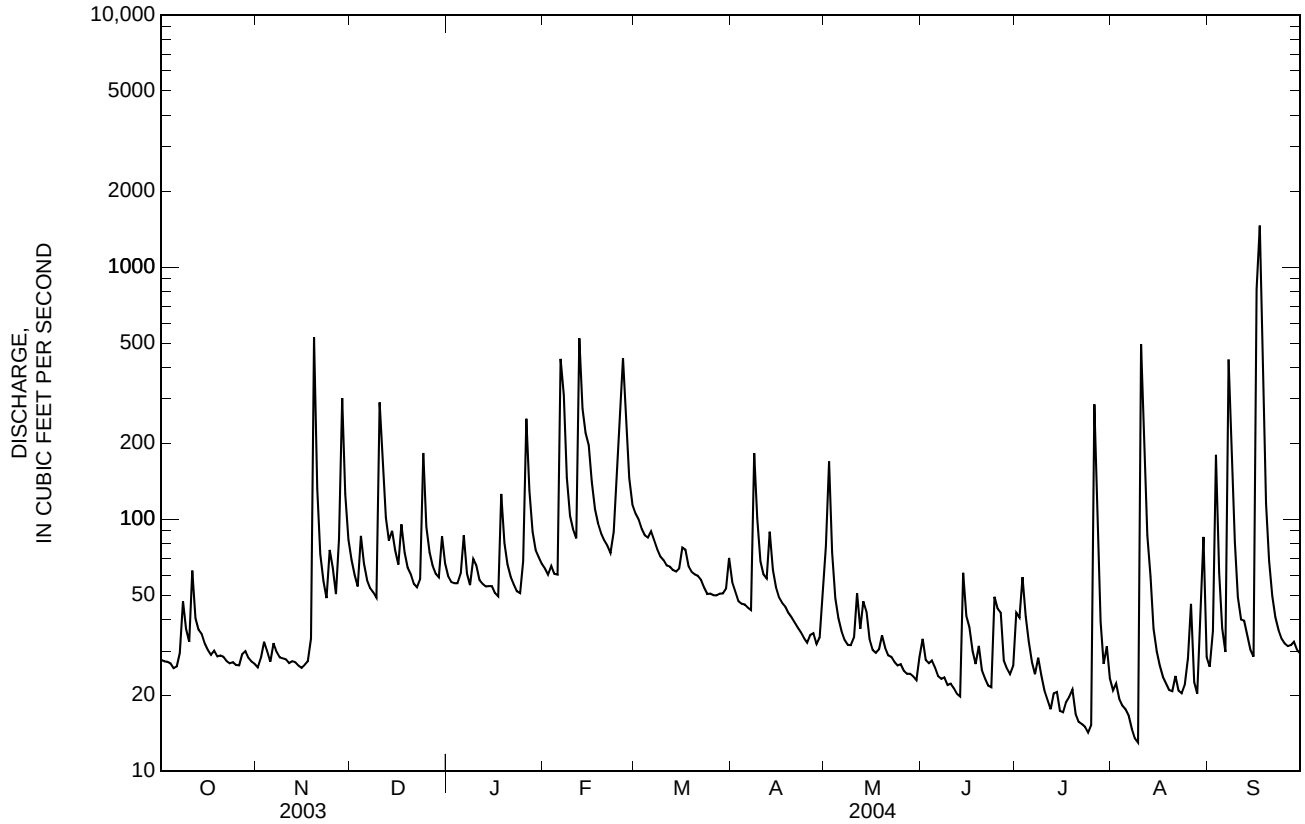
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	18.8	44.1	54.6	64.7	99.5	208	149	62.2	65.1	89.8	46.9	52.4
MAX	31.1	71.1	83.1	110	166	581	290	149	197	340	135	148
(WY)	(2004)	(2004)	(2004)	(2000)	(2003)	(2001)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	12.2	18.0	20.6	36.1	51.9	68.3	53.4	32.9	19.6	17.0	14.8	14.4
(WY)	(2001)	(2002)	(2002)	(2002)	(2002)	(2004)	(2004)	(2000)	(2000)	(2000)	(2002)	(2002)

02418230 SOUGAHATCHEE CREEK NEAR LOACHAPOKA, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	53,796		25,666			
ANNUAL MEAN	147		70.1		88.5	
HIGHEST ANNUAL MEAN					143	2003
LOWEST ANNUAL MEAN					37.5	2002
HIGHEST DAILY MEAN	3,440	Jul 2	1,460	Sep 17	4,210	Mar 4, 2001
LOWEST DAILY MEAN	26	Oct 5	13	Aug 9	6.7	Sep 11, 2002
ANNUAL SEVEN-DAY MINIMUM	27	Nov 11	16	Jul 19	7.5	Sep 5, 2002
MAXIMUM PEAK FLOW			2,980	Sep 17	7,570	Jul 2, 2003
MAXIMUM PEAK STAGE			5.91	Sep 17	8.64	Jul 2, 2003
ANNUAL RUNOFF (CFSM)	2.07		0.984		1.24	
ANNUAL RUNOFF (INCHES)	28.07		13.39		16.86	
10 PERCENT EXCEEDS	265		115		164	
50 PERCENT EXCEEDS	85		44		41	
90 PERCENT EXCEEDS	30		22		14	

e Estimated



02418500 TALLAPOOSA RIVER BELOW TALLASSEE, AL

LOCATION.--Lat 32° 33'15", long 85° 53'21", in SE $^1/_4$ NW $^1/_4$ 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 mi^2.

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 NGVD of 1929 (levels by Alabama Power Co.). July 1928 to March 1975 water-stage recorder.

REMARKS.--No estimated daily discharges. Records fair. Daily discharge computed on basis of powerplant records, flow over spillway, and measured leakage. Flow regulated by Harris Reservoir (station 02413950), Lake Martin (station 02417500), 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

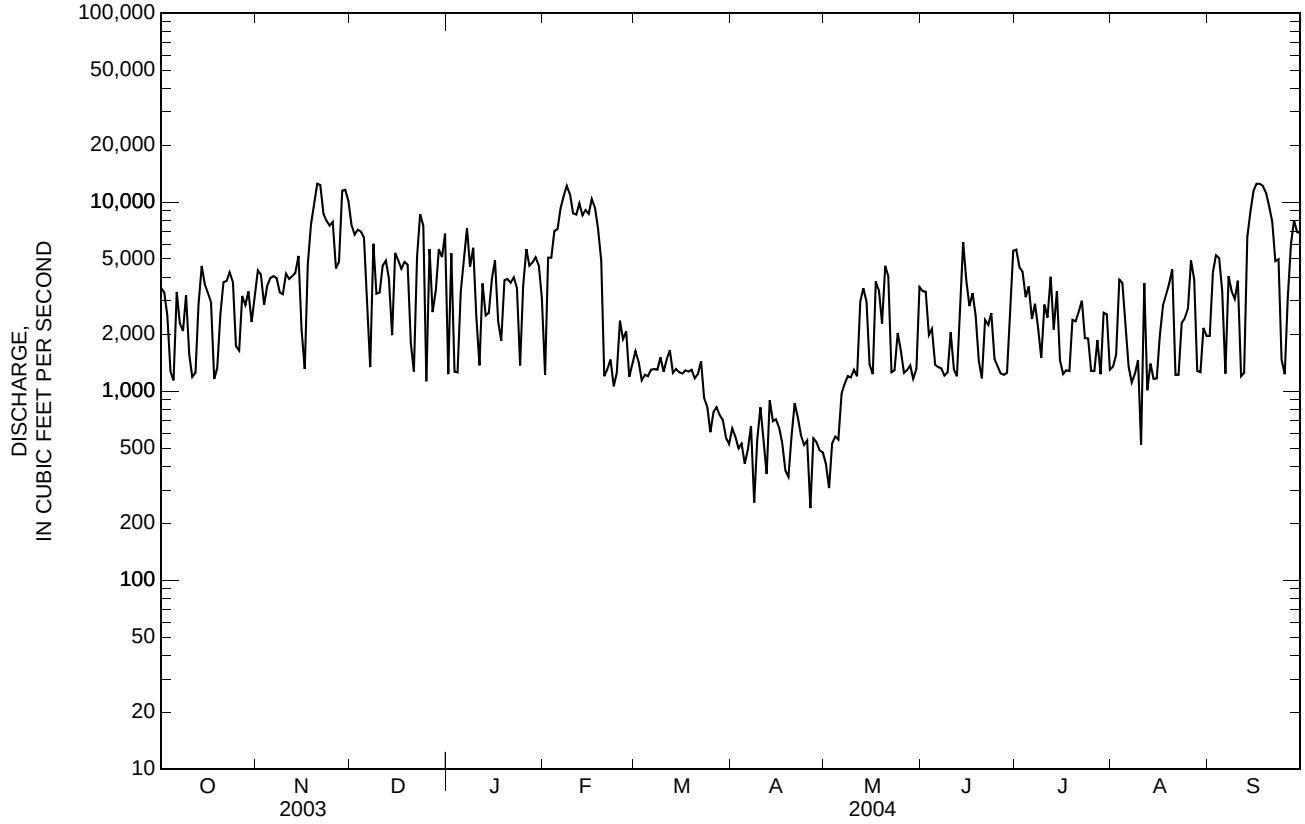
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,510	4,360	7,570	1,230	1,220	1,630	637	413	3,380	5,600	1,350	1,960
2	3,320	4,130	6,740	5,370	5,080	1,430	577	307	3,360	4,520	1,560	4,260
3	2,510	2,860	7,150	1,270	5,080	1,140	499	528	1,980	4,290	3,890	5,230
4	1,270	3,590	6,990	1,260	7,040	1,220	528	575	2,130	3,140	3,740	5,060
5	1,140	3,970	6,500	3,360	7,200	1,200	413	554	1,380	3,580	2,350	3,390
6	3,350	4,060	3,110	5,020	9,290	1,300	494	966	1,340	2,410	1,350	1,240
7	2,300	3,970	1,340	7,300	10,800	1,310	654	1,090	1,320	2,900	1,110	4,050
8	2,080	3,330	6,020	4,550	12,200	1,300	258	1,200	1,210	2,140	1,230	3,380
9	3,220	3,260	3,280	5,730	11,000	1,510	555	1,180	1,260	1,500	1,460	3,080
10	1,560	4,180	3,320	2,510	8,720	1,270	822	1,300	2,050	2,870	519	3,840
11	1,190	3,920	4,610	1,370	8,590	1,470	553	1,200	1,310	2,450	3,730	1,200
12	1,250	4,060	4,910	3,710	9,840	1,640	365	2,980	1,200	4,030	1,010	1,250
13	2,870	4,220	3,940	2,510	8,520	1,250	893	3,500	2,920	2,120	1,400	6,530
14	4,590	5,190	1,980	2,590	9,090	1,310	694	2,980	6,140	3,380	1,160	8,840
15	3,680	2,120	5,390	3,950	8,690	1,260	711	1,390	3,830	1,460	1,170	11,500
16	3,310	1,310	4,920	4,920	10,400	1,240	642	1,230	2,820	1,230	1,960	12,500
17	2,960	4,700	4,440	2,330	9,340	1,290	532	3,800	3,300	1,290	2,840	12,500
18	1,160	7,630	4,820	1,850	7,230	1,270	381	3,400	2,510	1,280	3,220	12,200
19	1,330	9,740	4,670	3,850	4,900	1,300	353	2,280	1,440	2,380	3,730	11,200
20	2,570	12,500	1,790	3,920	1,200	1,170	587	4,600	1,170	2,340	4,400	9,540
21	3,770	12,300	1,270	3,750	1,310	1,230	863	4,080	2,380	2,620	1,220	7,860
22	3,820	8,680	5,160	4,010	1,470	1,440	724	1,260	2,240	3,010	1,220	4,880
23	4,260	7,970	8,640	3,520	1,060	922	587	1,290	2,590	1,910	2,300	4,970
24	3,780	7,510	7,500	1,370	1,250	825	520	2,030	1,480	1,900	2,430	1,470
25	1,730	7,850	1,130	3,600	2,360	606	549	1,650	1,360	1,280	2,730	1,230
26	1,640	4,460	5,650	5,640	1,880	778	241	1,250	1,240	1,280	4,910	3,140
27	3,190	4,830	2,620	4,610	2,070	823	563	1,290	1,220	1,860	3,900	6,010
28	2,860	11,500	3,410	4,800	1,190	747	537	1,370	1,250	1,230	1,280	7,980
29	3,370	11,600	5,650	5,110	1,400	703	487	1,160	2,860	2,600	1,260	6,910
30	2,320	10,100	5,120	4,630	---	566	474	1,310	5,530	2,550	2,160	6,900
31	3,220	---	6,810	3,090	---	526	---	3,560	---	1,300	1,960	---
TOTAL	83,130	179,900	146,450	112,730	169,420	35,676	16,693	55,723	68,200	76,450	68,549	174,100
MEAN	2,682	5,997	4,724	3,636	5,842	1,151	556	1,798	2,273	2,466	2,211	5,803
MAX	4,590	12,500	8,640	7,300	12,200	1,640	893	4,600	6,140	5,600	4,910	12,500
MIN	1,140	1,310	1,130	1,230	1,060	526	241	307	1,170	1,230	519	1,200
CFSM	0.81	1.80	1.42	1.09	1.76	0.35	0.17	0.54	0.68	0.74	0.66	1.74
IN.	0.93	2.01	1.64	1.26	1.89	0.40	0.19	0.62	0.76	0.85	0.77	1.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	3,653	4,393	5,068	5,121	6,196	6,942	6,624	4,813	3,824	3,458	3,382	3,451
MAX	9,715	11,030	14,750	11,030	18,060	22,970	22,600	18,630	13,350	13,230	9,205	6,459
(WY)	(1976)	(1949)	(1933)	(1933)	(1990)	(1990)	(1979)	(2003)	(1989)	(2003)	(1984)	(1939)
MIN	531	1,425	704	853	1,440	633	455	381	1,336	814	924	924
(WY)	(1933)	(2001)	(1932)	(1932)	(1970)	(1988)	(1934)	(1988)	(1985)	(1988)	(1988)	(1986)

02418500 TALLAPOOSA RIVER BELOW TALLASSEE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	2,666,970		1,187,021			
ANNUAL MEAN	7,307		3,243		4,735	
HIGHEST ANNUAL MEAN					7,808	1949
LOWEST ANNUAL MEAN					2,015	2000
HIGHEST DAILY MEAN	94,000	May 9	12,500	Nov 20	125,000	Mar 17, 1990
LOWEST DAILY MEAN	1,130	Dec 25	241	Apr 26	10	Jun 3, 1930
ANNUAL SEVEN-DAY MINIMUM	1,910	Sep 1	432	Apr 26	18	May 28, 1930
MAXIMUM PEAK FLOW			13,000	Mar 8	128,000	Feb 25, 1961
MAXIMUM PEAK STAGE					51.35	Mar 15, 1929
ANNUAL RUNOFF (CFSM)	2.20		0.975		1.42	
ANNUAL RUNOFF (INCHES)	29.81		13.27		19.33	
10 PERCENT EXCEEDS	12,500		7,250		9,230	
50 PERCENT EXCEEDS	4,880		2,420		4,030	
90 PERCENT EXCEEDS	1,970		720		452	



02418760 CHEWACLA CREEK AT CHEWACLA STATE PARK NEAR AUBURN, AL

LOCATION.--Lat 32° 32'53", long 85° 28'50", in NE $^1/_4$ sec. 18, T. 18 N., R. 26 E., Lee County, at abandoned bridge in Chewacla State Park, 0.2 mi downstream of Moores Mill Creek, downstream of Lake Ogletree, and 4 mi south of Auburn.

DRAINAGE AREA.--45.8 mi^2.

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 390 ft above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 9. 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.--Peak discharges greater than base discharge of 800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 26	2000	1,160	5.00	Sep 16	1730	*1,890	*5.93
Aug 10	1415	870	4.53				

Minimum discharge, 1.0 ft^3/s, July 16, gage height, 1.30 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.8	5.1	25	37	36	78	14	36	15	4.3	5.2	13
2	8.9	4.9	22	35	36	64	14	135	9.1	62	4.9	22
3	13	8.8	15	29	34	62	17	73	13	37	4.5	58
4	13	12	29	25	32	59	17	40	9.0	12	4.4	25
5	13	7.6	22	30	52	51	15	27	12	8.7	8.6	26
6	14	4.9	22	39	157	57	13	22	7.9	9.6	16	40
7	15	5.3	20	34	115	52	11	18	9.0	8.3	9.1	304
8	21	9.0	16	26	78	45	60	17	8.7	5.2	8.6	182
9	e17	13	19	34	62	42	22	18	3.0	4.3	6.4	77
10	20	12	98	35	55	40	17	18	6.3	7.4	236	40
11	35	12	71	28	51	37	17	18	9.4	10	55	18
12	18	12	58	24	236	30	16	25	7.1	5.2	31	22
13	14	8.5	50	27	155	33	32	25	11	3.6	25	18
14	13	5.7	43	29	134	34	20	22	13	6.3	11	13
15	11	5.0	40	24	118	33	18	17	14	2.0	5.4	26
16	8.9	4.2	39	25	92	34	15	16	13	1.1	6.8	831
17	12	9.1	46	30	74	32	15	15	5.0	3.3	4.7	427
18	11	17	40	54	65	32	17	7.2	5.5	4.8	7.4	143
19	8.8	182	38	41	57	30	16	14	8.4	8.0	6.7	70
20	8.2	31	33	37	55	31	13	13	10	1.6	4.9	37
21	8.3	25	32	38	54	30	15	12	12	6.9	7.0	32
22	7.3	20	33	38	49	26	15	14	5.6	6.4	7.6	17
23	13	13	34	45	61	25	13	13	7.3	6.8	6.2	13
24	13	26	77	40	75	24	15	13	22	4.8	7.4	14
25	12	16	58	36	108	21	14	12	14	5.8	10	17
26	13	15	51	123	266	10	13	8.7	12	292	17	14
27	9.9	75	43	97	168	13	14	12	12	91	6.9	13
28	7.6	76	36	85	112	16	9.8	12	6.0	21	4.5	6.2
29	7.4	35	29	67	89	16	12	11	4.4	20	6.2	7.5
30	11	28	47	55	---	19	25	11	3.5	22	56	5.5
31	9.3	---	41	44	---	20	---	17	---	9.8	14	---
TOTAL	396.4	698.1	1,227	1,311	2,676	1,096	524.8	711.9	288.2	691.2	604.4	2,531.2
MEAN	12.8	23.3	39.6	42.3	92.3	35.4	17.5	23.0	9.61	22.3	19.5	84.4
MAX	35	182	98	123	266	78	60	135	22	292	236	831
MIN	7.3	4.2	15	24	32	10	9.8	7.2	3.0	1.1	4.4	5.5
CFSM	0.28	0.51	0.86	0.92	2.01	0.77	0.38	0.50	0.21	0.49	0.43	1.84
IN.	0.32	0.57	1.00	1.06	2.17	0.89	0.43	0.58	0.23	0.56	0.49	2.06

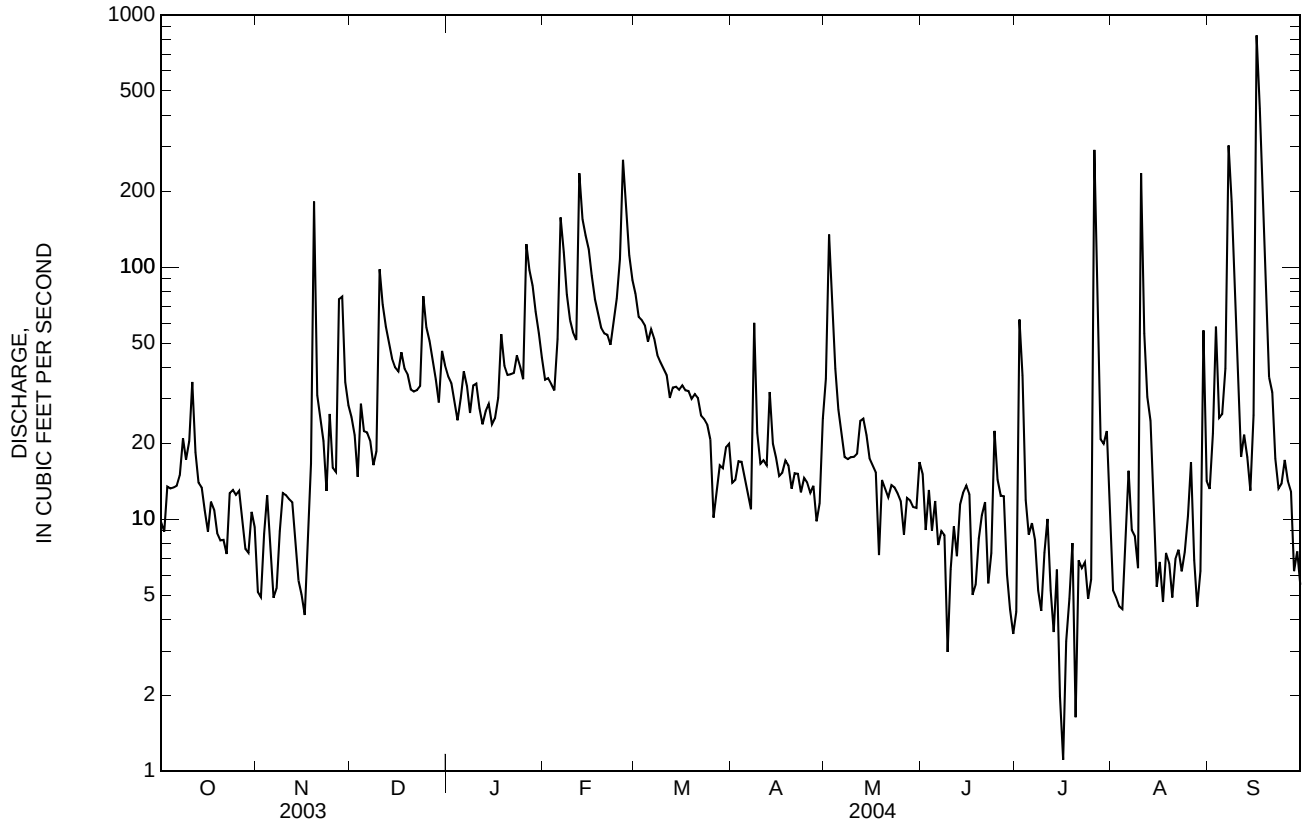
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	12.8	22.8	30.7	27.5	84.8	76.6	73.5	46.2	56.1	110	40.9	51.1
MAX	12.8	23.3	39.6	42.3	92.3	118	130	69.4	103	197	62.2	84.4
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	12.8	22.2	21.9	12.6	77.1	35.4	17.5	23.0	9.61	22.3	19.5	17.8
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

02418760 CHEWACLA CREEK AT CHEWACLA STATE PARK NEAR AUBURN, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	26,225.3		12,756.2			
ANNUAL MEAN	71.9		34.9		34.9	
HIGHEST ANNUAL MEAN					34.9	2004
LOWEST ANNUAL MEAN					34.9	2004
HIGHEST DAILY MEAN	2,740	Jul 1	831	Sep 16	2,740	Jul 1, 2003
LOWEST DAILY MEAN	4.2	Nov 16	1.1	Jul 16	1.1	Jul 16, 2004
ANNUAL SEVEN-DAY MINIMUM	6.9	Nov 1	3.8	Jul 12	3.8	Jul 12, 2004
MAXIMUM PEAK FLOW			1,890	Sep 16	7,180	Jul 1, 2003
MAXIMUM PEAK STAGE			5.93	Sep 16	9.19	Jul 1, 2003
ANNUAL RUNOFF (CFSM)	1.57		0.761		0.761	
ANNUAL RUNOFF (INCHES)	21.30		10.36		10.34	
10 PERCENT EXCEEDS	152		70		70	
50 PERCENT EXCEEDS	35		17		17	
90 PERCENT EXCEEDS	9.1		6.2		6.2	

e Estimated



02419000 UPHAPEE CREEK NEAR TUSKEGEE, AL

LOCATION.--Lat 32° 28'36", long 85° 41'42", in NE $^1/_4$ NE $^1/_4$ 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 mi^2.

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 NGVD of 1929.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)

No peak greater than base discharge.

Minimum discharge, 22 ft^3/s, July 22, 26, gage height, 1.21 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

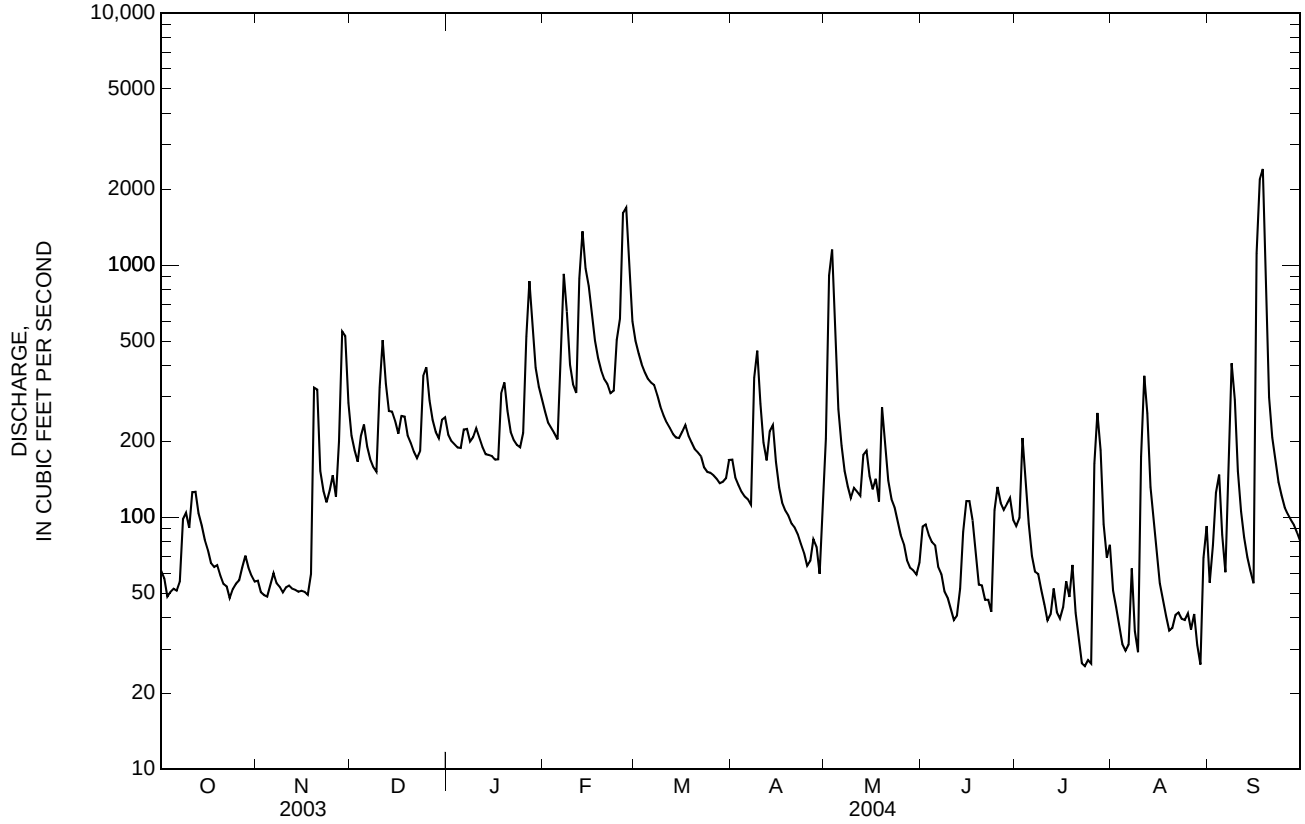
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	56	211	213	262	501	169	205	92	92	51	55
2	57	50	184	201	237	446	144	910	94	99	44	77
3	48	49	166	195	226	404	134	1,150	85	206	37	125
4	51	48	210	189	215	375	126	491	80	144	31	148
5	52	54	233	188	204	354	121	269	77	94	30	85
6	51	60	191	223	476	342	118	192	64	70	31	61
7	55	55	170	224	924	335	112	153	60	61	63	142
8	98	53	158	200	654	305	358	132	51	60	35	408
9	104	50	151	208	402	275	458	119	48	52	29	292
10	91	53	327	225	337	253	282	131	43	45	174	152
11	126	54	505	206	311	238	198	126	39	39	364	105
12	126	52	338	190	885	226	168	122	41	41	259	83
13	104	52	264	178	1,360	214	219	176	52	52	132	70
14	93	51	262	176	971	207	232	183	87	42	99	61
15	81	51	241	175	825	206	166	146	116	40	72	55
16	74	51	214	169	659	219	131	129	116	44	55	1,120
17	66	49	252	170	501	232	114	142	97	56	47	2,190
18	63	60	251	310	429	211	106	115	72	48	41	2,400
19	65	327	211	342	382	198	101	273	54	65	35	639
20	59	321	197	264	353	186	94	195	54	42	36	299
21	54	153	182	218	337	181	91	140	47	33	41	207
22	53	127	171	202	310	174	86	118	47	26	42	169
23	48	115	183	194	317	158	78	110	42	26	40	138
24	52	128	364	189	505	151	72	96	107	27	39	122
25	54	147	393	216	612	150	64	85	132	26	41	109
26	56	121	290	522	1,610	147	67	78	114	163	36	103
27	63	200	243	864	1,690	142	82	68	107	260	41	97
28	70	546	218	568	947	136	76	63	113	185	31	93
29	63	523	206	392	598	138	60	62	119	94	26	87
30	59	284	244	330	---	143	119	59	98	69	69	80
31	55	---	249	294	---	169	---	66	---	78	92	---
TOTAL	2,153	3,940	7,479	8,235	17,539	7,416	4,346	6,304	2,348	2,379	2,163	9,772
MEAN	69.5	131	241	266	605	239	145	203	78.3	76.7	69.8	326
MAX	126	546	505	864	1,690	501	458	1,150	132	260	364	2,400
MIN	48	48	151	169	204	136	60	59	39	26	26	55
CFSM	0.21	0.39	0.72	0.80	1.82	0.72	0.44	0.61	0.24	0.23	0.21	0.98
IN.	0.24	0.44	0.84	0.92	1.96	0.83	0.49	0.70	0.26	0.27	0.24	1.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	105	217	422	615	847	1,102	737	316	178	243	110	89.2
MAX	1,284	2,681	2,042	1,807	2,369	3,412	3,951	1,517	1,435	2,033	553	543
(WY)	(1976)	(1949)	(1954)	(1946)	(1961)	(1943)	(1964)	(1953)	(1989)	(1994)	(1975)	(1969)
MIN	4.92	11.2	31.6	58.9	177	239	127	38.8	16.0	10.0	7.33	1.67
(WY)	(1955)	(1955)	(1955)	(1956)	(2000)	(2004)	(1967)	(2000)	(2000)	(2000)	(1956)	(1954)

02419000 UPHAPEE CREEK NEAR TUSKEGEE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	156,476		74,074			
ANNUAL MEAN	429		202		413	
HIGHEST ANNUAL MEAN					819	1949
LOWEST ANNUAL MEAN					104	2002
HIGHEST DAILY MEAN	5,790	Jul 2	2,400	Sep 18	24,900	Mar 17, 1990
LOWEST DAILY MEAN	43	Sep 20	26	Jul 22	0.80	Sep 14, 1954
ANNUAL SEVEN-DAY MINIMUM	51	Nov 11	35	Jul 19	1.3	Sep 3, 1954
MAXIMUM PEAK FLOW			3,460	Sep 18	32,200	Apr 9, 1964
MAXIMUM PEAK STAGE			9.24	Sep 18	28.18	Apr 9, 1964
ANNUAL RUNOFF (CFSM)	1.29		0.608		1.24	
ANNUAL RUNOFF (INCHES)	17.48		8.27		16.86	
10 PERCENT EXCEEDS	874		392		938	
50 PERCENT EXCEEDS	243		128		150	
90 PERCENT EXCEEDS	60		47		24	



02419500 TALLAPOOSA RIVER AT MILSTEAD, AL

LOCATION.--Lat 32° 26'56", long 85° 53'31", in SW $^1/_4$ 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 mi^2.

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 NGVD of 1929.

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 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.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.12 ft, Feb. 14; minimum gage height, 0.87 ft, Apr. 20.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.66	9.77	4.23	3.19	4.06	1.44	1.37	4.07	5.52	2.24	3.30
2	---	5.43	8.53	6.25	5.59	3.35	1.64	1.88	4.93	5.09	2.55	4.35
3	---	4.56	8.73	3.53	6.64	3.12	1.24	2.83	3.32	4.75	4.41	4.80
4	---	5.53	8.74	2.61	7.97	3.03	1.21	2.30	3.41	4.61	4.77	5.16
5	2.23	5.69	7.54	4.08	8.32	2.97	1.19	1.58	2.50	4.58	3.61	4.95
6	4.05	5.89	6.79	6.36	9.93	2.96	1.15	1.71	2.22	3.90	2.31	3.08
7	3.68	5.89	2.79	8.91	13.03	2.95	1.07	2.42	2.21	3.62	2.18	2.77
8	3.38	5.13	6.55	7.13	13.91	2.85	1.60	2.35	2.16	3.45	2.18	3.31
9	4.35	4.86	5.85	6.88	13.34	3.07	2.03	2.28	2.19	2.64	2.14	4.07
10	3.20	5.81	4.98	5.37	9.70	2.77	2.11	2.28	3.17	3.62	3.86	4.27
11	2.42	5.88	6.95	2.68	10.30	3.15	1.72	2.32	2.40	3.65	5.04	2.92
12	2.40	5.91	6.85	5.05	12.21	3.29	1.28	3.27	2.17	4.34	3.21	2.30
13	3.93	5.60	6.37	4.23	11.61	2.74	1.86	4.92	2.84	3.87	2.57	5.41
14	5.72	6.54	3.82	4.19	11.92	2.62	2.44	4.41	7.84	3.97	2.35	8.90
15	---	4.29	6.47	4.78	11.68	2.60	1.53	2.82	3.80	3.00	2.26	11.97
16	---	2.57	6.69	6.70	12.28	2.65	1.73	2.36	3.06	2.22	2.92	12.30
17	---	4.41	6.33	4.49	11.51	2.68	1.20	4.11	3.69	2.31	3.62	12.40
18	---	7.34	6.61	3.95	9.63	2.62	1.15	4.48	3.79	2.25	3.99	12.28
19	---	11.28	6.75	4.99	7.87	2.53	1.12	4.26	2.73	3.08	4.50	13.51
20	---	13.33	4.33	6.51	3.84	2.49	1.05	5.78	2.30	3.45	4.96	11.63
21	---	13.10	2.61	5.61	3.04	2.45	1.60	5.34	3.07	3.77	2.79	9.94
22	---	10.98	5.69	5.46	2.96	2.41	1.66	3.03	3.47	3.74	2.20	7.46
23	---	9.31	9.14	5.20	2.96	2.15	1.48	2.39	3.50	3.12	3.10	5.64
24	---	9.36	9.82	2.94	3.33	1.62	1.08	2.84	2.76	3.18	3.43	3.75
25	3.53	9.13	4.67	3.56	4.42	1.60	1.04	2.79	2.67	2.32	3.55	2.53
26	3.07	6.92	6.38	7.59	6.20	1.58	1.07	2.37	2.42	2.26	4.23	4.26
27	4.47	4.64	5.38	7.65	6.83	1.59	1.10	2.21	2.38	2.94	4.79	6.17
28	4.90	12.81	4.74	7.38	4.73	1.64	1.07	2.17	2.39	2.68	2.83	8.62
29	4.88	13.37	7.15	6.86	3.79	1.63	1.04	2.21	3.29	3.34	2.22	8.49
30	4.25	12.40	7.00	6.35	---	1.55	1.20	2.19	4.61	3.79	2.93	8.10
31	4.20	---	8.18	5.88	---	1.36	---	3.61	---	2.42	3.17	---
MEAN	---	7.45	6.52	5.40	8.03	2.52	1.40	2.93	3.18	3.47	3.26	6.62
MAX	---	13.37	9.82	8.91	13.91	4.06	2.44	5.78	7.84	5.52	5.04	13.51
MIN	---	2.57	2.61	2.61	2.96	1.36	1.04	1.37	2.16	2.22	2.14	2.30

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 mi^2.

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 NGVD of 1929.

REMARKS.--Estimated daily discharges: Dec. 23-29, Jan. 8-12, Feb. 18, June 19, Sept. 12. 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.

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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,300 ft^3/s, Sept. 17, gage height, 18.03 ft; minimum discharge, 926 ft^3/s, Apr. 25, 26, 29, gage height, 2.60 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,040	4,240	11,100	6,240	4,410	4,960	1,260	1,160	3,880	6,240	1,580	2,520
2	4,550	5,050	9,170	3,390	3,970	3,790	1,400	1,440	3,710	6,590	1,510	2,420
3	4,180	4,800	8,260	5,080	6,350	3,090	1,270	4,000	3,840	6,680	1,910	5,310
4	3,450	4,120	8,590	2,180	6,770	2,850	1,140	4,190	2,310	7,060	4,030	7,140
5	2,130	4,680	8,370	2,340	7,850	2,660	1,120	2,490	2,630	4,890	3,670	6,720
6	2,240	4,920	8,060	4,850	9,790	2,590	1,100	1,550	1,770	4,320	2,550	4,760
7	3,980	4,950	3,900	6,950	15,200	2,580	1,050	1,780	2,030	3,020	1,460	2,180
8	3,070	4,840	4,150	e8,400	16,500	2,460	1,520	1,830	1,730	3,260	1,450	4,680
9	3,400	3,790	6,580	e7,050	15,800	2,330	2,170	1,750	1,590	2,560	1,430	4,480
10	4,330	4,530	4,560	e5,450	11,500	2,430	2,040	1,710	1,580	1,860	1,560	4,000
11	2,710	5,010	6,990	e4,370	10,900	2,340	1,780	1,700	2,380	3,160	3,640	4,370
12	3,080	4,970	7,940	e6,530	13,500	2,290	1,410	1,680	1,570	2,720	4,090	e3,340
13	3,250	4,600	7,060	4,430	15,800	2,500	1,970	3,420	1,540	4,310	1,950	2,030
14	4,880	5,610	4,870	3,760	15,800	2,060	2,480	3,970	5,150	2,610	1,680	7,820
15	5,400	4,990	5,240	3,630	15,500	2,050	1,760	3,440	6,110	3,590	1,580	11,500
16	4,640	2,760	6,480	5,850	14,500	2,080	1,620	1,920	5,860	1,830	1,510	14,000
17	4,310	2,030	6,480	5,160	13,200	2,150	1,360	1,880	4,640	1,690	2,080	22,200
18	3,970	5,790	6,380	4,280	e11,200	2,120	1,140	4,230	4,420	1,670	2,830	22,600
19	2,210	10,700	6,740	4,870	9,090	2,050	1,080	4,360	e2,500	1,580	3,470	19,900
20	2,160	13,400	5,620	7,070	5,690	2,000	1,050	4,630	1,920	2,550	4,100	14,600
21	3,780	13,400	3,070	5,820	2,920	1,980	1,080	6,130	1,780	2,440	4,370	11,100
22	4,760	11,400	3,520	5,280	2,680	1,920	1,350	4,990	2,480	2,890	1,580	8,660
23	4,840	8,920	e7,430	5,080	2,590	1,880	1,330	2,240	2,740	2,980	1,510	5,990
24	5,030	9,290	e10,800	3,920	3,240	1,540	1,090	2,030	2,920	2,220	2,480	5,830
25	4,390	8,840	e11,800	2,530	4,780	1,420	944	2,320	2,620	2,090	2,660	2,250
26	2,530	8,280	e3,940	6,920	10,300	1,390	945	2,180	2,200	1,580	3,240	1,960
27	2,840	4,730	e6,260	9,080	11,200	1,380	971	1,770	1,950	1,730	5,150	4,260
28	3,960	10,800	e5,130	9,300	9,350	1,380	970	1,690	1,900	2,120	4,350	7,630
29	3,860	15,400	e7,320	8,650	7,540	1,370	945	1,640	2,630	1,690	1,620	8,450
30	3,940	14,700	6,270	7,440	---	1,400	1,050	1,590	4,510	2,810	1,780	7,760
31	3,120	---	6,470	6,280	---	1,330	---	1,680	---	2,730	2,820	---
TOTAL	114,030	211,540	208,550	172,180	277,920	68,370	40,395	81,390	86,890	97,470	79,640	230,460
MEAN	3,678	7,051	6,727	5,554	9,583	2,205	1,346	2,625	2,896	3,144	2,569	7,682
MAX	5,400	15,400	11,800	9,300	16,500	4,960	2,480	6,130	6,110	7,060	5,150	22,600
MIN	2,130	2,030	3,070	2,180	2,590	1,330	944	1,160	1,540	1,580	1,430	1,960
CFSM	0.79	1.52	1.45	1.20	2.06	0.47	0.29	0.57	0.62	0.68	0.55	1.65
IN.	0.91	1.69	1.67	1.38	2.23	0.55	0.32	0.65	0.70	0.78	0.64	1.85

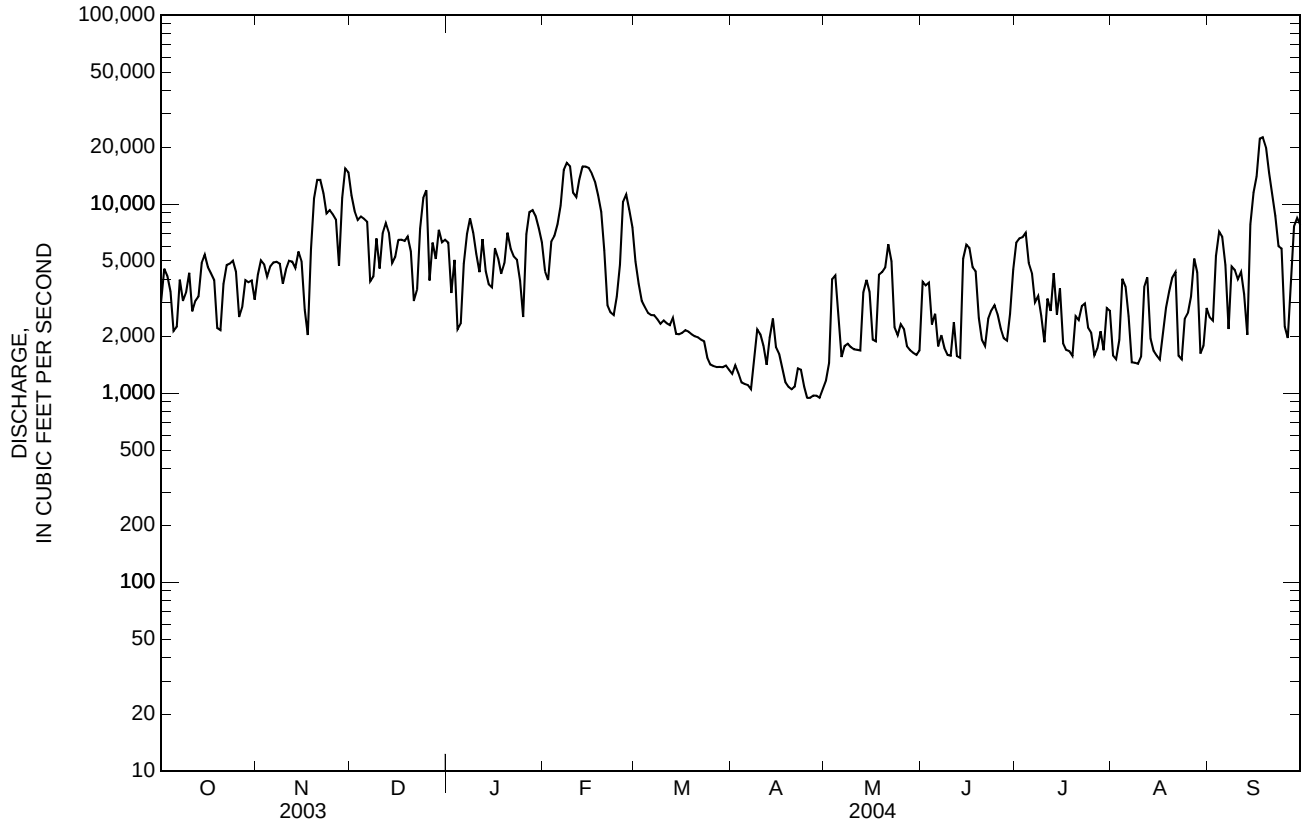
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	3,936	5,017	7,013	7,939	10,350	12,300	6,601	5,506	4,918	4,740	3,209	3,207
MAX	13,100	10,720	13,940	14,830	20,630	25,230	12,390	23,340	12,330	16,470	7,593	7,682
(WY)	(1996)	(1996)	(1998)	(1998)	(1996)	(2001)	(2001)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	1,587	1,765	3,088	3,979	2,770	2,205	1,346	1,543	1,561	1,615	1,685	1,736
(WY)	(2001)	(2001)	(2000)	(2000)	(2000)	(2004)	(2004)	(2000)	(2002)	(2002)	(2000)	(2000)

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	3,687,230		1,668,835			
ANNUAL MEAN	10,100		4,560		6,212	
HIGHEST ANNUAL MEAN					10,440	2003
LOWEST ANNUAL MEAN					2,635	2000
HIGHEST DAILY MEAN	70,500	May 10	22,600	Sep 18	82,000	Mar 10, 1998
LOWEST DAILY MEAN	2,030	Nov 17	944	Apr 25	256	Oct 21, 1997
ANNUAL SEVEN-DAY MINIMUM	3,020	Aug 31	988	Apr 24	874	Apr 30, 2002
MAXIMUM PEAK FLOW			23,300	Sep 17	90,800	Mar 10, 1998
MAXIMUM PEAK STAGE			18.03	Sep 17	34.59	Mar 10, 1998
ANNUAL RUNOFF (CFSM)	2.17		0.981		1.34	
ANNUAL RUNOFF (INCHES)	29.52		13.36		18.17	
10 PERCENT EXCEEDS	20,300		9,110		14,500	
50 PERCENT EXCEEDS	6,830		3,610		3,480	
90 PERCENT EXCEEDS	3,480		1,510		1,510	

e Estimated



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

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.79	5.86	11.01	7.48	6.01	7.03	3.21	2.97	5.84	7.65	3.56	4.63
2	6.13	6.54	9.69	5.06	5.60	6.22	3.39	3.36	5.73	7.91	3.47	4.53
3	5.80	6.33	9.06	6.54	7.64	5.59	3.20	6.00	5.81	7.99	3.95	7.00
4	5.15	5.76	9.29	3.92	7.96	5.36	2.99	6.18	4.41	8.24	5.97	8.30
5	3.87	6.24	9.13	4.08	8.77	5.17	2.94	4.60	4.73	6.65	5.62	7.99
6	3.97	6.45	8.92	6.38	10.12	5.10	2.90	3.52	3.79	6.21	4.64	6.54
7	5.63	6.48	5.56	8.08	13.56	5.09	2.81	3.80	4.10	5.11	3.39	4.27
8	4.82	6.38	5.72	---	14.37	4.96	3.47	3.87	3.75	5.32	3.38	6.50
9	5.13	5.47	7.81	---	13.97	4.83	4.27	3.78	3.57	4.67	3.35	6.35
10	5.94	6.11	6.14	---	11.25	4.92	4.12	3.72	3.55	3.91	3.52	5.97
11	4.48	6.52	8.12	---	10.87	4.83	3.81	3.71	4.47	5.23	5.69	6.22
12	4.84	6.49	8.84	---	12.55	4.77	3.33	3.69	3.55	4.83	6.02	---
13	5.01	6.17	8.19	6.03	13.96	4.97	4.03	5.48	3.50	6.17	4.01	4.00
14	6.41	7.03	6.40	5.46	13.94	4.49	4.60	5.97	6.73	4.71	3.68	8.77
15	6.82	6.51	6.68	5.34	13.77	4.46	3.77	5.49	7.56	5.58	3.55	11.29
16	6.19	4.52	7.74	7.23	13.19	4.49	3.60	3.98	7.39	3.87	3.46	12.84
17	5.91	3.75	7.74	6.65	12.34	4.55	3.25	3.93	6.50	3.70	4.15	17.47
18	5.61	7.16	7.67	5.90	---	4.49	2.94	6.14	6.29	3.67	4.92	17.69
19	3.95	10.76	7.94	6.40	9.65	4.41	2.85	6.28	---	3.55	5.49	16.29
20	3.89	12.52	7.03	8.20	7.42	4.33	2.80	6.52	3.97	4.64	6.03	13.24
21	5.47	12.53	4.82	7.20	5.43	4.29	2.84	7.57	3.81	4.54	6.19	10.97
22	6.31	11.21	5.18	6.75	5.19	4.21	3.25	6.70	4.58	4.97	3.56	9.34
23	6.38	9.51	8.05	6.59	5.10	4.15	3.22	4.34	4.85	5.05	3.47	7.45
24	6.54	9.78	---	5.57	5.73	3.71	2.85	4.11	5.02	4.30	4.57	7.33
25	5.98	9.45	---	4.29	6.90	3.53	2.63	4.42	4.74	4.16	4.76	4.35
26	4.29	9.05	---	8.02	10.45	3.48	2.63	4.27	4.30	3.56	5.32	4.02
27	4.60	6.27	---	9.64	11.12	3.44	2.67	3.80	4.02	3.75	6.81	6.20
28	5.63	10.68	---	9.80	9.83	3.43	2.67	3.69	3.95	4.21	6.19	8.64
29	5.55	13.72	---	9.35	8.60	3.41	2.63	3.63	4.75	3.69	3.60	9.21
30	5.61	13.31	7.58	8.47	---	3.43	2.80	3.57	6.40	4.91	3.80	8.73
31	4.88	---	7.72	7.58	---	3.32	---	3.69	---	4.81	4.94	---
MEAN	5.34	7.95	---	---	---	4.53	3.22	4.61	---	5.08	4.55	---
MAX	6.82	13.72	---	---	---	7.03	4.60	7.57	---	8.24	6.81	---
MIN	3.87	3.75	---	---	---	3.32	2.63	2.97	---	3.55	3.35	---

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

LOCATION.--Lat 32° 23'31", long 86° 19'04", in SE $^1/_4$ NE $^1/_4$ SW $^1/_4$ 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 mi^2.

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 NGVD of 1929. Prior to July 1, 1970, located 0.4 mi downstream on left bank at foot of Commerce Street at same datum.

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

EXTREMES 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 FOR CURRENT YEAR.--Maximum gage height, 31.08 ft, Sept. 17; minimum gage height, 19.84 ft, Oct. 14.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.54	21.79	22.76	21.99	21.83	23.10	21.81	21.93	22.20	22.61	21.52	22.03
2	21.43	21.79	22.67	22.09	22.49	23.01	22.33	22.25	22.24	22.07	21.80	21.54
3	21.35	21.54	22.41	22.40	22.64	22.74	21.00	23.33	21.98	22.34	21.73	21.94
4	21.40	21.95	22.47	21.80	22.17	22.61	20.86	22.91	22.21	22.70	21.80	22.51
5	21.66	22.07	22.69	21.94	22.39	21.76	20.78	22.55	22.17	22.78	21.61	22.17
6	21.94	22.40	22.47	22.63	24.42	22.10	20.90	21.56	21.93	21.89	21.20	22.25
7	22.05	22.20	21.81	22.63	26.16	23.35	21.56	20.66	21.90	22.19	21.17	22.29
8	21.30	21.96	22.34	22.69	26.64	23.31	22.11	20.91	21.83	22.20	20.54	22.14
9	21.03	21.85	22.51	22.22	26.96	22.34	22.15	21.30	21.77	21.71	20.71	22.14
10	21.69	22.08	22.63	22.79	26.67	21.89	21.54	21.70	21.54	21.62	20.87	22.20
11	21.54	22.06	22.57	22.69	25.61	22.31	21.85	21.89	21.30	21.61	21.67	22.44
12	20.81	21.63	22.60	22.24	26.47	22.70	21.73	22.17	21.45	22.14	22.35	22.32
13	20.76	21.31	23.06	21.75	27.98	22.21	22.21	21.39	21.49	22.07	22.12	21.94
14	20.91	21.11	22.25	21.72	27.56	21.55	21.84	21.33	22.61	21.91	21.84	21.63
15	21.94	21.19	22.30	21.54	26.57	21.91	21.98	20.86	22.53	21.85	21.57	23.24
16	22.21	21.90	22.06	21.89	25.17	22.29	21.77	21.08	22.13	21.62	21.47	25.48
17	21.95	21.86	22.72	22.08	25.03	22.12	21.49	21.70	21.94	21.73	21.15	30.11
18	22.07	21.93	22.85	22.01	25.00	21.88	21.34	21.76	22.28	21.70	20.82	30.16
19	21.98	23.12	23.06	22.31	24.03	21.94	21.83	22.30	21.99	22.07	21.19	28.94
20	21.95	23.40	22.39	22.42	23.47	22.40	21.65	22.32	21.76	22.29	21.89	26.98
21	21.53	23.15	22.01	22.03	21.72	22.35	21.38	22.28	21.97	22.10	22.24	25.74
22	21.19	22.46	22.29	22.31	21.16	21.94	21.64	21.73	22.24	21.63	22.30	24.45
23	21.45	22.65	22.47	22.11	21.31	21.64	22.40	22.03	21.89	21.60	22.06	23.23
24	21.83	22.80	23.34	21.73	22.26	21.16	21.51	21.78	22.18	21.78	21.83	---
25	21.95	22.80	22.91	22.68	23.30	21.11	21.23	21.26	22.67	22.17	21.98	---
26	21.93	22.52	21.66	24.79	24.62	21.50	20.83	20.63	22.46	22.32	22.29	---
27	21.52	22.49	22.36	24.67	23.46	21.57	21.01	20.58	21.99	22.34	22.44	---
28	21.56	23.88	22.24	24.42	23.24	21.91	21.36	21.10	23.27	22.03	21.95	---
29	21.27	23.95	22.47	23.89	22.13	21.77	21.54	21.24	22.08	21.91	22.10	---
30	21.81	23.57	22.74	24.18	---	21.69	21.87	21.66	22.63	21.63	21.75	---
31	21.91	---	22.94	22.79	---	21.76	---	21.81	---	21.46	21.86	---
MEAN	21.56	22.31	22.52	22.56	24.22	22.13	21.58	21.68	22.09	22.00	21.67	---
MAX	22.21	23.95	23.34	24.79	27.98	23.35	22.40	23.33	23.27	22.78	22.44	---
MIN	20.54	21.11	21.66	21.54	21.16	21.11	20.78	20.58	21.30	21.46	20.54	---

CAL YR 2003 MEAN 24.00 MAX 40.83 MIN 20.27

02420000 ALABAMA RIVER NEAR MONTGOMERY, AL

LOCATION.--Lat 32° 24'41", long 86° 24'30", in SW $^1/_4$ NW $^1/_4$ 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 mi^2.

PERIOD OF RECORD.--January 1899 to December 1904, October 1999 to September 2001 (gage heights only). October 1927 to September 1990. October 1990 to September 2001 (flood hydrograph). October 2001 to Current Year. 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 NGVD of 1929. 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.--No estimated daily discharge. 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.

EXTREMES FOR PERIOD OF RECORD.--Minimum discharge prior to 1972, 2,180 ft^3/s, Nov. 24, 1941, since 1972 negative flows for part of many days; 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 ft^3/s, from rating curve extended above 276,000 ft^3/s. Flood of Mar. 30, 1888, reached a stage of 60.6 ft, from floodmarks, discharge, 283,000 ft^3/s, from rating curve extended above 276,000 ft^3/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, 155,000 ft^3/s, May 11, gage height, 41.91 ft; minimum discharge, -3,780 ft^3/s, Oct. 4, gage height, 27.31 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

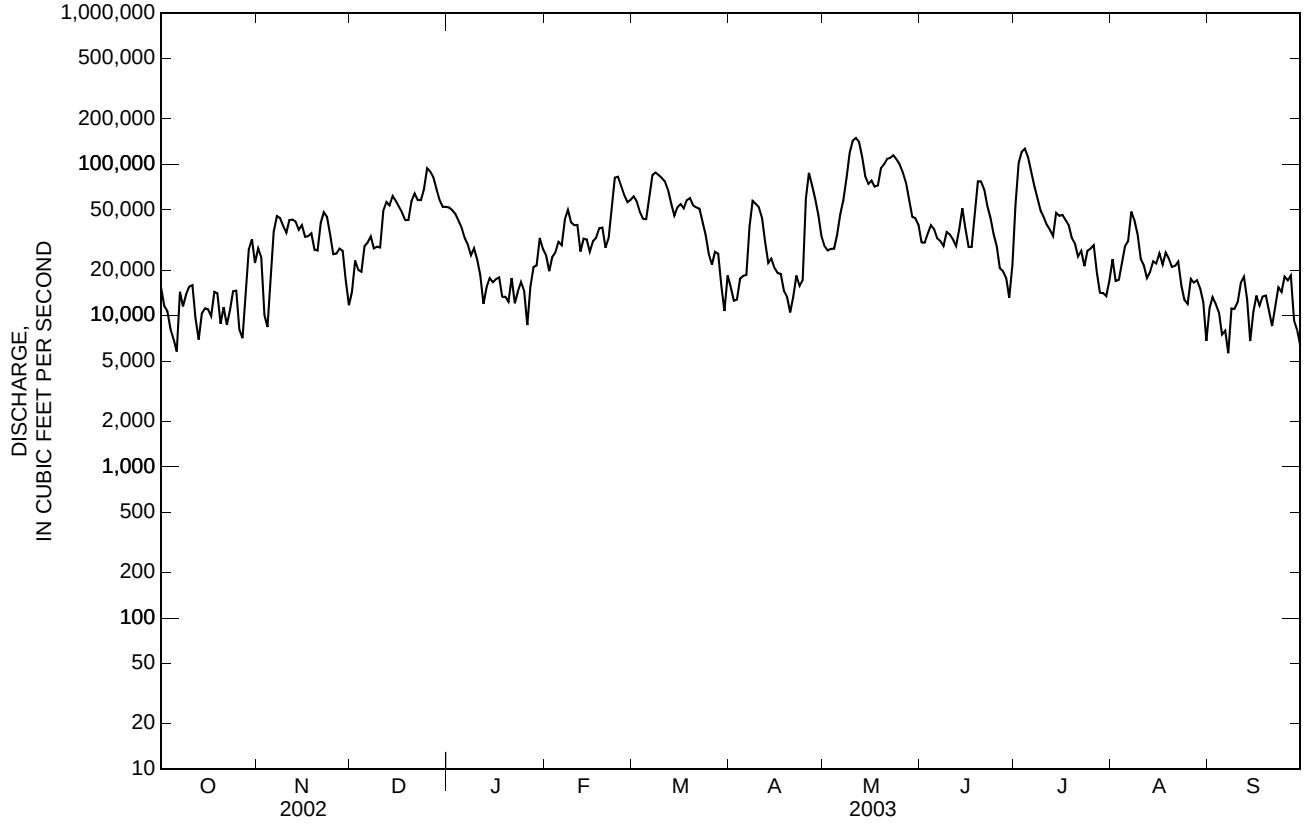
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15,300	27,800	14,300	51,800	25,100	61,400	15,500	28,800	30,400	53,900	23,600	11,200
2	11,600	24,400	23,100	49,900	19,700	56,800	12,500	26,900	30,400	102,000	16,900	13,200
3	10,700	10,100	20,100	47,200	24,400	48,500	12,700	27,600	35,000	121,000	17,200	11,900
4	8,140	8,400	19,500	42,700	26,200	43,600	17,500	27,700	39,600	127,000	22,300	10,500
5	6,960	16,600	28,900	38,300	30,700	43,300	18,300	34,100	37,200	112,000	28,800	7,480
6	5,790	36,000	30,300	32,600	29,200	61,800	18,500	46,800	32,400	89,500	31,100	7,920
7	14,400	45,400	33,300	29,500	43,200	84,700	38,900	57,800	31,100	71,800	48,700	5,630
8	11,500	44,200	27,800	25,000	49,800	88,100	57,200	80,900	28,800	59,900	42,900	11,100
9	13,800	39,300	28,500	27,800	41,200	84,800	54,700	120,000	35,700	49,500	34,500	11,100
10	15,500	35,300	28,200	23,400	39,500	81,200	52,200	143,000	34,400	45,000	23,700	12,300
11	15,900	42,800	49,100	18,500	39,700	77,100	44,200	149,000	31,900	39,800	21,500	16,500
12	9,610	43,000	56,300	12,000	26,500	67,500	30,800	141,000	28,900	36,900	17,700	18,000
13	6,940	41,900	53,500	15,400	32,300	54,700	22,300	112,000	36,900	33,600	19,300	12,700
14	10,300	36,900	61,600	17,700	31,900	45,700	23,800	83,500	51,100	47,700	22,800	6,780
15	11,100	39,700	57,200	16,600	26,300	52,100	20,600	74,300	37,700	45,600	22,100	10,600
16	11,000	33,200	52,300	17,400	31,000	54,600	19,100	78,100	28,400	46,200	25,800	13,600
17	9,920	33,500	48,100	17,900	32,600	51,100	18,900	71,200	28,400	42,800	21,800	11,600
18	14,300	35,000	42,800	13,300	37,800	58,000	14,500	72,300	46,300	39,600	26,100	13,300
19	14,000	27,300	42,900	13,300	38,200	59,800	13,300	93,900	77,100	32,500	23,800	13,500
20	8,820	26,900	57,000	12,400	28,100	53,500	10,500	100,000	77,100	29,800	20,900	10,600
21	11,300	40,900	64,000	17,700	32,400	51,800	13,300	108,000	68,100	24,600	21,300	8,530
22	8,680	48,200	58,200	12,100	53,700	50,900	18,400	110,000	53,100	26,800	22,700	11,300
23	10,900	44,900	58,000	14,400	81,500	42,000	15,700	115,000	44,100	21,200	15,700	15,300
24	14,500	34,100	68,500	16,700	82,700	34,000	17,200	108,000	34,700	26,900	12,700	14,300
25	14,600	25,500	94,300	14,600	72,100	25,600	59,400	100,000	28,700	27,700	12,000	18,100
26	8,120	25,700	89,700	8,650	62,700	21,700	87,600	88,600	20,600	29,200	17,400	17,100
27	7,080	27,700	81,900	15,400	56,300	26,400	72,400	75,400	19,700	19,100	16,500	18,400
28	14,000	26,800	68,300	20,900	58,100	25,600	59,300	59,100	17,700	14,100	17,100	9,340
29	27,200	17,200	58,100	21,400	---	15,600	46,100	44,900	13,100	14,100	15,200	7,980
30	31,900	11,700	52,300	32,500	---	10,700	33,700	44,100	21,600	13,400	12,200	6,330
31	22,300	---	52,400	27,600	---	18,400	---	39,700	---	17,000	6,800	---
TOTAL	396,160	950,400	1,520,500	724,650	1,152,900	1,551,000	939,100	2,461,700	1,100,200	1,460,200	681,100	356,190
MEAN	12,780	31,680	49,050	23,380	41,180	50,030	31,300	79,410	36,670	47,100	21,970	11,870
MAX	31,900	48,200	94,300	51,800	82,700	88,100	87,600	149,000	77,100	127,000	48,700	18,400
MIN	5,790	8,400	14,300	8,650	19,700	10,700	10,500	26,900	13,100	13,400	6,800	5,630
CFSM	0.85	2.10	3.25	1.55	2.73	3.32	2.07	5.26	2.43	3.12	1.46	0.79
IN.	0.98	2.34	3.75	1.79	2.84	3.82	2.32	6.07	2.71	3.60	1.68	0.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

MEAN	10,990	15,110	24,050	34,260	39,810	46,100	40,560	24,660	15,580	14,270	11,980	10,790
MAX	41,260	70,200	79,530	79,550	101,100	127,000	127,200	79,410	59,320	47,100	34,880	30,470
(WY)	(1976)	(1930)	(1933)	(1936)	(1990)	(1929)	(1979)	(2003)	(1989)	(2003)	(1939)	(1975)
MIN	3,965	5,447	6,518	5,848	11,400	10,580	6,317	4,681	4,513	4,116	4,210	4,113
(WY)	(1987)	(1988)	(1955)	(1981)	(1934)	(1988)	(1986)	(1986)	(1986)	(1988)	(1988)	(1986)

02420000 ALABAMA RIVER NEAR MONTGOMERY, AL--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	6,985,630		13,294,100			
ANNUAL MEAN	19,140		36,420		23,930	
HIGHEST ANNUAL MEAN					38,390	1949
LOWEST ANNUAL MEAN					9,215	1986
HIGHEST DAILY MEAN	94,300	Dec 25	149,000	May 11	275,000	Feb 27, 1961
LOWEST DAILY MEAN	4,930	Aug 24	5,630	Sep 7	255	Jun 8, 1975
ANNUAL SEVEN-DAY MINIMUM	5,980	Sep 9	9,380	Sep 3	3,300	Jul 25, 1988
MAXIMUM PEAK FLOW			155,000	May 11	283,000	Feb 26, 1961
MAXIMUM PEAK STAGE			42.22	May 11	60.65	Feb 27, 1961
ANNUAL RUNOFF (CFSM)	1.27		2.41		1.59	
ANNUAL RUNOFF (INCHES)	17.22		32.78		21.55	
10 PERCENT EXCEEDS	45,300		73,200		54,300	
50 PERCENT EXCEEDS	11,400		28,800		14,800	
90 PERCENT EXCEEDS	6,390		11,300		6,640	



02420000 ALABAMA RIVER NEAR MONTGOMERY, AL

LOCATION.--Lat 32° 24'41", long 86° 24'30", in SW $^1/_4$ NW $^1/_4$ 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 mi^2.

PERIOD OF RECORD.--January 1899 to December 1904, October 1999 to September 2001 (gage heights only). October 1927 to September 1990. October 1990 to September 2001 (flood hydrograph). October 2001 to Current Year. 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 NGVD of 1929. 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.--Estimated daily discharges: Oct. 9, and Sep. 6-13. 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. 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.--Minimum discharge prior to 1972, 2,180 ft^3/s, Nov. 24, 1941, since 1972 negative flows for part of many days; 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 ft^3/s, from rating curve extended above 276,000 ft^3/s. Flood of Mar. 30, 1888, reached a stage of 60.6 ft, from floodmarks, discharge, 283,000 ft^3/s, from rating curve extended above 276,000 ft^3/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, 88,300 ft^3/s, Sept. 17, gage height, 33.66 ft; minimum discharge, -4,070 ft^3/s, July 18, gage height, 27.16 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,380	8,140	31,000	16,800	21,400	25,600	12,100	18,100	12,200	25,000	6,860	6,740
2	11,900	8,070	24,200	19,000	22,600	24,200	15,100	21,400	12,400	24,200	10,300	8,150
3	11,400	12,600	22,100	15,500	24,700	25,200	9,900	25,800	10,000	22,300	11,900	13,100
4	6,020	11,700	21,100	7,250	26,800	22,900	6,990	26,800	11,200	20,200	12,500	16,100
5	6,110	11,800	22,300	15,200	24,800	19,900	7,920	22,400	10,400	19,400	11,300	14,600
6	8,500	14,100	20,200	25,400	41,600	20,700	7,170	11,700	9,860	15,600	8,450	e10,200
7	10,600	14,500	7,870	30,400	54,900	32,200	7,410	9,310	10,600	18,000	6,880	e10,800
8	15,500	8,850	15,000	26,200	58,300	34,500	8,660	7,530	9,130	17,300	7,450	e9,330
9	e12,900	6,980	22,100	26,800	61,600	26,800	9,320	7,840	7,340	14,100	6,680	e6,920
10	14,700	13,100	19,100	25,200	57,900	24,000	9,080	8,280	8,680	12,300	7,060	e6,280
11	9,530	12,300	19,500	20,500	51,600	24,000	12,300	10,800	8,600	12,300	10,900	e6,480
12	8,130	12,500	23,100	17,800	56,300	20,800	11,600	14,100	7,640	13,200	13,300	e8,710
13	9,130	11,600	26,000	15,800	65,100	15,400	13,400	13,000	8,970	15,100	11,800	e16,600
14	14,800	12,500	14,900	11,200	62,800	6,900	15,600	14,300	20,900	11,300	7,480	23,500
15	13,900	7,260	19,200	14,700	57,100	14,000	15,900	10,300	21,000	11,400	7,420	41,700
16	13,000	6,460	20,000	15,600	45,500	13,000	15,800	8,910	16,600	10,100	5,970	52,400
17	11,100	11,200	21,100	14,400	46,100	16,000	8,860	9,250	12,200	5,750	7,280	82,000
18	12,000	17,300	24,800	7,950	45,600	11,400	8,170	10,900	8,340	5,370	7,290	75,800
19	11,700	25,300	26,700	15,500	38,100	14,400	11,100	16,600	9,170	10,800	9,370	67,800
20	9,350	31,300	21,700	18,700	32,100	11,400	8,290	17,200	6,610	11,100	9,740	59,600
21	9,890	30,800	9,970	18,500	22,600	9,170	6,910	16,500	8,980	9,600	9,310	51,400
22	8,710	27,100	16,000	16,400	14,700	11,500	9,110	12,200	10,200	11,500	6,590	41,400
23	8,880	22,700	19,100	14,900	19,700	11,400	13,100	10,000	10,900	8,670	9,660	31,800
24	9,420	25,000	28,200	10,900	15,100	9,080	10,800	10,200	14,700	8,220	10,300	27,100
25	9,110	27,300	21,700	17,900	25,400	6,730	7,660	11,000	18,400	6,070	11,100	18,800
26	6,290	23,500	20,600	42,800	37,200	6,970	10,000	10,100	16,300	11,100	14,000	12,700
27	11,300	21,600	15,200	43,000	30,500	5,240	6,950	7,690	17,400	12,600	14,700	19,400
28	12,500	35,400	8,420	41,700	25,600	4,360	8,230	7,790	32,200	12,400	10,700	21,800
29	13,800	36,000	22,600	36,900	18,100	9,740	6,650	7,550	20,100	12,200	7,960	23,900
30	12,700	34,400	25,600	38,900	---	9,150	14,200	7,260	23,000	11,700	9,240	21,200
31	11,100	---	26,100	30,900	---	7,930	---	9,120	---	6,560	6,320	---
TOTAL	330,350	541,360	635,460	672,700	1,103,800	494,570	308,280	393,930	394,020	405,440	289,810	806,310
MEAN	10,660	18,050	20,500	21,700	38,060	15,950	10,280	12,710	13,130	13,080	9,349	26,880
MAX	15,500	36,000	31,000	43,000	65,100	34,500	15,900	26,800	32,200	25,000	14,700	82,000
MIN	6,020	6,460	7,870	7,250	14,700	4,360	6,650	7,260	6,610	5,370	5,970	6,280
CFSM	0.71	1.20	1.36	1.44	2.52	1.06	0.68	0.84	0.87	0.87	0.62	1.78
IN.	0.81	1.33	1.57	1.66	2.72	1.22	0.76	0.97	0.97	1.00	0.71	1.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, BY WATER YEAR (WY)

MEAN	10,980	15,160	23,990	34,070	39,780	45,640	40,100	24,480	15,550	14,250	11,940	11,030
MAX	41,260	70,200	79,530	79,550	101,100	127,000	127,200	79,410	59,320	47,100	34,880	30,470
(WY)	(1976)	(1930)	(1933)	(1936)	(1990)	(1929)	(1979)	(2003)	(1989)	(2003)	(1939)	(1975)
MIN	3,965	5,447	6,518	5,848	11,400	10,580	6,317	4,681	4,513	4,116	4,210	4,113
(WY)	(1987)	(1988)	(1955)	(1981)	(1934)	(1988)	(1986)	(1986)	(1986)	(1988)	(1988)	(1986)

02420000 ALABAMA RIVER NEAR MONTGOMERY, AL--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004	
ANNUAL TOTAL	11,934,210		6,376,030			
ANNUAL MEAN	32,700		17,420		23,830	
HIGHEST ANNUAL MEAN					38,390	1949
LOWEST ANNUAL MEAN					9,215	1986
HIGHEST DAILY MEAN	149,000	May 11	82,000	Sep 17	275,000	Feb 27, 1961
LOWEST DAILY MEAN	5,630	Sep 7	4,360	Mar 28	255	Jun 8, 1975
ANNUAL SEVEN-DAY MINIMUM	8,020	Sep 29	7,160	Mar 25	3,300	Jul 25, 1988
MAXIMUM PEAK FLOW			88,300	Sep 17	283,000	Feb 26, 1961
MAXIMUM PEAK STAGE			34.02	Sep 17	60.65	Feb 27, 1961
ANNUAL RUNOFF (CFSM)	2.17		1.15		1.58	
ANNUAL RUNOFF (INCHES)	29.43		15.72		21.46	
10 PERCENT EXCEEDS	71,900		31,400		54,000	
50 PERCENT EXCEEDS	23,800		13,000		14,800	
90 PERCENT EXCEEDS	10,600		7,290		6,660	

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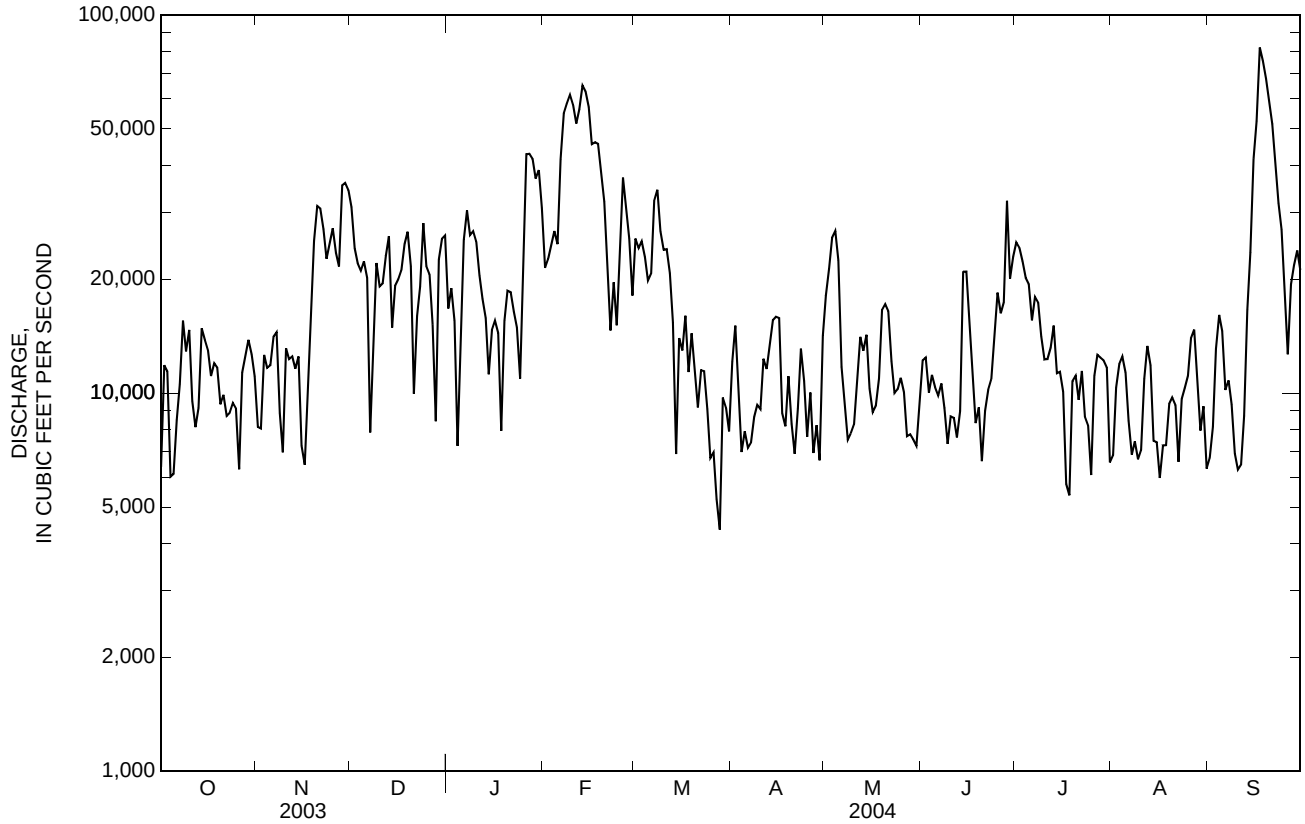


02420000 ALABAMA RIVER NEAR MONTGOMERY, AL--Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.09	27.29	27.74	27.20	27.02	28.25	27.25	27.25	27.58	27.71	27.02	27.47
2	26.91	27.32	27.80	27.41	27.68	28.22	27.64	27.47	27.61	27.16	27.19	26.95
3	26.79	26.97	27.62	27.77	27.74	27.81	26.38	28.50	27.41	27.59	27.09	27.28
4	26.96	27.40	27.73	27.31	27.20	27.81	26.33	28.03	27.61	28.00	27.14	27.82
5	27.20	27.53	27.88	27.27	27.52	26.94	26.23	27.74	27.61	28.00	26.98	27.50
6	27.46	27.81	27.73	27.73	29.27	27.45	26.41	26.87	27.38	27.17	26.63	30
7	27.53	27.62	27.28	27.58	30.29	28.25	27.05	26.08	27.33	27.49	26.59	27.65
8	26.58	27.46	27.67	27.74	30.60	28.11	27.58	26.40	27.26	27.48	25.93	27.56
9	---	27.37	27.73	27.28	30.76	27.30	27.59	26.77	27.23	27.03	26.15	30
10	27.10	27.51	27.91	27.92	30.55	26.93	26.97	27.14	26.96	27.02	26.34	27.65
11	27.00	27.48	27.84	27.91	29.71	27.45	27.28	27.34	26.78	27.00	27.09	27.83
12	26.33	27.01	27.83	27.53	30.59	27.92	27.12	27.52	26.92	27.51	27.74	27.76
13	26.20	26.69	28.22	27.03	31.68	27.50	27.61	26.74	26.97	27.33	27.48	---
14	26.34	26.50	27.52	27.14	31.25	27.03	27.08	26.67	27.91	27.24	27.29	26.73
15	27.38	26.71	27.53	26.82	30.45	27.27	27.34	26.34	27.82	27.20	27.03	27.91
16	27.65	27.38	27.27	27.24	29.43	27.63	27.04	26.57	27.44	27.00	26.92	30.12
17	27.38	27.27	28.02	27.48	29.43	27.40	26.96	27.14	27.36	27.18	26.56	33.45
18	27.53	27.25	28.00	27.55	29.39	27.22	26.84	27.20	27.74	27.16	26.28	33.40
19	27.42	28.37	28.15	27.67	28.62	27.35	27.25	27.66	27.41	27.48	26.65	32.43
20	27.43	28.42	27.54	27.67	28.30	27.86	27.07	27.64	27.21	27.68	27.35	30.73
21	26.92	28.16	27.49	27.30	26.74	27.77	26.86	27.61	27.41	27.47	27.65	29.83
22	26.67	27.54	27.58	27.61	26.53	27.33	27.12	27.15	27.66	27.01	27.74	28.92
23	26.97	27.92	27.77	27.45	26.56	26.97	27.81	27.48	27.30	27.05	27.43	27.97
24	27.33	27.98	28.45	27.20	27.63	26.55	26.85	27.19	27.56	27.24	27.21	27.34
25	27.44	27.87	28.10	28.05	28.49	26.61	26.71	26.64	27.99	27.64	27.36	26.96
26	27.42	27.73	26.93	29.44	29.38	27.01	26.24	26.02	27.73	27.75	27.64	26.35
27	26.93	27.83	27.73	29.23	28.37	27.07	26.49	26.03	27.31	27.70	27.76	26.56
28	26.97	28.73	27.73	29.02	28.29	27.44	26.84	26.57	28.28	27.40	27.38	26.81
29	26.67	28.83	27.69	28.61	27.53	27.22	27.03	26.73	27.26	27.24	27.55	26.81
30	27.23	28.38	27.85	28.85	---	27.13	27.31	27.14	27.92	26.99	27.17	26.39
31	27.38	---	28.09	27.62	---	27.19	---	27.26	---	26.95	27.31	---
MEAN	---	27.61	27.76	27.73	28.86	27.42	27.01	27.06	27.47	27.35	27.09	---
MAX	---	28.83	28.45	29.44	31.68	28.25	27.81	28.50	28.28	28.00	27.76	---
MIN	---	26.50	26.93	26.82	26.53	26.55	26.23	26.02	26.78	26.95	25.93	---

02421000 CATOMA CREEK NEAR MONTGOMERY, AL

LOCATION.--Lat 32° 18'26", long 86° 17'58", in SE $^1/_4$ NW $^1/_4$ 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 mi^2.

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 NGVD of 1929.

REMARKS.--Estimated daily discharges: Mar. 8-24 and July 6-16 when the float was on mud. Records fair except for periods of very low flow and estimated discharges, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

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 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 18	1230	*9,740	*22.39

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 0.25 ft^3/s, Aug. 8, 9, gage height, 1.58 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	5.6	310	244	168	366	39	68	24	114	8.3	287
2	6.3	4.2	191	189	146	262	32	357	16	88	3.8	144
3	4.2	3.4	146	162	131	197	28	581	37	202	2.2	138
4	3.6	3.0	233	149	122	152	24	474	21	136	1.4	286
5	2.9	11	350	158	114	130	22	130	20	84	0.85	245
6	2.4	3.1	271	230	715	144	20	67	96	e64	0.51	88
7	2.6	1.9	189	284	1,640	139	17	45	235	e57	0.44	224
8	2.9	1.6	145	218	1,160	e119	224	28	129	e52	0.33	165
9	13	1.4	124	194	508	e101	52	21	33	e43	0.51	193
10	59	2.9	485	220	262	e87	31	17	17	e39	214	100
11	93	2.7	985	230	219	e80	26	15	15	e35	54	60
12	203	2.2	746	187	1,190	e67	25	19	16	e34	14	40
13	180	2.1	324	157	2,150	e63	265	28	112	e36	41	29
14	81	1.3	242	139	1,670	e67	96	22	374	e30	30	34
15	51	1.4	270	128	1,650	e70	59	15	831	e26	19	31
16	34	1.6	252	120	1,020	e80	39	19	655	e26	12	2,180
17	34	1.5	327	163	581	e87	24	64	379	30	6.5	5,110
18	27	93	380	930	351	e65	18	78	171	29	4.6	9,030
19	15	410	289	1,030	268	e59	15	65	111	21	2.8	5,350
20	11	416	204	579	227	e54	13	59	76	13	1.9	1,370
21	9.3	169	159	284	200	e58	11	53	62	10	30	238
22	7.2	88	133	209	180	e53	9.5	26	61	6.0	36	145
23	5.7	56	196	169	267	e48	8.8	19	104	4.0	30	109
24	4.7	167	747	146	844	e43	8.6	17	245	3.0	36	83
25	3.9	124	895	178	1,790	38	7.4	15	352	2.1	65	66
26	8.7	111	518	546	3,460	42	23	14	224	1.2	125	54
27	9.3	122	267	827	3,340	52	14	13	211	15	161	45
28	6.1	1,340	200	729	2,350	47	8.6	12	431	9.8	89	40
29	11	1,330	181	361	831	41	15	11	455	5.7	72	33
30	11	900	261	237	---	54	105	11	251	4.4	228	28
31	7.6	---	292	195	---	50	---	94	---	21	488	---
TOTAL	919.5	5,376.9	10,312	9,592	27,554	2,915	1,279.9	2,457	5,764	1,241.2	1,778.14	25,945
MEAN	29.7	179	333	309	950	94.0	42.7	79.3	192	40.0	57.4	865
MAX	203	1,340	985	1,030	3,460	366	265	581	831	202	488	9,030
MIN	2.4	1.3	124	120	114	38	7.4	11	15	1.2	0.33	28
CFSM	0.10	0.62	1.15	1.07	3.28	0.32	0.15	0.27	0.66	0.14	0.20	2.98
IN.	0.12	0.69	1.32	1.23	3.53	0.37	0.16	0.32	0.74	0.16	0.23	3.33

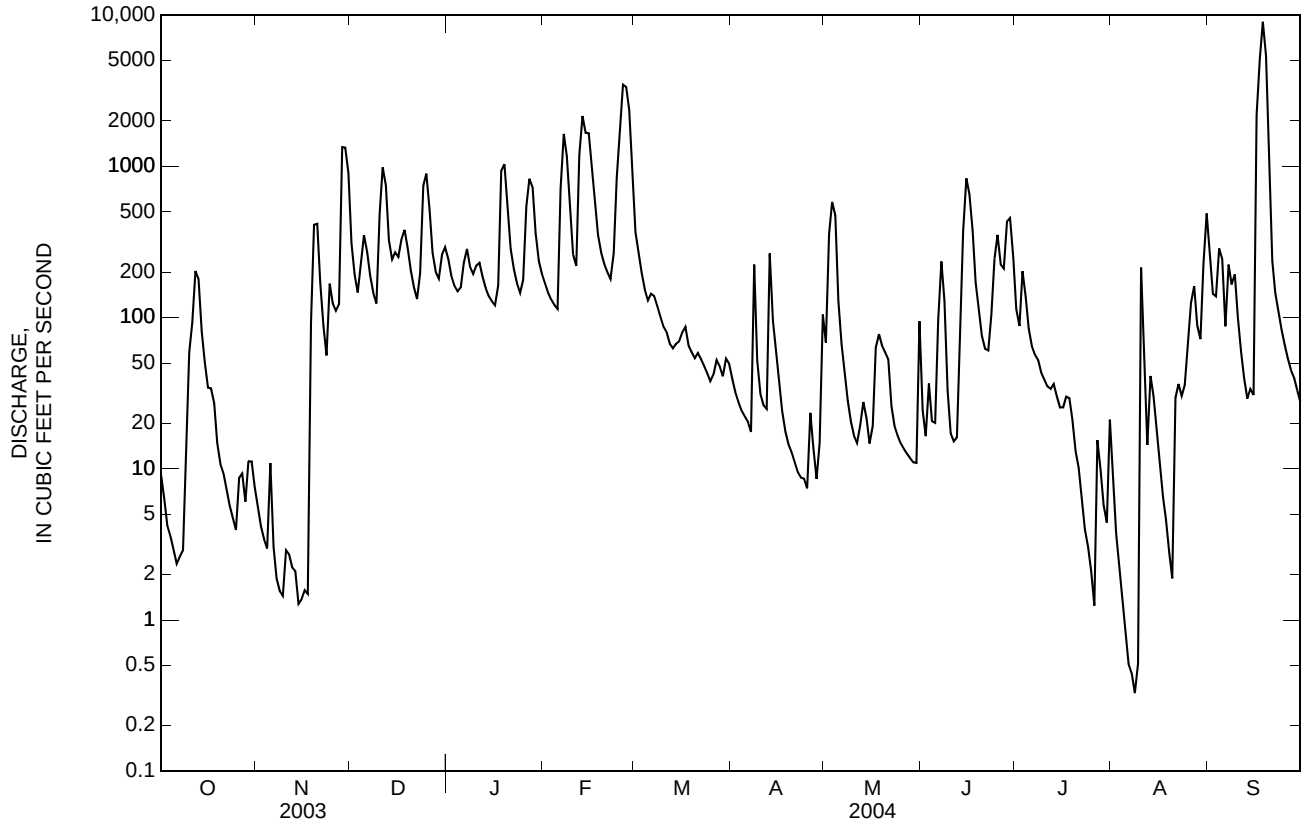
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

MEAN	79.5	142	393	572	905	989	547	224	157	143	75.6	126
MAX	867	1,007	1,643	1,435	4,094	3,329	2,665	1,505	2,417	1,710	566	958
(WY)	(1976)	(1993)	(1954)	(1990)	(1961)	(2001)	(1964)	(1978)	(1989)	(1994)	(1984)	(1975)
MIN	0.00	0.00	0.33	0.95	90.1	31.3	19.4	6.95	5.93	2.02	0.11	0.00
(WY)	(1955)	(1955)	(1956)	(1956)	(2000)	(1955)	(1967)	(1965)	(1954)	(1952)	(1954)	(1954)

02421000 CATOMA CREEK NEAR MONTGOMERY, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1952 - 2004	
ANNUAL TOTAL	167,426.4		95,134.64			
ANNUAL MEAN	459		260		360	
HIGHEST ANNUAL MEAN					778	1975
LOWEST ANNUAL MEAN					82.5	2000
HIGHEST DAILY MEAN	6,860	Apr 27	9,030	Sep 18	39,500	Mar 17, 1990
LOWEST DAILY MEAN	1.3	Nov 14	0.33	Aug 8	0.00	Oct 21, 1952
ANNUAL SEVEN-DAY MINIMUM	1.8	Nov 11	0.89	Aug 3	0.00	Oct 21, 1952
MAXIMUM PEAK FLOW			9,740	Sep 18	49,100	Mar 17, 1990
MAXIMUM PEAK STAGE			22.39	Sep 18	29.78	Mar 17, 1990
ANNUAL RUNOFF (CFSM)	1.58		0.896		1.24	
ANNUAL RUNOFF (INCHES)	21.48		12.20		16.89	
10 PERCENT EXCEEDS	1,330		526		887	
50 PERCENT EXCEEDS	166		67		43	
90 PERCENT EXCEEDS	11		4.3		1.9	

e Estimated



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

LOCATION.--Lat 32° 19'20", long 86° 47'02", in NE $^1/_4$ sec. 32, T. 16 N., R. 13 E., Lowndes County, Hydrologic Unit 03150201, at downstream end of Robert F. Henry Lock and Dam, 2 mi upstream from Big Swamp Creek, 2.5 mi northeast of Benton, 5 mi downstream from Ivy Creek, and at mile 245.4.

DRAINAGE AREA.--16,233 mi^2.

PERIOD OF RECORD.--January 1972 to September 1997, October 2001 to current year (gage height only). October 1997 to September 2001 in files of U.S. Army Corps of Engineers. Prior to October 1983, published as Alabama River below Jones Bluff Lock and Dam, near Benton.

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

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 135.4 ft, Mar. 20 1990; minimum 77.58 ft, Sept. 3, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 108.59 ft, Sept. 18; minimum elevation, 78.93 ft, Oct. 2.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80.77	82.41	89.67	87.54	86.51	88.08	82.92	85.15	83.59	88.28	---	82.05
2	82.15	82.20	88.37	84.48	86.52	87.49	84.84	87.37	83.70	87.87	---	82.50
3	83.04	83.37	86.87	85.36	88.04	88.86	83.80	88.40	83.05	85.06	---	83.14
4	81.14	83.35	86.26	82.46	88.21	87.22	81.96	88.98	82.96	85.50	83.85	84.33
5	80.88	83.23	87.62	84.30	87.61	87.86	82.32	88.18	82.77	86.10	83.27	84.35
6	81.33	83.74	86.13	87.81	91.63	84.58	80.99	85.17	83.02	85.40	81.93	83.19
7	83.18	84.24	82.92	89.52	98.36	90.29	80.87	82.79	82.73	84.36	81.61	83.07
8	85.32	83.28	84.26	89.13	99.49	91.20	82.01	82.29	82.75	85.31	81.83	82.53
9	83.33	82.32	86.25	88.11	99.59	89.27	82.63	82.14	82.35	84.14	81.35	83.03
10	83.82	83.57	86.00	87.75	99.45	87.92	83.12	82.45	83.07	83.35	81.38	81.60
11	83.81	83.83	87.08	87.39	96.94	86.64	82.62	82.36	82.14	83.26	82.03	82.69
12	82.46	84.10	87.12	85.64	98.17	86.35	84.47	84.92	82.08	83.12	82.94	82.38
13	83.04	83.71	88.00	85.42	102.13	85.35	83.39	84.28	81.79	85.03	83.70	84.97
14	83.22	83.31	86.54	83.07	102.22	82.56	85.89	83.99	85.24	83.88	82.09	87.05
15	83.53	81.86	86.00	84.18	100.61	83.58	84.14	82.51	87.13	83.87	81.76	90.23
16	83.24	81.80	86.48	83.34	97.02	83.91	85.11	81.85	85.95	83.14	81.89	96.96
17	84.06	83.07	85.84	83.89	95.38	85.07	82.12	82.64	82.84	81.89	82.44	106.16
18	82.25	85.06	87.87	82.75	95.22	83.67	81.84	83.10	82.56	81.57	81.85	108.29
19	83.21	86.65	88.37	85.78	92.95	82.91	82.67	83.94	82.77	82.40	81.68	107.03
20	82.49	90.53	87.64	87.25	91.42	82.83	82.30	84.96	81.80	83.25	81.41	102.41
21	84.17	90.63	82.33	85.52	88.74	83.20	81.50	85.29	81.96	83.57	82.89	98.26
22	82.33	88.85	84.87	85.63	84.46	83.88	81.10	83.44	82.76	83.22	82.37	94.12
23	81.92	86.00	85.14	84.37	85.83	84.04	82.44	82.90	83.33	82.00	83.20	90.90
24	82.08	87.46	88.88	83.01	85.78	82.95	84.83	83.77	83.70	81.61	83.01	88.79
25	82.25	88.91	88.80	84.71	89.43	81.64	81.94	83.56	85.47	81.54	82.90	86.29
26	81.72	87.48	86.47	92.73	96.02	81.34	82.79	83.16	85.53	82.21	83.66	83.36
27	83.08	86.19	85.24	94.69	94.77	81.40	81.35	82.22	85.51	83.69	84.47	85.87
28	83.76	92.28	82.51	93.68	92.60	81.11	81.53	81.24	88.91	83.88	83.05	85.91
29	83.36	92.29	86.45	92.31	86.30	82.16	81.21	81.32	88.10	83.93	81.99	86.95
30	82.84	92.93	88.42	92.46	---	82.57	82.94	81.44	85.41	---	82.54	86.15
31	82.85	---	88.22	91.22	---	82.45	---	82.10	---	---	81.78	---
MEAN	82.79	85.62	86.54	86.95	93.15	84.92	82.72	83.80	83.83	---	---	88.82
MAX	85.32	92.93	89.67	94.69	102.22	91.20	85.89	88.98	88.91	---	---	108.29
MIN	80.77	81.80	82.33	82.46	84.46	81.11	80.87	81.24	81.79	---	---	81.60

CAL YR 2003 MEAN 90.77 MAX 121.27 MIN 80.77

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 mi^2.

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 NGVD of 1929. 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 ft^3/s, from rating curve extended above 30,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep. 16	2330	*3,750	*8.12

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 66 ft^3/s, Aug. 7, 8, 9, gage height, 0.69 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

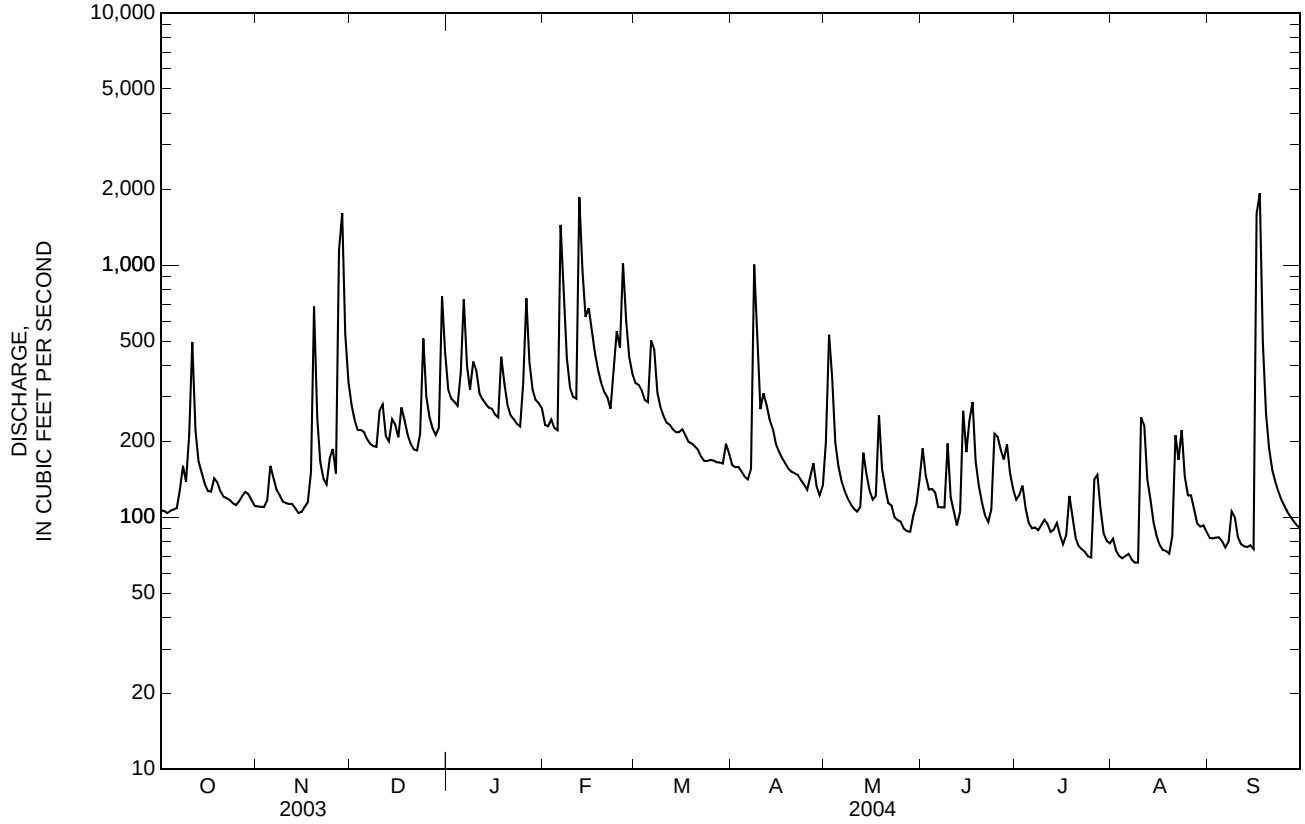
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	110	280	321	232	341	161	199	187	118	82	83
2	106	110	243	295	229	335	158	529	146	123	74	82
3	104	110	222	287	244	318	158	361	129	133	70	83
4	106	116	222	277	226	292	152	197	130	108	69	83
5	107	160	218	376	221	286	145	160	125	95	70	80
6	108	143	204	733	1,440	503	141	139	110	90	72	76
7	128	128	196	398	854	465	155	128	109	91	68	80
8	160	122	191	321	428	312	1,010	119	109	89	66	105
9	138	115	190	415	327	274	491	113	196	93	66	100
10	214	114	265	383	301	252	269	108	120	98	249	84
11	495	113	280	310	295	237	310	105	105	94	231	78
12	222	113	210	294	1,860	232	278	110	93	88	141	77
13	167	109	200	282	945	223	243	180	105	89	117	76
14	150	104	245	272	624	217	224	148	264	95	95	77
15	136	105	234	269	675	218	195	128	181	85	84	75
16	127	110	208	256	555	223	182	117	242	78	77	1,600
17	126	115	273	249	447	212	171	121	286	85	74	1,930
18	143	151	242	433	384	199	163	254	166	122	73	494
19	138	684	212	338	341	196	156	156	133	100	72	257
20	127	249	195	279	314	191	152	131	115	83	84	188
21	121	166	185	253	299	186	149	114	102	77	211	154
22	119	142	184	244	270	174	147	111	96	75	169	138
23	117	135	214	235	375	167	140	100	107	73	222	126
24	114	171	511	229	547	167	135	97	215	70	145	117
25	112	186	300	337	470	169	128	96	209	69	122	110
26	116	149	249	738	1,020	168	145	90	185	142	122	104
27	121	1,140	226	413	600	165	164	88	169	147	107	100
28	126	1,610	212	321	431	165	133	88	194	107	95	96
29	123	535	226	292	370	163	122	101	149	86	92	93
30	117	345	752	283	---	196	133	113	129	81	93	90
31	111	---	453	270	---	179	---	140	---	79	87	---
TOTAL	4,405	7,660	8,042	10,403	15,324	7,425	6,310	4,641	4,606	2,963	3,399	6,836
MEAN	142	255	259	336	528	240	210	150	154	95.6	110	228
MAX	495	1,610	752	738	1,860	503	1,010	529	286	147	249	1,930
MIN	104	104	184	229	221	163	122	88	93	69	66	75
CFSM	0.70	1.26	1.28	1.65	2.60	1.18	1.04	0.74	0.76	0.47	0.54	1.12
IN.	0.81	1.40	1.47	1.91	2.81	1.36	1.16	0.85	0.84	0.54	0.62	1.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	105	176	295	413	539	649	550	284	198	191	172	114
MAX	434	913	1,554	1,180	1,407	1,389	2,070	1,014	888	824	2,430	263
(WY)	(1976)	(1949)	(1962)	(1947)	(1961)	(1990)	(1979)	(1991)	(2003)	(2003)	(1939)	(1946)
MIN	36.9	75.0	92.7	111	168	137	87.2	70.2	50.2	38.7	41.2	32.3
(WY)	(2001)	(1979)	(1939)	(1981)	(1986)	(1986)	(1986)	(1999)	(1988)	(2000)	(2000)	(1954)

02422500 MULBERRY CREEK AT JONES, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	164,983		82,014			
ANNUAL MEAN	452		224		306	
HIGHEST ANNUAL MEAN					546	1975
LOWEST ANNUAL MEAN					105	1986
HIGHEST DAILY MEAN	5,280	Jul 1	1,930	Sep 17	27,100	Aug 16, 1939
LOWEST DAILY MEAN	104	Oct 3	66	Aug 8	26	Aug 31, 2000
ANNUAL SEVEN-DAY MINIMUM	106	Sep 30	69	Aug 3	28	Aug 26, 2000
MAXIMUM PEAK FLOW			3,750	Sep 16	32,800	Aug 16, 1939
MAXIMUM PEAK STAGE			8.12	Sep 16	30.38	Aug 16, 1939
ANNUAL RUNOFF (CFSM)	2.23		1.10		1.51	
ANNUAL RUNOFF (INCHES)	30.23		15.03		20.47	
10 PERCENT EXCEEDS	854		388		598	
50 PERCENT EXCEEDS	271		156		163	
90 PERCENT EXCEEDS	121		84		71	



02423000 ALABAMA RIVER AT SELMA, AL

LOCATION.--Lat 32° 24'20", long 87° 01'07", in SE $^1/_4$ NW $^1/_4$ 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 mi^2.

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 NGVD of 1929. Prior to June 22, 1928, nonrecording gage, June 22, 1928 to Apr. 11, 1938, water-stage recorder, and Apr. 12, 1938 to May 22, 1940, nonrecording gage 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 ft^3/s, 20.78 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 284,000 ft^3/s, Mar. 1, 1961, gage height, 57.97 ft; minimum discharge observed, 2,660 ft^3/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 ft^3/s), present site and datum, from floodmarks established by U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 34.95 ft, Sept. 18; minimum gage height, 17.45 ft, Jan. 16.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.04	19.07	21.72	21.36	20.76	20.79	19.28	---	18.93	20.70	---	18.61
2	18.05	18.98	20.77	19.54	19.71	21.12	19.30	---	19.27	20.90	---	19.06
3	18.28	19.33	20.27	20.04	20.44	21.34	19.53	---	18.98	19.96	---	19.28
4	18.23	19.37	20.09	19.33	20.89	20.74	19.01	---	18.76	20.12	---	19.65
5	18.08	19.33	20.50	19.49	20.66	20.95	18.86	---	19.17	19.95	---	19.56
6	18.05	19.35	20.42	20.76	22.37	19.90	18.29	19.62	19.18	19.91	18.50	19.24
7	18.58	19.54	19.32	21.74	26.82	21.28	17.99	18.98	18.85	19.42	18.42	19.28
8	19.40	19.46	19.18	21.31	27.77	22.71	18.28	19.09	18.97	19.85	18.46	18.87
9	19.28	19.18	19.27	21.30	28.07	21.86	18.97	19.09	---	19.70	18.47	18.88
10	19.38	19.11	19.62	20.61	27.96	21.03	19.31	19.22	19.16	19.34	18.32	18.66
11	19.44	19.21	20.41	20.69	26.32	20.42	18.51	19.14	18.97	19.44	18.40	18.91
12	18.83	19.21	20.57	19.93	26.14	19.97	19.43	19.61	18.86	19.11	18.68	19.05
13	18.95	19.18	20.90	19.73	29.30	20.26	19.33	19.37	19.03	19.72	18.78	19.52
14	19.26	19.08	20.70	18.74	29.97	19.29	20.10	19.09	---	19.40	19.02	19.71
15	19.17	19.03	19.72	18.62	29.04	19.23	19.51	19.00	---	19.41	19.01	20.69
16	19.10	18.82	20.08	18.39	26.58	19.37	19.69	18.97	---	19.20	19.02	24.57
17	19.31	18.95	19.82	18.70	24.97	19.68	18.93	19.16	---	19.09	19.07	31.86
18	18.52	19.51	20.59	19.20	24.88	19.33	18.82	19.33	---	18.91	18.98	34.74
19	18.50	19.89	20.89	20.19	23.80	18.97	18.80	19.23	---	19.08	18.81	34.24
20	18.50	21.64	20.81	20.53	22.57	19.20	18.35	19.62	---	19.34	18.78	31.60
21	19.35	22.05	18.81	20.17	21.76	19.48	18.21	19.75	---	19.18	19.15	28.00
22	18.97	21.25	19.00	19.68	19.77	19.27	18.20	19.44	---	19.00	19.31	24.55
23	18.53	19.65	19.39	19.27	20.03	19.39	18.30	19.19	19.32	18.80	19.43	22.17
24	18.32	20.32	20.77	19.07	20.19	19.33	19.68	19.32	19.17	18.74	19.30	20.97
25	18.38	21.14	21.34	19.59	21.60	18.95	18.83	19.35	19.75	18.64	19.27	20.51
26	18.37	20.67	20.89	22.74	25.53	18.76	18.98	19.23	19.94	18.79	19.42	19.45
27	18.79	20.10	19.84	24.58	25.49	18.85	18.30	19.07	19.81	19.37	19.56	19.20
28	19.02	22.99	18.88	24.08	23.51	18.90	18.37	18.43	20.80	19.46	19.06	19.32
29	19.14	22.97	19.84	23.00	21.07	18.94	18.32	18.37	20.93	19.48	18.72	19.31
30	19.04	23.46	21.01	22.83	---	18.98	18.91	18.43	19.84	19.04	19.02	19.28
31	18.93	---	21.23	22.51	---	19.07	---	18.57	---	18.59	18.73	---
MEAN	18.77	20.06	20.21	20.57	24.07	19.91	18.88	---	---	19.41	---	21.96
MAX	19.44	23.46	21.72	24.58	29.97	22.71	20.10	---	---	20.90	---	34.74
MIN	18.04	18.82	18.81	18.39	19.71	18.76	17.99	---	---	18.59	---	18.61

CAL YR 2003 MEAN 23.15 MAX 44.16 MIN 18.04

02423130 CAHABA RIVER AT TRUSSVILLE, AL

LOCATION.--Lat 33° 37'20", long 86° 35'58", in SW $^1/_4$ 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 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR AL-92-1: 1989-91 (P). WDR AL-01-1: 1990, 1993-94, 1996-2000 (P).

GAGE.--Water-stage recorder. Datum of gage is 673.30 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Water-discharge 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 FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0430	3,540	10.48	Jun 24	0330	1,100	5.32
May 18	2015	1,090	5.30	Sep 16	1915	*4,440	*12.55

Minimum discharge, 0.00 ft^3/s, Nov. 6, 7, 8, gage height, 1.08 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

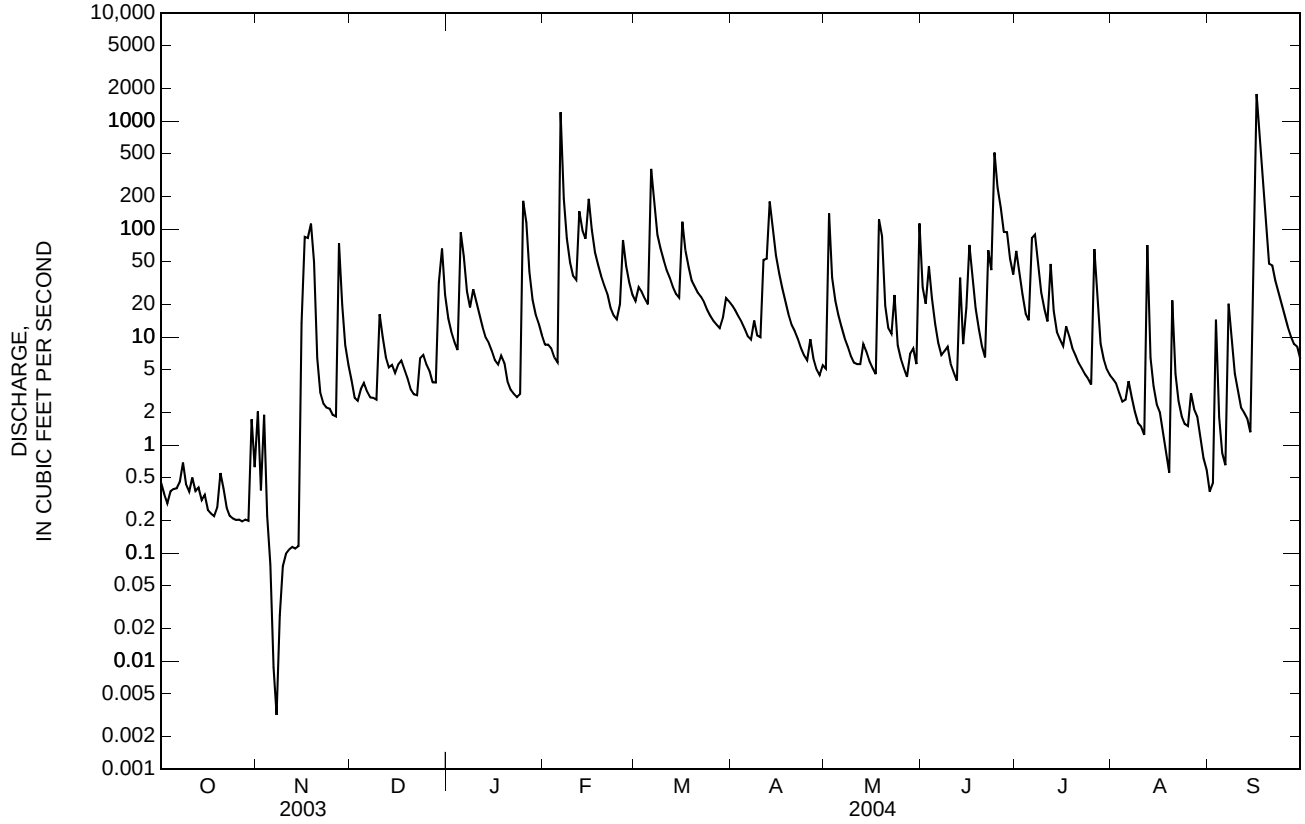
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.45	2.1	4.0	15	8.5	22	20	5.1	29	63	4.1	0.37
2	0.35	0.38	2.7	11	8.5	29	18	139	20	40	3.7	0.45
3	0.29	1.9	2.6	9.0	7.9	26	16	36	45	25	3.0	14
4	0.37	0.22	3.3	7.6	6.5	23	14	22	23	16	2.5	1.8
5	0.39	0.08	3.8	93	5.9	20	12	16	13	14	2.6	0.85
6	0.40	0.01	3.1	56	1,210	361	10	12	8.9	82	3.9	0.65
7	0.46	0.00	2.8	26	192	183	9.5	9.8	6.8	89	2.8	20
8	0.69	0.03	2.7	19	82	89	14	8.2	7.4	49	2.0	10
9	0.44	0.08	2.6	28	49	67	10	6.7	8.2	26	1.6	4.6
10	0.37	0.10	16	21	37	52	10	5.8	5.7	18	1.5	3.2
11	0.50	0.11	10	16	34	42	52	5.6	4.7	14	1.2	2.2
12	0.38	0.11	6.5	13	146	35	53	5.6	4.0	48	71	2.0
13	0.40	0.11	5.2	9.9	97	29	180	8.7	36	17	6.5	1.8
14	0.31	0.12	5.5	8.9	81	25	96	7.3	8.6	11	3.5	1.3
15	0.35	13	4.7	7.4	191	23	57	6.0	19	9.6	2.4	27
16	0.25	85	5.6	6.1	99	117	39	5.2	72	8.3	2.0	1,780
17	0.23	83	6.1	5.6	61	64	29	4.5	34	13	1.3	698
18	0.22	112	5.0	6.7	47	45	22	123	18	10	0.89	274
19	0.26	50	4.1	5.8	37	34	16	86	12	7.9	0.56	107
20	0.55	6.4	3.3	3.9	30	29	13	20	8.3	6.8	22	48
21	0.40	3.1	3.0	3.3	25	26	11	12	6.5	5.8	4.6	46
22	0.26	2.4	2.9	3.0	19	24	9.6	11	64	5.1	2.6	33
23	0.22	2.2	6.4	2.8	16	21	8.0	25	42	4.5	1.9	26
24	0.21	2.2	6.9	3.0	15	18	6.8	8.4	511	4.1	1.6	20
25	0.20	1.9	5.6	183	20	16	6.1	6.4	243	3.6	1.5	16
26	0.20	1.8	4.9	115	79	14	9.6	5.2	158	65	3.0	12
27	0.20	74	3.8	40	45	13	6.4	4.3	94	22	2.2	10
28	0.20	20	3.8	22	32	12	5.0	7.1	94	8.7	1.8	8.7
29	0.20	8.4	32	16	25	15	4.4	7.9	53	6.3	1.2	8.2
30	1.7	5.5	66	13	---	23	5.5	5.6	38	5.0	0.76	6.3
31	0.63	---	25	10	---	21	---	113	---	4.5	0.59	---
TOTAL	12.08	476.25	259.9	780.0	2,706.3	1,518	762.9	738.4	1,687.1	702.2	160.80	3,183.42
MEAN	0.39	15.9	8.38	25.2	93.3	49.0	25.4	23.8	56.2	22.7	5.19	106
MAX	1.7	112	66	183	1,210	361	180	139	511	89	71	1,780
MIN	0.20	0.00	2.6	2.8	5.9	12	4.4	4.3	4.0	3.6	0.56	0.37
CFSM	0.02	0.81	0.43	1.28	4.74	2.49	1.29	1.21	2.85	1.15	0.26	5.39
IN.	0.02	0.90	0.49	1.47	5.11	2.87	1.44	1.39	3.19	1.33	0.30	6.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	13.8	23.8	27.8	57.9	55.3	72.2	41.3	32.3	30.7	22.2	8.82	19.6
MAX	111	68.0	90.4	130	177	154	121	247	116	74.2	26.5	112
(WY)	(1996)	(1996)	(2003)	(1996)	(1990)	(1996)	(2000)	(2003)	(1997)	(1989)	(1992)	(2001)
MIN	0.12	2.32	5.42	20.3	14.2	19.4	12.4	4.23	3.15	0.08	0.52	0.38
(WY)	(1999)	(2000)	(2000)	(1991)	(2000)	(1992)	(1992)	(1992)	(1998)	(2000)	(1999)	(1999)

02423130 CAHABA RIVER AT TRUSSVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	18,471.63		12,987.35			
ANNUAL MEAN	50.6		35.5		33.7	
HIGHEST ANNUAL MEAN					61.9	2003
LOWEST ANNUAL MEAN					14.7	1992
HIGHEST DAILY MEAN	2,160	May 7	1,780	Sep 16	2,160	May 7, 2003
LOWEST DAILY MEAN	0.00	Nov 7	0.00	Nov 7	0.00	Sep 9, 1990
ANNUAL SEVEN-DAY MINIMUM	0.06	Nov 5	0.06	Nov 5	0.00	Sep 4, 1995
MAXIMUM PEAK FLOW			4,440	Sep 16	7,350	May 7, 2003
MAXIMUM PEAK STAGE			12.55	Sep 16	19.00	May 7, 2003
ANNUAL RUNOFF (CFSM)	2.57		1.80		1.71	
ANNUAL RUNOFF (INCHES)	34.88		24.52		23.23	
10 PERCENT EXCEEDS	92		76		68	
50 PERCENT EXCEEDS	12		8.7		12	
90 PERCENT EXCEEDS	0.38		0.43		0.88	



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.--Maximum and minimum values given in EXTREMES FOR PERIOD OF RECORD and EXTREMES FOR CURRENT YEAR may have been exceeded during periods of missing record.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 522 microSiemens, Aug. 19, 2000; minimum, 26 microSiemens, Jan. 30, 1999.
WATER TEMPERATURE: Maximum, 33.8° C, Aug. 10, 2000; minimum, 0.8° C, Feb. 16, 1991.
DISSOLVED OXYGEN: Maximum, 15.7 mg/L, Jan. 1, 2001; minimum, 1.2 mg/L on Sept. 21, 2003.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 407 microSiemens/cm, Oct. 29; minimum, 43 microSiemens/cm, Feb. 6, Sept. 16.
WATER TEMPERATURE: Maximum, 29.4° C, Aug. 4; minimum, 3.4° C, Dec. 21.
DISSOLVED OXYGEN: Maximum, 14.8 mg/L, Jan. 21, 22; minimum, 1.8 mg/L, Oct. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	190	183	187	241	167	203	149	142	146	126	121	124
2	204	189	197	283	241	262	158	149	154	135	126	129
3	223	203	216	255	166	182	158	155	156	139	134	136
4	225	207	219	213	172	188	161	154	157	143	126	132
5	222	208	218	258	213	237	160	153	156	143	89	115
6	226	213	220	309	258	289	156	153	154	109	106	107
7	227	218	223	334	309	325	158	153	156	116	109	113
8	219	197	205	348	329	339	160	154	158	123	115	120
9	211	196	204	351	344	348	167	158	162	142	109	117
10	225	211	220	365	345	358	165	131	142	115	108	113
11	217	212	215	377	358	365	139	131	135	118	106	111
12	223	214	219	382	362	374	144	136	140	130	116	121
13	228	221	225	393	377	385	145	138	142	132	127	129
14	248	221	238	396	384	391	152	133	147	168	130	141
15	266	247	255	400	135	347	154	148	150	165	135	139
16	302	266	289	135	72	100	159	145	154	150	139	143
17	329	302	320	72	68	70	179	149	158	152	145	148
18	357	329	345	84	68	74	155	152	153	154	144	149
19	367	357	363	89	75	79	160	154	157	150	141	144
20	361	270	288	118	89	104	160	156	158	158	150	152
21	282	266	274	133	118	124	161	159	160	165	157	160
22	314	282	303	145	133	138	164	159	161	163	155	159
23	337	314	329	152	143	146	168	136	159	168	157	163
24	360	337	352	158	151	155	156	143	146	191	160	168
25	373	357	365	162	155	158	150	146	147	177	85	124
26	386	363	381	164	157	160	154	150	152	102	86	95
27	393	384	389	164	91	124	156	152	154	113	101	107
28	400	387	395	130	112	125	156	153	155	124	113	119
29	407	391	402	136	130	133	159	93	148	132	123	128
30	403	179	210	144	131	138	120	108	116	138	131	135
31	223	188	202	---	---	---	121	115	117	144	136	141
MONTH	407	179	273	400	68	214	179	93	150	191	85	132

02423130 CAHABA RIVER AT TRUSSVILLE, AL—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	150	143	145	132	127	130	143	136	140	194	175	183
2	171	146	152	153	126	134	144	133	140	175	77	117
3	169	141	150	135	128	133	154	142	145	148	136	144
4	158	150	154	135	131	134	154	133	147	156	144	152
5	163	155	160	138	134	136	155	150	153	164	156	160
6	155	43	63	137	72	84	160	149	156	171	164	168
7	99	78	89	102	82	89	163	151	157	177	171	175
8	112	99	106	109	101	105	166	143	157	183	177	180
9	119	112	115	120	108	113	162	144	155	189	180	185
10	126	119	123	127	120	124	165	152	163	193	181	189
11	141	125	130	133	127	130	153	109	125	197	189	192
12	134	99	105	138	133	136	126	83	121	196	190	192
13	104	99	102	144	138	141	117	93	99	197	176	187
14	113	99	103	150	144	147	105	93	99	205	163	176
15	113	83	94	161	150	154	112	104	107	187	178	181
16	105	93	99	154	93	115	121	112	116	192	187	189
17	114	105	110	115	108	110	130	121	125	196	188	192
18	120	114	118	122	114	117	138	128	133	198	50	173
19	126	120	123	130	122	126	148	138	142	155	111	139
20	130	126	128	136	128	134	152	148	149	169	155	163
21	135	129	132	172	129	140	158	152	155	178	169	174
22	141	135	139	143	132	139	162	152	159	183	178	181
23	145	141	144	148	138	144	168	162	166	194	131	152
24	146	145	145	154	148	151	174	168	171	180	164	173
25	167	110	146	158	152	156	176	174	175	186	172	183
26	117	101	112	163	156	161	209	161	173	192	186	188
27	118	114	116	166	160	164	175	157	168	198	190	193
28	121	116	119	168	165	167	182	175	179	204	178	194
29	127	121	125	185	152	169	188	182	185	180	160	165
30	---	---	---	159	134	142	188	176	180	186	173	178
31	---	---	---	159	132	142	---	---	---	187	100	136
MONTH	171	43	122	185	72	134	209	83	148	205	50	173
		JUNE			JULY			AUGUST			SEPTEMBER	
1	141	128	137	143	121	127	220	212	216	256	243	248
2	176	119	143	132	125	128	224	214	220	257	240	250
3	176	109	139	154	130	136	227	218	224	252	109	204
4	160	136	152	150	124	142	232	222	228	205	122	164
5	169	160	165	156	136	145	236	207	228	241	205	225
6	183	169	173	161	73	140	230	210	220	244	235	240
7	193	183	189	162	120	145	218	209	212	246	133	194
8	189	180	183	160	137	147	226	217	221	183	155	170
9	180	167	172	168	157	163	232	224	228	199	183	191
10	185	176	180	177	168	173	238	227	231	210	199	203
11	191	184	186	185	177	182	238	229	233	217	209	212
12	198	190	192	189	79	164	233	75	136	224	215	219
13	200	99	160	185	130	167	187	162	176	229	223	226
14	183	160	173	194	185	191	201	187	193	234	227	231
15	187	153	169	199	194	197	211	201	204	233	161	187
16	170	108	150	204	199	201	216	205	211	161	43	95
17	155	135	144	205	166	189	236	215	230	94	56	81
18	166	151	159	188	170	180	233	223	229	119	93	104
19	182	161	167	202	186	194	240	228	231	152	119	130
20	183	175	180	208	201	204	248	90	207	177	150	164
21	193	183	187	215	208	210	189	124	167	158	150	154
22	194	81	165	220	212	215	210	189	198	168	158	163
23	163	101	133	223	216	220	216	208	212	173	168	171
24	146	47	80	228	218	224	223	214	219	183	173	178
25	115	94	107	231	220	227	227	220	224	191	183	187
26	123	86	113	235	59	188	222	203	211	198	191	194
27	136	120	129	172	118	151	214	204	209	203	196	198
28	142	120	128	192	172	183	219	209	215	205	201	203
29	143	129	133	205	192	197	228	219	224	207	202	204
30	142	129	136	213	204	207	238	227	232	212	206	207
31	---	---	---	227	208	214	247	233	237	---	---	---
MONTH	200	47	154	235	59	179	248	75	214	257	43	187
YEAR	407	43	174									

02423130 CAHABA RIVER AT TRUSSVILLE, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.2	15.5	17.2	19.0	15.0	17.1	10.1	6.6	8.2	8.6	6.5	7.7
2	20.0	14.2	16.3	18.5	14.9	16.8	9.7	6.8	8.2	10.3	8.0	9.1
3	17.8	12.9	15.2	19.0	15.1	17.2	9.5	7.1	8.3	12.9	10.3	11.7
4	19.2	14.8	16.8	19.3	16.9	18.0	9.1	8.5	8.8	14.4	12.5	13.4
5	19.5	16.0	17.8	21.4	19.1	20.1	8.9	7.3	8.4	15.1	10.7	13.1
6	19.3	18.2	18.9	21.5	20.7	21.1	7.3	6.3	7.0	10.7	7.4	9.4
7	20.6	18.2	19.3	20.7	18.0	19.4	8.3	4.9	6.5	7.4	5.4	6.3
8	21.3	18.9	19.9	18.5	16.3	17.5	8.4	4.8	6.6	6.4	5.7	6.0
9	20.4	18.1	19.3	17.2	14.9	16.1	10.4	6.6	8.5	6.9	6.3	6.6
10	20.5	19.1	19.7	16.8	14.6	15.9	10.6	8.2	9.8	6.9	5.4	6.2
11	20.8	18.9	20.0	18.0	14.7	16.4	8.5	7.0	7.8	6.4	4.1	5.4
12	22.3	18.5	20.1	18.2	15.9	17.1	8.0	5.7	6.8	7.2	4.4	6.0
13	21.2	18.3	19.8	17.9	13.1	15.6	7.2	6.3	6.7	9.1	6.3	7.8
14	21.4	18.1	20.2	13.1	10.7	11.9	7.5	6.6	7.3	9.2	7.6	8.4
15	18.5	14.6	16.9	13.9	10.4	12.0	8.3	5.7	6.9	9.9	7.8	9.0
16	17.9	13.7	16.2	15.5	12.7	14.2	10.2	6.8	8.4	8.9	6.1	7.6
17	17.4	14.6	15.5	17.2	15.4	16.1	8.9	6.7	7.9	8.8	6.9	7.9
18	17.0	14.3	15.6	17.0	16.0	16.4	8.5	5.7	7.1	10.1	8.8	9.5
19	17.3	14.0	15.7	16.3	13.9	15.6	8.3	5.8	6.8	9.0	5.3	7.4
20	17.9	14.0	16.0	15.4	12.2	13.8	6.8	4.4	5.4	6.8	3.8	5.2
21	19.1	14.6	17.0	15.0	11.3	13.2	6.6	3.4	4.8	7.2	3.9	5.4
22	19.0	16.4	18.1	15.3	11.3	13.3	8.0	4.4	6.1	7.6	3.9	5.7
23	19.2	15.7	17.8	15.1	11.6	13.6	9.1	6.1	7.6	7.7	4.4	5.9
24	19.1	16.4	17.9	15.0	9.8	12.7	9.2	6.4	8.1	8.8	5.0	7.0
25	19.8	17.1	18.6	10.8	7.5	9.3	6.8	4.7	5.7	12.1	8.7	10.1
26	19.6	18.8	19.2	11.2	7.8	9.8	6.7	3.8	5.2	10.4	9.8	10.1
27	19.0	15.2	17.1	13.1	10.8	12.0	7.4	4.1	5.6	9.8	7.3	9.2
28	15.2	13.0	14.2	13.3	9.7	12.1	8.2	4.6	6.4	7.7	5.5	6.7
29	16.3	13.3	14.7	9.9	7.8	8.8	12.0	7.3	8.9	7.6	4.8	6.4
30	17.9	13.0	15.3	9.5	6.2	7.8	10.8	7.8	8.7	9.3	7.1	8.0
31	18.1	14.3	16.3	---	---	---	8.4	6.2	7.5	8.1	5.5	7.1
MONTH	22.3	12.9	17.5	21.5	6.2	14.7	12.0	3.4	7.3	15.1	3.8	7.9
		FEBRUARY			MARCH			APRIL			MAY	
1	8.7	5.9	7.5	13.9	10.8	12.5	14.3	10.8	12.7	20.2	17.0	18.5
2	8.2	7.8	8.0	13.7	12.9	13.3	15.4	10.7	13.3	18.9	15.6	17.4
3	8.8	6.6	8.0	15.9	12.7	14.3	16.3	11.7	14.2	16.8	14.1	15.3
4	8.4	5.3	6.9	16.4	13.4	15.0	16.1	11.8	14.0	17.4	12.7	15.3
5	10.1	7.3	8.3	16.5	15.1	15.8	16.2	10.9	13.8	19.3	14.1	16.9
6	12.7	10.1	11.2	16.5	13.9	15.1	18.1	12.5	15.3	21.2	15.9	18.7
7	10.1	8.0	9.2	15.6	12.4	13.7	18.6	13.3	16.1	22.3	16.7	19.6
8	9.6	7.2	8.3	14.1	10.8	12.3	18.7	15.7	17.0	23.2	17.5	20.3
9	10.3	7.3	8.8	13.0	10.3	11.6	19.4	14.1	16.8	23.8	18.1	20.9
10	10.3	9.5	9.9	13.5	9.4	11.4	18.5	14.0	16.3	22.5	19.9	21.3
11	10.0	9.4	9.7	13.7	9.1	11.6	16.7	15.7	16.1	23.9	19.3	21.3
12	9.6	8.1	9.0	14.2	10.3	12.3	17.3	15.0	16.0	23.2	19.6	21.3
13	10.4	8.4	9.4	14.5	10.3	12.4	15.3	11.5	13.1	22.1	20.1	20.9
14	10.6	9.4	9.9	15.4	11.8	13.7	15.4	10.9	12.9	23.1	19.8	21.2
15	10.0	9.1	9.5	15.2	13.6	14.4	16.5	11.0	13.8	23.2	19.7	21.3
16	9.8	8.9	9.3	16.9	13.9	15.1	17.5	12.3	15.0	23.5	20.4	21.7
17	9.9	8.7	9.3	16.1	12.1	14.1	18.5	13.5	16.2	23.7	20.1	21.5
18	10.8	7.5	9.1	16.3	12.1	14.2	19.1	14.5	17.0	24.5	20.2	21.8
19	10.8	7.7	9.3	17.8	12.8	15.4	19.5	15.2	17.6	22.3	19.7	21.1
20	10.8	8.6	9.7	18.8	14.0	16.5	19.0	15.8	17.5	23.4	19.7	21.6
21	12.2	9.4	10.8	17.2	13.1	15.8	19.4	16.0	17.6	24.3	20.3	22.3
22	11.5	8.2	10.0	14.4	10.8	12.7	20.8	16.8	18.8	24.5	20.8	22.5
23	10.2	9.3	9.8	14.4	9.8	12.2	22.0	17.2	19.5	24.1	20.8	22.6
24	11.2	10.0	10.6	15.8	10.9	13.5	21.9	17.5	19.7	24.0	21.5	22.6
25	10.7	7.6	10	17.7	12.6	15.2	19.6	17.8	18.6	25.3	21.2	23.0
26	8.2	6.5	7.7	18.8	13.8	16.5	19.1	17.1	17.9	25.4	21.5	23.2
27	10.4	8.0	8.9	18.3	14.3	16.5	19.6	14.8	17.0	26.1	21.7	23.4
28	11.3	7.0	9.2	19.8	14.4	17.3	19.4	13.7	16.5	25.0	22.5	23.2
29	12.0	8.2	10.3	18.7	15.2	17.1	19.2	14.5	16.9	23.4	21.5	22.4
30	---	---	---	18.4	14.9	16.6	18.3	16.5	17.4	25.8	21.8	23.5
31	---	---	---	14.9	12.0	13.5	---	---	---	24.0	20.6	22.1
MONTH	12.7	5.3	9.2	19.8	9.1	14.2	22.0	10.7	16.2	26.1	12.7	20.9

02423130 CAHABA RIVER AT TRUSSVILLE, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.9	19.7	20.3	22.4	21.3	21.8	28.3	23.5	25.5	26.3	23.2	24.4
2	20.9	19.4	20.1	23.7	21.4	22.4	28.5	23.8	25.7	27.4	23.1	24.6
3	20.8	19.0	19.9	24.2	21.7	22.9	29.1	23.4	25.8	27.0	23.5	24.7
4	22.6	19.4	20.9	25.2	22.0	23.5	29.4	23.6	26.2	26.0	23.3	24.3
5	21.7	19.1	20.6	25.6	21.9	23.8	28.4	24.0	26.0	27.2	22.2	24.3
6	23.1	19.0	21.2	25.8	22.8	24.1	27.2	22.9	24.6	26.2	22.7	24.3
7	21.9	20.9	21.3	24.9	22.7	23.6	26.1	21.1	23.4	23.9	22.1	22.9
8	23.8	19.8	21.8	24.9	22.2	23.5	26.6	20.8	23.5	23.8	21.6	22.6
9	25.0	20.7	22.8	25.2	22.5	23.9	25.6	21.2	23.6	25.5	21.1	23.0
10	25.5	21.5	23.4	26.0	22.5	24.3	26.5	23.2	24.6	26.1	21.5	23.5
11	26.6	21.9	24.0	26.2	22.7	24.5	27.7	22.4	24.7	26.3	21.9	23.9
12	27.5	22.7	24.9	26.5	23.1	24.4	24.9	21.2	21.8	26.1	22.6	24.1
13	24.6	22.0	23.0	26.2	22.5	24.4	23.6	19.3	21.2	25.5	22.4	23.8
14	23.7	21.4	22.5	27.0	23.1	25.1	23.7	18.8	21.0	24.7	21.5	23.1
15	23.0	21.8	22.3	26.7	23.2	24.8	24.6	19.0	21.4	23.1	21.2	22.1
16	25.7	22.0	23.6	25.5	22.4	23.9	24.5	19.6	21.9	22.5	21.3	22.2
17	25.5	22.5	24.0	24.2	22.3	23.2	25.4	20.7	23.0	22.3	21.2	21.6
18	25.7	22.7	24.2	26.0	22.3	24.0	27.0	20.7	23.6	22.3	20.6	21.4
19	26.7	22.9	24.8	26.1	21.9	23.8	27.8	21.9	24.5	21.6	19.4	20.5
20	26.0	22.7	24.7	25.7	21.6	23.6	27.8	22.5	24.3	20.3	18.2	19.4
21	26.5	22.8	24.5	25.6	21.7	23.7	24.3	22.7	23.5	20.8	18.0	19.4
22	26.1	22.6	24.0	26.7	22.3	24.3	26.2	22.6	24.0	21.2	18.4	19.8
23	23.2	22.2	22.7	27.9	23.0	25.1	26.2	22.9	24.3	21.4	18.1	19.9
24	22.5	21.1	21.6	28.6	23.8	25.9	25.4	22.5	23.9	22.3	18.8	20.6
25	21.9	20.9	21.3	28.5	24.4	25.8	25.3	23.0	24.2	22.8	19.5	21.1
26	22.4	20.7	21.3	26.9	23.3	24.6	26.2	22.6	24.2	23.0	19.9	21.3
27	21.9	20.8	21.3	24.9	22.7	23.6	28.4	23.0	25.4	22.4	20.1	21.1
28	21.5	20.6	21.0	25.6	21.8	23.7	28.4	23.5	25.7	22.4	19.8	20.9
29	22.5	20.4	21.3	26.4	21.8	24.0	27.3	23.4	25.2	22.6	19.2	20.6
30	22.7	20.8	21.7	26.7	23.4	24.8	27.0	23.5	24.9	21.7	17.8	19.5
31	---	---	---	26.7	23.7	25.1	27.4	22.6	24.5	---	---	---
MONTH	27.5	19.0	22.4	28.6	21.3	24.1	29.4	18.8	24.1	27.4	17.8	22.2
YEAR	29.4	3.4	16.7									

02423130 CAHABA RIVER AT TRUSSVILLE, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.4	8.7	9.4	---	---	---	12.5	11.3	11.8	13.9	12.4	13.1
2	10.0	8.2	9.0	---	---	---	12.7	11.3	11.9	13.2	11.6	12.4
3	10.4	7.8	8.8	---	---	---	12.6	11.0	11.7	12.6	10.8	11.6
4	9.8	7.6	8.4	---	---	---	11.5	8.8	10.2	12.2	9.9	11.0
5	9.0	6.0	7.8	---	---	---	10.0	8.7	9.3	11.7	10.2	10.9
6	7.2	4.6	6.5	---	---	---	10.8	9.4	9.9	12.7	11.7	12.3
7	8.6	6.2	7.0	7.0	3.8	5.0	11.2	9.9	10.4	13.8	12.5	13.1
8	9.5	6.8	8.0	7.8	3.4	6.2	11.3	9.9	10.5	13.7	12.7	13.1
9	9.7	7.0	8.0	6.8	4.4	6.0	11.2	8.9	10.2	13.2	12.6	12.9
10	9.0	6.6	7.5	6.7	3.4	5.9	9.6	8.5	9.0	14.0	12.8	13.3
11	9.9	5.4	7.6	7.6	4.2	6.0	11.1	9.6	10.3	14.4	13.1	13.6
12	9.8	6.9	7.9	7.6	5.1	6.1	11.8	10.2	11.0	14.2	12.0	13.4
13	9.0	3.8	7.0	8.5	5.4	7.0	11.7	10.4	10.9	13.9	12.0	12.9
14	9.5	3.8	7.2	8.4	7.0	7.7	11.4	10.3	10.7	13.4	11.6	12.4
15	8.9	5.4	7.2	10.4	6.8	8.3	13.7	10.7	11.9	13.5	11.6	12.4
16	8.3	3.2	6.3	10.3	9.5	10.0	13.4	11.1	12.1	14.0	12.0	12.8
17	8.1	4.7	6.3	9.9	9.2	9.5	13.0	10.9	11.9	13.9	11.7	12.6
18	8.6	2.9	6.5	9.4	9.0	9.2	13.5	11.8	12.5	13.1	11.4	11.9
19	8.5	2.5	6.3	9.5	9.1	9.3	13.6	11.8	12.6	14.2	11.5	12.8
20	7.9	4.5	7.0	10.3	9.2	9.6	14.2	12.3	13.2	14.7	12.5	13.5
21	9.8	3.0	7.2	10.5	9.2	9.7	14.6	13.0	13.6	14.8	12.8	13.6
22	7.0	2.0	5.0	10.6	8.9	9.7	14.6	12.4	13.4	14.8	12.6	13.5
23	7.4	2.0	5.5	10.6	8.6	9.5	13.5	10.7	12.3	14.7	12.6	13.4
24	5.4	2.2	4.0	10.4	8.3	9.4	13.4	10.5	11.9	14.7	11.6	13.1
25	5.8	1.8	4.0	11.6	9.5	10.5	14.5	12.2	13.2	11.6	8.3	11.1
26	4.7	2.0	3.3	11.8	10.2	10.9	14.6	13.0	13.6	11.6	6.3	7.7
27	5.9	3.5	4.7	10.4	9.6	10.1	14.6	12.8	13.5	7.8	6.7	7.2
28	8.0	5.7	6.5	10.7	9.7	10.2	14.6	12.3	13.3	8.6	7.3	7.9
29	8.0	4.4	7.1	12.0	10.7	11.4	13.5	10.8	12.1	8.9	7.2	8.0
30	---	---	---	12.5	11.4	11.9	12.7	11.1	12.1	8.4	7.1	7.6
31	---	---	---	---	---	---	14.4	12.0	13.1	8.9	7.2	7.9
MONTH	10.4	1.8	6.8	12.5	3.4	8.7	14.6	8.5	11.7	14.8	6.3	11.7
		FEBRUARY			MARCH			APRIL			MAY	
1	9.1	7.0	7.9	13.2	11.3	12.2	11.9	10.1	11.0	11.2	8.4	9.7
2	8.2	6.8	7.3	12.6	11.3	11.7	11.9	9.8	10.8	10.0	8.2	9.5
3	9.1	6.8	7.8	12.9	10.8	11.8	11.8	9.6	10.5	10.9	9.6	10.3
4	9.7	7.3	8.3	13.0	10.7	11.7	11.8	9.7	10.7	11.2	8.8	10.0
5	7.8	6.6	7.2	12.3	10.5	11.2	12.0	9.7	10.8	10.2	8.2	9.2
6	7.5	5.5	7.2	11.9	10.4	11.5	11.8	9.1	10.4	9.9	7.8	8.7
7	8.1	7.5	7.8	12.6	11.6	12.0	11.7	8.8	10.1	9.9	7.5	8.6
8	8.5	7.6	8.1	13.3	11.2	12.5	10.3	8.4	9.3	9.8	7.2	8.4
9	8.2	6.9	7.7	---	---	---	11.1	8.4	9.6	9.7	7.2	8.3
10	7.5	6.1	7.0	---	---	---	11.3	8.5	9.8	9.9	7.0	8.3
11	7.1	5.4	6.5	10.9	9.1	10	10.0	8.5	9.4	9.9	7.0	8.1
12	8.0	6.3	7.7	10.8	9.1	9.8	10.7	9.2	9.9	9.9	6.7	8.2
13	8.2	6.1	7.4	11.2	9.1	10.0	11.3	6.4	10.2	9.8	6.7	8.0
14	---	---	---	11.0	8.8	9.8	12.0	10.4	11.2	9.4	6.5	7.9
15	---	---	---	10.6	8.6	9.4	12.1	10.0	11.1	9.9	6.9	8.2
16	---	---	---	9.7	8.6	9.1	11.8	9.7	10.7	9.7	6.2	8.0
17	---	---	---	10.6	8.9	9.6	11.6	9.4	10.4	10.0	7.0	8.2
18	---	---	---	10.9	8.8	9.7	11.3	8.8	10.1	9.9	5.8	8.3
19	---	---	---	10.7	8.5	9.5	11.1	8.9	10	8.7	7.9	8.3
20	12.2	11.2	11.7	10.4	7.9	9.1	11.2	9.1	10.0	9.0	7.6	8.2
21	12.2	11.2	11.6	10.1	7.0	8.5	11.1	8.9	9.8	9.1	7.4	8.2
22	12.9	11.5	12.1	11.3	9.1	10.1	11.0	8.4	9.6	9.4	7.3	8.2
23	12.9	11.7	12.2	12.2	9.7	10.6	10.9	8.2	9.4	9.1	7.3	8.1
24	12.8	11.6	12.1	12.1	9.6	10.7	10.9	8.2	9.4	9.5	7.3	8.1
25	13.0	11.6	12.2	11.6	9.0	10.2	10.8	8.2	9.4	9.8	7.2	8.2
26	13.7	13.0	13.3	11.4	8.2	9.8	10.7	8.7	9.5	10.0	6.4	8.1
27	13.8	12.6	13.2	11.0	8.8	9.7	11.3	9.0	10.0	9.6	7.0	8.1
28	14.2	12.3	13.2	11.1	8.3	9.5	11.8	9.1	10.3	9.4	6.5	7.7
29	14.1	11.9	13.0	10.9	8.1	9.4	11.7	8.9	10.2	9.2	6.5	8.0
30	---	---	---	10.7	6.2	9.2	11.0	8.9	9.8	9.5	6.9	8.0
31	---	---	---	11.4	9.0	10.3	---	---	---	8.4	6.7	7.7
MONTH	14.2	5.4	9.7	13.3	6.2	10.3	12.1	6.4	10.1	11.2	5.8	8.4

02423130 CAHABA RIVER AT TRUSSVILLE, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.2	7.9	8.5	8.5	7.7	8.1	9.6	6.8	7.9	9.9	4.7	6.6
2	9.4	7.8	8.6	8.7	7.5	8.1	9.7	6.7	7.8	9.3	4.6	6.6
3	8.8	7.8	8.2	8.8	7.4	8.0	9.8	6.4	7.8	9.0	4.9	6.4
4	9.3	7.8	8.4	8.9	7.2	8.0	9.8	6.3	7.6	7.0	5.0	5.7
5	9.5	7.7	8.6	9.1	7.2	8.0	9.4	4.2	7.0	8.7	5.0	6.4
6	9.8	7.4	8.6	9.2	7.1	7.9	9.7	4.7	7.3	8.9	4.9	6.4
7	9.6	7.3	8.2	8.3	7.1	7.6	10.4	7.0	8.2	7.5	4.9	6.5
8	9.9	7.6	8.6	8.7	7.0	7.8	10.0	6.6	8.1	8.5	7.0	7.6
9	9.7	7.6	8.2	8.8	7.2	7.8	10.4	6.7	8.1	9.0	6.7	7.6
10	---	---	---	9.0	7.2	7.9	9.2	6.1	7.3	9.0	5.0	7.2
11	---	---	---	9.4	7.1	8.0	9.1	5.7	7.1	9.5	5.9	7.4
12	---	---	---	9.4	7.1	7.8	8.1	5.6	7.6	9.2	6.1	7.2
13	---	---	---	8.8	6.9	7.7	8.8	3.5	7.5	9.0	5.9	7.1
14	---	---	---	9.1	6.9	7.7	9.4	7.3	8.1	9.5	4.9	7.2
15	---	---	---	9.4	7.0	7.9	9.5	7.1	8.0	8.8	6.0	7.7
16	---	---	---	9.9	5.4	7.2	9.7	6.8	8.0	8.3	7.6	7.9
17	---	---	---	9.5	7.1	8.1	9.8	6.4	7.7	8.5	7.7	8.2
18	---	---	---	9.7	7.2	8.3	9.3	5.9	7.3	8.2	7.3	7.7
19	---	---	---	9.9	7.2	8.2	9.3	5.2	6.9	8.4	7.5	7.9
20	---	---	---	10.3	7.2	8.4	8.9	4.8	6.5	8.4	7.6	8.0
21	---	---	---	10.3	7.2	8.5	7.8	5.5	6.6	8.5	7.4	8.0
22	---	---	---	10.4	7.1	8.4	8.7	5.5	7.0	9.3	7.8	8.3
23	---	---	---	10.0	7.0	8.1	8.8	3.1	6.0	9.2	8.2	8.7
24	---	---	---	9.9	6.8	8.0	8.3	5.9	6.8	9.1	7.9	8.5
25	---	---	---	9.9	6.6	7.7	8.9	5.8	7.0	9.3	7.8	8.5
26	---	---	---	10.0	6.8	7.9	9.5	6.5	7.6	9.5	7.6	8.4
27	---	---	---	8.8	7.6	8.1	9.5	5.9	7.4	9.7	7.6	8.4
28	---	---	---	9.4	7.3	8.2	9.4	5.8	7.1	10.0	7.6	8.5
29	---	---	---	10.0	7.3	8.3	9.2	5.6	7.0	9.7	7.7	8.4
30	8.8	7.7	8.1	9.7	7.0	8.1	9.2	5.1	6.7	9.8	7.8	8.6
31	---	---	---	9.8	7.0	8.1	9.4	5.2	6.9	---	---	---
MONTH	9.9	7.3	8.4	10.4	5.4	8.0	10.4	3.1	7.4	10.0	4.6	7.6
YEAR	14.8	1.8	9.1									

02423380 CAHABA RIVER NEAR MOUNTAIN BROOK, AL

LOCATION.--Lat 33° 28'54", long 86° 42'46", in NE $^1/_4$ 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 mi^2.

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 NGVD of 1929 (levels by Jefferson County Engineering Department).

REMARKS.--Estimated daily discharges: Feb. 6-9, Mar. 21-23, Sept. 16-20. 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.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 16	---	*12,700	*16.94

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 8.9 ft^3/s, Nov. 14, 15, 16, 17, gage height, 0.64 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	11	78	176	164	236	106	84	143	392	38	14
2	23	11	67	138	149	251	96	937	86	293	36	13
3	21	11	56	118	147	307	91	473	80	299	30	15
4	21	11	57	104	128	264	89	259	148	226	27	29
5	20	11	57	256	116	249	83	185	97	175	23	32
6	20	12	55	369	e1,980	1,180	79	143	90	143	23	22
7	19	11	50	262	e1,770	845	72	114	88	296	29	59
8	22	11	46	203	e780	471	98	96	58	232	26	92
9	22	11	43	226	e457	359	100	83	52	163	21	56
10	26	10	70	221	379	294	80	72	48	124	40	36
11	25	9.9	105	181	327	248	341	65	50	99	19	26
12	22	9.8	86	160	762	226	330	61	41	84	180	20
13	19	9.6	73	141	631	191	478	67	82	126	145	23
14	16	9.1	73	124	470	166	382	74	247	95	68	20
15	15	9.0	68	115	637	125	282	69	148	87	43	22
16	43	8.9	68	105	683	135	227	59	163	73	31	e2,850
17	39	53	95	98	465	140	186	76	230	67	26	e6,750
18	25	132	92	103	375	135	156	59	149	71	22	e2,290
19	18	230	78	113	320	119	135	230	109	66	19	e603
20	28	117	66	101	281	118	118	111	81	54	100	e310
21	22	66	59	84	254	e150	109	82	64	46	115	229
22	15	47	55	78	229	e135	98	67	58	40	83	183
23	14	37	62	73	198	e109	87	60	120	35	48	151
24	13	49	98	70	183	104	77	65	613	31	35	127
25	13	43	91	921	182	99	70	51	666	35	28	102
26	12	37	77	1,490	386	93	83	45	397	225	25	89
27	12	236	70	520	343	88	88	40	404	319	22	77
28	12	306	63	333	292	84	69	35	355	115	21	70
29	12	146	98	263	255	82	59	35	403	77	18	66
30	12	99	370	227	---	97	71	43	351	61	17	52
31	12	---	254	191	---	114	---	79	---	48	16	---
TOTAL	617	1,764.3	2,680	7,564	13,343	7,214	4,340	3,919	5,621	4,197	1,374	14,428
MEAN	19.9	58.8	86.5	244	460	233	145	126	187	135	44.3	481
MAX	43	306	370	1,490	1,980	1,180	478	937	666	392	180	6,750
MIN	12	8.9	43	70	116	82	59	35	41	31	16	13
CFSM	0.14	0.42	0.62	1.74	3.29	1.66	1.03	0.90	1.34	0.97	0.32	3.44
IN.	0.16	0.47	0.71	2.01	3.55	1.92	1.15	1.04	1.49	1.12	0.37	3.83

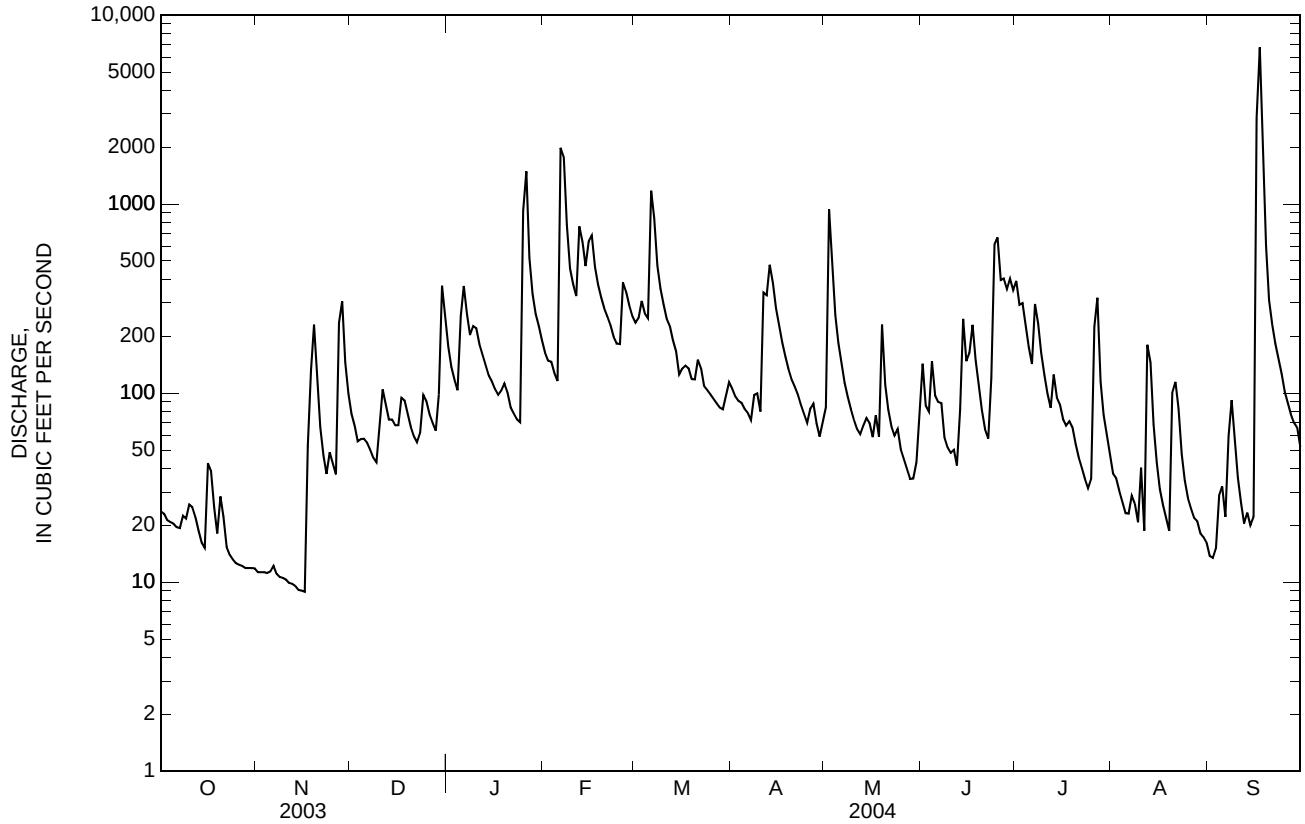
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)

MEAN	89.9	181	231	415	456	493	296	200	168	135	64.1	112
MAX	502	675	572	898	1,061	1,191	809	1,608	850	469	225	519
(WY)	(1996)	(1993)	(2003)	(1998)	(1990)	(1996)	(2000)	(2003)	(1997)	(1989)	(1992)	(2001)
MIN	7.28	28.2	44.4	36.7	132	105	31.7	30.0	10.6	10.6	10.8	10.2
(WY)	(1988)	(1988)	(2001)	(1981)	(2000)	(1986)	(1986)	(1986)	(1988)	(2000)	(1988)	(1990)

02423380 CAHABA RIVER NEAR MOUNTAIN BROOK, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004	
ANNUAL TOTAL	127,018.3		67,061.3			
ANNUAL MEAN	348		183		236	
HIGHEST ANNUAL MEAN					434	2003
LOWEST ANNUAL MEAN					70.4	1986
HIGHEST DAILY MEAN	17,600	May 8	6,750	Sep 17	17,600	May 8, 2003
LOWEST DAILY MEAN	8.9	Nov 16	8.9	Nov 16	2.5	Oct 16, 1987
ANNUAL SEVEN-DAY MINIMUM	9.5	Nov 10	9.5	Nov 10	3.5	Oct 14, 2000
MAXIMUM PEAK FLOW			12,700	Sep 16	23,500	May 8, 2003
MAXIMUM PEAK STAGE			16.94	Sep 16	25.08	May 8, 2003
ANNUAL RUNOFF (CFSM)	2.49		1.31		1.69	
ANNUAL RUNOFF (INCHES)	33.75		17.82		22.94	
10 PERCENT EXCEEDS	569		356		502	
50 PERCENT EXCEEDS	126		85		98	
90 PERCENT EXCEEDS	19		19		15	

e Estimated



02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL

LOCATION.--Lat 33° 32'04", long 86° 33'45", in SE $^1/_4$ 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 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is 595.50 ft above NGVD of 1929 (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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0500	1,530	10.06	Sep 16	1900	*3,060	*12.54

Minimum discharge, 5.7 ft^3/s, on several days, gage height, 1.14 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

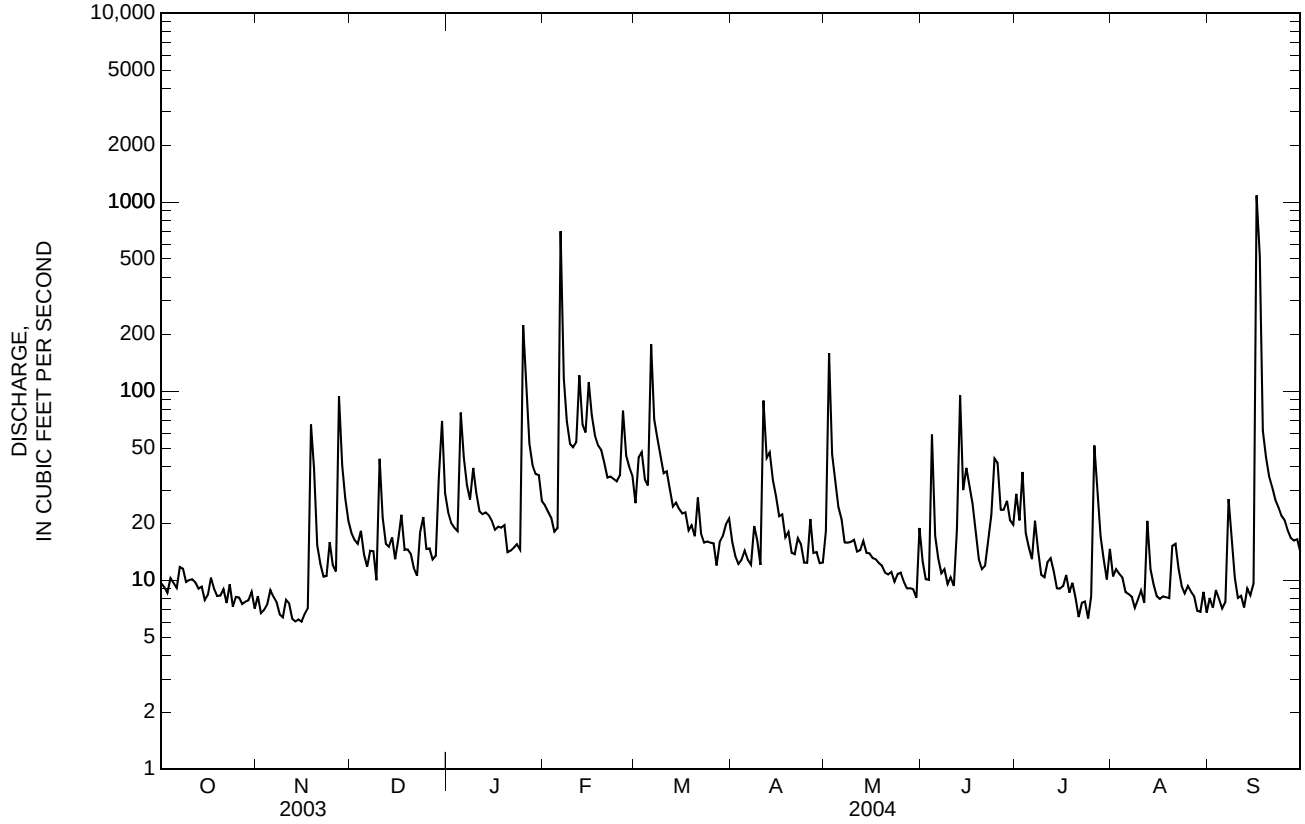
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	8.2	18	23	25	26	16	18	13	29	10	8.1
2	9.2	6.7	16	20	23	45	13	158	10	21	11	7.2
3	8.6	7.0	16	19	21	48	12	46	10	37	11	8.9
4	10	7.4	18	18	18	34	13	34	59	18	10	8.0
5	9.7	8.9	14	77	19	32	14	24	17	15	8.7	7.1
6	9.1	8.2	12	45	701	177	13	21	13	13	8.5	7.7
7	12	7.7	14	32	117	71	12	16	11	21	8.2	27
8	12	6.6	14	27	69	56	19	16	11	14	7.1	18
9	9.8	6.4	10	39	53	46	16	16	9.6	11	7.9	10
10	10	7.9	44	29	51	37	12	16	10	10	8.8	8.1
11	10	7.5	21	23	54	38	89	14	9.3	12	7.6	8.3
12	9.7	6.3	16	22	121	31	44	14	19	13	21	7.2
13	9.0	6.1	15	23	67	24	48	16	95	11	11	9.0
14	9.2	6.2	17	22	61	26	34	14	30	9.1	9.5	8.3
15	7.9	6.0	13	21	111	24	28	14	39	9.0	8.2	9.6
16	8.4	6.6	17	19	75	23	22	13	32	9.3	8.0	1,080
17	10	7.1	22	19	58	23	22	13	25	11	8.2	516
18	9.0	67	15	19	52	18	17	12	18	8.6	8.1	62
19	8.3	39	15	20	49	20	18	12	13	9.7	8.0	45
20	8.3	15	14	14	42	17	14	11	11	8.0	15	36
21	8.9	12	12	14	35	27	14	11	12	6.4	16	31
22	7.6	10	11	15	35	18	17	11	16	7.6	12	27
23	9.5	11	18	16	34	16	16	9.8	22	7.7	9.3	24
24	7.2	16	22	14	33	16	12	11	44	6.3	8.5	22
25	8.2	12	15	224	36	16	12	11	42	8.2	9.3	21
26	8.1	11	15	98	79	16	21	9.8	24	52	8.7	18
27	7.5	94	13	53	46	12	14	9.1	24	31	8.2	17
28	7.7	41	13	41	40	16	14	9.1	26	17	6.9	16
29	7.8	27	35	36	36	17	12	9.0	21	13	6.8	16
30	8.7	21	70	36	---	20	12	8.1	20	10	8.7	14
31	7.1	---	29	26	---	21	---	19	---	15	6.7	---
TOTAL	278.2	496.8	594	1,104	2,161	1,011	620	615.9	705.9	463.9	296.9	2,097.5
MEAN	8.97	16.6	19.2	35.6	74.5	32.6	20.7	19.9	23.5	15.0	9.58	69.9
MAX	12	94	70	224	701	177	89	158	95	52	21	1,080
MIN	7.1	6.0	10	14	18	12	12	8.1	9.3	6.3	6.7	7.1
CFSM	0.53	0.97	1.13	2.09	4.38	1.92	1.22	1.17	1.38	0.88	0.56	4.11
IN.	0.61	1.09	1.30	2.42	4.73	2.21	1.36	1.35	1.54	1.02	0.65	4.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	17.5	24.5	30.4	56.0	53.0	59.5	44.3	38.4	40.8	25.1	14.4	20.6
MAX	38.9	52.0	62.5	112	79.8	105	98.0	187	97.2	46.2	27.5	69.9
(WY)	(2003)	(1996)	(2003)	(1998)	(1998)	(1996)	(2000)	(2003)	(1999)	(2003)	(1998)	(2004)
MIN	7.71	8.98	10.6	25.4	20.6	32.6	20.7	7.67	9.30	7.30	5.78	5.41
(WY)	(1999)	(2000)	(2001)	(2001)	(2000)	(2004)	(2004)	(2000)	(2000)	(1995)	(2000)	(2000)

02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	17,227.3		10,445.1			
ANNUAL MEAN	47.2		28.5		35.6	
HIGHEST ANNUAL MEAN					56.3	2003
LOWEST ANNUAL MEAN					22.2	2000
HIGHEST DAILY MEAN	1,460	May 7	1,080	Sep 16	1,460	May 7, 2003
LOWEST DAILY MEAN	6.0	Nov 15	6.0	Nov 15	3.0	Sep 4, 2000
ANNUAL SEVEN-DAY MINIMUM	6.5	Nov 11	6.5	Nov 11	3.7	Sep 2, 2000
MAXIMUM PEAK FLOW			3,060	Sep 16	5,300	May 7, 2003
MAXIMUM PEAK STAGE			12.54	Sep 16	15.04	May 7, 2003
ANNUAL RUNOFF (CFSM)	2.78		1.68		2.10	
ANNUAL RUNOFF (INCHES)	37.70		22.86		28.48	
10 PERCENT EXCEEDS	77		46		66	
50 PERCENT EXCEEDS	20		15		18	
90 PERCENT EXCEEDS	9.0		8.0		7.2	



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.--Maximum and minimum values given in EXTREMES FOR PERIOD OF RECORD and EXTREMES FOR CURRENT YEAR may have been exceeded during periods of missing record.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 611 microSiemens, Oct. 17, 1996; minimum, 67 microSiemens, Apr. 3, 2001, Sept. 16, 2004.
WATER TEMPERATURE: Maximum, 27.0° C, August 10, 2000; minimum, 4.4° C, Feb. 3, 1996.
DISSOLVED OXYGEN: Maximum, 14.4 mg/L, Feb. 28, 1998; minimum, 2.1 mg/L, Feb. 12, 2000.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 459 microSiemens/cm, Sept. 1, 13; minimum, 67 microSiemens/cm, Sept. 16.
WATER TEMPERATURE: Maximum, 25.0° C, July 26; minimum, 7.2° C, Jan. 12.
DISSOLVED OXYGEN: Maximum, 12.8 mg/L, Feb. 17; minimum, 3.5 mg/L, Aug. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	421	343	362	423	348	369	423	375	397	405	344	363
2	407	345	360	349	344	346	433	376	400	405	363	380
3	392	332	350	411	344	362	438	377	400	404	370	383
4	417	348	374	422	345	362	430	376	407	420	376	391
5	437	339	361	414	342	359	421	369	382	410	205	281
6	405	335	358	429	341	369	412	368	377	334	244	307
7	404	276	350	429	346	363	452	370	393	372	301	353
8	372	308	338	350	339	344	426	375	403	392	321	366
9	343	336	340	351	342	347	424	371	379	379	309	339
10	397	341	351	351	343	347	394	273	312	369	314	349
11	401	342	361	402	343	355	372	318	346	384	358	370
12	406	341	361	356	349	353	396	353	368	395	348	376
13	402	344	360	354	342	348	409	369	384	393	350	375
14	405	346	364	402	341	351	401	373	385	401	355	378
15	352	347	349	352	343	348	406	354	379	410	361	381
16	416	345	356	352	337	348	406	336	372	400	359	377
17	410	348	373	431	347	364	390	328	366	416	343	380
18	367	362	365	427	111	300	375	322	358	400	361	372
19	368	347	358	359	204	278	411	342	382	412	371	385
20	423	342	352	398	318	336	417	366	389	409	337	372
21	420	343	365	398	349	359	435	367	389	430	343	380
22	419	345	357	423	357	367	405	362	387	420	375	385
23	416	343	364	428	351	374	426	332	381	422	372	383
24	434	342	353	426	351	376	386	324	356	420	365	385
25	427	341	363	406	349	369	377	324	356	365	102	226
26	424	340	368	420	344	363	418	334	377	290	163	221
27	419	342	350	420	139	266	429	363	381	332	263	290
28	415	345	357	358	229	278	404	332	368	357	308	328
29	419	346	360	410	333	367	388	226	356	384	305	353
30	423	345	368	432	365	385	327	195	259	396	323	378
31	417	346	355	---	---	---	380	289	333	393	345	370
MONTH	437	276	358	432	111	348	452	195	372	430	102	354

02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	413	350	375	377	342	363	399	353	365	361	263	330
2	410	364	383	394	240	331	393	353	361	284	108	181
3	408	344	371	332	249	294	390	356	364	331	252	300
4	416	368	381	355	291	332	401	354	367	376	331	352
5	414	370	387	382	320	356	417	357	374	389	345	369
6	383	68	116	371	124	210	422	351	370	392	352	375
7	250	153	214	306	242	282	424	351	367	371	367	369
8	292	250	274	351	286	321	384	340	363	405	364	374
9	315	288	301	352	312	330	404	325	347	418	354	381
10	323	306	316	371	316	337	380	349	356	419	369	392
11	336	266	320	374	337	359	361	152	237	435	360	384
12	266	183	219	385	337	362	346	245	297	432	354	380
13	303	247	275	374	324	357	317	261	287	402	351	370
14	306	289	295	400	352	368	358	280	313	402	347	366
15	308	192	239	399	351	370	365	306	344	416	359	379
16	299	247	275	368	335	347	376	306	345	414	360	381
17	320	290	306	392	346	365	379	352	364	424	360	377
18	328	312	323	381	355	364	382	350	357	422	340	364
19	341	322	336	408	357	371	435	353	374	406	336	365
20	357	329	344	366	254	355	385	353	359	407	352	368
21	357	330	351	377	251	327	392	354	359	414	354	370
22	362	347	359	411	333	356	392	343	367	409	357	375
23	365	361	363	411	358	368	386	352	368	409	354	366
24	366	362	364	413	364	372	400	350	360	408	352	376
25	366	276	357	399	362	374	387	350	357	391	373	383
26	307	218	263	415	360	373	382	330	355	387	353	373
27	342	307	327	370	355	363	379	311	331	427	352	366
28	358	342	350	417	357	383	381	335	353	414	350	367
29	375	358	367	406	354	374	408	339	351	413	346	355
30	---	---	---	365	323	341	351	318	340	364	344	350
31	---	---	---	383	331	362	---	---	---	374	259	310
MONTH	416	68	316	417	124	347	435	152	348	435	108	360
		JUNE			JULY			AUGUST			SEPTEMBER	
1	373	254	309	376	311	340	434	339	364	459	358	383
2	398	326	344	388	347	378	435	371	393	443	362	376
3	412	340	359	382	243	306	427	372	396	430	362	374
4	360	125	217	383	326	353	452	374	397	431	343	367
5	371	267	322	407	368	378	429	374	387	451	330	353
6	391	323	355	411	367	379	437	372	384	451	355	378
7	398	349	359	381	302	334	431	371	383	372	209	306
8	396	353	374	395	319	345	374	366	371	374	285	326
9	420	353	366	411	354	367	441	366	381	403	318	350
10	422	356	381	423	368	379	433	364	387	365	349	356
11	420	355	374	408	372	393	431	364	376	455	362	380
12	441	223	355	408	320	370	368	206	299	378	364	373
13	237	131	178	383	319	348	395	273	338	459	364	395
14	308	208	282	418	348	364	411	330	358	455	370	389
15	330	254	302	418	362	375	430	347	365	458	370	407
16	346	261	317	416	362	381	422	363	371	406	67	193
17	385	307	350	395	351	370	439	364	379	271	71	160
18	397	360	377	388	348	358	442	368	378	340	271	311
19	407	367	379	412	350	379	453	368	389	374	340	356
20	424	370	384	413	368	383	430	298	367	391	370	378
21	419	370	392	397	370	374	391	261	324	398	379	387
22	428	270	372	442	370	388	403	315	351	403	387	391
23	352	270	316	436	369	387	426	358	372	402	387	391
24	350	186	274	431	368	376	425	365	377	400	388	393
25	347	223	297	420	318	373	436	369	391	399	387	394
26	379	341	355	370	138	292	444	365	390	410	389	394
27	379	328	350	366	240	315	449	376	391	408	388	395
28	375	326	351	397	342	367	379	368	374	413	384	393
29	394	350	366	426	366	383	375	365	371	413	384	396
30	389	346	369	383	375	380	444	367	390	403	386	393
31	---	---	---	433	370	393	374	363	368	---	---	---
MONTH	441	125	338	442	138	365	453	206	373	459	67	361
YEAR	459	67	354									

02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.0	16.1	17.2	18.7	16.6	17.4	13.5	10.8	12.1	12.7	10.2	11.4
2	17.2	15.2	16.3	18.8	16.3	17.4	13.0	11.1	12.1	13.9	11.5	12.7
3	17.0	14.5	16.0	18.7	16.2	17.1	13.1	11.4	12.2	15.6	13.9	14.8
4	18.2	16.0	17.3	19.5	16.8	18.3	12.9	12.3	12.6	16.9	15.4	16.1
5	18.9	16.6	17.9	20.6	18.4	19.4	12.6	11.4	12.1	16.7	12.6	15.1
6	19.2	17.8	18.4	20.4	18.7	19.7	11.6	10.8	11.1	12.6	9.9	11.7
7	19.6	17.9	18.8	19.4	17.4	18.4	12.0	10.0	10.9	10.6	7.8	9.6
8	19.7	18.2	19.0	18.4	16.3	17.3	12.6	10.0	11.2	10.2	8.0	9.4
9	19.1	17.8	18.6	17.5	15.8	16.4	13.7	11.6	12.5	9.9	8.5	9.4
10	19.2	18.4	18.8	17.2	15.6	16.1	13.8	11.0	12.2	10.3	8.4	9.5
11	19.6	18.6	19.0	17.5	15.3	16.3	12.3	10.5	11.4	10.4	8.6	9.4
12	19.8	18.5	19.0	18.2	16.3	17.2	12.1	10.2	11.0	11.4	7.2	9.9
13	19.6	18.1	18.9	17.3	13.6	15.8	11.3	10.2	11.0	12.6	9.1	11.2
14	19.5	17.4	18.9	14.5	12.7	13.4	11.6	10.8	11.3	12.4	11.0	11.7
15	17.9	15.8	16.8	15.2	12.7	13.7	11.7	9.7	10.9	12.8	10.6	12.3
16	17.5	14.9	16.4	16.0	13.7	15.0	13.6	10.6	12.2	12.2	10.3	11.2
17	16.6	15.5	16.0	17.4	15.5	16.5	11.8	10.4	11.2	12.2	10.2	11.6
18	17.2	15.0	16.0	17.8	16.8	17.1	11.6	10.0	10.8	12.9	11.7	12.6
19	17.3	14.9	16.1	17.1	15.1	16.4	11.3	10.1	10.8	12.2	9.6	11.1
20	17.8	15.4	16.7	15.9	13.7	14.9	10.8	9.2	10.0	10.6	8.5	9.5
21	18.6	16.0	17.4	15.8	13.4	14.7	10.8	8.7	9.8	11.0	8.7	9.9
22	18.7	16.6	17.7	16.1	13.7	14.9	12.1	10.2	11.1	11.1	9.0	10.1
23	18.2	16.0	17.2	16.6	14.4	15.7	12.9	11.8	12.3	11.1	9.0	10.0
24	18.6	16.5	17.4	16.7	13.2	14.9	12.1	10.9	11.6	12.7	10.1	11.3
25	18.8	17.1	18.0	13.6	11.3	12.3	10.9	9.3	10.0	12.7	11.5	12.2
26	18.7	17.8	18.3	14.0	11.7	12.7	11.5	9.2	10.2	12.2	11.6	11.9
27	17.8	15.5	16.9	14.5	13.2	13.8	11.8	9.3	10.4	12.1	9.8	11.5
28	16.0	14.5	15.3	14.8	12.0	14.0	12.1	9.6	10.9	11.4	8.5	9.9
29	16.9	14.6	15.6	13.2	10.9	12.3	13.3	11.8	12.4	11.3	7.8	9.8
30	17.6	15.0	16.2	13.5	10.6	11.8	12.2	10.6	11.4	12.2	10.2	11.2
31	18.4	16.3	17.2	---	---	---	12.2	9.7	10.9	12.0	9.0	10.7
MONTH	19.8	14.5	17.4	20.6	10.6	15.7	13.8	8.7	11.3	16.9	7.2	11.2
		FEBRUARY			MARCH			APRIL			MAY	
1	12.0	10.0	10.9	16.3	13.1	14.6	16.1	12.9	14.4	20.1	18.2	19.1
2	11.6	10.7	11.3	15.8	14.6	15.3	17.0	12.8	15.0	20.1	17.2	18.6
3	12.1	10.2	11.3	17.5	14.3	15.8	17.6	13.4	15.6	18.0	16.1	16.9
4	12.2	8.4	10.8	18.8	15.6	17.0	17.3	13.6	15.5	18.6	15.1	16.7
5	13.2	10.5	11.8	18.5	16.8	17.5	17.9	13.1	15.4	20.2	15.6	17.6
6	13.3	10.9	12.1	18.0	15.4	16.8	18.6	14.4	16.5	21.2	17.0	18.8
7	10.9	9.3	10.1	17.4	14.8	15.9	18.8	15.0	17.1	20.8	17.4	19.1
8	10.9	8.8	9.8	16.2	13.2	14.5	19.5	16.7	18.0	21.9	17.8	19.5
9	12.4	9.8	10.9	15.1	12.6	13.7	19.7	16.0	17.7	21.5	18.2	19.9
10	12.5	11.7	12.1	15.6	11.6	13.5	19.1	15.5	17.3	20.9	18.9	19.9
11	12.2	10.6	11.8	16.0	11.7	13.7	18.5	16.8	17.1	21.7	18.8	20.1
12	10.6	8.6	9.5	16.5	13.0	14.4	18.9	16.3	17.3	21.0	19.0	20.3
13	11.9	9.8	10.9	16.5	12.9	14.4	17.2	13.1	15.1	21.0	19.6	20.3
14	12.3	11.2	11.7	17.4	14.1	15.6	16.9	12.3	14.2	21.0	19.3	20.2
15	12.1	10.0	10.6	16.8	15.3	16.0	18.1	13.3	15.5	21.3	19.3	20.4
16	11.2	10.1	10.7	18.8	15.3	16.8	19.4	14.6	16.8	21.6	19.5	20.6
17	11.8	10.6	11.1	18.0	14.5	16.0	20.3	15.8	17.8	21.6	19.4	20.4
18	12.9	10.0	11.2	17.9	14.2	16.0	20.6	16.4	18.3	21.9	19.3	20.6
19	13.4	10.2	11.7	19.6	14.9	17.1	20.7	16.7	18.6	21.6	19.6	20.7
20	13.8	11.8	12.7	20.2	15.7	17.8	19.5	17.1	18.4	22.2	19.5	20.9
21	14.8	12.1	13.3	18.5	14.7	17.2	19.7	17.1	18.4	22.3	19.8	21.2
22	14.4	11.3	12.7	16.2	12.8	14.4	20.4	17.6	19.2	22.6	20.3	21.6
23	12.7	12.1	12.4	16.5	12.0	14.2	21.6	18.5	20.0	22.7	20.2	21.5
24	13.2	12.4	12.8	17.8	13.3	15.5	20.9	18.4	19.8	22.4	20.8	21.5
25	12.8	9.4	12.2	19.3	14.7	17.0	20.3	18.7	19.3	22.8	20.5	21.7
26	9.8	8.2	9.1	20.9	15.9	18.0	19.3	18.2	18.8	22.5	20.6	21.6
27	12.4	9.8	10.9	19.9	16.1	18.2	19.4	16.4	17.8	23.0	20.4	21.5
28	13.8	10.1	11.7	20.5	16.2	18.4	18.6	15.3	17.2	22.0	20.7	21.3
29	14.5	11.5	12.8	20.2	16.6	18.4	18.9	16.2	17.8	22.0	20.1	21.0
30	---	---	---	19.2	16.3	17.8	18.9	17.6	18.3	22.8	20.7	21.7
31	---	---	---	16.3	13.9	15.1	---	---	---	22.3	20.6	21.5
MONTH	14.8	8.2	11.4	20.9	11.6	16.0	21.6	12.3	17.3	23.0	15.1	20.2

02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.6	19.5	20.0	22.2	21.4	21.7	23.8	21.7	22.9	23.0	21.0	21.5
2	20.1	19.0	19.6	23.3	20.9	21.7	23.9	21.9	23.0	23.4	20.6	21.4
3	20.1	18.6	19.4	23.7	21.3	22.6	24.6	21.7	22.9	22.6	21.1	21.7
4	22.2	19.8	21.2	23.9	21.2	22.1	24.4	21.4	22.8	22.5	20.8	21.6
5	21.4	19.4	20.3	23.1	20.9	21.9	23.9	21.6	22.7	22.5	20.4	21.4
6	21.8	18.7	20.3	24.2	20.9	22.2	23.0	21.0	22.0	22.6	20.9	21.6
7	20.9	19.7	20.3	23.6	21.5	22.6	22.6	19.7	21.1	22.4	20.9	21.6
8	21.8	19.8	20.8	24.1	21.2	22.3	22.2	19.7	21.0	22.7	21.2	21.9
9	22.4	19.9	21.2	23.6	20.9	22.3	22.4	19.9	21.0	22.2	20.0	21.2
10	22.6	20.2	21.5	23.4	20.8	22.3	22.6	20.8	21.5	22.1	20.0	21.1
11	22.7	20.3	21.7	23.4	21.5	22.6	22.9	20.4	21.5	23.4	20.2	21.5
12	24.3	20.7	22.3	24.6	21.1	22.6	22.2	20.8	21.7	22.3	20.8	21.5
13	24.2	22.6	23.4	24.2	21.6	22.9	21.0	19.1	20.2	22.5	20.4	21.6
14	22.6	21.3	21.8	24.2	21.3	22.8	20.5	18.0	19.5	22.3	20.3	21.2
15	22.5	21.0	21.9	23.8	21.3	22.6	21.2	18.1	19.6	21.7	20.1	21.0
16	24.5	21.7	22.6	23.0	20.5	21.8	20.8	18.8	20.0	22.8	20.7	21.9
17	24.6	21.8	23.1	22.4	20.6	21.5	22.1	19.7	20.8	22.6	21.8	22.2
18	24.3	21.8	22.7	23.0	21.1	22.1	22.6	19.6	21.0	22.2	20.6	21.3
19	24.5	21.4	22.8	23.1	20.4	21.7	23.5	20.1	21.6	21.6	19.3	20.3
20	23.1	21.1	22.1	22.9	20.4	21.9	24.1	20.7	22.2	20.8	18.5	19.6
21	23.5	21.1	22.3	22.6	20.4	21.7	23.4	22.1	22.6	21.0	18.3	19.6
22	24.4	20.8	22.1	23.3	20.7	22.1	23.3	21.2	22.2	21.1	19.0	19.9
23	23.0	21.8	22.6	24.2	21.1	22.7	23.3	21.0	21.8	21.2	19.0	20.2
24	23.7	21.3	22.3	23.9	21.5	22.8	23.0	20.9	21.5	21.8	19.6	20.7
25	23.1	21.8	22.5	24.1	21.9	23.2	22.4	21.2	21.6	22.0	20.2	21.0
26	22.6	20.9	21.4	25.0	21.7	23.3	24.2	20.7	21.9	21.8	20.2	21.0
27	22.3	21.0	21.5	24.1	22.6	23.1	24.9	21.4	22.5	21.4	19.5	20.6
28	21.9	21.0	21.4	23.9	20.7	22.1	23.1	21.4	22.1	21.2	20.0	20.6
29	22.4	20.5	21.2	24.4	20.4	22.0	22.4	20.9	21.7	21.3	19.7	20.5
30	22.2	21.0	21.5	22.9	21.3	22.1	23.4	20.9	21.8	20.7	18.0	19.4
31	---	---	---	24.2	21.1	23.0	22.5	20.4	21.4	---	---	---
MONTH	24.6	18.6	21.6	25.0	20.4	22.3	24.9	18.0	21.6	23.4	18.0	21.0
YEAR	25.0	7.2	17.3									

02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6.8	5.7	6.3	8.1	6.6	7.3	9.3	8.6	8.9	10.9	9.4	10
2	7.0	6.0	6.4	7.7	6.7	7.2	9.6	8.7	9.0	10.0	8.5	9.3
3	7.2	6.0	6.5	7.9	6.7	7.2	9.4	8.6	8.9	9.2	7.9	8.6
4	7.0	5.8	6.4	7.9	6.2	6.9	9.4	8.2	8.9	8.6	7.2	8.0
5	6.9	5.7	6.2	7.7	6.1	6.6	9.2	8.6	8.9	8.2	6.7	7.7
6	6.5	5.5	5.9	9.0	5.8	6.6	9.4	8.2	8.8	8.7	7.8	8.3
7	6.6	4.8	5.9	7.5	6.0	6.6	10.4	9.1	9.6	8.5	7.5	8.1
8	5.9	4.8	5.4	7.8	6.3	7.0	10.2	8.9	9.6	---	---	---
9	8.9	5.2	7.0	8.3	6.8	7.4	9.8	8.0	9.0	---	---	---
10	8.6	7.9	8.2	8.4	7.0	7.7	9.7	8.2	9.2	---	---	---
11	9.0	7.6	8.3	8.4	6.9	7.6	10.4	9.1	9.6	---	---	---
12	8.9	7.9	8.4	8.0	6.7	7.2	10.9	9.2	9.7	---	---	---
13	9.0	7.7	8.3	9.1	6.7	7.9	10.0	9.2	9.6	---	---	---
14	8.5	7.7	8.1	9.4	8.1	8.7	10.0	8.8	9.5	---	---	---
15	9.1	8.0	8.5	9.2	8.0	8.5	10.2	9.0	9.7	---	---	---
16	9.3	8.1	8.8	8.8	7.7	8.1	9.9	9.0	9.5	---	---	---
17	9.0	8.1	8.7	8.3	6.7	7.6	10.4	9.4	9.9	---	---	---
18	9.4	8.5	8.9	8.5	7.1	7.7	10.3	9.1	9.7	---	---	---
19	9.4	8.5	8.9	7.9	7.3	7.6	10.4	7.4	9.4	---	---	---
20	9.3	8.0	8.7	8.5	7.1	8.0	10.9	8.9	10.2	---	---	---
21	9.2	8.2	8.6	8.6	7.8	8.2	11.0	9.6	10.1	---	---	---
22	8.9	7.9	8.3	8.6	7.6	8.0	10.6	9.2	9.9	---	---	---
23	8.6	7.1	8.1	8.4	7.1	7.8	9.9	8.4	9.4	---	---	---
24	8.0	6.5	7.4	8.6	7.0	7.9	10.3	9.2	9.7	---	---	---
25	8.0	6.9	7.4	9.1	8.3	8.6	11.1	9.3	10.2	---	---	---
26	7.3	6.2	6.9	9.0	7.8	8.4	11.1	9.9	10.4	9.9	9.6	9.7
27	7.9	6.8	7.2	9.4	7.7	8.7	11.5	9.8	10.2	10.5	9.6	10.0
28	8.5	7.6	7.9	8.9	8.2	8.4	11.2	9.5	10.1	11.2	10.0	10.6
29	8.3	7.3	7.9	9.5	8.5	9.0	10.4	8.8	9.5	11.3	10.1	10.7
30	8.6	7.0	7.8	9.7	8.6	9.1	10.6	9.7	10.2	11.0	9.7	10.3
31	8.0	6.9	7.4	---	---	---	11.2	9.6	10.3	10.9	9.7	10.3
MONTH	9.4	4.8	7.6	9.7	5.8	7.8	11.5	7.4	9.6	11.3	6.7	9.4
	FEBRUARY			MARCH			APRIL			MAY		
1	11.0	9.6	10.2	11.8	10.1	10.9	12.0	8.8	10.3	8.8	7.3	7.9
2	10.6	9.4	9.8	11.3	9.5	10.5	12.2	8.7	10.1	8.7	7.2	8.1
3	10.9	9.2	10.1	12.0	9.9	10.8	12.0	8.6	10	9.2	8.4	8.7
4	11.2	9.7	10.4	12.0	9.7	10.6	12.2	8.0	10.2	9.8	8.5	8.9
5	10.5	8.9	9.7	11.3	9.1	10.1	12.3	8.8	10.2	8.9	7.7	8.4
6	10.3	8.9	9.7	10.5	8.9	10.0	12.0	8.4	9.9	8.7	7.6	8.0
7	10.6	9.9	10.3	11.2	9.8	10.4	11.9	7.8	9.7	8.4	7.3	7.8
8	11.3	10.4	10.8	12.0	9.9	11.0	10.8	7.4	8.8	8.3	7.3	7.7
9	10.9	9.7	10.4	11.4	10.1	10.8	11.4	7.0	8.8	8.7	7.2	7.8
10	10.2	9.5	9.8	11.8	9.9	10.7	11.5	7.2	8.9	8.7	7.2	7.9
11	10.3	9.5	9.9	11.8	9.7	10.6	8.6	7.5	8.4	8.5	7.4	7.9
12	11.1	10.2	10.7	11.5	9.4	10.3	9.2	7.7	8.4	8.7	7.1	7.8
13	10.8	9.2	10.3	12.3	9.0	10.3	9.1	7.7	8.5	8.3	6.8	7.4
14	10.5	9.4	10	11.9	8.8	10.0	10.8	8.8	9.7	8.3	6.8	7.5
15	10.6	9.5	10.2	10.9	8.3	9.5	10.6	8.3	9.4	8.4	7.1	7.9
16	10.6	10.2	10.4	11.3	8.1	9.4	10.5	8.0	9.0	8.5	7.5	8.0
17	12.8	10.1	11.5	11.4	8.5	9.7	10.2	7.6	8.8	8.6	7.6	8.0
18	12.7	11.7	12.3	11.5	8.4	9.7	10.0	7.5	8.4	7.9	6.3	7.3
19	12.4	11.2	11.9	11.6	8.2	9.5	10.1	7.4	8.6	7.4	5.9	6.7
20	11.8	10.8	11.3	11.1	8.1	9.2	9.9	7.3	8.4	7.7	6.5	7.0
21	11.9	10.3	11.1	10.8	7.4	8.9	9.8	7.4	8.3	7.7	6.5	7.0
22	12.1	10.8	11.4	11.9	8.1	9.9	9.9	7.2	8.6	7.5	6.4	7.0
23	11.9	10.9	11.3	12.1	9.4	10.4	9.7	7.0	8.1	7.3	6.3	6.9
24	11.8	10.8	11.2	12.2	8.9	10.2	9.6	6.8	8.0	7.3	6.3	6.9
25	12.2	10.7	11.1	11.9	8.2	9.9	8.8	6.8	7.8	7.6	6.6	7.1
26	12.6	11.7	12.2	11.7	8.2	9.6	9.2	6.8	7.9	7.6	6.4	7.0
27	12.4	11.5	11.9	11.2	8.1	9.3	9.5	6.8	8.0	7.4	6.4	6.8
28	12.4	11.3	11.8	11.4	7.4	9.5	9.8	7.7	8.7	7.6	6.3	6.8
29	12.6	11.0	11.7	11.3	7.9	9.3	9.6	7.2	8.4	7.4	6.2	6.8
30	---	---	---	10.4	7.3	8.5	8.7	7.2	7.8	7.1	6.2	6.6
31	---	---	---	10.9	7.5	9.3	---	---	---	6.6	5.9	6.4
MONTH	12.8	8.9	10.8	12.3	7.3	10.0	12.3	6.8	8.9	9.8	5.9	7.5

02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.4	6.2	6.8	8.2	7.2	7.8	8.4	7.2	7.9	6.7	5.5	6.0
2	7.8	6.8	7.2	9.2	7.7	8.2	8.6	7.2	8.1	6.9	5.8	6.3
3	7.9	7.0	7.3	8.5	7.4	7.9	8.7	7.6	8.2	6.9	4.8	6.2
4	7.6	6.8	7.2	8.1	7.5	7.8	8.7	7.6	8.2	7.2	5.8	6.4
5	7.7	6.8	7.4	8.6	7.3	8.0	8.5	7.7	8.0	6.8	5.7	6.4
6	8.1	7.0	7.5	8.1	7.2	7.7	8.8	7.6	8.2	7.2	5.7	6.5
7	8.0	6.9	7.3	8.1	7.1	7.5	9.2	8.1	8.5	6.6	5.5	6.2
8	7.8	6.8	7.4	8.2	7.2	7.6	9.1	8.0	8.5	7.3	5.8	6.4
9	7.9	6.8	7.2	8.4	7.4	7.8	9.1	7.8	8.5	7.1	5.8	6.5
10	8.1	6.8	7.3	8.4	7.3	7.8	9.1	7.8	8.3	6.8	6.0	6.3
11	8.5	7.0	7.5	8.5	7.4	8.0	8.4	7.0	7.9	6.9	5.6	6.5
12	8.2	6.9	7.6	8.2	6.7	7.6	8.0	6.6	7.1	6.8	5.9	6.4
13	7.5	6.1	7.1	8.2	6.6	7.3	8.3	6.6	7.5	7.4	5.3	6.7
14	8.1	7.1	7.6	8.2	6.8	7.4	8.6	7.3	7.9	7.5	6.5	7.1
15	8.2	7.0	7.8	8.4	6.8	7.6	8.4	7.5	7.9	7.4	6.3	7.1
16	8.8	7.6	8.0	8.6	7.2	7.8	8.4	7.4	8.0	7.6	6.3	6.9
17	8.7	7.2	7.8	8.3	7.3	7.8	8.3	7.0	7.8	6.9	6.2	6.4
18	8.6	7.5	8.0	8.2	7.0	7.6	8.2	6.9	7.6	7.5	6.9	7.2
19	8.6	7.2	7.8	9.7	7.1	8.2	8.1	7.1	7.6	7.9	7.2	7.6
20	8.6	7.0	7.8	9.4	8.3	8.9	7.9	6.6	7.4	8.2	7.4	7.8
21	8.5	7.1	7.8	9.2	8.2	8.7	7.5	6.2	6.8	8.3	7.8	8.0
22	8.3	7.2	7.7	9.2	8.2	8.6	7.7	6.5	7.0	8.2	7.4	7.9
23	7.9	6.5	7.2	8.9	8.0	8.4	7.8	6.6	7.2	8.3	7.3	7.9
24	8.3	6.9	7.4	8.8	7.5	8.2	7.5	3.8	5.7	8.2	7.3	7.8
25	7.8	7.5	7.6	8.8	6.9	8.1	4.3	3.5	4.0	8.1	7.3	7.7
26	8.2	7.5	7.8	9.0	7.1	8.0	6.6	3.8	5.3	8.2	6.9	7.7
27	8.1	7.4	7.7	8.4	7.6	7.9	6.5	5.6	6.0	8.2	7.0	7.6
28	8.5	7.4	7.9	8.7	7.8	8.1	6.3	5.6	5.9	8.3	6.9	7.7
29	8.6	7.5	7.9	8.8	7.9	8.3	6.1	5.3	5.8	8.2	6.9	7.7
30	8.6	7.1	7.8	8.6	7.7	8.1	6.8	5.5	6.1	8.3	7.6	8.0
31	---	---	---	8.8	7.6	8.2	6.6	5.7	6.1	---	---	---
MONTH	8.8	6.1	7.5	9.7	6.6	8.0	9.2	3.5	7.3	8.3	4.8	7.0
YEAR	12.8	3.5	8.4									

02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL

LOCATION.--Lat 33° 31'27", long 86° 34'32", in SE $^1/_4$ 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 Branch, 2.0 mi southwest of Leeds, and 12.8 mi upstream from mouth.

DRAINAGE AREA.--19.4 mi^2.

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 NGVD of 1929.

REMARKS.--Estimated daily discharges: May 10 and 11. 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.--Peak discharges greater than base discharge of 850 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0600	1,600	9.54	Sep 16	1945	*3,360	*12.02

Minimum discharge, 6.4 ft^3/s, Sept. 1, gage height, 0.44 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	11	19	23	27	24	20	20	15	32	12	9.2
2	11	9.2	17	21	26	45	16	194	12	25	13	8.0
3	11	9.1	17	19	23	49	16	53	11	43	12	10
4	13	10	19	19	21	33	15	38	67	22	12	9.0
5	12	13	15	79	21	30	18	29	18	19	9.7	7.6
6	11	11	13	45	772	227	16	25	14	17	9.1	8.6
7	14	10	15	32	160	98	15	19	12	25	9.7	29
8	14	8.8	15	27	81	72	22	18	12	19	7.9	21
9	12	8.5	12	39	52	58	19	19	9.9	15	8.6	11
10	12	10	44	29	45	45	16	e18	11	13	9.9	8.8
11	12	11	23	25	44	46	109	e17	10	17	8.5	8.9
12	12	8.6	18	24	151	37	50	17	17	16	23	7.7
13	11	8.2	17	24	76	31	55	19	114	15	13	8.9
14	12	8.5	19	22	64	32	37	17	33	12	10	9.4
15	9.8	8.4	15	21	135	30	32	16	42	12	8.9	9.4
16	10	8.9	18	19	88	28	26	16	34	12	8.8	1,200
17	12	9.5	24	19	64	29	27	15	29	14	8.8	660
18	12	75	17	19	55	24	21	15	22	12	8.4	82
19	11	45	17	19	49	25	22	14	17	11	9.1	53
20	9.6	17	16	15	41	21	18	14	15	11	15	40
21	11	14	13	15	33	34	17	13	16	9.0	18	34
22	10	12	13	15	32	22	21	13	18	9.7	13	30
23	12	12	18	16	31	21	19	12	28	10	10	27
24	8.8	16	23	15	30	20	16	12	52	8.2	10	25
25	11	14	15	242	31	20	15	13	50	11	10	23
26	10	12	17	132	88	20	24	12	28	77	9.8	21
27	9.0	101	14	62	44	16	17	11	28	36	9.3	19
28	10	42	14	45	37	19	17	11	31	20	7.8	19
29	9.9	27	30	39	32	20	16	11	25	15	7.6	18
30	11	22	78	39	---	25	15	9.9	24	12	10	16
31	9.9	---	29	29	---	24	---	22	---	16	7.7	---
TOTAL	346.0	572.7	634	1,189	2,353	1,225	747	732.9	814.9	585.9	330.6	2,433.5
MEAN	11.2	19.1	20.5	38.4	81.1	39.5	24.9	23.6	27.2	18.9	10.7	81.1
MAX	14	101	78	242	772	227	109	194	114	77	23	1,200
MIN	8.8	8.2	12	15	21	16	15	9.9	9.9	8.2	7.6	7.6
CFSM	0.58	0.98	1.05	1.98	4.18	2.04	1.28	1.22	1.40	0.97	0.55	4.18
IN.	0.66	1.10	1.22	2.28	4.51	2.35	1.43	1.41	1.56	1.12	0.63	4.67

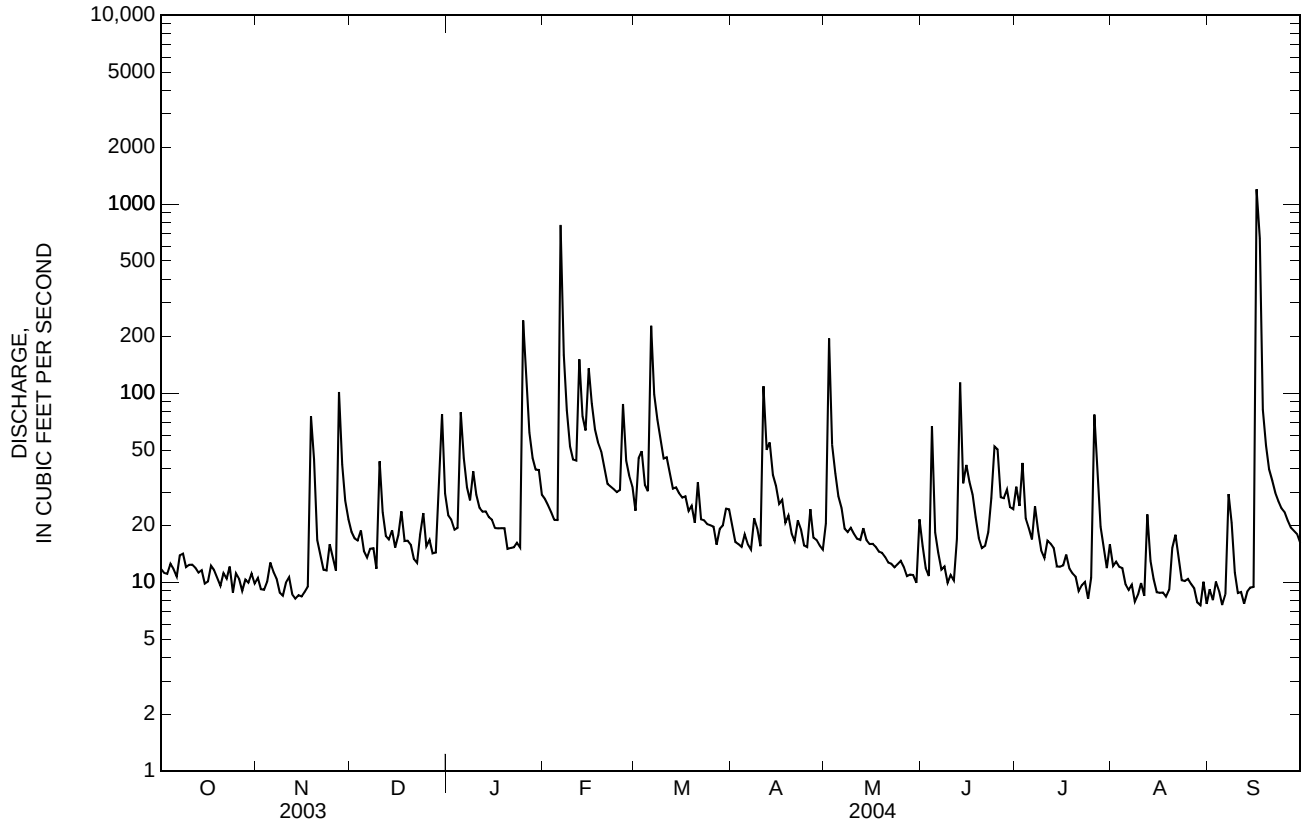
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)

MEAN	19.7	30.7	34.4	59.5	65.1	69.8	48.0	34.3	34.5	30.2	15.0	24.8
MAX	49.3	93.7	77.4	147	163	126	118	217	116	99.7	33.8	81.1
(WY)	(2003)	(1993)	(2003)	(1998)	(1990)	(1996)	(2000)	(2003)	(1999)	(1989)	(1998)	(2004)
MIN	8.75	11.1	11.2	8.79	22.5	39.5	22.3	10.4	6.02	7.65	6.37	6.21
(WY)	(1992)	(2000)	(1981)	(1981)	(2000)	(2004)	(1990)	(1988)	(1988)	(1995)	(1988)	(2000)

02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004	
ANNUAL TOTAL	20,358.7		11,964.5			
ANNUAL MEAN	55.8		32.7		39.0	
HIGHEST ANNUAL MEAN					67.5	2003
LOWEST ANNUAL MEAN					24.6	1992
HIGHEST DAILY MEAN	1,700	May 8	1,200	Sep 16	1,700	May 8, 2003
LOWEST DAILY MEAN	8.2	Nov 13	7.6	Aug 29	3.9	Nov 4, 2000
ANNUAL SEVEN-DAY MINIMUM	9.0	Nov 11	8.5	Aug 27	4.9	Oct 15, 2000
MAXIMUM PEAK FLOW			3,360	Sep 16	5,490	May 7, 2003
MAXIMUM PEAK STAGE			12.02	Sep 16	13.92	May 7, 2003
ANNUAL RUNOFF (CFSM)	2.88		1.69		2.01	
ANNUAL RUNOFF (INCHES)	39.04		22.94		27.32	
10 PERCENT EXCEEDS	100		50		72	
50 PERCENT EXCEEDS	24		17		21	
90 PERCENT EXCEEDS	11		9.4		8.6	

e Estimated



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.--Maximum and minimum values given in EXTREMES FOR PERIOD OF RECORD and EXTREMES FOR CURRENT YEAR may have been exceeded during periods of missing record.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 631 microSiemens, Mar. 11, 1991; minimum, 68 microSiemens, Sept. 16, 2004.
WATER TEMPERATURE: Maximum, 28.2° C, June 7, 1992; minimum, 4.0° C, Jan. 3, 2001.
DISSOLVED OXYGEN: Maximum, 16.4 mg/L, Jan. 13, 2001; minimum, 2.0 mg/L, Sept. 9, 1988.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 469 microSiemens/cm, Sept. 14; minimum, 68 microSiemens/cm, Sept. 16.
WATER TEMPERATURE: Maximum, 24.7° C, July 13, 14; minimum, 7.8° C, Jan. 29.
DISSOLVED OXYGEN: Maximum, 12.7 mg/L, Dec. 3; minimum, 5.5 mg/L, June 9.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	417	373	385	426	377	400	426	384	401	401	358	374
2	417	366	381	400	361	376	429	387	405	419	380	396
3	407	361	377	415	361	387	437	378	410	418	381	400
4	418	374	396	433	368	396	438	390	418	432	392	407
5	438	361	390	436	356	388	423	376	391	416	225	306
6	410	361	378	440	357	396	420	378	394	348	256	315
7	422	338	388	449	364	392	449	375	396	386	321	359
8	389	315	360	447	358	387	443	383	417	404	352	378
9	377	355	367	394	360	376	428	378	396	393	321	362
10	404	364	377	393	363	379	381	282	326	382	334	361
11	412	372	390	396	360	378	381	313	350	394	358	382
12	413	367	392	390	366	382	403	362	375	408	367	392
13	416	368	389	390	359	380	414	374	392	406	355	392
14	419	375	393	394	359	374	408	379	392	412	375	389
15	391	362	377	403	359	383	408	382	392	418	385	403
16	424	361	384	386	356	373	425	386	402	413	380	395
17	418	376	394	400	360	375	404	365	387	414	374	398
18	398	374	386	441	180	347	404	373	387	415	363	391
19	396	377	387	358	204	276	424	387	406	424	377	402
20	386	361	374	367	328	347	434	395	415	420	390	399
21	433	365	389	400	354	372	440	390	402	430	394	406
22	439	369	399	420	366	380	435	390	409	433	392	407
23	412	378	395	426	369	391	443	368	412	435	386	402
24	386	362	376	418	370	382	398	347	378	434	392	409
25	440	374	402	431	367	389	391	347	368	402	106	251
26	422	364	390	410	355	376	426	386	410	294	157	223
27	424	361	384	429	156	293	431	383	398	335	273	300
28	426	370	393	317	232	283	431	389	406	369	311	343
29	421	376	390	407	317	364	426	241	385	390	331	368
30	418	370	388	437	373	395	344	209	265	414	356	397
31	426	372	390	---	---	---	398	310	343	410	364	396
MONTH	440	315	386	449	156	371	449	209	388	435	106	371

02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	440	380	405	381	353	373	400	370	382	389	345	372
2	439	385	418	394	247	345	388	368	374	352	130	204
3	435	394	410	333	271	303	405	372	382	341	265	309
4	451	414	426	357	317	339	398	375	382	372	337	354
5	457	416	429	383	329	359	421	376	393	386	360	374
6	433	73	127	383	128	212	424	376	392	394	366	380
7	250	150	214	307	241	279	426	373	387	394	374	379
8	289	250	271	349	295	319	390	357	374	388	372	381
9	314	289	301	360	319	338	410	345	363	414	377	395
10	325	313	318	360	337	348	415	364	383	413	384	397
11	335	303	327	377	343	367	375	168	254	418	379	394
12	303	187	227	392	349	372	350	265	304	432	381	400
13	295	250	276	392	355	373	350	280	308	408	369	389
14	307	294	300	405	365	380	358	306	326	409	361	383
15	311	204	251	405	364	383	379	330	361	412	375	389
16	301	251	280	406	355	369	376	343	362	421	373	396
17	333	301	315	399	362	380	392	352	377	421	371	393
18	343	325	337	387	370	379	399	369	379	417	369	389
19	355	339	348	414	375	387	427	380	395	416	354	377
20	366	349	356	383	371	378	401	377	386	425	368	397
21	370	348	363	391	280	343	388	379	383	423	370	396
22	373	365	370	375	352	366	410	383	400	415	381	392
23	377	371	374	418	373	386	408	380	397	420	372	392
24	377	372	374	412	363	383	408	379	391	416	376	395
25	377	316	371	404	376	388	408	386	393	415	396	404
26	316	239	275	415	376	391	397	373	387	419	385	402
27	348	314	333	412	374	381	395	355	366	420	368	386
28	363	348	356	410	377	391	404	367	387	426	367	401
29	380	363	371	413	371	392	420	372	394	415	366	380
30	---	---	---	383	333	360	385	367	376	415	362	380
31	---	---	---	394	345	370	---	---	---	378	313	343
MONTH	457	73	328	418	128	359	427	168	371	432	130	378
		JUNE			JULY			AUGUST			SEPTEMBER	
1	389	283	336	387	331	355	417	361	388	461	235	384
2	404	343	370	401	350	388	425	388	409	457	385	411
3	412	340	377	401	263	326	430	387	411	446	320	409
4	369	144	232	389	347	360	439	396	416	452	379	405
5	369	278	330	397	384	391	439	389	410	415	353	379
6	408	343	371	410	382	392	439	387	408	456	380	407
7	405	360	380	409	321	356	444	386	414	398	250	342
8	400	374	389	393	343	357	433	381	398	399	248	346
9	395	364	379	413	367	387	447	380	407	423	345	377
10	424	371	401	419	382	394	440	381	414	400	367	379
11	426	370	400	428	392	415	445	381	408	443	381	395
12	405	241	372	419	361	394	405	250	325	453	386	410
13	286	146	194	401	343	370	417	319	362	460	372	415
14	314	210	285	412	368	383	429	349	386	469	404	432
15	330	266	311	410	378	395	414	365	380	457	256	405
16	360	300	339	427	378	402	439	388	410	454	68	232
17	387	300	354	414	373	394	435	388	409	278	77	167
18	399	375	385	399	369	383	405	377	394	343	278	317
19	410	376	392	424	373	394	446	386	413	374	343	358
20	411	381	393	431	389	407	453	324	407	392	371	381
21	418	382	402	431	386	407	398	289	335	406	388	395
22	421	271	395	439	385	408	406	339	373	412	398	402
23	370	271	326	434	388	408	427	377	396	419	401	405
24	360	205	293	434	388	408	436	387	407	419	406	410
25	348	218	294	436	377	406	444	399	420	423	408	413
26	375	348	357	392	127	307	454	389	407	422	410	414
27	382	345	361	369	226	317	455	395	422	431	405	417
28	379	336	359	401	350	370	456	391	414	426	409	416
29	388	287	367	416	372	389	412	386	401	428	409	419
30	396	358	379	417	383	396	460	383	421	429	410	417
31	---	---	---	428	384	403	441	386	406	---	---	---
MONTH	426	144	351	439	127	383	460	250	399	469	68	382
YEAR	469	68	373									

02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.7	16.3	16.9	18.4	16.1	17.3	12.5	10.4	11.6	12.5	10.4	11.5
2	16.7	14.9	15.9	17.9	15.9	17.1	12.1	10.7	11.5	14.0	12.1	12.8
3	16.7	14.4	15.6	17.9	15.5	16.9	12.2	11.1	11.7	15.6	14.0	14.9
4	18.1	15.8	16.9	19.4	17.1	18.3	12.5	12.1	12.3	16.8	15.6	16.2
5	19.0	16.5	17.6	20.3	18.7	19.6	12.5	11.1	11.8	16.8	13.0	15.4
6	18.4	17.9	18.2	20.3	19.3	19.8	11.1	10.3	10.8	13.0	10.7	12.0
7	19.1	18.2	18.6	19.3	17.9	18.5	11.1	9.2	10.3	10.7	8.6	9.7
8	19.4	18.5	18.9	17.9	16.5	17.3	11.8	9.4	10.7	10.3	9.2	9.7
9	19.1	18.0	18.7	16.8	15.2	16.2	13.3	11.3	12.3	10.2	9.0	9.8
10	19.1	18.7	18.9	16.4	15.0	15.9	13.6	11.0	12.2	10.3	8.9	9.7
11	19.7	18.5	19.2	16.9	15.3	16.1	11.6	10.7	11.1	10.3	8.4	9.5
12	19.8	18.2	19.1	17.9	16.1	17.1	11.1	9.8	10.5	11.1	8.2	10
13	19.8	18.0	19.0	17.7	13.2	15.5	11.1	10.4	10.7	12.5	9.4	11.2
14	19.6	17.7	19.0	13.2	11.4	12.5	11.3	10.5	11.1	12.6	11.2	11.9
15	17.7	15.6	16.6	14.0	11.7	13.0	11.2	9.6	10.5	12.6	11.5	12.3
16	17.1	14.8	16.0	15.9	13.3	14.6	12.9	11.0	12.0	12.0	10.1	11.2
17	16.3	15.3	15.8	17.0	15.2	16.2	12.4	10.4	11.0	12.3	10.9	11.7
18	16.8	14.7	15.7	17.2	16.5	16.8	11.0	9.7	10.4	13.1	12.1	12.7
19	17.0	14.7	15.8	16.9	14.8	16.1	10.8	10.0	10.5	12.4	9.6	11.1
20	17.6	15.1	16.4	15.3	13.3	14.4	10.0	9.1	9.5	10.0	8.4	9.3
21	18.3	15.9	17.1	15.1	13.2	14.2	10.1	8.3	9.2	10.5	8.7	9.6
22	18.3	16.7	17.6	15.4	13.4	14.4	11.7	9.8	10.8	10.8	9.0	9.9
23	17.9	16.1	17.1	16.2	14.2	15.2	12.8	11.5	12.2	10.5	8.9	9.9
24	18.2	16.1	17.3	16.0	12.1	14.3	12.4	10.3	11.4	12.3	9.6	11.0
25	18.7	17.4	18.0	12.3	10.7	11.7	10.3	8.9	9.6	12.8	11.7	12.4
26	18.8	17.9	18.4	13.0	11.0	12.1	10.6	8.9	9.7	12.3	11.5	11.8
27	18.2	15.4	16.9	14.2	13.0	13.5	10.8	9.0	10	11.7	10.0	11.3
28	15.6	14.1	15.0	14.5	12.6	13.8	11.8	9.5	10.6	10.6	8.6	9.6
29	16.3	14.0	15.3	12.8	11.3	11.9	13.2	11.6	12.3	10.8	7.8	9.4
30	17.0	14.4	15.6	12.4	10.1	11.3	12.1	10.9	11.5	11.6	9.6	10.8
31	17.9	16.1	17.1	---	---	---	12.0	9.9	10.9	11.1	8.6	10.1
MONTH	19.8	14.0	17.2	20.3	10.1	15.4	13.6	8.3	11.0	16.8	7.8	11.2
		FEBRUARY			MARCH			APRIL			MAY	
1	11.4	9.5	10.5	15.8	13.0	14.5	15.4	12.6	14.1	19.6	18.2	18.8
2	11.2	10.2	10.9	15.5	14.6	15.1	16.4	12.6	14.6	19.4	17.1	18.4
3	11.4	10.1	10.9	17.1	14.5	15.6	17.1	13.3	15.2	17.3	15.9	16.6
4	11.1	9.0	10.1	17.8	15.6	16.7	16.8	13.4	15.1	17.8	15.0	16.3
5	12.7	10.7	11.4	18.1	16.5	17.2	17.1	13.0	15.1	19.4	15.6	17.2
6	12.9	10.7	11.8	17.6	15.3	16.6	18.4	14.5	16.3	20.0	16.8	18.3
7	10.7	9.2	9.9	16.9	14.5	15.7	18.7	15.1	16.9	19.8	17.2	18.6
8	10.8	8.9	9.7	15.7	13.3	14.4	18.9	16.9	17.8	20.2	17.7	19.0
9	12.1	9.7	10.8	15.0	13.2	14.0	19.2	15.7	17.5	20.7	18.1	19.5
10	12.2	11.5	11.9	15.2	12.5	13.8	18.4	15.5	17.0	20.2	18.9	19.5
11	12.0	10.7	11.7	15.7	12.5	14.0	17.7	16.5	16.9	20.8	18.9	19.9
12	10.7	8.4	9.4	15.8	13.3	14.5	18.2	16.2	17.0	20.9	19.4	20.1
13	11.6	9.7	10.6	15.9	13.2	14.5	17.2	13.3	15.1	20.6	19.8	20.3
14	12.0	11.0	11.5	16.8	14.3	15.6	16.1	12.5	14.0	20.8	19.6	20.2
15	11.7	9.7	10.4	16.5	15.4	16.0	17.5	13.2	15.2	21.0	19.7	20.3
16	10.9	9.8	10.4	18.0	15.8	16.7	18.0	14.3	16.3	21.4	20.0	20.6
17	12.0	10.6	11.2	17.3	14.4	15.9	19.5	15.6	17.4	21.1	19.8	20.5
18	13.0	10.4	11.5	17.5	14.3	15.9	19.8	16.0	17.8	21.2	19.4	20.4
19	13.4	10.7	11.9	19.1	14.9	17.0	19.8	16.4	18.1	21.1	19.8	20.4
20	14.0	12.0	12.9	19.5	15.7	17.7	18.9	16.8	18.0	21.6	19.7	20.6
21	14.4	12.6	13.5	18.6	15.4	17.2	19.0	17.0	18.0	21.8	20.0	20.8
22	14.1	11.6	12.8	15.7	12.8	14.3	19.7	17.9	18.8	22.0	20.2	21.2
23	12.8	12.2	12.5	15.9	12.0	14.0	21.0	18.2	19.6	22.0	20.5	21.3
24	13.3	12.6	12.9	17.3	13.2	15.3	20.5	18.3	19.5	21.8	20.7	21.3
25	13.0	10.5	12.4	18.8	14.8	16.8	19.7	18.7	19.1	22.3	20.6	21.4
26	10.5	8.6	9.4	19.6	16.1	17.9	18.9	18.0	18.5	22.3	20.8	21.5
27	12.3	10.1	11.1	19.1	16.2	17.8	18.3	16.2	17.4	22.3	20.6	21.4
28	13.5	10.2	11.7	20.2	16.2	18.2	18.1	15.3	16.7	21.7	20.9	21.3
29	14.2	11.6	12.9	19.4	16.6	18.2	18.5	16.4	17.6	21.6	20.4	20.9
30	---	---	---	18.8	16.6	17.7	18.6	17.8	18.2	22.5	21.0	21.7
31	---	---	---	16.6	14.0	15.0	---	---	---	22.3	20.6	21.3
MONTH	14.4	8.4	11.3	20.2	12.0	15.9	21.0	12.5	17.0	22.5	15.0	20.0

02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.6	19.3	19.8	22.3	21.4	21.9	23.7	22.4	23.1	22.5	21.4	21.9
2	19.9	19.0	19.4	23.2	21.5	22.2	23.8	22.5	23.1	22.7	21.5	22.1
3	19.9	18.7	19.2	24.0	21.9	23.1	24.0	21.9	22.9	22.6	21.7	22.2
4	21.5	19.7	20.7	23.7	21.8	22.7	23.8	22.4	23.1	22.4	21.7	22.0
5	20.7	19.2	20.0	23.4	21.6	22.6	23.6	22.3	23.0	22.4	20.9	21.7
6	21.2	18.6	19.9	23.8	21.7	22.8	23.1	21.7	22.4	22.4	21.5	22.1
7	20.9	19.6	20.2	24.0	21.8	23.1	22.1	20.3	21.3	22.3	21.4	21.9
8	21.3	19.6	20.4	24.0	21.7	22.8	22.1	20.3	21.2	22.6	21.5	22.0
9	22.2	20.3	21.2	24.2	21.7	23.0	22.2	20.4	21.2	22.0	20.8	21.5
10	22.7	21.1	21.8	24.1	21.9	23.0	22.5	21.4	21.9	22.1	20.7	21.4
11	23.0	21.1	22.0	24.2	22.3	23.3	22.4	20.9	21.6	22.5	20.9	21.7
12	24.0	21.7	22.5	24.5	22.3	23.3	22.2	20.5	21.2	22.3	21.6	22.0
13	24.0	22.7	23.3	24.7	22.3	23.5	20.5	18.9	19.7	22.4	21.3	21.8
14	22.7	21.5	21.8	24.7	22.6	23.7	20.2	17.8	18.9	22.0	21.2	21.7
15	22.3	21.0	21.8	24.0	22.6	23.4	20.2	17.9	19.1	21.8	20.5	20.9
16	23.9	21.6	22.4	23.5	21.8	22.7	20.8	18.8	19.8	22.2	20.8	21.5
17	24.1	21.9	22.9	23.1	21.7	22.4	21.4	19.4	20.5	22.0	21.3	21.6
18	23.7	21.8	22.7	23.7	21.9	22.8	21.8	19.7	20.7	21.5	19.6	20.6
19	24.0	21.5	22.8	23.2	21.2	22.3	22.2	20.6	21.3	20.4	18.6	19.4
20	23.0	21.2	22.3	22.9	21.3	22.1	23.5	20.8	21.8	19.7	18.0	18.8
21	23.4	21.3	22.4	23.0	21.3	22.1	23.4	21.8	22.3	20.0	17.9	18.8
22	24.5	21.4	22.4	23.3	21.5	22.3	22.8	21.5	22.1	19.9	18.2	19.1
23	23.6	22.3	22.7	23.9	22.0	22.9	22.3	21.5	21.9	20.3	18.3	19.3
24	23.5	21.6	22.3	23.9	22.6	23.3	22.2	21.4	21.8	20.7	18.9	19.8
25	23.1	21.9	22.3	23.9	23.1	23.4	22.4	21.5	22.1	20.9	19.5	20.3
26	21.9	20.9	21.3	24.6	22.6	23.3	23.4	21.4	22.2	20.9	19.7	20.3
27	21.8	20.9	21.3	23.7	22.4	22.8	23.6	22.1	22.9	20.7	19.2	20.0
28	21.7	20.9	21.3	23.1	20.7	21.8	23.5	22.2	22.8	20.7	19.3	20.0
29	22.1	20.6	21.2	23.2	20.7	21.9	22.8	21.6	22.3	20.3	19.3	19.7
30	22.2	20.9	21.5	23.0	21.7	22.3	22.9	21.4	22.1	19.7	18.2	18.9
31	---	---	---	23.7	21.8	22.7	22.5	20.9	21.8	---	---	---
MONTH	24.5	18.6	21.5	24.7	20.7	22.8	24.0	17.8	21.7	22.7	17.9	20.8
YEAR	24.7	7.8	17.2									

02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.6	7.5	8.0	8.8	7.4	7.7	8.6	7.9	8.2	8.1	7.0	7.5
2	8.9	8.1	8.5	7.8	7.2	7.5	8.8	8.0	8.3	8.1	7.0	7.4
3	9.1	8.5	8.7	7.4	6.9	7.1	8.8	8.0	8.3	8.1	7.0	7.5
4	8.7	7.8	8.2	7.4	6.9	7.1	8.9	7.9	8.3	8.2	7.0	7.5
5	8.7	7.8	8.3	7.6	7.0	7.3	8.8	7.7	8.2	8.0	7.0	7.4
6	9.0	7.9	8.5	7.6	6.7	7.2	9.0	7.8	8.3	8.0	6.9	7.4
7	8.7	7.7	8.3	7.2	6.6	7.0	9.3	8.1	8.6	7.4	6.7	7.0
8	8.9	7.9	8.4	7.3	6.8	7.0	9.3	8.1	8.6	7.8	6.9	7.3
9	8.0	5.5	7.6	7.7	6.9	7.3	9.2	8.0	8.5	7.9	7.0	7.5
10	7.7	7.0	7.3	7.8	7.1	7.4	8.7	7.9	8.2	8.0	7.1	7.5
11	7.8	7.0	7.3	7.9	7.2	7.5	8.6	7.4	8.1	8.1	6.8	7.5
12	7.7	6.9	7.2	7.9	6.6	7.4	8.0	7.2	7.4	7.9	6.8	7.2
13	7.0	6.0	6.6	7.6	6.5	7.0	8.5	7.1	7.7	7.6	6.5	7.1
14	7.2	6.8	7.0	7.9	6.7	7.2	8.8	7.7	8.1	7.8	7.1	7.4
15	7.3	6.9	7.1	7.9	7.0	7.4	8.8	7.8	8.3	7.7	7.1	7.3
16	7.4	6.6	7.1	8.1	7.2	7.6	8.8	7.8	8.2	7.8	6.8	7.3
17	7.2	6.6	7.0	7.9	7.1	7.5	8.7	7.6	8.1	7.2	6.5	6.8
18	7.5	6.9	7.2	8.0	7.3	7.5	8.6	7.5	8.0	7.6	7.2	7.4
19	7.5	6.9	7.2	9.6	7.3	8.4	8.6	7.4	7.9	7.8	7.3	7.5
20	7.8	6.9	7.3	10.0	8.8	9.3	8.3	6.9	7.7	8.0	7.3	7.7
21	7.7	6.8	7.2	9.9	8.6	9.2	7.4	6.6	6.9	8.0	7.6	7.8
22	7.8	6.8	7.3	9.8	8.7	9.2	7.6	7.0	7.2	8.0	7.5	7.8
23	7.2	6.5	6.9	9.6	8.4	8.9	8.0	7.0	7.4	8.2	7.5	7.8
24	7.8	6.8	7.1	9.4	8.3	8.8	8.1	7.2	7.6	8.1	7.4	7.7
25	6.8	5.8	6.6	9.3	7.9	8.6	7.9	7.3	7.5	8.1	7.3	7.7
26	---	---	---	9.3	7.3	8.3	8.2	7.0	7.6	8.1	7.3	7.6
27	---	---	---	8.4	7.8	8.1	8.0	7.0	7.3	8.1	7.1	7.5
28	---	---	---	8.8	8.1	8.4	8.0	7.0	7.3	8.2	7.2	7.7
29	---	---	---	9.1	8.0	8.5	8.0	6.9	7.4	8.2	7.4	7.7
30	---	---	---	8.8	8.0	8.4	7.9	6.9	7.4	8.3	7.6	7.9
31	---	---	---	8.8	8.1	8.4	8.2	7.0	7.6	---	---	---
MONTH	9.1	5.5	7.5	10.0	6.5	7.9	9.3	6.6	7.9	8.3	6.5	7.5
YEAR	12.7	5.5	8.8									

02423414 LITTLE CAHABA RIVER AT CAHABA BEACH NEAR CAHABA HEIGHTS, AL

LOCATION.--Lat 33° 26'23", long 86° 41'56", in NE $^1/_4$ sec. 25, T. 18 S., R. 2 W., Shelby County, Hydrologic Unit 0315202, on right bank, 1.3 mi from mouth, 1.5 mi southeast of Cahaba Heights, and 3.9 mi southwest of Lake Purdy dam.

DRAINAGE AREA.--47.1 mi^2.

PERIOD OF RECORD.--August 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 450 ft above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Sept. 22-24. Water-stage records good except those estimated, which are poor. Flow completely regulated by Lake Purdy Reservoir.

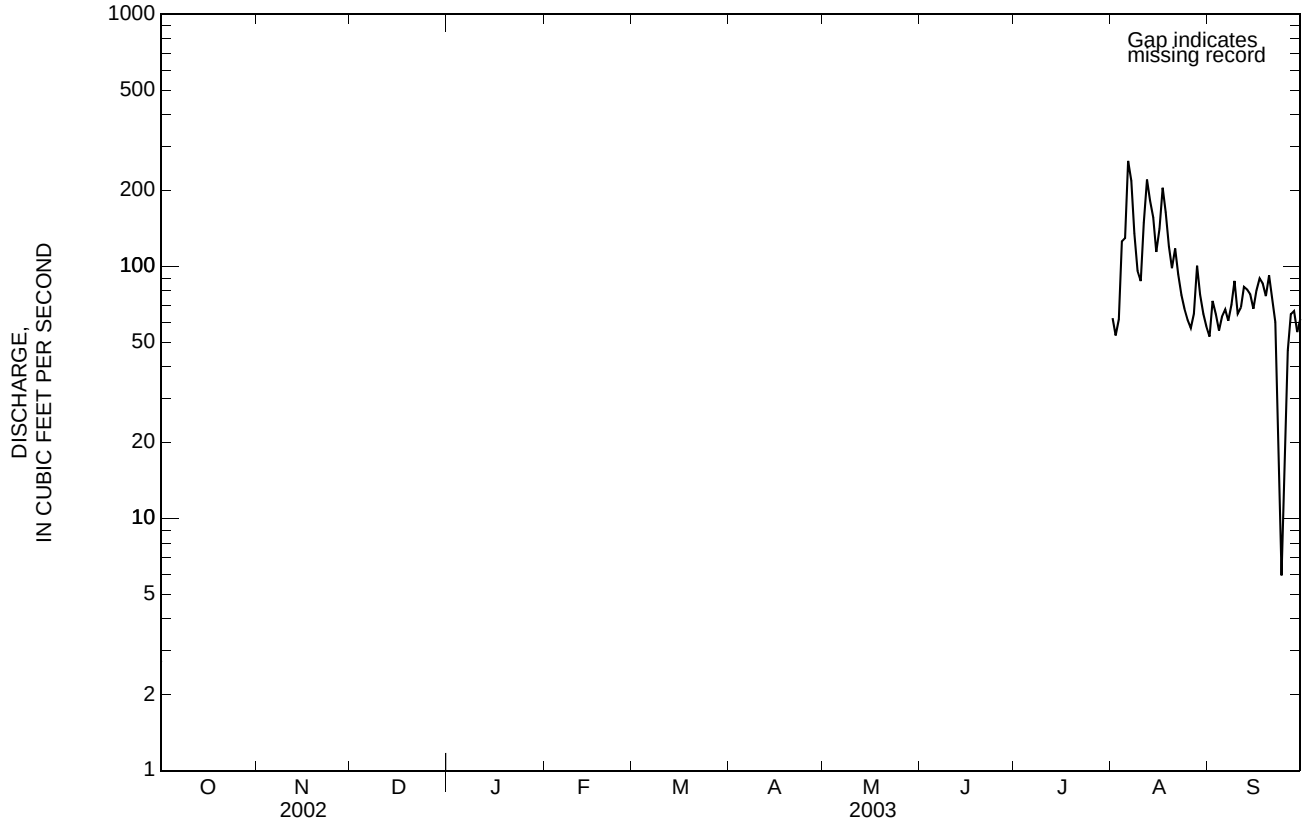
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 318 ft^3/s, Aug. 6, gage height, 2.65 ft; minimum discharge, 2.1 ft^3/s, Sept. 25, gage height, 0.75 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	62	53
2	---	---	---	---	---	---	---	---	---	---	53	73
3	---	---	---	---	---	---	---	---	---	---	62	65
4	---	---	---	---	---	---	---	---	---	---	126	56
5	---	---	---	---	---	---	---	---	---	---	130	63
6	---	---	---	---	---	---	---	---	---	---	262	67
7	---	---	---	---	---	---	---	---	---	---	219	61
8	---	---	---	---	---	---	---	---	---	---	135	71
9	---	---	---	---	---	---	---	---	---	---	96	88
10	---	---	---	---	---	---	---	---	---	---	88	65
11	---	---	---	---	---	---	---	---	---	---	149	69
12	---	---	---	---	---	---	---	---	---	---	221	83
13	---	---	---	---	---	---	---	---	---	---	183	81
14	---	---	---	---	---	---	---	---	---	---	156	78
15	---	---	---	---	---	---	---	---	---	---	114	68
16	---	---	---	---	---	---	---	---	---	---	141	80
17	---	---	---	---	---	---	---	---	---	---	205	90
18	---	---	---	---	---	---	---	---	---	---	164	86
19	---	---	---	---	---	---	---	---	---	---	120	76
20	---	---	---	---	---	---	---	---	---	---	98	92
21	---	---	---	---	---	---	---	---	---	---	118	75
22	---	---	---	---	---	---	---	---	---	---	93	e60
23	---	---	---	---	---	---	---	---	---	---	77	e26
24	---	---	---	---	---	---	---	---	---	---	68	e5.9
25	---	---	---	---	---	---	---	---	---	---	61	12
26	---	---	---	---	---	---	---	---	---	---	57	46
27	---	---	---	---	---	---	---	---	---	---	65	65
28	---	---	---	---	---	---	---	---	---	---	101	67
29	---	---	---	---	---	---	---	---	---	---	77	55
30	---	---	---	---	---	---	---	---	---	---	65	62
31	---	---	---	---	---	---	---	---	---	---	58	---
TOTAL	---	---	---	---	---	---	---	---	---	---	3,624	1,938.9
MEAN	---	---	---	---	---	---	---	---	---	---	117	64.6
MAX	---	---	---	---	---	---	---	---	---	---	262	92
MIN	---	---	---	---	---	---	---	---	---	---	53	5.9
CFSM	---	---	---	---	---	---	---	---	---	---	2.49	1.38
IN.	---	---	---	---	---	---	---	---	---	---	2.87	1.53

e Estimated

02423414 LITTLE CAHABA RIVER AT CAHABA BEACH NEAR CAHABA HEIGHTS, AL—Continued



02423414 LITTLE CAHABA RIVER AT CAHABA BEACH NEAR CAHABA HEIGHTS, AL

LOCATION.--Lat 33° 26'23", long 86° 41'56", in NE $^1/_4$ sec. 25, T. 18 S., R. 2 W., Shelby County, Hydrologic Unit 0315202, on right bank, 1.3 mi from mouth, 1.5 mi southeast of Cahaba Heights, and 3.9 mi southwest of Lake Purdy dam.

DRAINAGE AREA.--47.1 mi^2.

PERIOD OF RECORD.--August 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 450 ft above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: May 25-27. Water-stage records good except those estimated, which are poor. Flow completely regulated by Lake Purdy Reservoir. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,580 ft^3/s, Sept. 17, 2004, gage height, 10.14 ft; minimum discharge, 0.64 ft^3/s, Oct. 17, 2003, gage height, 0.76 ft.

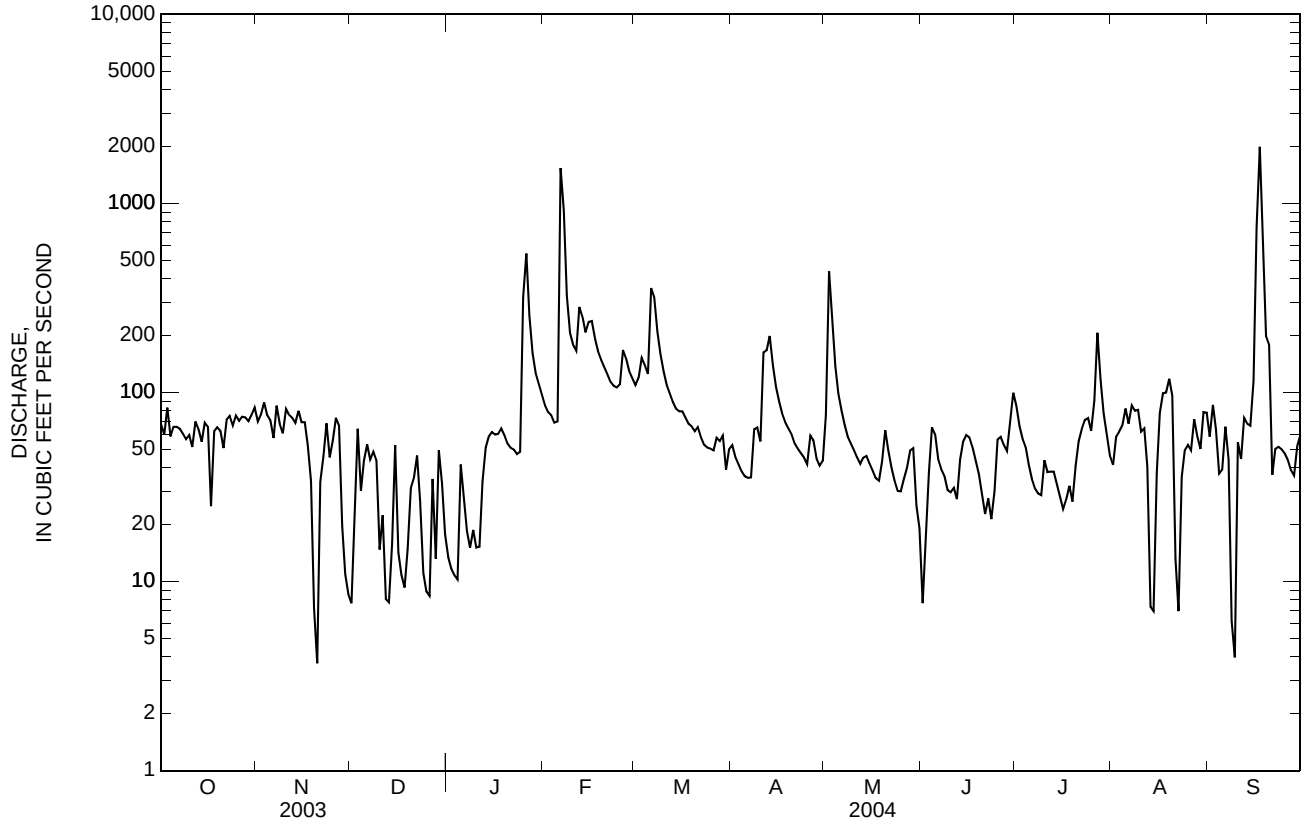
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,580 ft^3/s, Sept. 17, gage height, 10.14 ft; minimum discharge, 0.64 ft^3/s, Oct. 17, gage height, 0.76 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	70	7.7	13	86	110	53	76	7.7	86	41	59
2	60	76	29	12	79	120	46	437	15	67	58	86
3	83	89	64	11	76	153	42	265	38	57	62	64
4	59	76	30	10	69	139	38	138	65	51	67	37
5	66	71	44	42	70	125	36	99	60	42	82	39
6	66	57	53	29	1,540	356	35	80	44	35	68	66
7	64	85	44	18	919	320	36	68	39	31	85	44
8	60	68	49	15	325	209	64	58	36	29	80	6.2
9	57	61	44	19	207	160	65	54	30	29	81	4.0
10	59	82	15	15	179	129	55	50	30	44	62	54
11	51	76	22	15	167	110	163	46	31	38	65	44
12	70	73	8.1	34	283	99	168	42	27	38	41	73
13	64	69	7.8	51	251	89	199	45	44	38	7.4	68
14	55	80	16	58	208	82	139	46	55	33	7.0	67
15	69	70	53	62	237	80	107	42	60	28	37	116
16	66	70	14	60	239	80	90	39	58	24	78	748
17	25	52	11	60	193	74	77	35	51	27	99	1,990
18	62	34	9.3	65	165	68	69	34	44	32	100	498
19	65	7.2	15	60	149	66	64	43	37	26	118	199
20	63	3.7	31	54	136	62	60	63	30	41	96	179
21	51	34	35	51	125	66	54	49	23	55	13	37
22	72	46	46	50	114	58	50	40	28	64	7.0	50
23	75	69	27	47	108	53	48	34	21	72	36	52
24	67	45	11	49	106	51	45	30	30	73	49	50
25	75	55	8.9	319	111	51	42	e30	56	63	53	48
26	71	73	8.4	543	168	49	59	e35	58	91	49	44
27	75	67	35	255	151	58	56	e40	53	207	72	39
28	74	20	13	161	130	55	45	49	49	117	59	36
29	70	11	50	127	119	59	41	51	67	78	50	52
30	76	8.5	33	111	---	39	44	25	100	59	79	59
31	83	---	18	98	---	50	---	19	---	46	78	---
TOTAL	2,021	1,698.4	852.2	2,514	6,710	3,220	2,090	2,162	1,286.7	1,721	1,879.4	4,908.2
MEAN	65.2	56.6	27.5	81.1	231	104	69.7	69.7	42.9	55.5	60.6	164
MAX	83	89	64	543	1,540	356	199	437	100	207	118	1,990
MIN	25	3.7	7.7	10	69	39	35	19	7.7	24	7.0	4.0
CFSM	1.39	1.20	0.58	1.73	4.92	2.21	1.48	1.48	0.91	1.18	1.29	3.48
IN.	1.60	1.34	0.67	1.99	5.31	2.55	1.65	1.71	1.02	1.36	1.49	3.88

e Estimated

02423414 LITTLE CAHABA RIVER AT CAHABA BEACH NEAR CAHABA HEIGHTS, AL—Continued



02423425 CAHABA RIVER NEAR CAHABA HEIGHTS, AL

LOCATION.--Lat 33° 24'56", long 86° 44'23", in NW $^1/_4$ 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 mi^2.

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 ft above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Nov. 4-17, Aug. 26. Records fair except those estimated which are poor. An average of 82 ft^3/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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	1845	9,660	18.97	Sep 17	0845	*15,800	*23.95

Minimum discharge, 1.5 ft^3/s, June 10, 11, 13, gage height, 1.27 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	12	19	301	263	325	85	131	81	438	10	7.1
2	5.4	9.6	19	186	234	347	66	1,060	34	298	6.3	6.8
3	7.2	4.6	22	147	225	460	54	741	51	269	5.4	15
4	14	e4.2	29	74	186	396	43	399	121	211	5.3	13
5	6.6	e6.3	13	275	176	354	36	253	89	140	5.0	8.7
6	5.5	e6.5	15	428	6,000	1,200	24	178	46	96	5.0	8.9
7	4.8	e6.7	21	278	3,520	1,040	19	120	72	210	4.5	50
8	8.4	e6.3	10	195	969	639	79	81	25	195	5.6	49
9	7.5	e6.0	12	218	695	476	81	60	11	90	8.1	22
10	8.3	e7.8	26	216	573	376	56	36	3.2	65	21	8.0
11	11	e5.8	47	172	496	306	418	21	1.9	50	11	11
12	9.0	e5.7	24	155	907	257	450	17	2.0	29	130	7.8
13	14	e5.0	13	150	854	222	589	40	1.7	59	102	12
14	7.4	e4.6	9.0	144	694	184	488	52	182	45	27	9.6
15	5.6	e4.5	14	136	804	169	350	34	122	32	8.0	19
16	7.1	e5.1	17	124	887	169	261	23	118	17	6.9	3,170
17	15	e6.1	21	119	682	257	199	19	179	12	7.2	12,000
18	4.9	153	28	132	550	190	157	19	106	14	8.1	2,820
19	5.2	184	18	137	470	160	116	147	57	13	9.0	1,470
20	7.0	58	9.1	116	418	134	95	105	26	8.6	88	929
21	8.2	16	16	95	372	155	76	56	10	7.8	99	387
22	6.1	16	14	84	327	126	69	35	3.5	7.4	27	220
23	6.2	16	17	71	281	100	54	15	26	8.0	11	107
24	8.8	25	32	73	266	86	44	9.1	391	8.5	6.6	70
25	8.5	7.8	37	1,040	268	80	32	8.2	665	10	6.4	58
26	10	14	20	2,030	545	69	70	9.1	422	137	e6.3	45
27	10	261	13	798	504	74	77	6.5	413	501	7.2	30
28	11	306	26	563	418	66	45	6.6	357	180	7.3	19
29	11	103	46	429	362	56	33	7.3	417	83	8.1	19
30	10	44	573	360	---	48	45	6.0	384	47	6.2	20
31	12	---	493	316	---	88	---	27	---	25	6.2	---
TOTAL	260.4	1,310.6	1,673.1	9,562	22,946	8,609	4,211	3,721.8	4,417.3	3,306.3	664.7	21,611.9
MEAN	8.40	43.7	54.0	308	791	278	140	120	147	107	21.4	720
MAX	15	306	573	2,030	6,000	1,200	589	1,060	665	501	130	12,000
MIN	4.7	4.2	9.0	71	176	48	19	6.0	1.7	7.4	4.5	6.8
CFSM	0.04	0.22	0.27	1.53	3.94	1.38	0.70	0.60	0.73	0.53	0.11	3.58
IN.	0.05	0.24	0.31	1.77	4.25	1.59	0.78	0.69	0.82	0.61	0.12	4.00

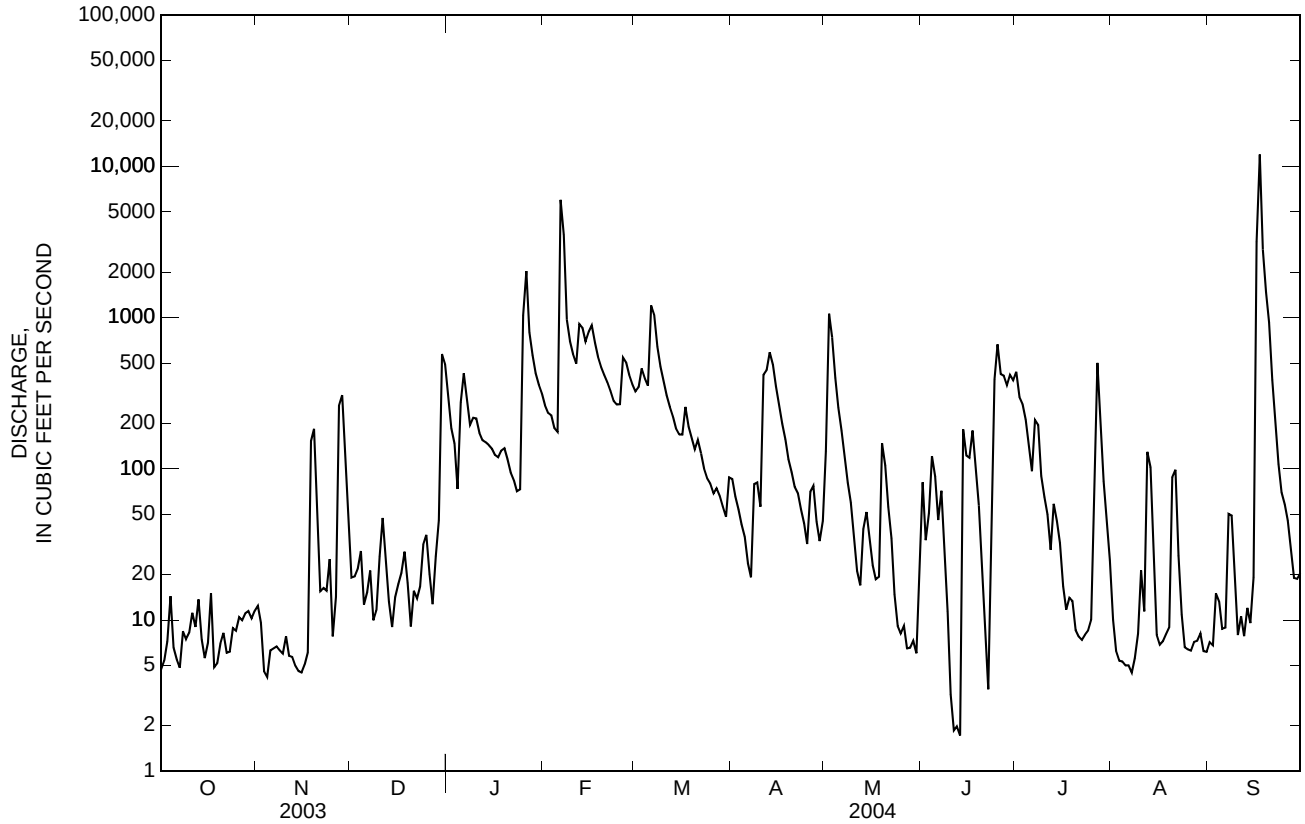
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	101	142	306	454	491	702	617	331	214	99.3	59.4	127
MAX	503	511	1,370	1,189	979	1,783	2,112	1,782	916	338	255	720
(WY)	(1978)	(1978)	(1984)	(1998)	(1983)	(1976)	(1979)	(2003)	(1999)	(2003)	(1975)	(2004)
MIN	1.14	1.39	6.69	6.93	74.0	181	66.9	9.25	8.64	3.94	1.97	2.45
(WY)	(1979)	(1979)	(1981)	(1981)	(2000)	(1985)	(1978)	(1981)	(1981)	(1977)	(1977)	(1978)

02423425 CAHABA RIVER NEAR CAHABA HEIGHTS, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	145,392.5		82,294.1			
ANNUAL MEAN	398		225		302	
HIGHEST ANNUAL MEAN					508	2003
LOWEST ANNUAL MEAN					103	1981
HIGHEST DAILY MEAN	16,700	May 8	12,000	Sep 17	19,300	Apr 13, 1979
LOWEST DAILY MEAN	4.2	Nov 4	1.7	Jun 13	0.10	Oct 26, 1978
ANNUAL SEVEN-DAY MINIMUM	5.3	Nov 11	5.3	Nov 11	0.10	Oct 26, 1978
MAXIMUM PEAK FLOW			15,800	Sep 17	23,400	Apr 13, 1979
MAXIMUM PEAK STAGE			23.95	Sep 17	28.86	Apr 13, 1979
ANNUAL RUNOFF (CFSM)	1.98		1.12		1.50	
ANNUAL RUNOFF (INCHES)	26.91		15.23		20.40	
10 PERCENT EXCEEDS	695		472		699	
50 PERCENT EXCEEDS	153		48		80	
90 PERCENT EXCEEDS	7.8		6.3		4.4	

e Estimated



02423496 CAHABA RIVER NEAR HOOVER, AL

LOCATION.--Lat 33° 22'09", long 86° 47'03", in NE $^1/_4$ 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 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 379.56 ft above NGVD of 1929 (levels by Jefferson County Engineering Department).

REMARKS.--Estimated daily discharges: Sept. 9-15. 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.--Peak discharges greater than base discharge of 4,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	2345	9,510	28.65	Sep 17	1430	*13,300	*33.17

Minimum discharge, 6.5 ft^3/s, Nov. 14, 15, gage height, 2.67 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	10	37	166	211	316	113	168	81	599	28	12
2	9.1	11	26	105	179	384	89	1,960	52	383	21	12
3	8.9	13	22	83	172	540	73	1,370	61	285	16	28
4	15	8.9	44	61	142	411	64	567	121	240	15	89
5	11	12	24	380	117	349	56	318	117	153	13	24
6	12	11	24	568	5,980	1,960	46	199	61	114	13	17
7	10	11	29	317	6,200	1,990	41	128	81	191	11	84
8	11	10	18	211	1,780	1,090	135	92	44	496	13	113
9	12	9.1	17	234	1,010	726	119	68	26	326	13	e48
10	14	12	56	214	749	533	80	53	19	135	45	e20
11	17	8.8	45	163	608	387	675	40	15	101	29	e23
12	17	8.6	42	144	1,520	305	753	64	13	112	329	e17
13	15	7.6	26	122	1,460	261	931	111	11	92	145	e15
14	14	6.9	23	114	1,010	207	737	68	196	104	46	e15
15	12	6.9	28	108	1,330	190	451	53	200	51	19	e18
16	10	7.9	30	101	1,520	179	307	40	153	33	15	3,740
17	19	7.9	44	104	983	289	227	31	193	37	14	11,900
18	15	247	39	109	692	214	189	37	146	31	13	4,480
19	11	352	30	106	527	179	129	142	93	27	13	976
20	12	121	22	90	433	157	109	132	49	22	131	614
21	13	35	21	78	361	187	88	79	28	20	215	226
22	13	21	21	57	296	158	78	90	19	21	51	158
23	10	18	40	51	253	109	62	33	21	15	31	127
24	9.4	34	51	49	245	92	50	22	417	20	18	91
25	10	17	44	1,430	233	85	42	18	1,040	49	16	72
26	12	13	32	3,210	646	73	89	18	571	552	15	54
27	12	721	25	1,390	580	75	82	17	514	966	16	41
28	9.8	573	31	745	435	75	56	16	435	232	13	31
29	11	188	77	487	355	72	37	16	661	102	12	26
30	11	80	602	354	---	67	41	17	794	63	15	32
31	9.6	---	357	271	---	95	---	65	---	45	13	---
TOTAL	375.7	2,582.6	1,927	11,622	30,027	11,755	5,949	6,032	6,232	5,617	1,357	23,103
MEAN	12.1	86.1	62.2	375	1,035	379	198	195	208	181	43.8	770
MAX	19	721	602	3,210	6,200	1,990	931	1,960	1,040	966	329	11,900
MIN	8.9	6.9	17	49	117	67	37	16	11	15	11	12
CFSM	0.05	0.38	0.28	1.66	4.58	1.68	0.88	0.86	0.92	0.80	0.19	3.41
IN.	0.06	0.43	0.32	1.91	4.94	1.93	0.98	0.99	1.03	0.92	0.22	3.80

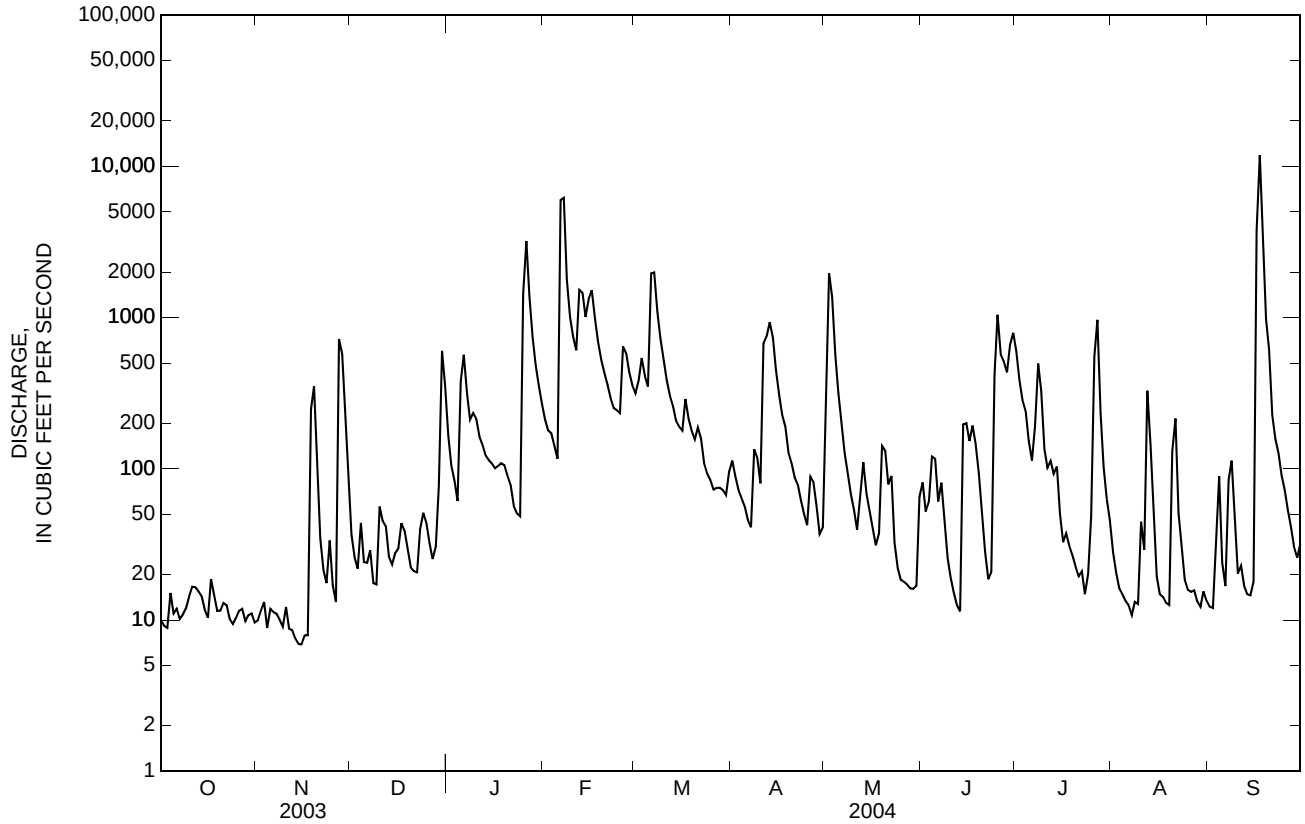
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	129	253	338	685	700	814	473	305	272	190	78.9	190
MAX	690	900	988	1,469	1,819	1,524	1,324	2,540	1,219	709	329	817
(WY)	(1996)	(1993)	(2003)	(1998)	(1990)	(1996)	(2000)	(2003)	(1997)	(1989)	(1992)	(2001)
MIN	4.67	18.5	25.4	170	89.0	359	108	11.4	4.61	13.0	7.75	3.22
(WY)	(2001)	(1991)	(2001)	(1991)	(2000)	(1992)	(1990)	(1992)	(1988)	(1995)	(2002)	(1990)

02423496 CAHABA RIVER NEAR HOOVER, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	207,838.3		106,579.3			
ANNUAL MEAN	569		291		372	
HIGHEST ANNUAL MEAN					736	2003
LOWEST ANNUAL MEAN					205	1992
HIGHEST DAILY MEAN	15,100	May 8	11,900	Sep 17	15,100	May 8, 2003
LOWEST DAILY MEAN	6.9	Nov 14	6.9	Nov 14	1.5	Oct 13, 2000
ANNUAL SEVEN-DAY MINIMUM	7.8	Nov 11	7.8	Nov 11	1.7	Oct 11, 2000
MAXIMUM PEAK FLOW			13,300	Sep 17	20,400	May 8, 2003
MAXIMUM PEAK STAGE			33.17	Sep 17	38.59	May 8, 2003
ANNUAL RUNOFF (CFSM)	2.52		1.29		1.64	
ANNUAL RUNOFF (INCHES)	34.21		17.54		22.34	
10 PERCENT EXCEEDS	1,280		624		890	
50 PERCENT EXCEEDS	175		68		110	
90 PERCENT EXCEEDS	12		12		8.9	

e Estimated



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.

REMARKS.--Maximum and minimum values given in EXTREMES FOR PERIOD OF RECORD and EXTREMES FOR CURRENT YEAR may have been exceeded during periods of missing record.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 421 microSiemens, Sept. 20, 2002; minimum, 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, 17.1 mg/L, Mar. 6, 2002; minimum, 0.5 mg/L, Sept. 28, 1995.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 388 microSiemens/cm, Nov. 5; minimum, 68 microSiemens/cm, July 26.
WATER TEMPERATURE: Maximum, 30.3° C, July 15, Aug. 4; minimum, 4.6° C, Dec. 21.
DISSOLVED OXYGEN: Maximum, 15.7 mg/L, Jan. 23; minimum, 2.2 mg/L, Apr. 23.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	285	272	279	364	346	356	248	241	245	191	183	188
2	300	285	292	355	339	347	256	248	252	204	191	199
3	305	295	302	364	347	357	255	250	252	212	200	204
4	304	298	301	380	357	362	252	235	244	212	203	207
5	315	303	309	388	354	367	250	243	246	214	145	183
6	330	312	320	366	354	360	254	244	249	174	155	165
7	351	330	344	368	351	360	255	247	251	174	162	167
8	350	296	330	371	352	360	252	247	250	186	174	183
9	334	314	322	380	356	364	257	249	251	186	170	177
10	336	325	332	371	349	363	264	221	242	174	171	173
11	327	314	318	380	359	370	250	220	231	180	171	177
12	315	296	304	377	363	369	279	250	265	189	178	184
13	318	305	309	375	359	368	281	275	279	191	182	185
14	335	312	320	382	364	374	275	260	266	208	190	199
15	348	328	337	379	366	372	260	238	252	219	208	214
16	349	332	341	381	365	371	256	245	253	230	219	224
17	348	330	339	380	368	376	252	230	241	233	228	230
18	343	328	333	380	230	315	269	232	251	236	229	232
19	343	333	339	252	214	233	274	264	268	236	229	232
20	346	337	342	306	252	284	277	269	273	238	233	236
21	348	334	342	323	293	306	278	274	276	236	231	234
22	348	336	343	312	296	304	277	266	273	235	228	232
23	350	334	344	298	289	293	268	237	259	240	229	235
24	356	345	349	298	283	290	241	221	229	247	240	243
25	360	340	349	303	288	294	279	239	263	247	124	194
26	351	341	348	312	302	307	287	278	282	166	133	146
27	364	343	350	312	163	251	278	266	271	156	143	151
28	360	345	354	225	188	209	266	260	263	165	155	159
29	360	345	354	212	192	207	265	197	250	173	164	167
30	359	339	351	241	210	226	234	162	217	179	172	175
31	373	345	355	---	---	---	210	186	192	185	178	181
MONTH	373	272	331	388	163	324	287	162	253	247	124	196

02423496 CAHABA RIVER NEAR HOOVER, AL—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	191	181	187	182	179	180	241	229	234	203	170	195
2	197	190	192	185	167	180	232	225	228	188	139	156
3	198	194	196	174	169	171	233	221	225	176	149	166
4	203	195	200	176	169	172	236	233	235	190	176	181
5	206	203	205	180	176	178	246	232	239	202	190	196
6	205	101	121	179	136	151	248	239	242	210	202	207
7	141	101	123	151	142	145	260	248	251	215	208	211
8	147	135	141	155	145	150	262	210	232	221	213	216
9	147	137	142	161	154	157	243	235	238	231	221	227
10	155	147	151	165	160	162	244	237	240	236	227	231
11	163	154	157	170	165	168	244	182	210	240	230	235
12	156	135	143	176	168	172	193	182	190	240	177	229
13	146	135	141	180	173	176	194	172	184	213	126	178
14	147	143	145	186	178	182	172	164	167	239	213	232
15	149	137	143	192	180	187	175	171	172	240	234	237
16	148	138	143	192	189	190	178	174	177	236	230	233
17	150	146	148	194	173	183	188	178	184	239	234	235
18	156	150	153	187	176	182	194	185	190	241	238	240
19	162	155	159	196	184	189	195	188	190	254	223	241
20	169	162	166	207	190	196	202	194	198	223	207	212
21	175	167	171	207	197	201	204	199	201	224	214	218
22	179	174	177	200	184	193	208	197	200	220	192	201
23	185	178	182	199	189	195	208	203	206	207	195	200
24	192	184	188	212	197	205	211	207	209	222	207	215
25	195	179	192	225	210	215	217	209	212	228	221	225
26	180	165	176	233	225	229	218	211	214	234	227	231
27	178	170	174	237	230	233	219	215	216	237	233	235
28	181	178	180	240	231	235	215	211	213	243	237	238
29	180	175	178	244	237	239	217	213	216	250	242	248
30	---	---	---	248	241	243	216	196	211	252	246	248
31	---	---	---	247	241	244	---	---	---	249	190	216
MONTH	206	101	165	248	136	190	262	164	211	254	126	217
		JUNE			JULY			AUGUST			SEPTEMBER	
1	285	193	234	172	161	168	234	219	229	275	273	274
2	281	238	250	173	155	162	246	230	239	277	274	275
3	247	200	239	176	172	174	256	230	245	283	250	279
4	230	200	221	175	170	171	265	254	259	270	145	195
5	234	221	229	179	170	175	271	265	267	241	216	235
6	234	228	232	189	178	182	271	264	267	260	241	250
7	240	231	235	196	172	191	267	264	266	272	200	243
8	241	232	237	172	75	150	269	265	266	261	205	245
9	240	234	236	196	111	172	274	266	269	254	237	242
10	245	240	243	202	194	199	285	238	261	250	243	247
11	249	244	247	210	198	203	239	217	229	258	240	248
12	249	231	239	220	121	195	251	86	194	271	258	267
13	246	232	239	218	155	188	250	215	240	271	267	269
14	301	246	256	223	202	218	252	244	248	277	267	272
15	248	186	212	232	222	226	254	252	252	272	265	267
16	221	200	215	246	232	236	259	253	255	278	90	180
17	227	214	223	241	201	227	264	259	261	107	85	98
18	227	212	221	242	224	237	264	260	262	112	96	107
19	212	204	207	236	232	234	264	261	263	125	111	117
20	216	204	211	244	235	241	264	96	232	134	125	130
21	224	215	218	248	243	244	264	172	239	140	132	137
22	229	197	222	248	227	236	261	246	253	145	135	139
23	232	205	222	259	245	254	266	260	263	157	144	150
24	248	178	227	268	254	259	266	256	262	163	154	159
25	189	125	150	258	127	230	260	255	257	174	163	167
26	147	130	139	211	68	183	262	258	260	180	174	178
27	155	137	148	238	155	194	263	258	261	193	179	186
28	159	152	154	204	190	198	266	260	263	202	193	197
29	164	100	151	224	204	214	267	265	267	212	202	207
30	165	139	156	233	224	226	266	259	263	216	210	213
31	---	---	---	240	191	212	274	264	267	---	---	---
MONTH	301	100	214	268	68	206	285	86	254	283	85	206
YEAR	388	68	231									

02423496 CAHABA RIVER NEAR HOOVER, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.5	19.0	19.7	18.4	16.2	17.1	10.1	8.9	9.5	7.9	6.9	7.4
2	19.6	18.1	18.9	18.4	16.4	17.2	10.0	8.5	9.3	8.8	7.3	8.0
3	19.0	17.2	18.1	18.3	16.4	17.2	9.9	8.7	9.3	10.6	8.8	9.6
4	19.0	17.4	18.3	19.0	16.9	17.9	9.9	9.6	9.8	12.3	10.6	11.5
5	20.1	18.6	19.2	20.2	18.7	19.4	9.9	9.1	9.6	14.6	10.4	12.6
6	20.7	19.8	20.2	20.9	19.8	20.3	9.1	7.6	8.3	11.0	9.5	10.2
7	21.2	20.2	20.7	20.5	19.3	19.9	7.6	6.4	7.1	9.5	7.7	8.3
8	21.6	20.4	20.8	19.3	18.2	18.7	7.6	6.1	6.8	7.7	7.2	7.5
9	20.9	19.9	20.4	18.3	16.8	17.6	9.4	7.2	8.1	7.2	6.7	7.0
10	20.6	20.0	20.3	17.7	16.4	17.0	10.8	9.4	10.1	6.7	5.6	6.2
11	21.1	20.1	20.6	17.7	16.1	16.8	9.7	8.0	8.9	5.9	4.9	5.5
12	21.3	19.8	20.5	17.8	16.5	17.2	8.2	7.4	7.8	6.4	4.7	5.7
13	21.7	20.1	20.7	17.5	15.6	16.4	8.0	7.3	7.6	7.1	5.4	6.3
14	21.3	19.9	20.8	15.6	13.9	14.4	8.1	7.6	8.0	7.5	6.3	7.0
15	20.1	18.4	19.2	14.1	12.8	13.5	8.6	6.5	7.5	8.3	7.2	7.7
16	19.2	16.8	17.9	14.6	13.2	13.9	9.6	7.1	8.1	7.9	6.2	7.2
17	18.0	16.1	16.7	16.0	14.5	14.9	8.9	7.8	8.4	8.4	7.3	7.8
18	17.5	15.6	16.4	17.5	15.4	16.3	7.8	6.5	7.0	9.1	8.4	8.7
19	17.8	15.5	16.4	17.2	15.8	16.8	7.3	6.4	6.9	8.9	7.0	7.9
20	18.4	15.8	16.8	15.8	14.6	15.2	7.0	5.4	5.9	7.0	5.4	6.2
21	19.0	16.5	17.5	15.0	14.0	14.4	5.7	4.6	5.2	6.8	5.0	6.0
22	19.6	17.4	18.2	14.6	13.1	13.9	6.5	4.8	5.6	6.3	5.1	5.8
23	19.5	17.1	18.1	15.0	13.6	14.3	9.1	6.4	7.4	6.3	5.3	5.8
24	19.7	17.2	18.3	15.3	12.6	14.2	8.9	7.4	8.5	7.6	5.5	6.4
25	19.8	17.8	18.7	12.6	10.8	11.5	7.4	5.9	6.5	11.6	7.6	9.4
26	19.7	18.6	19.1	11.9	10.6	11.1	6.6	5.3	5.9	10.4	9.4	9.8
27	19.0	17.1	18.2	14.2	11.3	12.8	6.4	4.9	5.7	9.9	8.5	9.4
28	17.1	15.7	16.4	14.1	12.2	13.2	7.0	5.2	6.2	8.5	7.3	7.9
29	17.1	14.8	15.8	12.2	11.0	11.4	10.6	6.8	8.2	7.4	6.4	7.0
30	17.3	14.8	15.8	11.0	9.8	10.4	10.9	7.3	8.7	8.0	7.0	7.4
31	17.8	15.6	16.5	---	---	---	7.8	7.0	7.4	7.5	6.2	6.9
MONTH	21.7	14.8	18.6	20.9	9.8	15.5	10.9	4.6	7.7	14.6	4.7	7.7
		FEBRUARY			MARCH			APRIL			MAY	
1	7.9	6.2	7.1	11.8	10.3	11.1	16.0	13.7	15.0	21.6	19.8	20.6
2	7.8	7.5	7.6	12.8	11.6	12.1	16.8	14.1	15.5	21.0	19.2	19.9
3	8.3	7.3	7.8	13.8	12.1	13.0	17.0	14.7	15.9	19.2	18.1	18.7
4	7.6	6.3	7.0	15.2	13.5	14.4	17.2	15.2	16.1	19.1	17.1	18.1
5	8.9	7.2	7.9	16.0	14.8	15.4	17.2	14.6	15.9	20.2	17.6	18.9
6	12.4	8.9	10.7	16.4	15.6	16.0	18.9	15.4	17.0	21.5	18.7	20.1
7	10.3	8.7	9.6	15.8	14.9	15.3	19.1	16.3	17.8	22.6	19.7	21.2
8	8.7	8.0	8.3	14.9	13.6	14.3	19.1	17.7	18.4	23.6	20.3	22.0
9	8.8	7.8	8.3	14.1	12.9	13.5	19.9	17.4	18.7	24.3	22.0	23.2
10	9.1	8.6	8.8	13.5	11.9	12.8	19.4	17.1	18.4	24.9	23.4	23.9
11	9.1	8.9	9.0	13.4	11.5	12.5	19.1	17.5	18.1	25.4	22.9	24.1
12	8.9	8.6	8.8	13.9	11.9	12.9	18.7	17.5	18.0	25.0	23.3	24.1
13	9.1	8.5	8.8	14.3	11.8	13.1	18.2	15.3	16.8	24.1	22.5	23.4
14	9.4	8.9	9.1	14.9	12.5	13.8	15.7	14.2	15.0	24.6	23.1	23.8
15	9.4	9.0	9.3	15.0	14.2	14.6	16.4	13.9	15.2	24.8	23.5	24.1
16	9.0	8.8	8.9	16.7	14.8	15.6	17.5	14.7	16.1	25.9	23.7	24.8
17	9.0	8.6	8.8	16.2	14.4	15.4	18.9	15.8	17.4	25.8	24.0	24.8
18	9.2	8.0	8.6	16.5	14.3	15.4	19.6	17.1	18.4	26.3	23.8	25.0
19	9.3	7.8	8.6	17.7	15.0	16.4	20.4	18.0	19.2	26.0	24.0	25.0
20	9.6	8.5	9.0	18.5	16.2	17.4	20.4	18.3	19.5	25.5	23.1	24.4
21	10.4	9.0	9.7	18.7	16.5	17.8	20.6	18.5	19.6	26.8	24.3	25.5
22	10.5	8.9	9.7	16.6	15.0	15.7	21.6	19.7	20.7	27.4	25.4	26.3
23	10.0	9.3	9.7	15.9	12.9	14.8	23.0	20.8	21.8	27.7	25.2	26.4
24	10.6	9.8	10.2	16.5	13.6	15.3	23.6	21.6	22.5	27.4	25.6	26.4
25	10.5	9.2	10.2	18.1	15.2	16.7	22.6	21.4	22.0	28.1	25.3	26.5
26	9.2	8.7	9.0	19.1	16.7	18.0	21.4	20.6	21.0	27.9	25.7	26.7
27	9.4	8.4	8.8	19.2	17.6	18.5	21.4	19.2	20.3	28.5	25.6	26.7
28	10.0	8.1	9.1	20.4	17.9	19.2	20.9	18.5	19.8	27.7	25.8	26.6
29	10.7	8.8	9.8	19.9	18.4	19.3	20.5	19.0	19.9	27.4	25.5	26.2
30	---	---	---	19.6	17.8	18.9	20.4	19.7	20.0	28.0	25.9	26.7
31	---	---	---	17.8	15.0	16.2	---	---	---	26.9	23.7	25.2
MONTH	12.4	6.2	8.9	20.4	10.3	15.3	23.6	13.7	18.3	28.5	17.1	23.8

02423496 CAHABA RIVER NEAR HOOVER, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.1	23.0	23.6	25.1	23.9	24.6	29.3	26.6	27.9	27.6	25.5	26.4
2	24.0	22.5	23.2	25.6	24.1	24.8	29.8	27.1	28.4	27.4	25.7	26.4
3	22.9	22.0	22.4	26.3	24.5	25.4	29.8	27.3	28.5	26.8	25.5	26.1
4	24.8	22.6	23.6	27.1	25.0	25.9	30.3	27.4	28.6	26.8	24.8	25.8
5	24.3	22.2	23.2	27.8	25.4	26.6	29.7	27.8	28.6	26.8	24.5	25.6
6	24.3	22.5	23.5	29.3	26.2	27.6	29.5	26.8	27.9	26.4	25.0	25.7
7	24.5	23.8	24.1	28.9	26.4	27.5	28.2	25.0	26.6	25.3	24.0	24.7
8	25.8	23.6	24.6	28.1	24.2	26.6	27.6	24.5	26.0	25.9	24.0	24.9
9	27.2	24.4	25.7	28.8	25.3	27.5	26.7	24.7	25.6	26.1	24.2	25.2
10	27.4	25.3	26.4	29.2	27.2	28.3	27.3	24.6	25.9	26.1	23.8	25.0
11	28.2	25.7	26.9	29.7	27.5	28.7	27.0	24.8	26.0	27.0	24.5	25.7
12	29.6	26.4	27.8	30.0	26.4	28.4	26.4	23.0	24.8	26.8	25.0	25.7
13	28.3	26.7	27.5	29.7	26.9	28.2	25.0	21.4	23.0	26.2	25.1	25.6
14	26.7	23.0	25.0	30.1	27.4	28.8	23.5	21.6	22.6	25.8	24.4	25.1
15	25.5	23.0	24.3	30.3	28.4	29.1	24.2	21.2	22.6	25.0	24.1	24.6
16	27.1	25.3	26.2	28.9	27.0	27.8	24.5	22.1	23.2	24.1	22.7	23.3
17	28.0	25.8	26.8	27.4	26.0	26.6	25.9	23.3	24.4	22.7	22.6	22.6
18	28.1	26.1	27.1	28.5	25.8	26.9	26.7	23.6	25.0	23.0	22.4	22.7
19	28.9	26.8	27.9	28.7	26.0	27.3	26.8	24.3	25.5	23.0	21.9	22.5
20	28.4	27.0	27.7	27.8	26.0	26.9	27.3	24.8	25.6	22.3	21.5	21.9
21	29.2	26.8	27.9	28.2	25.9	27.0	25.6	22.4	23.5	22.3	20.8	21.6
22	29.6	26.9	27.7	29.2	26.3	27.6	24.2	22.6	23.3	22.2	20.6	21.4
23	27.1	26.2	26.7	29.4	26.2	27.6	25.7	23.7	24.7	22.5	20.7	21.7
24	26.5	25.2	25.9	29.8	26.8	28.1	26.1	24.6	25.3	23.2	20.9	22.2
25	25.7	23.5	24.3	29.7	26.8	28.2	26.4	25.3	25.8	23.4	22.0	22.8
26	24.4	23.4	23.8	29.7	24.7	27.9	27.0	25.3	26.2	23.8	22.7	23.2
27	24.7	23.5	24.1	26.8	20.9	24.8	28.2	26.0	26.8	23.7	22.6	23.2
28	24.3	23.4	23.9	28.1	25.6	26.8	28.6	26.4	27.3	23.7	22.4	23.1
29	24.9	23.4	24.1	28.0	25.8	27.0	27.8	26.3	27.0	23.7	22.2	22.9
30	25.0	23.9	24.4	28.1	26.8	27.5	27.7	25.9	26.6	22.8	21.2	22.0
31	---	---	---	28.1	27.0	27.6	27.5	25.4	26.2	---	---	---
MONTH	29.6	22.0	25.3	30.3	20.9	27.2	30.3	21.2	25.8	27.6	20.6	24.0
YEAR	30.3	4.6	18.2									

02423496 CAHABA RIVER NEAR HOOVER, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	12.8	11.6	12.3
2	---	---	---	---	---	---	---	---	---	12.4	10.6	11.8
3	---	---	---	---	---	---	---	---	---	11.8	10.5	11.2
4	---	---	---	---	---	---	11.7	10.2	11.1	11.1	9.2	10.3
5	---	---	---	---	---	---	10.3	5.2	8.4	11.2	9.0	10.0
6	---	---	---	---	---	---	10.7	5.4	9.0	11.6	11.0	11.2
7	---	---	---	---	---	---	11.8	6.0	10.4	11.9	11.2	11.6
8	---	---	---	---	---	---	10.8	5.7	8.5	12.1	11.6	11.9
9	---	---	---	---	---	---	11.0	3.8	7.6	12.0	11.8	12.0
10	---	---	---	---	---	---	10.9	6.7	9.6	12.8	12.0	12.4
11	---	---	---	---	---	---	11.6	6.5	9.9	13.1	12.4	12.7
12	---	---	---	---	---	---	12.0	9.3	10.8	13.0	12.5	12.7
13	---	---	---	---	---	---	11.8	10.7	11.5	13.1	12.3	12.6
14	---	---	---	---	---	---	11.5	5.6	9.2	12.6	11.8	12.2
15	---	---	---	---	---	---	12.4	7.9	11.3	12.9	11.5	12.1
16	---	---	---	---	---	---	12.5	11.6	12.1	13.0	11.6	12.2
17	---	---	---	---	---	---	11.9	9.8	11.6	12.5	11.4	11.9
18	---	---	---	8.2	2.8	6.6	12.8	11.6	12.2	11.7	10.8	11.3
19	---	---	---	8.6	8.0	8.3	13.0	12.0	12.4	13.5	10.9	12.1
20	---	---	---	8.7	3.3	7.0	12.8	10.5	12.3	14.2	11.8	12.8
21	---	---	---	---	---	---	14.1	11.1	12.5	14.3	12.1	13.1
22	---	---	---	---	---	---	13.9	12.2	12.9	15.4	12.3	13.5
23	---	---	---	---	---	---	13.4	11.1	12.3	15.7	12.3	13.8
24	---	---	---	---	---	---	12.6	11.2	11.8	15.6	12.5	13.7
25	---	---	---	---	---	---	14.0	9.1	12.8	12.9	10.6	11.4
26	---	---	---	---	---	---	14.3	13.0	13.5	12.3	11.0	11.7
27	---	---	---	9.8	2.9	7.5	14.2	12.6	13.5	12.4	12.0	12.2
28	---	---	---	10.3	4.2	9.0	14.8	11.7	13.6	13.0	12.4	12.9
29	---	---	---	---	---	---	13.9	11.0	12.4	13.4	12.9	13.1
30	---	---	---	---	---	---	12.8	10.8	12.1	13.1	12.9	13.0
31	---	---	---	---	---	---	12.8	12.3	12.6	13.4	12.8	13.1
MONTH	---	---	---	10.3	2.8	7.7	14.8	3.8	11.4	15.7	9.0	12.2
	FEBRUARY			MARCH			APRIL			MAY		
1	13.4	12.8	13.1	11.2	10.7	11.0	10.3	8.8	9.4	8.3	4.8	7.7
2	12.9	12.5	12.7	10.7	10.3	10.5	10.7	8.7	9.5	9.0	4.4	8.5
3	13.2	12.3	12.8	10.8	10.1	10.5	10.7	7.8	9.2	9.3	9.0	9.2
4	13.7	12.8	13.2	10.6	9.8	10.2	10.6	6.9	9.2	10.6	8.8	9.4
5	12.8	11.9	12.3	10.1	9.5	9.8	12.2	8.2	10.3	9.2	6.9	8.3
6	12.0	10.7	11.2	9.7	9.2	9.5	11.6	9.3	10.3	7.7	4.7	6.9
7	12.4	11.0	11.8	9.8	9.6	9.7	10.9	8.4	9.6	---	---	---
8	12.8	12.4	12.7	10.2	9.7	10.0	9.2	8.1	8.6	---	---	---
9	12.8	12.5	12.7	10.7	10.0	10.2	9.6	7.8	8.5	---	---	---
10	12.5	12.2	12.3	10.7	10.2	10.4	9.2	7.2	8.2	---	---	---
11	12.3	12.2	12.2	10.8	10.3	10.5	8.9	7.6	8.2	---	---	---
12	12.6	12.2	12.4	10.8	10.2	10.5	---	---	---	---	---	---
13	12.6	12.4	12.5	10.9	10.2	10.5	9.5	9.1	9.3	---	---	---
14	12.4	12.0	12.3	11.0	10.0	10.4	10.0	9.5	9.8	---	---	---
15	12.3	11.8	12.0	10.7	9.6	10.1	10.0	9.5	9.8	---	---	---
16	12.6	12.3	12.5	10.9	9.3	10.0	9.8	9.1	9.5	---	---	---
17	12.6	12.5	12.6	11.2	9.5	10.1	9.2	8.4	8.8	7.2	6.0	6.4
18	12.7	12.4	12.6	11.5	9.4	10.2	8.4	7.4	8.1	7.1	5.7	6.3
19	12.6	12.2	12.5	12.2	9.2	10.4	8.8	5.9	7.7	7.4	5.4	6.6
20	12.2	11.8	12.1	12.0	8.7	10.1	8.6	5.8	7.4	7.9	6.2	7.5
21	12.0	11.6	11.8	11.5	8.3	9.7	8.9	5.1	7.4	7.6	6.6	7.0
22	12.0	11.6	11.9	12.2	8.6	10.1	8.7	5.7	7.4	7.4	5.9	6.6
23	11.9	11.6	11.8	12.8	9.0	10.5	7.9	2.2	5.3	6.4	4.7	5.7
24	11.6	10.5	11.2	12.6	8.4	10.0	6.5	2.3	4.3	6.2	4.7	5.4
25	10.7	10.4	10.5	11.3	7.3	8.9	7.0	3.0	5.2	6.8	4.7	5.7
26	11.2	10.7	11.0	9.6	6.3	7.6	7.8	3.4	6.5	6.6	5.1	5.8
27	11.5	11.2	11.4	8.5	5.1	6.9	8.3	6.9	7.5	6.8	5.1	5.9
28	11.6	11.1	11.4	8.4	5.1	7.1	8.4	4.0	6.8	6.7	5.0	5.9
29	11.7	11.0	11.3	8.2	5.8	6.8	7.8	4.6	6.4	6.9	4.6	5.9
30	---	---	---	8.2	5.5	6.9	7.6	3.3	5.8	6.8	4.5	5.8
31	---	---	---	9.3	6.9	8.1	---	---	---	6.8	5.3	6.1
MONTH	13.7	10.4	12.1	12.8	5.1	9.6	12.2	2.2	8.1	10.6	4.4	6.8

02423496 CAHABA RIVER NEAR HOOVER, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.2	4.2	6.0	7.8	7.4	7.7	7.1	5.7	6.4	8.1	6.3	6.9
2	7.8	4.7	6.6	7.6	7.2	7.5	7.0	5.2	6.0	8.0	6.3	6.9
3	8.0	4.0	6.6	7.3	7.1	7.2	7.2	4.4	6.0	7.9	6.2	6.7
4	8.3	5.6	7.2	7.2	6.9	7.1	7.8	5.1	6.6	7.0	5.9	6.6
5	8.8	6.6	8.0	6.9	6.5	6.8	7.5	5.7	6.5	6.7	4.3	5.3
6	8.7	5.8	7.2	10.6	6.5	8.3	8.0	5.0	6.5	7.2	4.1	5.9
7	8.3	4.8	7.2	9.7	8.2	9.1	8.6	6.0	7.1	7.3	6.0	6.7
8	8.6	5.8	7.3	9.6	8.5	9.0	8.8	6.4	7.2	7.7	6.8	7.2
9	7.9	5.4	6.9	---	---	---	8.0	6.7	7.2	7.6	6.6	7.0
10	7.3	5.1	6.5	---	---	---	8.2	6.8	7.3	7.3	5.6	6.6
11	7.3	5.2	6.2	---	---	---	7.8	6.3	7.1	7.7	6.0	6.7
12	6.4	5.0	5.7	7.5	6.1	6.6	8.1	6.3	7.2	7.3	5.6	6.4
13	6.0	4.7	5.2	6.7	5.9	6.3	8.4	7.1	7.7	7.3	5.0	6.1
14	8.1	4.8	6.7	6.8	5.9	6.3	8.6	7.3	7.8	7.3	5.2	6.6
15	7.8	7.0	7.3	6.6	5.6	6.0	8.5	3.8	7.0	6.8	4.4	5.9
16	7.5	6.8	7.1	6.7	5.4	5.9	8.2	6.0	7.5	7.3	5.6	6.7
17	7.7	6.9	7.2	6.6	5.2	5.9	8.5	6.9	7.5	6.7	6.1	6.4
18	7.5	6.9	7.1	7.1	5.5	6.2	8.4	6.6	7.3	7.9	6.7	7.3
19	7.2	6.5	6.9	7.3	5.7	6.4	7.9	6.5	7.1	8.2	7.9	8.1
20	7.3	5.9	6.6	7.8	5.8	6.7	8.1	4.4	6.8	8.5	8.1	8.3
21	7.0	6.1	6.5	7.8	5.9	6.9	8.0	7.2	7.7	8.3	8.0	8.2
22	6.9	5.6	6.2	8.9	6.2	7.2	8.1	6.2	7.5	8.3	8.1	8.2
23	6.4	5.2	5.8	8.5	5.7	6.8	7.9	5.1	7.3	8.2	7.9	8.1
24	7.3	6.0	6.7	8.0	6.0	6.7	7.3	5.7	6.5	8.0	7.5	7.9
25	7.9	7.3	7.7	7.9	5.1	6.4	---	---	---	7.8	7.4	7.6
26	7.9	7.6	7.8	7.6	6.2	6.8	---	---	---	7.5	7.2	7.3
27	7.8	7.6	7.8	9.0	6.9	7.9	7.5	6.1	6.8	7.3	6.9	7.1
28	7.9	7.7	7.8	7.8	7.3	7.5	7.4	5.9	6.4	7.3	7.0	7.1
29	8.0	7.3	7.7	7.8	6.9	7.3	7.0	5.8	6.3	7.3	6.9	7.1
30	7.8	7.4	7.6	7.4	6.6	7.0	7.8	5.8	6.4	7.6	6.9	7.3
31	---	---	---	6.9	6.1	6.5	7.8	6.0	6.7	---	---	---
MONTH	8.8	4.0	6.9	10.6	5.1	7.0	8.8	3.8	6.9	8.5	4.1	7.0
YEAR	15.7	2.2	8.8									

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 mi^2.

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 NGVD of 1929. Prior to Feb. 25, 1939, wire-weight gage at same site and datum.

REMARKS.--Estimated daily discharges: Feb. 6,7,18, and 19. Records good except for estimated daily discharges, which are fair. Flow is diverted above station by Birmingham Water Works Board, and is not included in record except about 15 ft^3/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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 17	1600	*13,400	*32.62	No other peak greater than base discharge.			

Minimum discharge, 15 ft^3/s, Nov. 1, gage height, 1.86 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	17	58	173	212	404	116	176	90	847	59	23
2	25	18	44	114	174	516	96	2,210	67	628	49	25
3	24	23	44	93	169	797	79	1,630	65	431	43	31
4	31	23	69	79	142	612	70	823	120	356	41	159
5	27	26	52	554	119	483	63	483	125	168	37	38
6	27	26	49	791	e6,290	2,100	51	221	73	129	30	28
7	24	25	53	460	e6,440	2,190	45	133	88	254	28	135
8	25	26	42	229	2,080	1,310	141	99	58	574	30	216
9	27	24	41	293	1,200	977	126	76	39	739	29	76
10	33	27	87	235	977	787	83	66	30	166	69	44
11	34	24	66	166	828	604	863	55	26	122	53	45
12	32	24	70	147	1,670	439	1,020	83	25	216	713	36
13	29	23	51	128	1,620	326	1,150	196	26	128	249	32
14	30	21	44	122	1,220	221	994	78	237	133	83	32
15	27	22	46	116	1,580	192	681	67	246	70	43	35
16	24	23	49	110	1,700	177	431	53	163	50	35	4,130
17	32	23	65	116	1,210	390	243	44	208	65	34	12,400
18	31	330	59	124	e920	238	188	54	158	56	32	5,940
19	24	548	56	116	e696	181	126	194	108	47	32	1,610
20	24	137	48	106	630	155	105	148	65	42	215	982
21	26	61	44	95	520	187	88	87	44	34	435	402
22	26	45	45	78	391	160	78	107	35	36	75	209
23	23	40	61	73	269	114	71	51	37	30	48	160
24	22	58	80	71	253	100	60	39	370	48	32	124
25	23	43	68	1,500	236	91	54	34	1,270	95	28	102
26	24	35	58	3,360	914	82	97	30	803	720	27	83
27	25	937	51	1,550	842	79	85	33	725	1,830	27	69
28	21	841	52	952	658	82	68	43	648	689	25	56
29	18	232	120	703	501	80	51	43	749	186	24	50
30	19	99	862	513	---	77	54	43	1,200	105	28	54
31	18	---	537	327	---	97	---	102	---	88	26	---
TOTAL	801	3,801	3,071	13,494	34,461	14,248	7,377	7,501	7,898	9,082	2,679	27,326
MEAN	25.8	127	99.1	435	1,188	460	246	242	263	293	86.4	911
MAX	34	937	862	3,360	6,440	2,190	1,150	2,210	1,270	1,830	713	12,400
MIN	18	17	41	71	119	77	45	30	25	30	24	23
CFSM	0.11	0.55	0.43	1.89	5.17	2.00	1.07	1.05	1.14	1.27	0.38	3.96
IN.	0.13	0.61	0.50	2.18	5.57	2.30	1.19	1.21	1.28	1.47	0.43	4.42

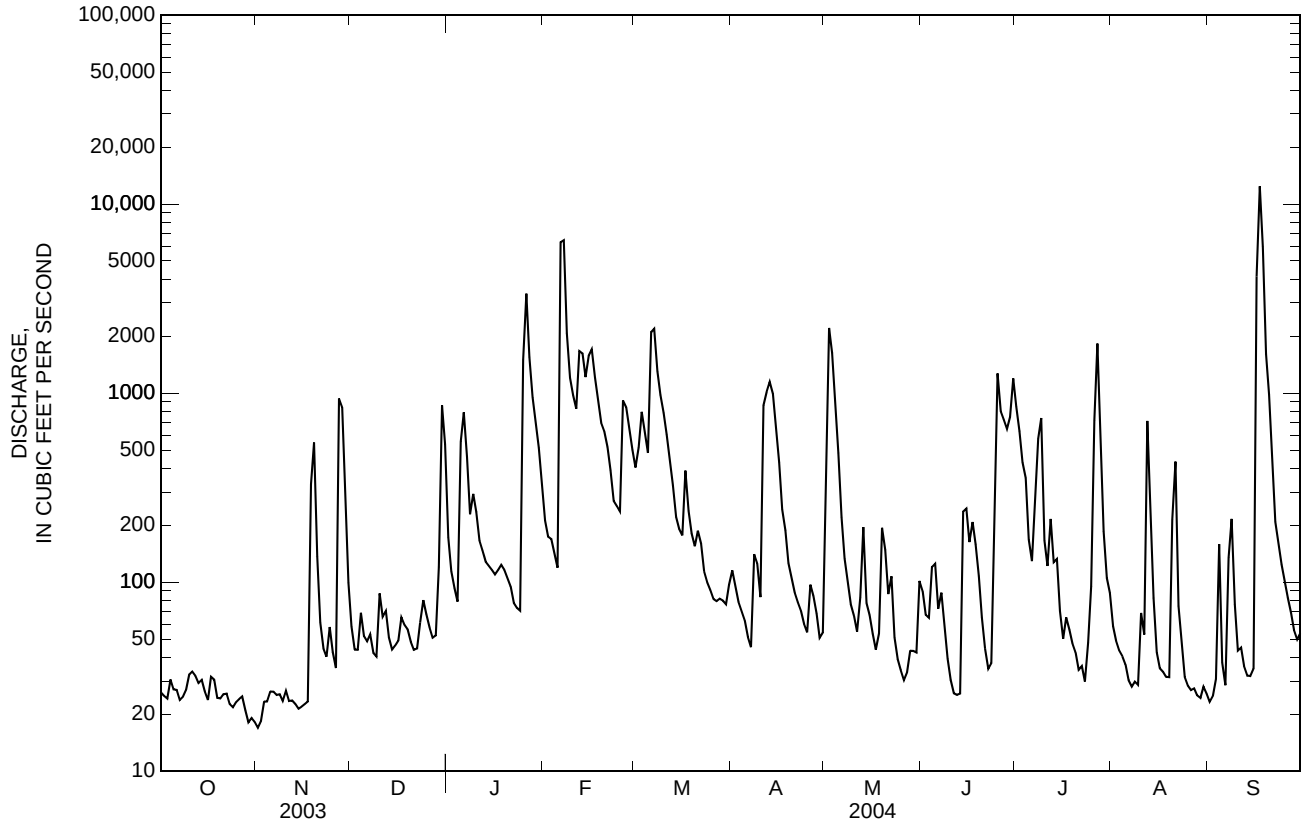
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	79.4	212	375	627	765	783	518	257	166	178	109	133
MAX	760	1,880	1,922	1,717	1,974	1,652	1,479	2,717	1,197	1,236	812	911
(WY)	(1996)	(1949)	(1984)	(1949)	(1990)	(1951)	(2000)	(2003)	(1997)	(1940)	(1941)	(2004)
MIN	0.13	3.45	16.9	26.5	116	65.8	10.7	20.0	4.83	6.74	1.21	0.01
(WY)	(1955)	(1954)	(1939)	(1986)	(2000)	(1986)	(1986)	(1942)	(1956)	(1954)	(1956)	(1954)

02423500 CAHABA RIVER NEAR ACTON, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	236,100		131,739			
ANNUAL MEAN	647		360		348	
HIGHEST ANNUAL MEAN					839	2003
LOWEST ANNUAL MEAN					60.2	1986
HIGHEST DAILY MEAN	13,600	May 8	12,400	Sep 17	18,900	Dec 28, 1942
LOWEST DAILY MEAN	17	Nov 1	17	Nov 1	0.00	Oct 16, 1953
ANNUAL SEVEN-DAY MINIMUM	19	Oct 28	19	Oct 28	0.00	Sep 1, 1954
MAXIMUM PEAK FLOW			13,400	Sep 17	25,500	Dec 28, 1942
MAXIMUM PEAK STAGE			32.62	Sep 17	44.25	Dec 29, 1942
ANNUAL RUNOFF (CFSM)	2.81		1.56		1.51	
ANNUAL RUNOFF (INCHES)	38.19		21.31		20.56	
10 PERCENT EXCEEDS	1,400		862		841	
50 PERCENT EXCEEDS	206		82		89	
90 PERCENT EXCEEDS	26		26		7.9	

e Estimated



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 NW $^1/_4$ 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 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.-- December 1998 to present.

GAGE.--Water-stage recorder. Datum of gage is 440 ft above NGVD of 1929 (from topographic map).

REMARKS.--Estimated daily discharges: July 3-6. Records good except for estimated daily discharges, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	1230	1,210	9.11	Sep 16	1845	*1,480	*10.20

Minimum discharge, 3.1 ft^3/s, June 21, gage height, 2.31 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	9.8	16	25	30	35	28	59	11	9.8	12	8.2
2	17	10	14	19	28	41	26	260	10	8.0	13	8.0
3	17	9.9	14	16	26	44	25	104	14	e7.7	11	9.1
4	12	12	16	17	23	36	24	68	10	e7.0	11	12
5	12	16	14	26	22	34	23	51	8.7	e6.0	11	8.5
6	11	19	13	23	869	148	23	38	8.3	e5.0	11	8.9
7	11	24	12	17	235	103	24	30	8.0	6.4	11	31
8	11	28	12	15	124	78	42	27	8.0	28	11	16
9	9.5	30	13	24	89	62	31	23	7.5	40	10	11
10	10	32	28	20	74	46	28	21	7.3	32	16	9.6
11	8.8	33	18	17	74	54	87	19	7.1	19	12	9.1
12	7.9	35	16	15	143	45	77	31	6.5	41	65	9.1
13	6.6	41	16	15	97	37	105	22	6.3	26	13	10
14	6.4	45	19	13	84	33	73	18	6.8	19	11	9.8
15	5.9	56	16	13	123	31	56	16	22	15	10	10
16	17	63	19	12	95	31	44	15	13	15	10	708
17	25	63	23	12	77	27	36	17	16	29	9.6	593
18	8.6	99	19	15	64	25	31	15	6.7	23	9.3	103
19	8.4	27	17	12	55	23	28	16	7.0	20	9.2	61
20	7.7	13	15	10	48	22	25	19	5.4	18	21	44
21	24	11	14	9.5	42	32	23	15	5.0	16	14	35
22	27	10	13	8.8	37	33	21	13	9.4	15	9.4	30
23	7.9	10	21	8.0	33	29	19	12	11	15	9.3	27
24	8.0	13	23	8.9	32	28	19	11	11	15	8.9	25
25	7.3	10	17	187	37	26	18	11	9.1	18	10	22
26	7.2	10	16	160	71	26	34	11	6.9	28	9.2	21
27	7.4	91	14	86	44	26	25	9.6	12	31	9.0	20
28	7.6	37	15	59	39	25	19	9.4	9.2	15	8.5	19
29	8.0	24	31	46	36	26	16	9.2	9.8	13	9.4	19
30	7.6	19	66	39	---	32	30	8.9	20	13	9.9	17
31	8.4	---	35	34	---	30	---	23	---	13	8.7	---
TOTAL	346.2	900.7	595	982.2	2,751	1,268	1,060	1,002.1	293.0	566.9	393.4	1,914.3
MEAN	11.2	30.0	19.2	31.7	94.9	40.9	35.3	32.3	9.77	18.3	12.7	63.8
MAX	27	99	66	187	869	148	105	260	22	41	65	708
MIN	5.9	9.8	12	8.0	22	22	16	8.9	5.0	5.0	8.5	8.0
CFSM	0.44	1.17	0.75	1.24	3.71	1.60	1.38	1.26	0.38	0.71	0.50	2.49
IN.	0.50	1.31	0.86	1.43	4.00	1.84	1.54	1.46	0.43	0.82	0.57	2.78

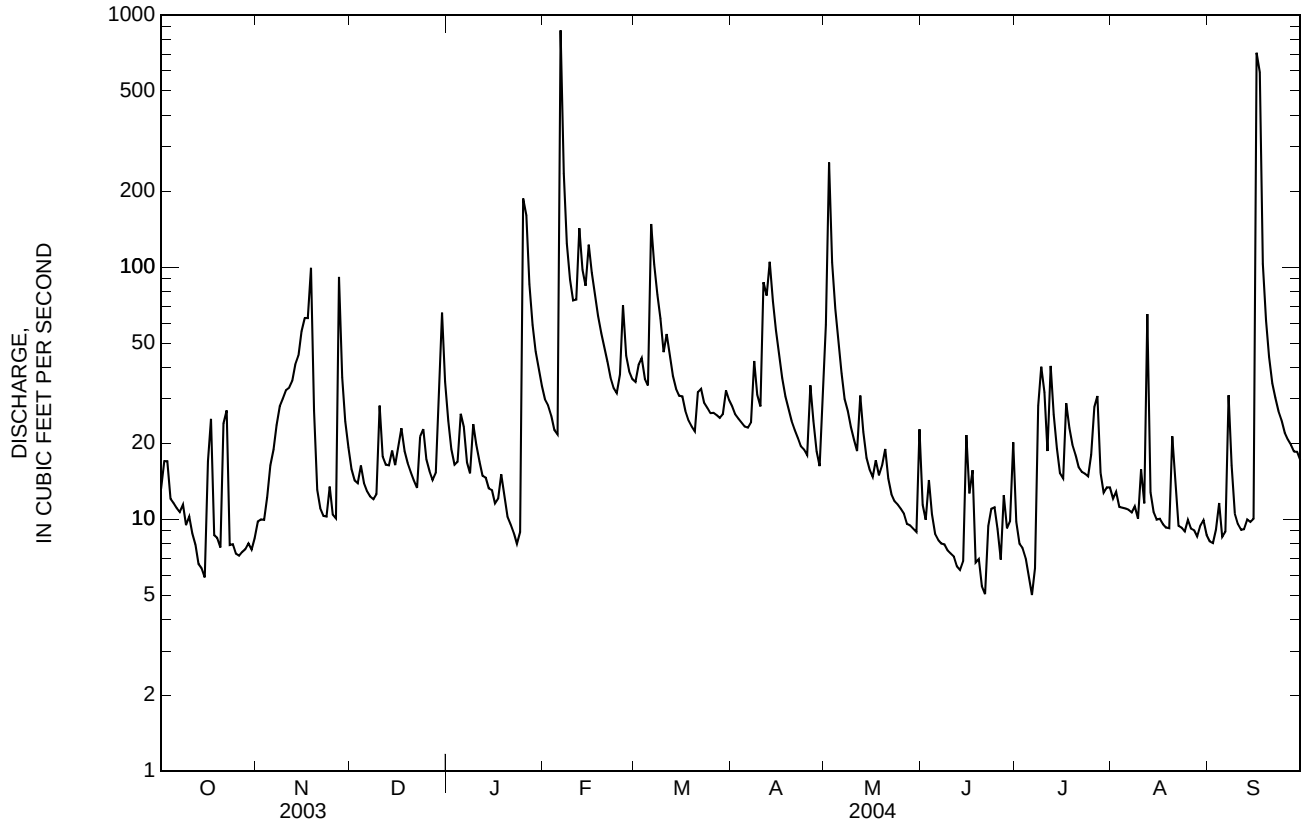
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	15.0	24.6	33.0	47.6	61.8	76.1	60.9	54.7	35.6	25.5	17.2	36.9
MAX	43.3	64.9	84.7	105	105	116	139	199	81.1	67.0	33.2	83.3
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2001)	(2000)	(2003)	(2003)	(2003)	(2001)	(2001)
MIN	5.84	10.6	8.02	21.2	18.4	40.9	34.9	13.1	9.45	8.32	6.64	4.39
(WY)	(2001)	(2000)	(2001)	(2001)	(2000)	(2004)	(1999)	(2000)	(2000)	(2000)	(2000)	(2000)

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	22,686.9		12,072.8			
ANNUAL MEAN	62.2		33.0		40.6	
HIGHEST ANNUAL MEAN					73.3	2003
LOWEST ANNUAL MEAN					27.7	2000
HIGHEST DAILY MEAN	1,120	May 18	869	Feb 6	1,410	Apr 3, 2000
LOWEST DAILY MEAN	5.9	Oct 15	5.0	Jun 21	2.7	Sep 17, 2000
ANNUAL SEVEN-DAY MINIMUM	7.6	Oct 24	7.1	Jun 8	3.1	Sep 15, 2000
MAXIMUM PEAK FLOW			1,480	Sep 16	1,650	Apr 4, 2000
MAXIMUM PEAK STAGE			10.20	Sep 16	10.89	Apr 4, 2000
ANNUAL RUNOFF (CFSM)	2.43		1.29		1.59	
ANNUAL RUNOFF (INCHES)	32.97		17.54		21.55	
10 PERCENT EXCEEDS	114		62		83	
50 PERCENT EXCEEDS	33		18		19	
90 PERCENT EXCEEDS	13		8.4		7.0	

e Estimated



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 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Ammonia water, fltrd, mg/L as N (00608)
OCT 2003													
21...	1000	16.2	19.6	753	2.57	14	369	8.4	87	7.8	183	150	<.04
NOV													
19...	1140	16.6	16.8	749	2.77	34	219	8.0	84	7.4	106	87	<.04
DEC													
18...	1105	8.7	8.5	752	2.85	35	289	11.0	96	7.8	152	124	<.04
JAN 2004													
28...	1145	8.3	3.5	760	3.07	60	170	11.8	101	7.6	101	83	<.04
FEB													
09...	1105	9.5	10.0	762	3.34	71	171	11.4	100	7.5	89	73	<.04
MAR													
22...	1120	14.1	10.0	762	2.75	34	240	11.3	110	7.9	138	113	<.04
APR													
20...	1110	17.9	23.5	756	2.76	37	248	9.1	97	7.5	130	107	<.04
MAY													
26...	1145	27.7	28.0	753	2.51	41	362	7.9	102	7.5	168	138	<.04
JUN													
30...	1100	22.5	--	757	2.60	14	253	7.6	88	7.3	129	106	<.04
JUL													
26...	1040	24.2	26.5	755	2.60	16	350	7.5	90	7.2	158	130	<.04
AUG													
26...	1025	23.3	28.5	757	2.39	8.3	370	7.3	86	7.6	171	140	<.04
SEP													
29...	1145	20.6	25.5	753	2.55	23	347	8.2	92	8.0	184	151	<.04

Date	Nitrite water, fltrd, mg/L as N (00613)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L (71851)	Nitrite water, fltrd, mg/L (71856)	Orthophosphate, water, fltrd, mg/L (00660)	Phosphorus, water, unfltrd mg/L (00665)	Orthophosphate, water, fltrd, mg/L as P (00671)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
OCT 2003										
21...	.008	3.57	3.58	15.8	.026	.107	.055	.035	9.68	13.7
NOV										
19...	.010	1.13	1.14	5.01	.033	.258	.149	.084	5.15	9.7
DEC										
18...	<.008	--	1.60	--	--	.089	.051	.029	6.34	9.8
JAN 2004										
28...	E.005	--	.64	--	--	.021	.030	.007	3.91	7.4
FEB										
09...	<.008	--	.58	--	--	.018	.026	.006	3.42	7.1
MAR										
22...	<.008	--	.63	--	--	.028	.023	.009	4.38	7.2
APR										
20...	E.007	--	1.15	--	--	.074	.044	.024	4.76	5.5
MAY										
26...	.016	2.74	2.75	12.1	.053	.239	.108	.078	8.16	11.9
JUN										
30...	.009	1.40	1.41	6.20	.030	.193	.143	.063	5.12	7.5
JUL										
26...	E.007	--	3.65	--	--	.371	.151	.121	8.99	14.5
AUG										
26...	.008	3.47	3.48	15.3	.026	.454	.188	.148	9.63	14.2
SEP										
29...	E.005	--	2.43	--	--	.261	.108	.085	6.82	9.5

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 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)
NOV													
19...	<.025	<.004	4.55	.01	<.006	<.018	<.003	<.005	<.003	E.002	<.004	<.009	<.013
JAN													
28...	<.025	<.004	.250	.01	E.011	<.018	<.003	<.005	<.003	E.005	<.004	<.009	<.013
MAR													
22...	<.025	<.004	.126	.01	E.014	<.018	<.003	<.005	<.005	<.005	<.004	<.009	E.006
APR													
20...	<.025	<.004	.076	.01	E.012	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013
MAY													
26...	<.025	<.004	.045	.01	E.013	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013
JUN													
30...	<.025	<.004	.030	<.01	E.010	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013
JUL													
26...	<.025	<.004	.036	.02	E.012	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013
SEP													
29...	<.025	<.004	.040	<.01	E.009	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013

Date	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)
NOV													
19...	<.027	<.010	.012	.091	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
JAN													
28...	<.027	<.010	<.005	.185	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
MAR													
22...	<.027	<.010	.013	.088	<.005	<.006	<.006	<.006	E.005	<.009	<.011	<.034	<.035
APR													
20...	<.027	<.010	<.005	.066	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
MAY													
26...	<.027	<.010	<.005	.035	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
JUN													
30...	<.027	<.010	<.005	.022	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
JUL													
26...	<.027	<.010	<.005	.027	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
SEP													
29...	<.027	<.010	<.005	.021	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035

Date	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Propanil, water, fltrd 0.7u GF ug/L (82679)
NOV													
19...	<.015	<.004	<.004	.17	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
JAN													
28...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
MAR													
22...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
APR													
20...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
MAY													
26...	<.015	<.004	<.004	M	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
JUN													
30...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
JUL													
26...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
SEP													
29...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011

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 2003 TO SEPTEMBER 2004

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
NOV								
19...	E.019	<.010	<.003	<.022	<.007	<.02	<.050	<.006
JAN								
28...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
MAR								
22...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
APR								
20...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
MAY								
26...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
JUN								
30...	E.013	<.010	<.003	<.022	<.007	<.02	<.050	<.006
JUL								
26...	<.041	<.010	<.003	<.022	<.007	<.20	<.050	<.006
SEP								
29...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Suspnd. sediment, sieve diametr percent <.063mm (70331)
OCT					
21...	1000	14	6	.23	90
NOV					
19...	1140	34	18	1.7	97
DEC					
18...	1105	35	3	.28	88
JAN					
28...	1145	60	8	1.3	98
FEB					
09...	1105	71	10	1.9	95
MAR					
22...	1120	34	4	.37	96
APR					
20...	1110	37	6	.60	97
MAY					
26...	1145	41	11	1.2	98
JUN					
30...	1100	14	55	2.1	99
JUL					
26...	1040	16	11	.48	99
AUG					
26...	1025	8.3	9	.20	98
SEP					
29...	1145	23	4	.25	97

02423555 CAHABA RIVER NEAR HELENA, AL

LOCATION.--Lat 33° 17'04", long 86° 52'58", in NW $^1/_4$ 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 mi^2.

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: Dec. 15 and 16. Records good except for periods of estimated record, which are poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

EXTREMES OUTSIDE PERIOD OF DAILY DISCHARGE RECORD.--The flood of March 16, 1976 reached a gage height of 34.85 ft, discharge, 22,800 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 7	0630	10,500	22.47	Sep 17	2215	*13,900	*26.90

Minimum discharge, 43 ft^3/s, on several days, gage height, 1.35 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	46	144	355	365	488	199	708	180	662	96	54
2	67	46	105	267	321	533	180	3,110	144	466	81	49
3	65	50	95	210	314	857	151	2,340	104	338	71	53
4	63	71	124	188	273	623	137	1,040	183	338	70	140
5	68	76	127	495	232	533	123	568	201	232	64	77
6	61	63	99	752	6,280	2,450	109	399	127	176	52	55
7	61	60	96	488	9,020	2,830	103	299	131	160	50	109
8	64	60	93	349	2,930	1,730	266	236	111	369	50	281
9	68	61	85	415	1,680	1,160	257	177	81	1,010	51	128
10	73	57	210	370	1,240	823	171	152	64	243	69	83
11	92	62	160	311	973	605	1,310	130	65	182	96	73
12	72	56	152	274	2,290	491	1,330	124	54	156	1,010	68
13	61	50	122	250	2,240	426	1,340	366	53	318	297	59
14	61	49	110	233	1,690	377	1,210	178	162	215	157	54
15	55	57	e96	226	2,170	339	723	142	307	125	89	58
16	51	62	e94	208	2,270	330	515	118	262	88	74	4,180
17	60	62	154	214	1,660	388	398	106	273	128	68	13,600
18	72	368	125	250	1,190	351	342	118	247	124	64	8,730
19	56	786	117	212	862	313	274	278	172	83	64	1,570
20	53	251	101	200	693	277	222	302	109	75	93	866
21	54	129	91	175	570	301	191	168	80	64	605	455
22	50	84	97	154	477	280	171	178	69	61	158	306
23	53	80	114	143	414	216	162	114	128	52	106	254
24	51	88	215	138	403	200	139	88	184	64	81	208
25	51	93	141	1,800	386	180	130	82	1,260	187	124	169
26	53	72	123	4,100	1,080	170	221	78	695	543	88	147
27	58	1,280	110	2,210	917	162	208	74	561	1,970	70	128
28	57	1,190	103	1,230	654	158	157	72	545	447	62	108
29	52	389	154	762	534	158	119	69	457	233	59	93
30	49	222	1,200	555	---	172	331	70	1,450	140	61	92
31	50	---	674	440	---	172	---	189	---	153	56	---
TOTAL	1,875	6,020	5,431	17,974	44,128	18,093	11,189	12,073	8,459	9,402	4,136	32,247
MEAN	60.5	201	175	580	1,522	584	373	389	282	303	133	1,075
MAX	92	1,280	1,200	4,100	9,020	2,830	1,340	3,110	1,450	1,970	1,010	13,600
MIN	49	46	85	138	232	158	103	69	53	52	50	49
CFSM	0.18	0.60	0.52	1.73	4.54	1.74	1.11	1.16	0.84	0.91	0.40	3.21
IN.	0.21	0.67	0.60	2.00	4.90	2.01	1.24	1.34	0.94	1.04	0.46	3.58

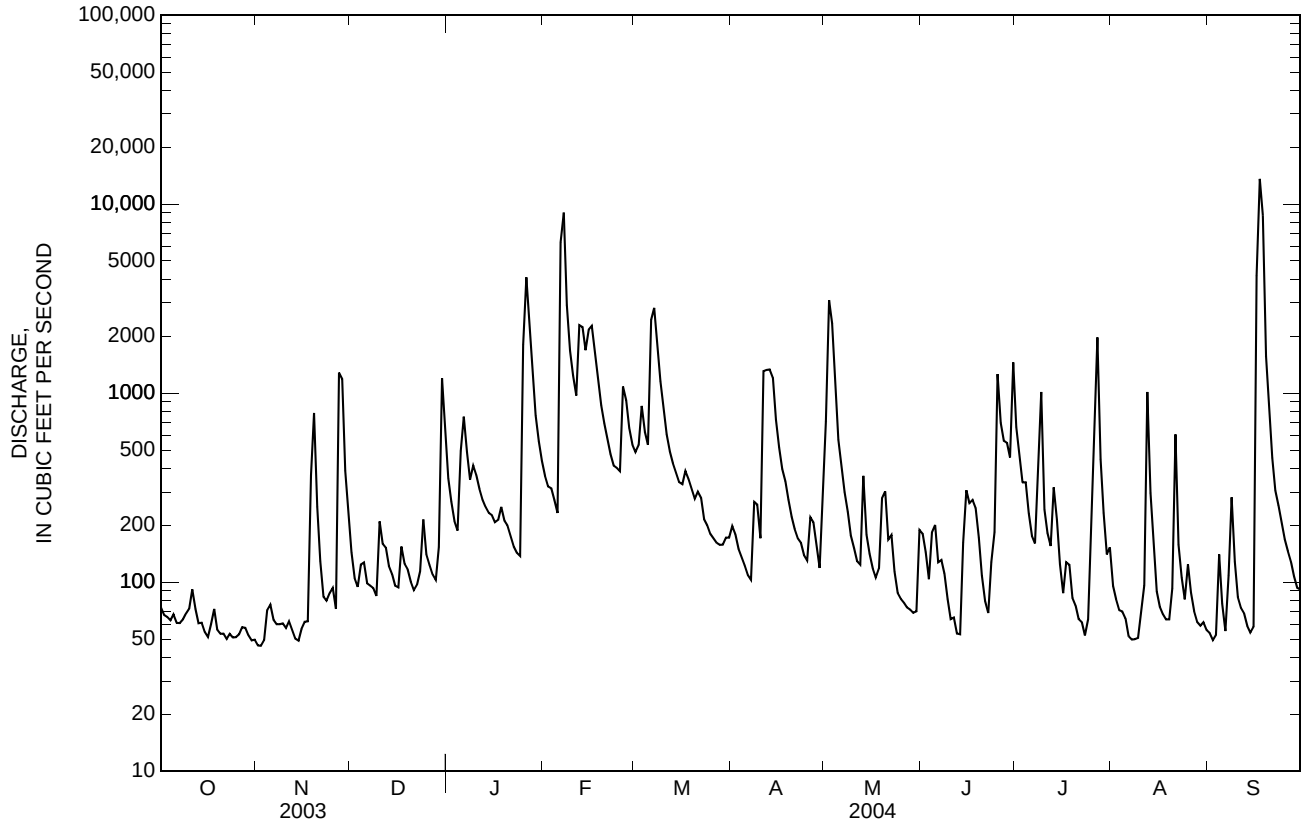
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	249	385	533	1,072	1,019	1,234	817	628	556	348	186	381
MAX	901	1,100	1,319	2,174	1,667	2,174	1,944	3,453	1,499	862	481	1,148
(WY)	(1996)	(1996)	(2003)	(1998)	(1998)	(1996)	(2000)	(2003)	(1997)	(2003)	(2003)	(2001)
MIN	31.8	101	97.9	401	197	584	373	83.2	73.1	58.6	61.2	34.1
(WY)	(2001)	(2000)	(2001)	(2000)	(2000)	(2004)	(2004)	(2000)	(2000)	(2000)	(1999)	(2000)

02423555 CAHABA RIVER NEAR HELENA, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	319,619		171,027			
ANNUAL MEAN	876		467		615	
HIGHEST ANNUAL MEAN					1,082	2003
LOWEST ANNUAL MEAN					364	2000
HIGHEST DAILY MEAN	14,900	May 9	13,600	Sep 17	17,400	Apr 4, 2000
LOWEST DAILY MEAN	46	Nov 1	46	Nov 1	20	Oct 15, 2000
ANNUAL SEVEN-DAY MINIMUM	50	Oct 28	50	Oct 28	22	Oct 13, 2000
MAXIMUM PEAK FLOW			13,900	Sep 17	18,200	Apr 4, 2000
MAXIMUM PEAK STAGE			26.90	Sep 17	30.97	Apr 4, 2000
ANNUAL RUNOFF (CFSM)	2.61		1.39		1.84	
ANNUAL RUNOFF (INCHES)	35.49		18.99		24.96	
10 PERCENT EXCEEDS	1,980		1,100		1,410	
50 PERCENT EXCEEDS	355		159		232	
90 PERCENT EXCEEDS	63		58		54	

e Estimated



02423586 SHADES CREEK NEAR HOMEWOOD, AL

LOCATION.--Lat 33° 26'55", long 86° 48'49", in SE $^1/_4$ sec. 23, T. 18 S., R. 3 W., Jefferson County, Hydrologic Unit 03150202 on footbridge, 0.3 mi upstream of Interstate Highway 65, 0.3 mi downstream from State Highway 149 (Green Spring Highway), 2.5 mi southwest of Homewood, and at mile 42.6.

DRAINAGE AREA.--27.1 mi^2.

PERIOD OF RECORD.--February 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 610 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: July 28-29, Aug. 16-17, Sept. 3-8, and 16. 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.--Peak discharges greater than base discharge of 1,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0400	2,940	13.45	Sep 16	1815	*9,290	*19.88
Jul 26	1715	3,150	13.97				

Minimum discharge, 1.2 ft^3/s, Nov. 8, gage height, 3.43 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	2.4	9.4	17	17	26	13	38	13	87	7.4	3.8
2	4.2	2.6	7.5	15	24	82	10	333	7.2	19	6.6	3.8
3	4.1	2.8	8.5	14	19	45	9.9	34	31	15	6.1	e25
4	4.1	3.5	21	13	15	32	8.5	21	17	12	5.5	e119
5	3.9	4.9	9.9	169	19	29	7.9	16	8.1	10	5.9	e28
6	4.1	4.8	8.0	36	1,300	418	7.7	13	115	10	5.1	e13
7	4.1	2.0	6.9	23	128	83	8.3	11	73	12	4.4	e13
8	6.1	1.4	6.7	20	63	51	75	9.4	13	11	4.2	e92
9	3.6	1.5	7.3	48	45	39	16	8.3	8.9	7.9	4.8	10
10	8.5	1.5	75	23	46	31	15	7.4	11	7.8	59	6.8
11	5.2	1.7	17	19	62	26	219	7.2	7.1	6.6	7.4	5.6
12	3.3	2.4	12	17	232	23	44	110	6.4	9.8	204	5.1
13	3.1	2.5	12	16	68	21	85	46	15	8.1	13	6.9
14	2.8	2.8	17	15	61	19	36	19	12	9.5	8.3	5.2
15	2.6	3.0	11	14	214	18	26	11	77	5.3	7.1	4.7
16	2.4	4.5	24	13	77	26	22	9.2	62	5.3	e4.9	e1,350
17	4.7	4.8	23	15	53	17	18	8.1	27	10	e4.9	555
18	4.2	151	13	19	41	15	15	10	15	6.4	5.0	45
19	2.5	29	11	13	35	13	13	28	9.0	4.6	4.8	22
20	2.3	8.7	9.7	11	32	13	12	11	7.2	4.4	40	14
21	2.3	6.3	9.1	11	27	20	11	8.8	6.4	4.4	15	10
22	2.1	5.3	9.0	11	23	12	10	9.5	43	4.1	9.8	8.3
23	2.0	5.5	46	11	22	11	9.2	7.3	31	3.9	7.2	7.0
24	2.3	12	24	14	21	11	8.6	6.5	124	91	7.3	6.2
25	1.9	6.3	13	436	55	10	8.1	6.3	77	10	10	5.3
26	2.0	6.4	11	90	139	9.6	33	5.9	44	546	5.4	5.2
27	2.2	283	10	42	39	9.3	11	5.6	57	86	6.0	4.6
28	2.5	33	9.5	29	31	8.9	8.3	5.4	28	e42	4.2	4.4
29	2.3	15	139	24	27	24	12	6.5	133	e28	4.1	4.0
30	2.7	11	86	21	---	24	61	5.8	51	19	3.8	3.9
31	2.5	---	23	19	---	22	---	84	---	11	3.5	---
TOTAL	104.9	621.6	689.5	1,238	2,935	1,188.8	833.5	902.2	1,129.3	1,107.1	484.7	2,386.8
MEAN	3.38	20.7	22.2	39.9	101	38.3	27.8	29.1	37.6	35.7	15.6	79.6
MAX	8.5	283	139	436	1,300	418	219	333	133	546	204	1,350
MIN	1.9	1.4	6.7	11	15	8.9	7.7	5.4	6.4	3.9	3.5	3.8
CFSM	0.12	0.76	0.82	1.47	3.73	1.42	1.03	1.07	1.39	1.32	0.58	2.94
IN.	0.14	0.85	0.95	1.70	4.03	1.63	1.14	1.24	1.55	1.52	0.67	3.28

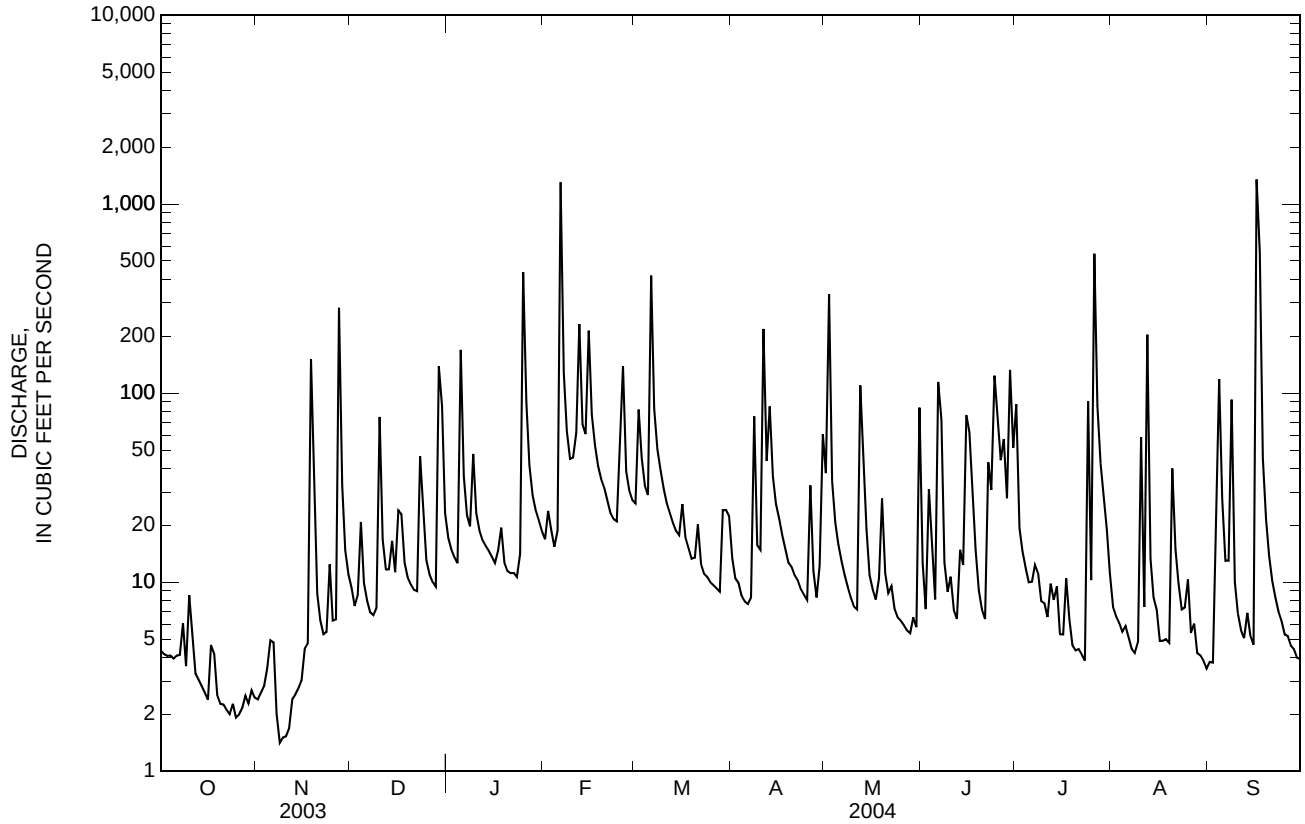
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	28.0	47.0	65.9	62.1	88.7	82.7	54.3	75.9	46.7	47.3	29.7	69.1
MAX	66.1	79.7	108	109	118	131	108	212	85.0	68.7	50.9	92.2
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2001)	(2001)	(2003)	(2003)	(2003)	(2003)	(2002)
MIN	3.38	20.7	22.2	37.1	46.0	38.3	27.8	21.3	23.7	25.1	7.37	20.4
(WY)	(2004)	(2004)	(2004)	(2003)	(2002)	(2004)	(2004)	(2001)	(2002)	(2001)	(2002)	(2003)

02423586 SHADES CREEK NEAR HOMEWOOD, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	22,999.0		13,621.4			
ANNUAL MEAN	63.0		37.2		56.6	
HIGHEST ANNUAL MEAN					80.5	2003
LOWEST ANNUAL MEAN					37.2	2004
HIGHEST DAILY MEAN	1,590	May 18	1,350	Sep 16	1,590	May 18, 2003
LOWEST DAILY MEAN	1.4	Nov 8	1.4	Nov 8	1.4	Nov 8, 2003
ANNUAL SEVEN-DAY MINIMUM	1.9	Nov 7	1.9	Nov 7	1.9	Nov 7, 2003
MAXIMUM PEAK FLOW					4,040	Sep 22, 2002
MAXIMUM PEAK STAGE			19.88	Sep 16	19.88	Sep 16, 2004
ANNUAL RUNOFF (CFSM)	2.33		1.37		2.09	
ANNUAL RUNOFF (INCHES)	31.57		18.70		28.37	
10 PERCENT EXCEEDS	139		75		113	
50 PERCENT EXCEEDS	21		11		19	
90 PERCENT EXCEEDS	4.1		3.9		4.7	

e Estimated



02423630 SHADES CREEK NEAR GREENWOOD, AL

LOCATION.--Lat 33° 19'34", long 86° 56'59", in SW $^1/_4$ 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 mi^2.

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 NGVD of 1929. Prior to October 1, 1997, gage was at datum 480.37 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: July 7,8,20-22. 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.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	1800	4,010	14.17	Sep 17	0730	*6,110	*15.02

Minimum discharge, 4.7 ft^3/s, Nov. 4, gage height, 1.96 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.8	7.2	29	55	52	83	50	125	79	147	22	8.5
2	9.3	7.1	25	45	49	118	39	615	34	61	15	8.6
3	8.9	6.1	21	40	59	256	33	196	26	37	13	17
4	9.5	5.7	25	36	47	118	30	82	78	28	11	151
5	9.3	7.3	45	302	42	98	29	59	39	24	10	29
6	9.6	22	26	245	2,180	887	27	49	25	20	8.7	14
7	9.6	21	21	92	1,210	462	26	40	161	e35	9.3	14
8	18	14	19	65	287	221	95	35	52	e38	7.5	182
9	14	9.7	19	120	190	155	95	31	30	36	6.9	46
10	11	7.7	100	93	156	119	44	28	23	21	8.6	19
11	23	7.5	79	59	149	97	384	26	25	15	58	13
12	16	7.6	35	50	595	84	210	25	21	14	497	11
13	11	7.7	27	47	315	73	186	165	18	30	99	9.2
14	9.4	7.9	28	43	233	66	124	70	27	18	33	11
15	8.7	7.7	32	41	522	61	74	40	70	17	19	11
16	10	8.1	25	36	393	65	58	30	105	13	14	1,530
17	9.2	11	49	33	227	68	49	26	94	13	14	4,670
18	13	43	37	47	164	54	42	27	41	21	10	550
19	13	299	26	44	130	50	37	96	34	13	9.5	134
20	10	44	22	34	111	45	31	50	23	e10	26	78
21	8.5	23	20	30	97	50	30	31	20	e10	205	56
22	7.9	17	19	28	81	49	27	25	23	e8.7	55	46
23	7.6	14	22	28	71	40	25	24	75	7.9	31	39
24	7.1	14	89	28	68	36	22	22	51	7.3	20	33
25	6.7	22	41	449	73	34	20	20	178	109	16	28
26	8.1	20	28	917	412	33	32	19	71	115	23	24
27	8.1	341	25	204	167	32	51	17	76	1,090	13	23
28	7.9	388	22	116	111	31	25	16	106	96	21	21
29	7.6	65	39	86	92	31	20	16	53	41	22	20
30	7.5	39	393	72	---	75	34	17	489	26	10	18
31	7.0	---	98	61	---	54	---	83	---	30	9.0	---
TOTAL	316.3	1,494.3	1,486	3,546	8,283	3,645	1,949	2,105	2,147	2,151.9	1,316.5	7,814.3
MEAN	10.2	49.8	47.9	114	286	118	65.0	67.9	71.6	69.4	42.5	260
MAX	23	388	393	917	2,180	887	384	615	489	1,090	497	4,670
MIN	6.7	5.7	19	28	42	31	20	16	18	7.3	6.9	8.5
CFSM	0.14	0.69	0.66	1.58	3.95	1.63	0.90	0.94	0.99	0.96	0.59	3.60
IN.	0.16	0.77	0.76	1.82	4.26	1.88	1.00	1.08	1.10	1.11	0.68	4.02

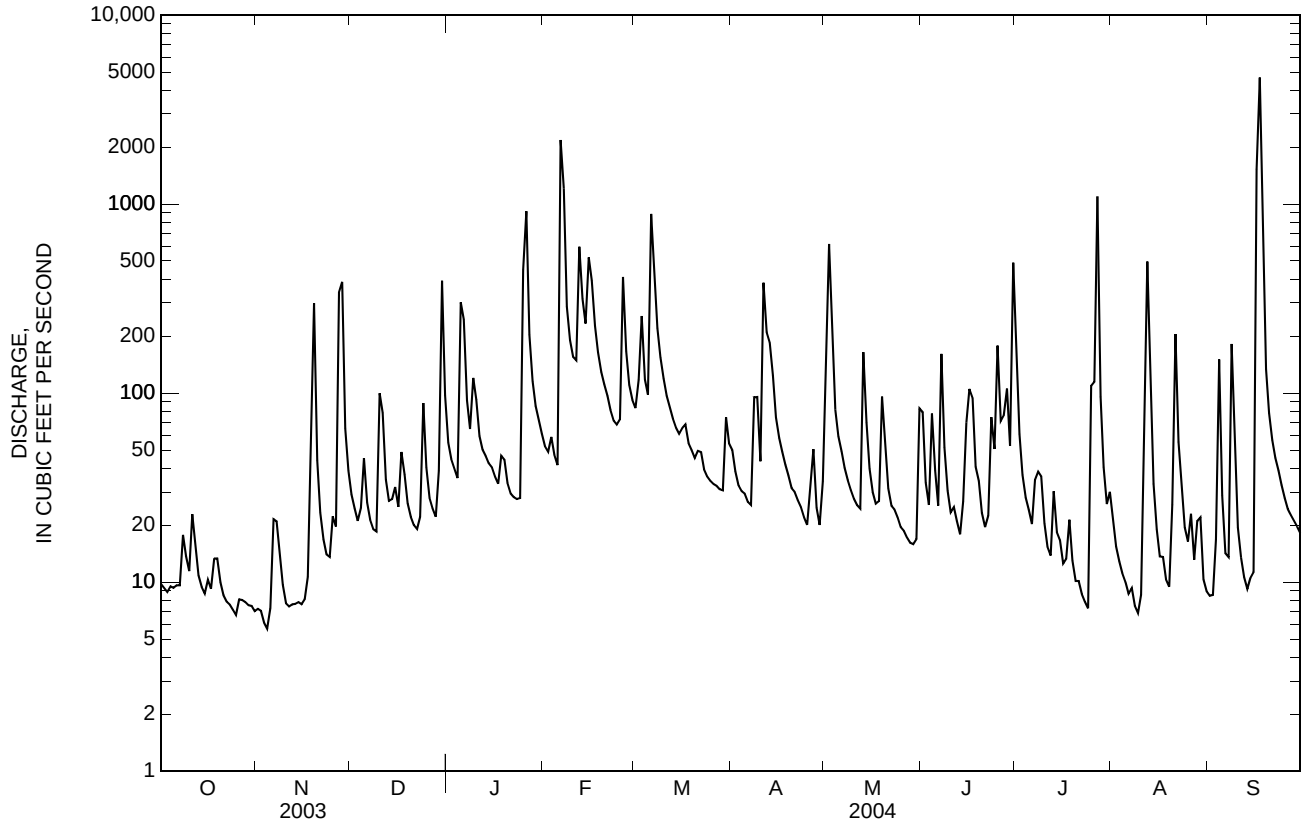
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

MEAN	52.8	76.4	145	244	213	332	217	143	82.2	68.6	57.7	82.8
MAX	282	243	475	447	552	800	763	567	245	177	307	275
(WY)	(1978)	(2003)	(1968)	(1975)	(1971)	(1980)	(1979)	(2003)	(1999)	(2003)	(1967)	(1979)
MIN	5.08	22.6	31.1	31.7	62.2	74.5	36.6	18.2	23.8	27.0	8.25	3.87
(WY)	(2001)	(1979)	(1981)	(1981)	(1968)	(1967)	(1967)	(2000)	(1977)	(2000)	(1999)	(2000)

02423630 SHADES CREEK NEAR GREENWOOD, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	61,377.2		36,254.3			
ANNUAL MEAN	168		99.1		143	
HIGHEST ANNUAL MEAN					219	2003
LOWEST ANNUAL MEAN					82.2	1981
HIGHEST DAILY MEAN	3,310	May 18	4,670	Sep 17	8,510	Apr 13, 1979
LOWEST DAILY MEAN	5.7	Nov 4	5.7	Nov 4	0.37	Nov 2, 2000
ANNUAL SEVEN-DAY MINIMUM	6.8	Oct 30	6.8	Oct 30	0.50	Oct 30, 2000
MAXIMUM PEAK FLOW			6,110	Sep 17	10,900	Apr 13, 1979
MAXIMUM PEAK STAGE			15.02	Sep 17	15.19	Apr 13, 1979
ANNUAL RUNOFF (CFSM)	2.33		1.37		1.97	
ANNUAL RUNOFF (INCHES)	31.58		18.65		26.81	
10 PERCENT EXCEEDS	382		183		295	
50 PERCENT EXCEEDS	49		32		54	
90 PERCENT EXCEEDS	9.6		9.2		17	

e Estimated



02424000 CAHABA RIVER AT CENTREVILLE, AL

LOCATION.--Lat 32° 56'42", long 87° 08'21", in SE $^1/_4$ 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 mi^2.

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 NGVD of 1929. Prior to Jan. 31, 1939, nonrecording gage at same site. Prior to May 1929, at datum 1.15 ft lower.

REMARKS.--No estimated daily discharges. Records good. An average of 82 ft^3/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 telemetry 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 18	0600	*20,700	*23.73

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 218 ft^3/s, Aug. 9, gage height, 0.77 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

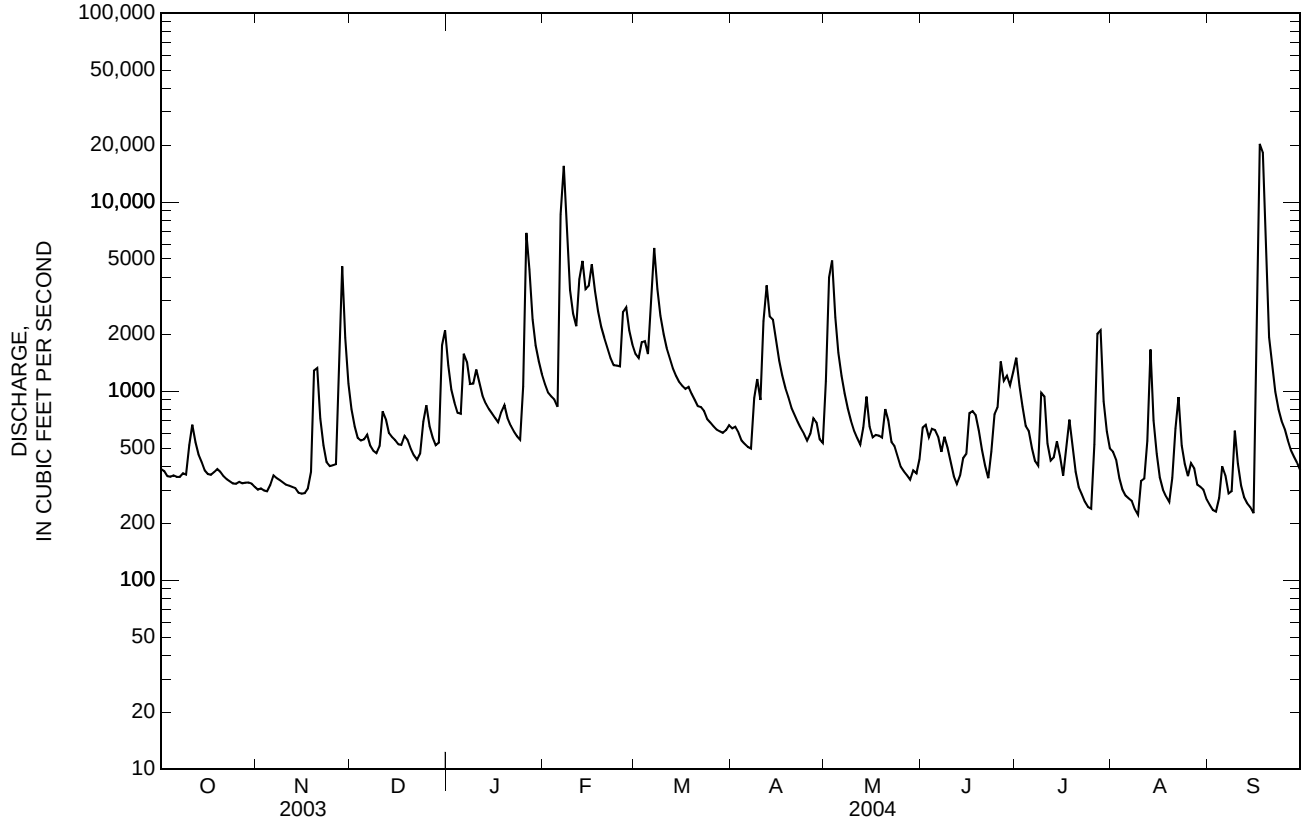
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	388	301	803	1,370	1,090	1,570	635	1,130	641	1,500	478	250
2	378	306	651	1,020	984	1,500	648	4,000	663	1,070	434	235
3	356	298	566	870	938	1,810	604	4,920	569	828	347	231
4	353	295	548	769	904	1,840	549	2,460	632	654	302	273
5	358	319	556	759	826	1,570	526	1,590	622	616	280	400
6	352	358	589	1,580	8,620	3,010	507	1,200	574	499	271	359
7	352	347	516	1,430	15,600	5,730	497	976	478	428	263	287
8	367	339	484	1,090	8,040	3,470	918	811	574	404	237	296
9	362	329	470	1,100	3,420	2,500	1,160	701	500	981	221	618
10	517	320	513	1,300	2,580	2,010	898	619	425	938	335	414
11	665	316	782	1,100	2,210	1,690	2,350	567	355	528	345	317
12	537	312	712	947	3,910	1,490	3,630	523	323	430	546	275
13	463	307	601	862	4,890	1,320	2,480	644	358	446	1,660	255
14	422	290	572	805	3,470	1,200	2,390	936	442	542	699	243
15	381	287	551	763	3,610	1,120	1,860	651	467	455	465	226
16	365	289	524	722	4,680	1,070	1,450	570	766	358	350	3,460
17	361	305	520	685	3,380	1,030	1,210	587	785	487	302	20,300
18	374	374	580	773	2,650	1,060	1,040	582	749	708	278	18,300
19	387	1,280	552	843	2,190	971	929	569	618	512	259	5,370
20	374	1,330	497	723	1,920	898	814	804	492	376	348	1,930
21	356	717	458	658	1,700	833	748	702	404	312	635	1,400
22	343	517	433	613	1,500	824	685	538	347	285	931	990
23	334	422	467	579	1,370	786	636	513	478	260	516	804
24	325	402	689	555	1,370	711	594	449	754	244	413	698
25	324	405	843	1,060	1,350	683	548	399	822	239	355	632
26	332	411	654	6,870	2,620	652	594	376	1,430	522	417	551
27	326	1,430	570	4,420	2,780	627	718	359	1,130	2,010	392	486
28	328	4,580	518	2,400	2,100	614	682	340	1,210	2,100	320	450
29	329	1,920	533	1,750	1,760	601	558	381	1,080	883	312	417
30	324	1,100	1,750	1,440	---	622	533	368	1,270	612	301	382
31	312	---	2,100	1,230	---	661	---	437	---	498	268	---
TOTAL	11,745	20,206	20,602	41,086	92,462	44,473	31,391	29,702	19,958	20,725	13,280	60,849
MEAN	379	674	665	1,325	3,188	1,435	1,046	958	665	669	428	2,028
MAX	665	4,580	2,100	6,870	15,600	5,730	3,630	4,920	1,430	2,100	1,660	20,300
MIN	312	287	433	555	826	601	497	340	323	239	221	226
CFSM	0.37	0.66	0.65	1.29	3.10	1.40	1.02	0.93	0.65	0.65	0.42	1.97
IN.	0.43	0.73	0.75	1.49	3.35	1.61	1.14	1.08	0.72	0.75	0.48	2.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1901 - 2004, BY WATER YEAR (WY)

MEAN	492	891	1,580	2,642	3,288	3,528	2,667	1,437	842	774	601	560
MAX	3,407	11,050	7,026	7,809	12,210	10,290	9,861	5,973	3,122	4,852	5,430	3,867
(WY)	(1907)	(1930)	(1962)	(1937)	(1961)	(1976)	(1979)	(2003)	(1997)	(1940)	(1939)	(1906)
MIN	114	142	276	343	709	694	251	246	182	236	173	128
(WY)	(1905)	(1932)	(1939)	(1956)	(2000)	(1986)	(1986)	(1904)	(1988)	(1954)	(1954)	(1954)

02424000 CAHABA RIVER AT CENTREVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1901 - 2004	
ANNUAL TOTAL	794,824		406,479			
ANNUAL MEAN	2,178		1,111		1,597	
HIGHEST ANNUAL MEAN					2,827	1949
LOWEST ANNUAL MEAN					433	1986
HIGHEST DAILY MEAN	22,200	May 19	20,300	Sep 17	71,700	Feb 22, 1961
LOWEST DAILY MEAN	287	Nov 15	221	Aug 9	90	Oct 24, 1904
ANNUAL SEVEN-DAY MINIMUM	301	Nov 11	267	Aug 29	94	Oct 23, 1904
MAXIMUM PEAK FLOW			20,700	Sep 18	83,600	Mar 29, 1951
MAXIMUM PEAK STAGE			23.73	Sep 18	36.63	Apr 8, 1938
ANNUAL RUNOFF (CFSM)	2.12		1.08		1.55	
ANNUAL RUNOFF (INCHES)	28.79		14.72		21.12	
10 PERCENT EXCEEDS	4,250		2,100		3,260	
50 PERCENT EXCEEDS	1,210		602		710	
90 PERCENT EXCEEDS	358		312		239	



02424000 CAHABA RIVER AT CENTREVILLE, AL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.51	1.24	2.63	3.85	3.28	4.26	2.21	3.30	2.21	4.07	1.61	0.89
2	1.49	1.25	2.25	3.13	3.05	4.11	2.25	7.35	2.28	3.23	1.48	0.83
3	1.42	1.23	2.03	2.79	2.95	4.69	2.13	9.50	2.04	2.69	1.22	0.82
4	1.41	1.22	1.98	2.55	2.87	4.74	1.98	5.83	2.20	2.26	1.07	0.97
5	1.42	1.30	2.00	2.53	2.69	4.26	1.92	4.29	2.18	2.16	0.99	1.37
6	1.40	1.42	2.09	4.21	10.47	6.17	1.87	3.52	2.05	1.84	0.96	1.25
7	1.40	1.39	1.89	3.97	19.83	10.12	1.84	3.03	1.78	1.64	0.93	1.02
8	1.45	1.36	1.80	3.29	14.47	7.39	2.89	2.65	2.05	1.56	0.84	1.05
9	1.43	1.33	1.76	3.29	7.33	5.83	3.43	2.38	1.85	2.98	0.78	1.99
10	1.88	1.30	1.88	3.73	5.95	5.04	2.85	2.17	1.63	2.92	1.17	1.42
11	2.29	1.29	2.57	3.30	5.37	4.48	5.12	2.03	1.41	1.92	1.21	1.12
12	1.95	1.27	2.41	2.97	7.46	4.09	7.61	1.91	1.31	1.64	1.73	0.98
13	1.74	1.26	2.12	2.77	9.28	3.77	5.81	2.23	1.42	1.69	4.20	0.91
14	1.62	1.20	2.05	2.64	7.25	3.52	5.67	2.94	1.68	1.96	2.20	0.86
15	1.50	1.19	1.99	2.54	7.35	3.35	4.78	2.25	1.74	1.72	1.57	0.80
16	1.44	1.20	1.91	2.43	8.85	3.23	4.02	2.04	2.54	1.42	1.23	5.28
17	1.43	1.25	1.90	2.34	7.23	3.15	3.54	2.08	2.59	1.79	1.07	22.38
18	1.47	1.46	2.07	2.56	6.07	3.21	3.17	2.07	2.50	2.40	0.98	22.76
19	1.51	3.58	1.99	2.73	5.34	3.02	2.93	2.04	2.17	1.88	0.92	11.33
20	1.47	3.74	1.84	2.44	4.89	2.86	2.66	2.63	1.83	1.48	1.19	4.88
21	1.41	2.42	1.73	2.27	4.49	2.70	2.50	2.38	1.57	1.27	2.02	3.91
22	1.37	1.89	1.65	2.15	4.11	2.68	2.34	1.95	1.39	1.18	2.74	3.06
23	1.34	1.62	1.75	2.06	3.87	2.59	2.21	1.88	1.78	1.09	1.72	2.63
24	1.32	1.56	2.35	2.00	3.85	2.41	2.10	1.70	2.51	1.04	1.42	2.37
25	1.31	1.57	2.73	3.08	3.83	2.34	1.98	1.55	2.65	1.02	1.24	2.21
26	1.34	1.59	2.26	10.91	5.86	2.26	2.11	1.48	3.99	1.88	1.43	1.99
27	1.32	3.68	2.04	8.83	6.34	2.19	2.42	1.43	3.38	4.64	1.35	1.81
28	1.33	8.70	1.90	5.75	5.19	2.16	2.33	1.36	3.53	5.08	1.13	1.70
29	1.33	4.92	1.94	4.58	4.61	2.12	2.01	1.49	3.25	2.64	1.10	1.60
30	1.31	3.29	4.42	3.99	---	2.18	1.94	1.45	3.56	1.98	1.07	1.50
31	1.27	---	5.24	3.58	---	2.28	---	1.66	---	1.67	0.95	---
MEAN	1.48	2.06	2.23	3.52	6.35	3.78	3.02	2.73	2.24	2.15	1.40	3.52
MAX	2.29	8.70	5.24	10.91	19.83	10.12	7.61	9.50	3.99	5.08	4.20	22.76
MIN	1.27	1.19	1.65	2.00	2.69	2.12	1.84	1.36	1.31	1.02	0.78	0.80

CAL YR	2003	MEAN	4.51	MAX	24.74	MIN 1.19
WTR YR	2004	MEAN	2.86	MAX	22.76	MIN 0.78

02424590 CAHABA RIVER NEAR SUTTLE, AL

LOCATION.--Lat 32° 31'45", long 87° 11'56", in NW $^1/_4$ 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 mi^2.

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 NGVD of 1929 (levels by U.S. Army Corps of Engineers).

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 16,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 20	0600	*16,900	*26.79

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 344 ft^3/s, Sept. 15, gage height, 3.15 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

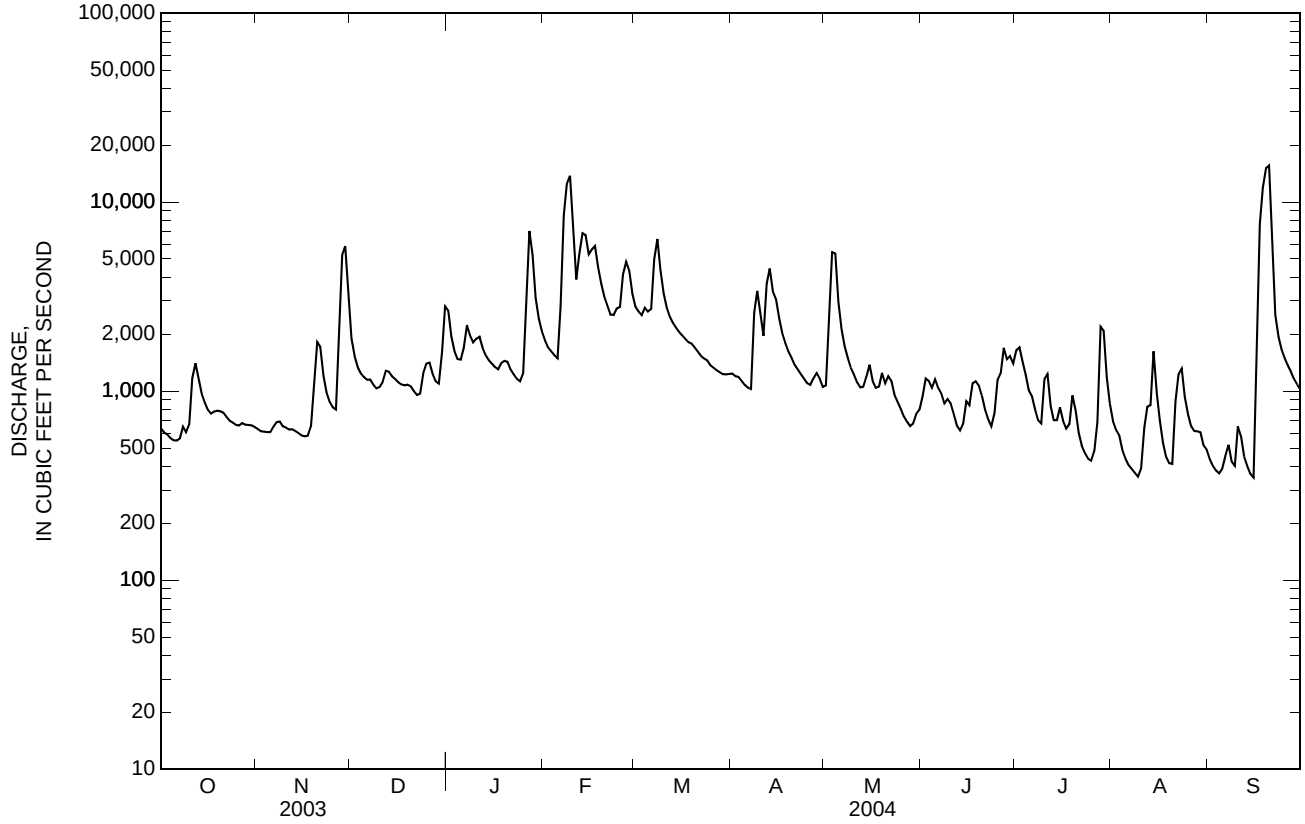
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	636	631	1,900	2,670	1,860	2,790	1,240	1,070	944	1,640	693	439
2	604	613	1,530	1,950	1,700	2,630	1,200	2,250	1,170	1,700	623	403
3	591	611	1,340	1,630	1,620	2,530	1,190	5,430	1,130	1,440	582	380
4	565	607	1,240	1,480	1,550	2,760	1,140	5,340	1,040	1,220	489	368
5	550	608	1,190	1,470	1,490	2,630	1,080	2,980	1,160	1,010	438	389
6	548	650	1,150	1,700	2,820	2,720	1,040	2,130	1,040	940	407	454
7	562	685	1,150	2,230	8,540	4,970	1,030	1,730	969	804	387	520
8	649	691	1,080	1,970	12,500	6,390	2,600	1,500	862	702	370	424
9	607	652	1,030	1,810	13,800	4,380	3,390	1,330	908	675	353	403
10	668	642	1,050	1,890	7,090	3,300	2,550	1,220	863	1,160	389	652
11	1,170	627	1,120	1,940	3,900	2,780	1,960	1,110	755	1,230	639	575
12	1,410	630	1,280	1,700	5,300	2,480	3,700	1,050	657	835	826	452
13	1,170	616	1,270	1,550	6,850	2,300	4,450	1,060	619	702	843	402
14	970	601	1,200	1,460	6,700	2,170	3,370	1,200	673	704	1,620	366
15	873	583	1,160	1,400	5,290	2,060	3,070	1,380	885	820	979	350
16	796	578	1,110	1,340	5,610	1,970	2,440	1,130	844	697	702	2,060
17	761	581	1,090	1,300	5,860	1,890	2,040	1,040	1,100	634	533	7,620
18	782	653	1,070	1,410	4,550	1,810	1,800	1,060	1,130	670	451	11,900
19	789	1,070	1,080	1,450	3,700	1,780	1,620	1,250	1,070	949	416	15,100
20	783	1,820	1,060	1,430	3,170	1,700	1,500	1,100	948	790	413	15,600
21	768	1,720	1,000	1,300	2,840	1,620	1,380	1,200	799	604	883	6,050
22	730	1,210	956	1,220	2,540	1,530	1,300	1,130	710	513	1,230	2,530
23	698	987	969	1,160	2,530	1,490	1,230	956	653	471	1,320	1,940
24	682	876	1,240	1,130	2,740	1,450	1,160	878	766	440	935	1,660
25	664	822	1,390	1,240	2,790	1,370	1,100	808	1,150	428	757	1,500
26	659	799	1,410	3,050	4,150	1,330	1,080	734	1,250	483	655	1,370
27	678	1,830	1,240	7,040	4,840	1,290	1,170	690	1,690	686	616	1,270
28	664	5,240	1,130	5,240	4,350	1,260	1,250	653	1,480	2,190	613	1,160
29	664	5,850	1,100	3,110	3,270	1,230	1,170	675	1,540	2,090	606	1,080
30	660	3,140	1,610	2,410	---	1,230	1,060	761	1,400	1,170	517	1,020
31	647	---	2,810	2,080	---	1,230	---	798	---	859	491	---
TOTAL	22,998	36,623	38,955	62,760	133,950	71,070	54,310	45,643	30,205	29,256	20,776	78,437
MEAN	742	1,221	1,257	2,025	4,619	2,293	1,810	1,472	1,007	944	670	2,615
MAX	1,410	5,850	2,810	7,040	13,800	6,390	4,450	5,430	1,690	2,190	1,620	15,600
MIN	548	578	956	1,130	1,490	1,230	1,030	653	619	428	353	350
CFSM	0.50	0.82	0.85	1.37	3.12	1.55	1.22	0.99	0.68	0.64	0.45	1.77
IN.	0.58	0.92	0.98	1.58	3.37	1.79	1.37	1.15	0.76	0.74	0.52	1.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

MEAN	840	1,413	2,039	3,765	4,601	4,751	2,973	1,941	1,568	1,540	786	1,046
MAX	2,736	3,648	4,345	8,699	13,980	7,397	5,695	7,676	4,441	5,783	1,901	3,037
(WY)	(1996)	(1993)	(2003)	(1998)	(1990)	(2001)	(2000)	(2003)	(2003)	(1989)	(2003)	(2001)
MIN	264	521	700	1,624	1,044	1,216	1,389	594	327	362	354	274
(WY)	(2001)	(1988)	(1988)	(2000)	(2000)	(1988)	(1988)	(1988)	(1988)	(2000)	(1988)	(2000)

02424590 CAHABA RIVER NEAR SUTTLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004	
ANNUAL TOTAL	1,155,341		624,983			
ANNUAL MEAN	3,165		1,708		2,263	
HIGHEST ANNUAL MEAN					3,588	2003
LOWEST ANNUAL MEAN					968	1988
HIGHEST DAILY MEAN	20,700	May 21	15,600	Sep 20	64,100	Feb 18, 1990
LOWEST DAILY MEAN	526	Sep 21	350	Sep 15	226	Oct 5, 2000
ANNUAL SEVEN-DAY MINIMUM	570	Sep 15	405	Aug 4	233	Oct 30, 2000
MAXIMUM PEAK FLOW			16,900	Sep 20	67,900	Feb 18, 1990
MAXIMUM PEAK STAGE			26.79	Sep 20	41.09	Feb 18, 1990
ANNUAL RUNOFF (CFSM)	2.14		1.15		1.53	
ANNUAL RUNOFF (INCHES)	29.04		15.71		20.78	
10 PERCENT EXCEEDS	7,070		3,200		4,800	
50 PERCENT EXCEEDS	2,010		1,160		1,240	
90 PERCENT EXCEEDS	657		577		459	



02425000 CAHABA RIVER NEAR MARION JUNCTION, AL

LOCATION.--Lat 32° 26'38", long 87° 10'49", in SE $^1/_4$ SW $^1/_4$ 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 mi^2.

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 NGVD of 1929 (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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 24, 1961, reached a stage of 43.80 ft, present datum, from floodmarks (discharge not determined).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 9	0800	16,300	24.06	Sep 20	1200	*18,800	*26.53

Minimum discharge, 402 ft^3/s, Aug. 9, gage height, 1.71 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

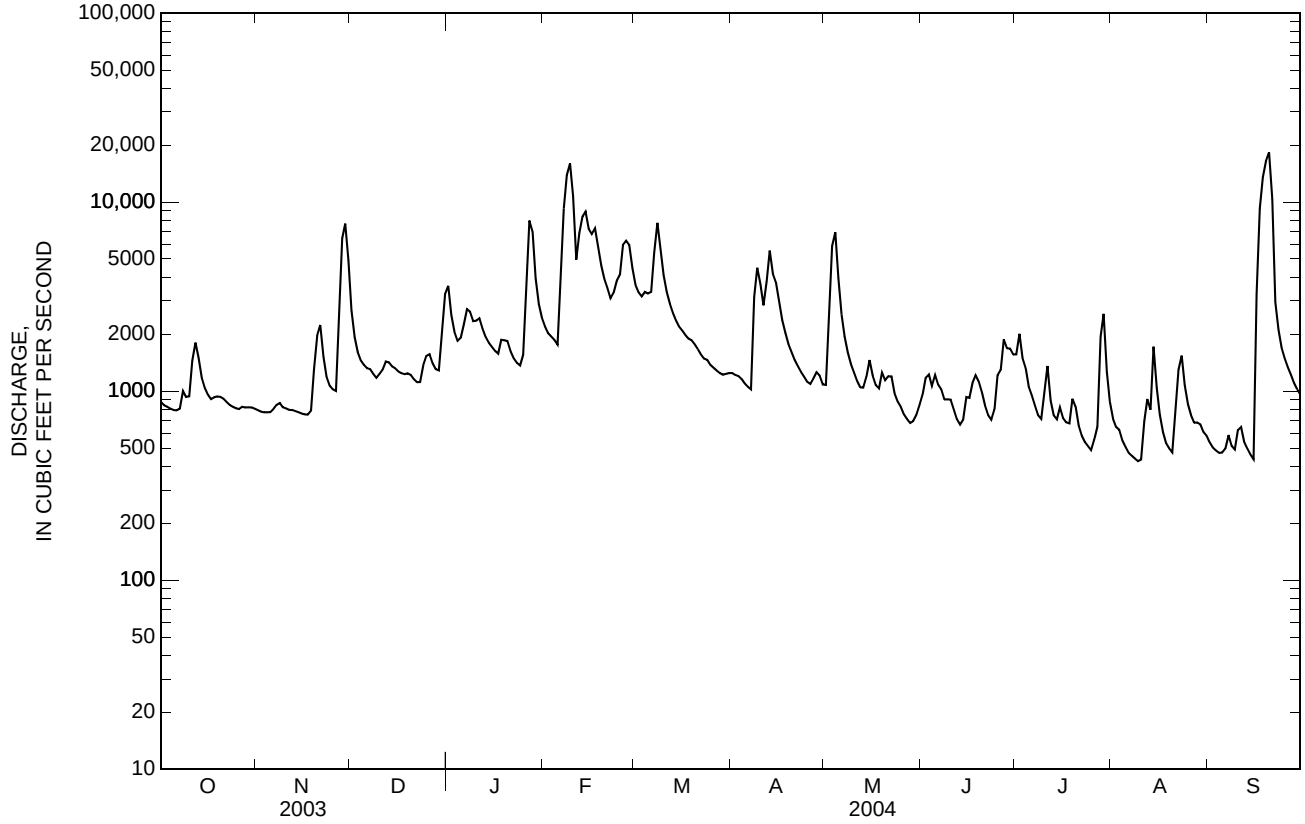
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	876	794	2,670	3,610	2,200	3,660	1,250	1,080	962	1,570	715	536
2	842	779	1,930	2,530	2,030	3,330	1,220	2,560	1,180	2,010	647	503
3	827	774	1,610	2,050	1,940	3,170	1,200	5,860	1,220	1,500	625	485
4	808	774	1,450	1,850	1,870	3,350	1,160	6,930	1,060	1,320	550	472
5	794	775	1,380	1,920	1,760	3,290	1,100	3,980	1,220	1,060	506	474
6	792	807	1,320	2,250	4,580	3,350	1,060	2,550	1,080	947	473	497
7	808	847	1,310	2,710	9,260	5,400	1,020	1,950	1,020	839	455	586
8	1,000	866	1,230	2,640	13,900	7,770	3,160	1,600	905	746	441	515
9	932	822	1,180	2,350	16,000	5,640	4,500	1,400	906	713	426	492
10	941	811	1,240	2,360	10,800	4,100	3,680	1,260	903	1,020	435	622
11	1,450	797	1,300	2,430	4,960	3,360	2,840	1,140	797	1,360	692	647
12	1,810	795	1,430	2,150	6,850	2,900	3,820	1,050	712	890	909	542
13	1,510	785	1,420	1,930	8,400	2,600	5,540	1,040	666	746	798	497
14	1,180	774	1,350	1,810	8,910	2,360	4,170	1,200	708	710	1,720	463
15	1,040	761	1,320	1,720	7,210	2,190	3,750	1,460	930	823	1,040	437
16	958	755	1,270	1,640	6,780	2,090	2,960	1,210	922	719	751	3,260
17	907	751	1,240	1,580	7,270	1,980	2,380	1,080	1,110	685	608	9,250
18	929	787	1,230	1,870	5,790	1,890	2,030	1,030	1,210	675	532	13,500
19	938	1,310	1,240	1,860	4,630	1,860	1,780	1,260	1,120	912	498	16,500
20	932	1,970	1,220	1,840	3,950	1,770	1,610	1,140	992	828	474	18,300
21	912	2,240	1,160	1,630	3,510	1,670	1,470	1,200	840	660	802	10,400
22	876	1,520	1,120	1,490	3,110	1,560	1,360	1,200	746	582	1,300	2,960
23	847	1,190	1,120	1,410	3,330	1,490	1,270	977	706	538	1,540	2,110
24	826	1,070	1,370	1,370	3,830	1,460	1,190	881	803	512	1,070	1,700
25	812	1,020	1,540	1,560	4,130	1,380	1,120	828	1,220	487	852	1,490
26	805	1,000	1,570	3,110	5,930	1,330	1,090	754	1,300	556	749	1,340
27	827	2,590	1,410	7,980	6,240	1,290	1,160	713	1,880	649	682	1,220
28	821	6,440	1,310	6,980	5,940	1,250	1,260	679	1,690	1,940	682	1,110
29	822	7,700	1,290	3,960	4,460	1,220	1,210	695	1,680	2,570	668	1,020
30	820	4,920	2,130	2,890	---	1,240	1,090	749	1,560	1,270	608	958
31	808	---	3,260	2,450	---	1,250	---	841	---	878	581	---
TOTAL	29,450	47,224	45,620	77,930	169,570	81,200	62,450	50,297	32,048	30,715	22,829	92,886
MEAN	950	1,574	1,472	2,514	5,847	2,619	2,082	1,622	1,068	991	736	3,096
MAX	1,810	7,700	3,260	7,980	16,000	7,770	5,540	6,930	1,880	2,570	1,720	18,300
MIN	792	751	1,120	1,370	1,760	1,220	1,020	679	666	487	426	437
CFSM	0.54	0.89	0.83	1.42	3.31	1.48	1.18	0.92	0.60	0.56	0.42	1.75
IN.	0.62	0.99	0.96	1.64	3.57	1.71	1.32	1.06	0.68	0.65	0.48	1.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	893	1,372	2,753	4,574	5,244	6,182	4,891	2,586	1,638	1,512	1,262	1,014
MAX	3,394	5,006	10,360	12,890	15,960	14,970	17,100	9,466	5,504	6,355	14,280	3,279
(WY)	(1996)	(1949)	(1984)	(1972)	(1990)	(1980)	(1979)	(2003)	(2003)	(1940)	(1939)	(2001)
MIN	302	484	530	816	1,324	1,363	645	690	348	410	279	230
(WY)	(2001)	(1982)	(1939)	(1981)	(2000)	(1988)	(1986)	(1988)	(1988)	(2000)	(1954)	(1954)

02425000 CAHABA RIVER NEAR MARION JUNCTION, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	1,431,917		742,219			
ANNUAL MEAN	3,923		2,028		2,815	
HIGHEST ANNUAL MEAN					4,489	1983
LOWEST ANNUAL MEAN					932	1986
HIGHEST DAILY MEAN	24,100	May 22	18,300	Sep 20	77,800	Aug 17, 1939
LOWEST DAILY MEAN	740	Sep 21	426	Aug 9	224	Sep 16, 1954
ANNUAL SEVEN-DAY MINIMUM	773	Nov 12	469	Aug 4	227	Sep 12, 1954
MAXIMUM PEAK FLOW			18,800	Sep 20	83,400	Aug 16, 1939
MAXIMUM PEAK STAGE			26.53	Sep 20	42.95	Aug 16, 1939
ANNUAL RUNOFF (CFSM)	2.22		1.15		1.59	
ANNUAL RUNOFF (INCHES)	30.16		15.63		21.66	
10 PERCENT EXCEEDS	9,690		4,140		6,430	
50 PERCENT EXCEEDS	2,320		1,220		1,420	
90 PERCENT EXCEEDS	838		657		513	



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 mi^2.

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 NGVD of 1929 (levels by Alabama Highway Department).

REMARKS.--Estimated daily discharges: Mar. 22 - Apr. 12, Apr 16-30, May 6-12. Records poor. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 17	2300	*11,000	*21.37	No other peak greater than base discharge.			

Minimum discharge, 27 ft^3/s, Aug. 9, 10, gage height, 1.90 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	60	109	250	210	428	e87	113	60	138	47	494
2	63	60	94	205	199	367	e82	241	99	114	42	208
3	61	59	88	188	193	325	e79	328	345	138	40	106
4	60	59	105	178	184	292	e77	161	495	112	40	78
5	60	59	126	186	181	272	e75	112	230	90	36	64
6	60	64	111	239	484	296	e73	e97	147	72	33	54
7	60	66	95	216	616	321	e73	e86	124	63	30	51
8	62	62	89	183	383	255	e73	e77	113	63	28	65
9	63	61	88	192	294	215	e68	e66	97	195	27	74
10	64	61	112	207	262	195	e70	e63	76	87	36	57
11	72	61	193	193	256	181	e68	e56	71	60	246	48
12	83	61	155	175	1,040	174	e76	e59	71	51	174	44
13	83	60	132	167	1,220	168	98	62	74	47	103	43
14	76	58	193	163	650	160	107	630	67	45	76	44
15	69	57	229	160	777	155	91	457	130	55	55	42
16	64	57	171	157	649	184	e73	190	123	57	46	2,600
17	62	59	174	162	478	177	e66	135	110	59	43	8,330
18	62	63	183	438	399	155	e63	113	102	269	40	8,640
19	64	176	155	502	352	140	e59	138	144	179	37	1,320
20	62	169	134	328	322	133	e61	155	169	100	36	351
21	60	107	123	261	301	128	e53	118	95	70	43	239
22	59	86	118	231	277	e112	e53	116	72	56	61	189
23	57	75	124	210	447	e105	e53	119	62	49	89	160
24	56	73	292	200	1,680	e100	e48	89	70	45	102	140
25	56	111	337	215	2,450	e94	e48	75	81	42	71	139
26	56	103	213	373	3,410	e93	e47	67	80	41	148	122
27	79	178	175	421	1,940	e91	e57	62	99	39	101	103
28	96	292	159	302	702	e89	e53	57	256	39	70	96
29	76	264	164	251	521	e86	e51	54	330	38	58	90
30	68	144	321	230	---	e94	e83	52	237	38	48	84
31	63	---	367	219	---	e100	---	52	---	42	66	---
TOTAL	2,040	2,865	5,129	7,402	20,877	5,685	2,065	4,200	4,229	2,493	2,072	24,075
MEAN	65.8	95.5	165	239	720	183	68.8	135	141	80.4	66.8	802
MAX	96	292	367	502	3,410	428	107	630	495	269	246	8,640
MIN	56	57	88	157	181	86	47	52	60	38	27	42
CFSM	0.25	0.37	0.63	0.91	2.76	0.70	0.26	0.52	0.54	0.31	0.26	3.07
IN.	0.29	0.41	0.73	1.05	2.98	0.81	0.29	0.60	0.60	0.36	0.30	3.43

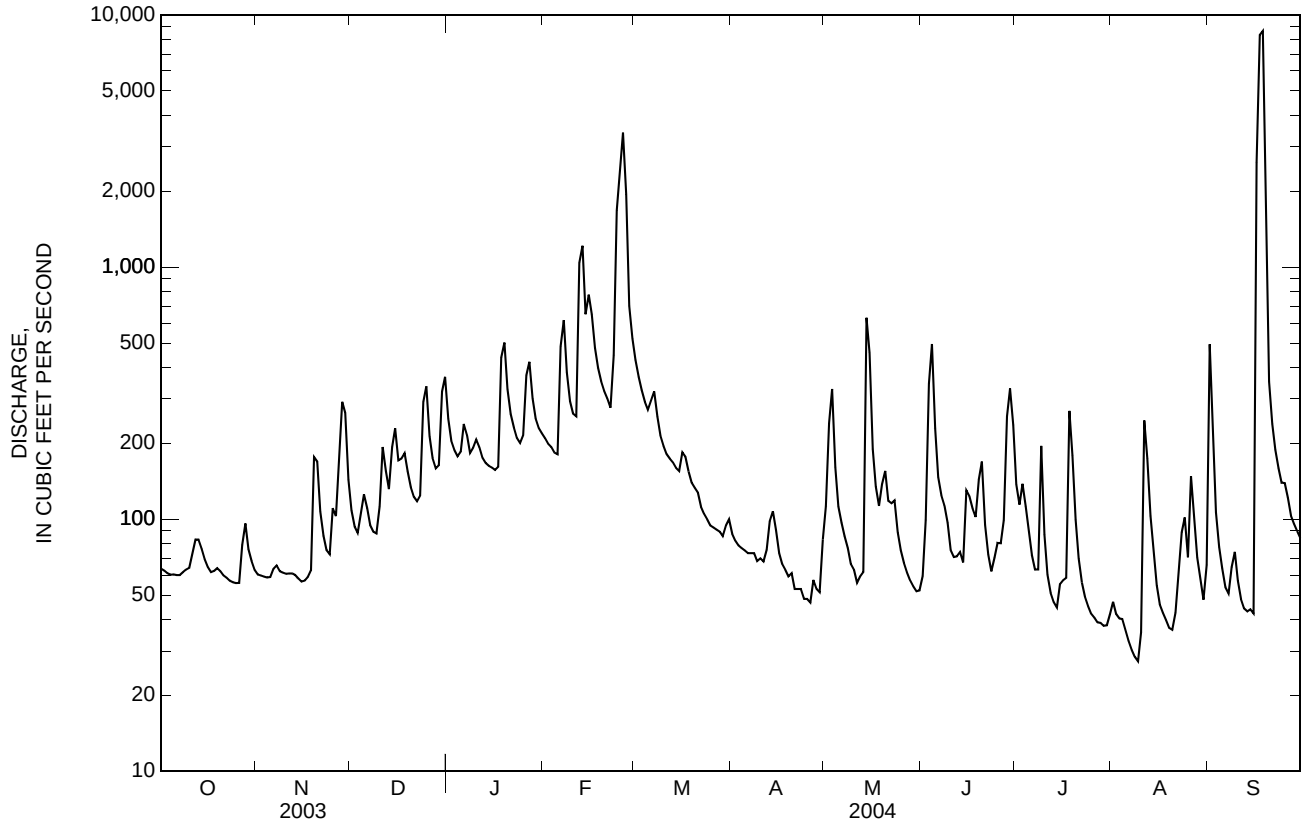
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	130	273	437	611	699	871	370	225	210	182	112	201
MAX	504	1,328	1,144	1,371	1,566	2,532	961	1,200	442	810	438	1,176
(WY)	(1996)	(1993)	(1993)	(1998)	(1990)	(2001)	(2003)	(1991)	(1997)	(2003)	(2003)	(1998)
MIN	14.4	40.2	54.7	206	183	183	68.8	31.9	20.3	14.4	15.6	18.5
(WY)	(2001)	(1991)	(1991)	(2002)	(2000)	(2004)	(2004)	(2000)	(2000)	(2000)	(2000)	(2000)

02427250 PINE BARREN CREEK NEAR SNOW HILL, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	151,745		83,132			
ANNUAL MEAN	416		227		359	
HIGHEST ANNUAL MEAN					543	1998
LOWEST ANNUAL MEAN					109	2000
HIGHEST DAILY MEAN	6,820	Apr 9	8,640	Sep 18	25,000	Mar 4, 2001
LOWEST DAILY MEAN	56	Oct 24	27	Aug 9	9.5	Aug 26, 2000
ANNUAL SEVEN-DAY MINIMUM	58	Oct 20	33	Aug 4	10	Aug 23, 2000
MAXIMUM PEAK FLOW			11,000	Sep 17	30,400	Mar 4, 2001
MAXIMUM PEAK STAGE			21.37	Sep 17	25.70	Mar 4, 2001
ANNUAL RUNOFF (CFSM)	1.59		0.870		1.37	
ANNUAL RUNOFF (INCHES)	21.63		11.85		18.67	
10 PERCENT EXCEEDS	935		332		682	
50 PERCENT EXCEEDS	177		98		122	
90 PERCENT EXCEEDS	64		50		36	

e Estimated



02427506 ALABAMA RIVER BELOW MILLERS FERRY LOCK AND DAM NEAR CAMDEN, AL

LOCATION.--Lat 32° 06'00", long 87° 23'52", in SW $^1/_4$ NW $^1/_4$ sec. 17, T. 13 N., R. 7 E., Wilcox County, Hydrologic Unit 03150203, at downstream end of Millers Ferry Lock and Dam, 1.0 mi downstream from State Highway 28, 1.3 mi downstream from Prairie Creek, 6.6 mi upstream from Dixon Creek, 12 mi northwest of Camden, and at mile 142.25.

DRAINAGE AREA.--20,637 mi^2.

PERIOD OF RECORD.-November 1968 to September 1997, October 2001 to current year (gage height only). October 1971 to September 1997 in reports of Geological Survey. November 1968 to September 1971, October 1997 to September 2001 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 NGVD of 1929. Gage-height records published prior to October 1, 1997 are at a datum 19.00 ft. above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 82.90 ft, Mar. 23, 1990; minimum, 29.50 ft, Sept. 2-4, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 64.64 ft, Sept. 18; minimum elevation, 33.09 ft, Oct. 5.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.23	35.42	45.68	42.22	43.19	39.81	36.51	---	35.57	38.77	35.30	35.67
2	35.82	35.36	40.91	39.32	39.31	42.70	38.13	---	36.75	40.07	35.96	35.62
3	36.41	36.36	40.19	38.74	40.11	41.42	37.86	---	38.22	39.26	36.09	35.65
4	35.00	36.48	39.55	37.34	40.56	42.06	36.34	---	35.91	38.99	36.84	36.67
5	34.49	37.02	39.29	37.60	40.88	40.93	37.39	41.55	36.09	38.43	36.73	38.26
6	35.08	37.41	39.58	39.80	43.31	41.06	36.56	40.48	36.95	38.51	36.38	36.59
7	35.39	36.79	38.84	42.08	52.07	41.08	35.99	36.92	37.55	37.74	35.77	36.10
8	37.43	37.00	37.52	42.37	53.83	43.92	36.03	35.66	36.00	37.25	35.59	37.44
9	36.36	36.03	40.13	41.83	54.03	45.35	37.29	35.65	35.96	38.36	35.09	36.01
10	36.89	37.60	38.09	41.53	54.16	41.79	37.62	35.25	36.08	36.97	35.54	35.68
11	37.92	37.14	38.58	40.08	52.85	41.19	37.85	36.14	36.20	36.81	35.86	35.81
12	37.38	37.44	39.92	40.52	50.32	39.10	37.18	36.84	35.46	37.77	36.64	35.52
13	35.55	36.84	40.06	39.68	55.35	39.89	37.88	38.63	35.20	37.38	36.68	37.38
14	36.52	37.03	41.26	38.06	56.75	37.40	39.33	37.80	36.84	37.31	35.29	39.22
15	37.39	36.10	38.76	38.48	56.75	37.27	38.12	36.87	40.03	36.58	35.51	40.43
16	37.15	35.11	39.51	37.47	53.95	37.45	38.90	35.81	39.44	36.58	35.39	46.26
17	36.92	36.45	38.92	37.47	50.30	39.16	37.17	35.34	37.02	35.53	35.61	60.00
18	37.73	37.27	39.58	36.66	48.49	38.30	36.38	36.20	35.84	35.25	35.51	63.50
19	37.39	38.98	41.01	38.62	48.38	37.43	37.05	37.84	36.20	35.14	35.33	62.81
20	35.39	40.32	41.26	39.92	45.06	35.73	37.38	37.81	36.29	36.74	35.64	62.00
21	35.89	42.42	38.64	40.40	44.32	37.57	36.02	38.05	35.79	37.05	35.48	57.86
22	36.64	42.95	37.10	39.10	39.45	38.22	---	38.49	35.66	36.98	35.79	51.82
23	36.75	41.21	37.79	38.39	40.05	37.27	---	36.02	37.11	35.61	36.89	45.42
24	35.98	37.89	39.65	37.28	40.78	36.80	---	36.88	37.37	35.32	36.89	42.06
25	35.94	40.60	41.20	36.47	43.99	36.65	---	36.92	38.11	35.23	36.20	38.86
26	35.60	41.10	41.40	42.29	52.71	35.81	37.84	36.58	37.90	35.43	36.83	39.34
27	36.40	38.97	39.31	47.52	54.30	35.00	---	36.77	38.73	36.00	37.65	39.10
28	37.12	43.80	37.05	48.46	49.09	34.56	---	35.79	40.01	37.43	37.20	38.51
29	36.94	47.19	38.57	46.66	45.49	36.68	---	35.76	40.02	37.89	36.36	40.16
30	36.99	45.56	40.54	43.71	---	36.46	---	35.14	39.99	38.26	35.90	38.31
31	36.43	---	41.23	45.02	---	36.15	---	35.73	---	35.57	35.93	---
MEAN	36.39	38.66	39.71	40.49	47.93	38.85	---	---	37.14	37.10	36.06	42.60
MAX	37.92	47.19	45.68	48.46	56.75	45.35	---	---	40.03	40.07	37.65	63.50
MIN	34.49	35.11	37.05	36.47	39.31	34.56	---	---	35.20	35.14	35.09	35.52

CAL YR 2003 MEAN 44.79 MAX 71.93 MIN 34.49

02428400 ALABAMA RIVER AT CLAIBORNE LOCK AND DAM NEAR MONROEVILLE, AL

LOCATION.--Lat 31° 36'54", long 87° 33'02", in NE $^1/_4$ SE $^1/_4$ 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 mi^2.

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 NGVD of 1929 (datum published incorrectly 1976-77, 1979-85).

REMARKS.--No estimated daily discharge. Water-discharge records fair. Flow regulated by reservoirs on Etowah, Coosa, Tallapoosa, and Alabama Rivers. (See Reservoirs in Mobile River basin).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 115,000 ft^3/s, Feb. 16, 17; Sept. 19; minimum discharge, 2,070 ft^3/s, Mar. 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

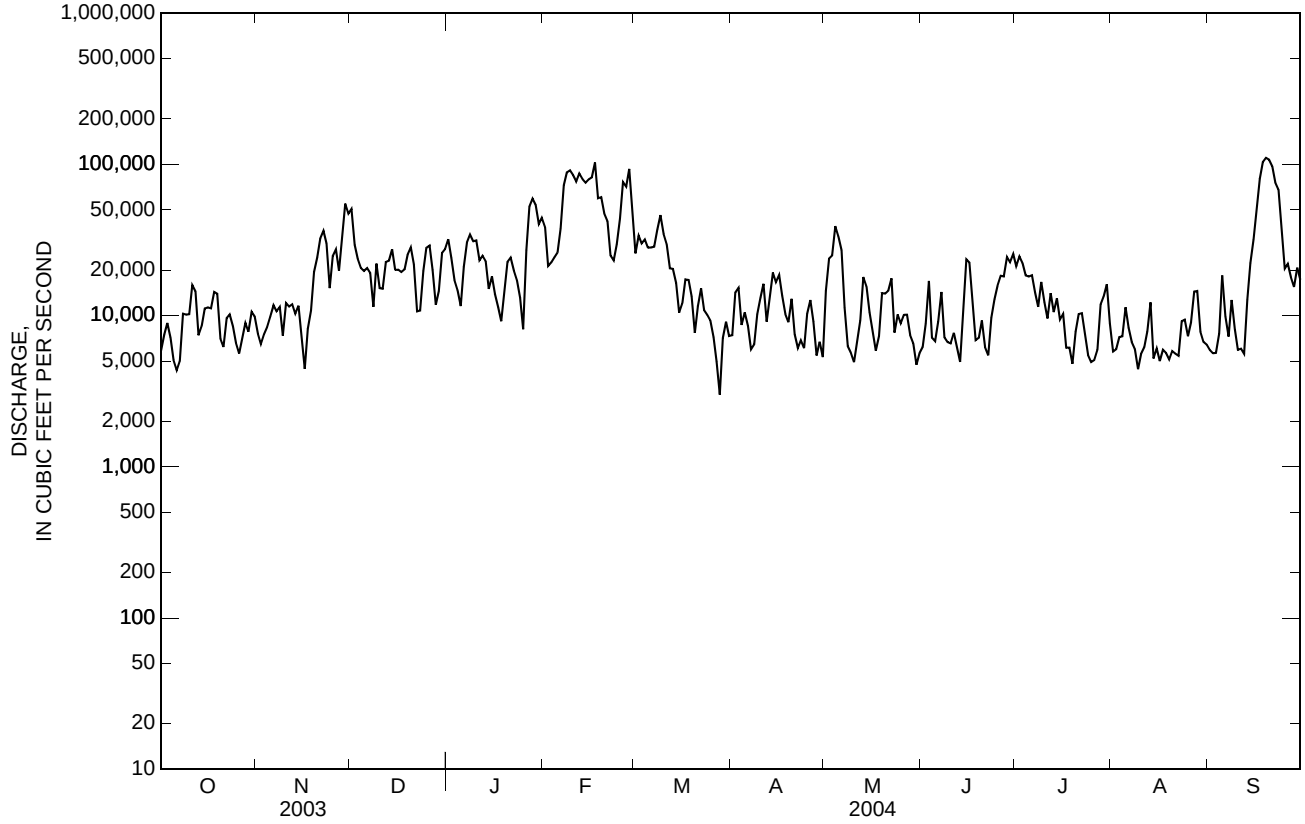
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,870	7,610	50,700	31,900	38,400	25,800	7,420	14,600	6,180	21,100	5,770	5,930
2	7,500	6,470	29,400	24,100	21,300	33,800	14,200	23,800	8,820	24,600	5,970	5,640
3	8,920	7,530	23,800	17,100	22,500	30,000	15,300	25,000	16,900	22,300	7,210	5,670
4	7,140	8,380	20,600	14,700	24,200	31,800	8,670	39,000	7,160	18,400	7,290	7,580
5	5,070	9,840	19,700	11,600	26,200	28,200	10,500	33,400	6,780	18,100	11,300	18,500
6	4,340	11,700	20,600	20,900	37,500	28,200	8,540	27,000	9,130	18,400	8,320	9,870
7	4,990	10,700	19,200	30,500	72,700	28,600	5,970	11,300	14,300	14,300	6,690	7,270
8	10,300	11,400	11,400	34,400	88,300	37,200	6,460	6,280	7,170	11,400	6,010	12,700
9	10,100	7,370	22,100	31,000	91,300	46,100	10,200	5,700	6,670	16,700	4,420	8,110
10	10,200	12,100	15,200	31,300	84,900	34,600	13,100	4,920	6,550	12,200	5,560	5,940
11	15,900	11,500	15,100	23,200	77,200	29,700	16,200	6,740	7,670	9,570	6,160	6,040
12	14,500	11,900	22,600	24,800	87,000	20,500	9,100	9,300	6,210	14,100	7,850	5,580
13	7,400	10,300	23,000	22,800	79,700	20,400	12,900	17,900	4,950	10,500	12,200	12,700
14	8,520	11,600	27,400	15,000	75,600	16,400	19,300	15,500	9,790	13,000	5,200	22,200
15	11,100	7,100	20,000	18,200	79,500	10,400	16,600	10,500	23,500	9,390	6,050	31,800
16	11,300	4,440	20,100	13,800	81,900	12,100	18,600	7,780	22,400	10,300	5,000	51,400
17	11,100	8,160	19,400	11,300	103,000	17,300	13,500	5,860	12,100	6,130	5,950	80,200
18	14,300	10,800	20,200	9,170	59,600	17,200	10,200	7,320	6,870	6,140	5,660	103,000
19	14,000	19,400	25,200	15,000	60,500	13,400	9,050	14,000	7,130	4,800	5,120	110,000
20	7,030	24,300	28,200	22,600	47,400	7,680	12,900	14,000	9,260	7,840	5,810	107,000
21	6,200	32,300	21,800	24,100	42,200	11,500	7,540	14,600	6,180	10,200	5,590	96,900
22	9,610	36,300	10,700	19,800	25,000	15,100	6,090	17,600	5,460	10,400	5,420	75,800
23	10,200	30,000	10,800	17,200	23,200	10,900	6,860	7,720	9,640	7,550	9,150	67,900
24	8,510	15,200	19,600	13,100	29,500	10,100	6,090	10,200	12,800	5,470	9,380	36,600
25	6,600	24,700	28,100	8,120	43,600	9,270	10,300	8,900	15,700	4,930	7,290	20,500
26	5,610	27,300	29,000	27,000	76,400	7,180	12,700	10,100	18,300	5,090	9,000	22,000
27	7,100	19,800	20,000	52,500	71,200	4,950	9,130	10,100	18,100	5,910	14,400	17,900
28	8,960	34,600	11,800	59,200	93,300	3,000	5,450	7,430	24,300	11,800	14,500	15,400
29	7,800	54,900	14,600	54,000	52,000	7,110	6,710	6,580	22,500	13,300	7,810	20,700
30	10,600	47,300	25,900	40,200	---	9,100	5,320	4,720	25,500	16,100	6,700	17,300
31	9,870	---	27,400	44,200	---	7,330	---	5,620	---	8,860	6,420	---
TOTAL	280,640	535,000	673,600	782,790	1,715,100	584,920	314,900	403,470	358,020	368,880	229,200	1,008,130
MEAN	9,053	17,830	21,730	25,250	59,140	18,870	10,500	13,020	11,930	11,900	7,394	33,600
MAX	15,900	54,900	50,700	59,200	103,000	46,100	19,300	39,000	25,500	24,600	14,500	110,000
MIN	4,340	4,440	10,700	8,120	21,300	3,000	5,320	4,720	4,950	4,800	4,420	5,580
CFSM	0.42	0.83	1.01	1.18	2.75	0.88	0.49	0.61	0.56	0.55	0.34	1.56
IN.	0.49	0.93	1.17	1.36	2.97	1.01	0.55	0.70	0.62	0.64	0.40	1.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	15,670	22,870	34,890	47,370	57,020	66,930	50,280	30,120	20,310	18,120	13,040	12,210
MAX	57,680	65,300	93,480	90,120	126,000	145,000	147,600	100,300	62,470	63,480	44,030	33,600
(WY)	(1976)	(1993)	(1984)	(1993)	(1990)	(1990)	(1979)	(2003)	(1989)	(2003)	(1984)	(2004)
MIN	5,398	6,609	11,060	9,615	13,310	17,020	9,129	8,196	6,312	5,859	5,909	5,486
(WY)	(1987)	(1988)	(2000)	(1981)	(2000)	(1988)	(1986)	(1986)	(2000)	(2000)	(1988)	(1986)

02428400 ALABAMA RIVER AT CLAIBORNE LOCK AND DAM NEAR MONROEVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	15,562,590		7,254,650			
ANNUAL MEAN	42,640		19,820		32,280	
HIGHEST ANNUAL MEAN					48,670	1990
LOWEST ANNUAL MEAN					13,590	2000
HIGHEST DAILY MEAN	144,000	Jul 7	110,000	Sep 19	255,000	Mar 25, 1990
LOWEST DAILY MEAN	4,340	Oct 6	3,000	Mar 28	3,000	Mar 28, 2004
ANNUAL SEVEN-DAY MINIMUM	6,260	Oct 1	5,510	Aug 16	4,190	Sep 16, 1986
MAXIMUM PEAK FLOW			115,000	Sep 19	255,000	Mar 25, 1990
MAXIMUM PEAK STAGE			42.25	Sep 20	57.59	Mar 25, 1990
ANNUAL RUNOFF (CFSM)	1.99		0.923		1.50	
ANNUAL RUNOFF (INCHES)	26.96		12.57		20.43	
10 PERCENT EXCEEDS	103,000		40,800		85,000	
50 PERCENT EXCEEDS	28,900		12,700		17,500	
90 PERCENT EXCEEDS	9,750		5,940		7,120	



02428401 ALABAMA RIVER BELOW CLAIBORNE LOCK AND DAM NEAR MONROEVILLE, AL

LOCATION.--Lat 31° 36'48", long 87° 33'02", in NE $^1/_4$ SE $^1/_4$ 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 mi^2.

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 NGVD of 1929. Prior to October 1, 1996 gage datum was 8.00 ft below NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 56.6 ft, Mar. 25, 1990; minimum elevation, 4.98 ft, Aug. 2, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 41.53 ft, Sept. 20; minimum elevation, 6.73 ft, July 26.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.72	10.78	26.85	21.23	24.38	24.22	10.25	12.47	9.03	18.57	9.54	8.85
2	9.64	9.67	22.87	20.06	20.34	22.88	12.98	17.76	10.42	18.84	8.52	8.37
3	10.58	9.77	19.91	16.95	18.72	22.58	14.67	19.51	14.48	18.99	9.35	8.19
4	10.29	10.53	18.77	15.76	19.02	22.40	12.11	22.43	12.24	17.22	9.24	8.88
5	8.74	11.32	17.87	13.84	19.69	21.55	11.92	22.66	10.58	17.17	11.60	14.38
6	7.72	12.26	17.75	15.96	22.01	21.18	11.41	20.57	11.22	17.04	10.67	12.01
7	8.14	12.51	17.64	20.22	29.60	21.21	9.75	15.69	13.55	15.49	9.41	10.65
8	10.42	12.50	14.24	22.10	33.03	22.76	9.38	11.56	11.28	13.89	8.76	12.03
9	---	11.07	16.82	21.37	33.97	25.53	10.68	9.60	9.91	15.29	7.65	10.99
10	11.50	11.74	16.03	21.59	34.49	23.75	12.84	8.64	9.56	14.14	7.95	9.11
11	14.22	12.62	15.13	19.53	34.57	21.76	15.03	9.01	10.01	12.39	8.52	8.58
12	14.51	12.76	17.49	19.45	33.53	19.49	11.96	10.48	9.47	13.12	9.34	8.26
13	11.63	12.49	18.23	18.91	34.19	18.41	13.32	14.42	8.36	12.46	12.36	10.50
14	10.61	12.77	19.89	16.40	36.25	17.79	16.12	15.20	10.27	13.31	9.26	16.01
15	11.91	10.72	18.52	16.42	37.04	15.04	16.31	13.14	16.13	11.92	8.68	19.61
16	12.52	8.66	17.47	14.82	36.71	14.76	16.13	11.11	18.32	11.94	7.79	25.57
17	12.49	9.75	17.21	13.49	34.63	16.13	14.98	9.39	15.08	10.26	8.12	36.10
18	13.72	11.17	17.33	12.67	31.84	16.62	12.89	9.73	11.53	9.46	8.14	39.86
19	14.16	15.78	18.84	14.30	30.97	15.31	11.09	12.66	10.25	8.24	7.83	41.28
20	11.26	17.76	20.18	17.57	28.43	12.52	13.20	14.03	11.14	8.91	8.02	41.48
21	9.38	20.72	18.93	18.69	26.32	12.52	11.41	14.12	9.48	11.02	8.23	40.85
22	11.18	22.43	14.39	17.92	22.69	14.33	9.86	15.63	8.81	11.57	7.95	38.42
23	11.50	21.48	14.12	16.59	20.25	13.32	9.58	12.29	10.66	10.62	9.69	33.22
24	11.05	17.27	16.09	15.02	22.40	12.59	9.15	11.41	12.46	8.76	10.74	27.70
25	9.75	18.15	19.75	12.16	25.30	11.79	11.47	11.30	13.86	7.90	10.16	21.96
26	9.28	19.81	20.45	17.32	31.63	10.79	11.83	11.91	16.14	7.63	10.23	20.19
27	9.84	18.25	18.37	25.60	35.21	9.13	12.27	11.37	15.99	8.15	12.65	18.64
28	11.09	20.91	15.46	28.32	33.90	7.38	9.66	10.91	18.21	11.11	14.25	16.86
29	11.78	26.85	14.25	28.22	30.11	8.60	9.46	9.49	18.66	12.36	11.05	18.19
30	11.96	26.27	18.56	25.34	---	10.81	9.20	8.40	19.63	14.28	9.66	17.60
31	11.85	---	20.01	25.29	---	10.37	---	8.38	---	12.65	9.18	---
MEAN	---	14.96	18.05	18.81	29.01	16.69	12.03	13.07	12.56	12.73	9.50	20.14
MAX	---	26.85	26.85	28.32	37.04	25.53	16.31	22.66	19.63	18.99	14.25	41.48
MIN	---	8.66	14.12	12.16	18.72	7.38	9.15	8.38	8.36	7.63	7.65	8.19

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 mi^2.
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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)
OCT 2003													
09...	1000	24.0	--	763	19800	160	8.0	95	7.4	57	47	<.04	<.008
NOV													
12...	1515	24.0	24.1	765	11900	166	8.4	99	7.6	63	52	<.04	E.006
DEC													
22...	1340	10.8	13.5	769	15900	171	12.2	109	7.4	61	50	<.04	E.005
JAN 2004													
22...	1005	8.8	7.5	769	22100	151	12.8	109	7.6	58	48	<.04	<.008
FEB													
26...	1350	10.4	7.0	763	73600	99	10.6	95	7.3	37	30	E.03	E.004
MAR													
30...	1000	18.1	23.5	767	10800	162	10.2	107	7.5	58	47	<.04	E.005
APR													
21...	1530	21.1	28.0	762	9160	158	10.6	119	7.3	53	43	<.04	E.006
MAY													
18...	0900	24.4	23.0	768	6850	159	8.3	99	7.1	63	52	E.02	.019
JUN													
23...	1345	30.1	--	765	7700	183	8.3	110	7.8	71	58	<.04	E.004
JUL													
21...	1010	30.4	--	764	9660	192	7.5	100	7.5	77	63	<.04	.011
SEP													
27...	1545	25.3	--	758	22900	140	8.8	108	6.8	59	48	<.04	<.008

Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L (71851)	Nitrite water, fltrd, mg/L (71856)	Orthophosphate, water, fltrd, mg/L (00660)	Phosphorus, water, unfltrd mg/L (00665)	Orthophosphate, water, fltrd, mg/L as P (00671)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
OCT 2003									
09...	--	.30	--	--	.052	.073	.017	7.41	12.9
NOV									
12...	--	.25	--	--	.055	.066	.018	9.24	14.1
DEC									
22...	--	.23	--	--	.058	.060	.019	8.58	15.0
JAN 2004									
22...	--	.21	--	--	--	.053	E.003	7.34	13.8
FEB									
26...	--	.22	--	--	.028	.125	.009	4.29	9.2
MAR									
30...	--	.23	--	--	--	.056	<.006	7.41	15.0
APR									
21...	--	.12	--	--	--	.051	<.006	6.67	11.9
MAY									
18...	.15	.17	.673	.062	.040	.065	.013	6.76	12.2
JUN									
23...	--	.07	--	--	--	.049	<.006	7.85	14.3
JUL									
21...	--	E.06	--	.036	--	.032	E.003	8.25	16.6
SEP									
27...	--	.11	--	--	.055	.075	.018	5.38	10.6

MOBILE RIVER MAIN STEM

02429500 ALABAMA RIVER AT CLAIBORNE, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)
NOV													
12...	<.025	<.004	.011	.01	<.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013
JAN													
22...	<.025	<.004	.088	<.01	<.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013
MAR													
30...	<.025	<.004	.073	<.01	<.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	E.005
APR													
21...	<.025	<.004	.049	.01	E.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	.013
MAY													
18...	<.025	<.004	.058	.01	E.008	<.018	<.003	<.005	<.003	<.005	<.004	<.009	E.011
JUN													
23...	<.025	<.004	.037	.01	<.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	E.006
JUL													
21...	<.025	<.004	.030	.01	<.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	E.007
SEP													
27...	<.025	<.004	.028	<.01	<.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013

Date	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)
NOV													
12...	<.027	<.010	<.005	.016	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
JAN													
22...	<.027	<.010	<.005	.011	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
MAR													
30...	<.027	<.010	<.005	.027	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
APR													
21...	<.027	<.010	<.005	.027	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
MAY													
18...	<.027	<.010	.006	.122	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
JUN													
23...	<.027	<.010	<.005	.051	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
JUL													
21...	<.027	<.010	<.005	.051	<.005	<.006	<.006	<.006	<.009	<.009	<.011	E.142	<.035
SEP													
27...	<.027	<.010	<.005	.028	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035

Date	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Propanil, water, fltrd 0.7u GF ug/L (82679)
NOV													
12...	<.015	<.020	<.004	E.01	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
JAN													
22...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
MAR													
30...	<.015	<.004	<.004	M	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
APR													
21...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
MAY													
18...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
JUN													
23...	<.015	<.004	<.004	E.01	<.003	<.005	<.010	<.050	<.02	<.020	<.02	<.002	<.011
JUL													
21...	<.015	<.007	<.004	E.01	<.003	<.005	<.010	<.020	<.02	<.015	<.02	<.002	<.011
SEP													
27...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011

MOBILE RIVER MAIN STEM

02429500 ALABAMA RIVER AT CLAIBORNE, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
NOV								
12...	<.041	<.010	<.003	<.022	<.007	<.03	<.050	<.006
JAN								
22...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
MAR								
30...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
APR								
21...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
MAY								
18...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
JUN								
23...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
JUL								
21...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
SEP								
27...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Suspnd. sediment, sieve diametr percent <.063mm (70331)
OCT					
09...	1000	19800	17	909	93
NOV					
12...	1515	11900	14	450	99
DEC					
22...	1340	15900	7	301	96
JAN					
22...	1005	22100	14	835	96
FEB					
26...	1350	73600	118	23400	78
MAR					
30...	1000	10800	14	408	90
APR					
21...	1530	9160	13	322	99
MAY					
18...	0900	6850	16	296	97
JUN					
23...	1345	7700	17	353	95
JUL					
21...	1010	9660	15	391	97
SEP					
27...	1545	22900	23	1420	92

02429540 ALABAMA RIVER AT CHOCTAW BLUFF, AL

LOCATION.--Lat 31° 21'49", long 87° 45'54", in SW $^{1}/_{4}$ sec. 27, T. 4 N., R. 3 E., Clarke County, Hydrologic Unit 03150204, on right bank 0.4 mi north of Choctaw Bluff, 6.9 mi downstream of Sizemore Creek, and at mile 42.3.

DRAINAGE AREA.--22,360 mi^2.

PERIOD OF RECORD.--October 2001 to current year. October 1978 to September 2001 in files of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Flow regulated by reservoirs and locks and dams on Etowah, Coosa, Tallapoosa, and Alabam Rivers. (see Reservoirs in Mobile River basin).

EXTREMES OUTSIDE PERIOD OF RECORD.--Significant flood events include 29.88 ft, April 1976; 29.90 ft, March 1979; 30.64 ft, April 1979; 31.51 ft, March 1990.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 27.03 ft, Sept. 21; minimum gage height, 3.71 ft, Jan. 11.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.57	7.02	18.91	14.06	18.00	20.45	6.10	6.93	5.25	13.34	6.68	5.32
2	5.61	6.12	18.01	14.59	16.18	17.64	6.78	10.17	6.39	12.99	5.38	4.91
3	5.85	5.63	15.26	12.47	13.49	17.42	8.76	12.83	8.42	13.63	5.29	4.70
4	6.38	6.05	14.04	11.32	13.04	16.58	8.27	13.94	9.05	12.80	5.30	4.71
5	5.69	6.58	12.91	9.76	13.30	16.27	7.23	15.92	7.41	12.64	6.17	6.55
6	4.72	7.13	12.25	9.38	14.17	15.69	7.23	14.88	7.10	12.41	6.50	7.80
7	4.56	7.78	12.30	12.41	18.17	15.53	6.43	12.52	7.89	11.81	5.74	6.81
8	5.08	7.61	10.45	14.72	21.82	15.78	5.72	8.92	7.96	10.62	5.21	6.32
9	---	7.31	10.19	15.04	23.07	17.59	5.70	6.60	6.66	10.37	4.78	6.90
10	6.92	6.46	11.14	15.19	23.58	17.96	7.18	5.61	6.22	10.22	4.57	5.73
11	8.07	7.66	10.15	13.45	23.90	16.61	8.85	5.17	6.15	8.97	4.87	4.92
12	9.26	7.84	10.81	---	23.99	15.50	8.25	5.76	5.94	8.21	5.13	4.73
13	8.37	7.98	11.93	13.59	23.77	14.27	8.22	7.42	5.33	8.34	6.44	4.79
14	6.75	7.65	13.06	12.39	24.42	14.27	9.37	9.67	5.25	8.28	6.22	8.11
15	6.87	7.09	13.36	11.31	24.99	12.77	10.72	9.05	7.91	8.01	5.04	11.31
16	7.50	5.90	12.07	10.52	25.25	11.86	10.46	7.55	11.77	7.49	4.52	15.62
17	7.67	5.40	11.72	9.53	24.85	11.73	10.43	6.34	11.13	7.10	4.26	22.53
18	8.05	6.23	11.51	9.05	23.80	12.08	8.94	5.89	8.57	6.24	4.36	25.12
19	8.87	8.82	11.98	9.09	22.84	11.45	7.33	6.69	6.85	5.50	4.30	26.16
20	8.00	10.69	13.26	---	21.96	9.82	7.72	8.59	6.77	4.92	4.31	26.69
21	6.12	12.91	13.47	12.16	20.48	8.33	7.69	8.76	6.21	5.97	4.54	26.95
22	6.26	14.81	10.90	12.53	18.87	8.96	6.58	9.54	5.60	6.68	4.48	26.68
23	6.67	15.24	9.24	11.68	16.40	9.09	5.80	9.07	5.72	6.77	4.91	25.33
24	6.83	13.37	9.72	10.69	17.18	8.39	5.56	7.20	6.90	5.64	5.93	22.61
25	6.19	11.55	12.22	8.78	17.96	7.67	6.23	7.14	7.92	4.80	6.21	19.01
26	5.83	12.86	13.63	9.36	20.65	7.22	6.66	7.09	9.84	4.46	5.75	15.96
27	5.66	13.04	13.23	15.39	23.21	6.15	7.77	6.82	10.31	4.58	6.63	14.12
28	6.11	12.91	11.54	18.91	23.80	5.05	6.66	6.96	11.32	5.47	8.52	12.36
29	7.23	17.12	9.28	20.12	22.87	4.43	5.74	5.84	12.51	6.82	7.54	11.90
30	7.24	18.70	11.20	19.34	---	5.83	6.45	5.33	13.17	8.19	6.26	12.22
31	7.40	---	13.15	18.30	---	6.38	---	4.91	---	8.79	5.56	---
MEAN	---	9.52	12.35	---	20.55	12.22	7.49	8.36	7.92	8.45	5.53	13.23
MAX	---	18.70	18.91	---	25.25	20.45	10.72	15.92	13.17	13.63	8.52	26.95
MIN	---	5.40	9.24	---	13.04	4.43	5.56	4.91	5.25	4.46	4.26	4.70

02438000 BUTTAHATCHEE RIVER BELOW HAMILTON, AL

LOCATION.--Lat 34° 06'22", long 87° 59'22", in NE $^1/_4$ 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 mi^2.

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 NGVD of 1929. (Levels by U.S. Army Corps of Engineers.) July 7, 1953, to July 10, 1954, nonrecording gage at site 300 ft upstream at same datum.

REMARKS.--No estimated 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.--Peak discharges greater than base discharge of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0545	*19,900	*24.93	Jul 31	1530	8,640	15.04
Mar 6	0415	9,810	16.43				

Minimum discharge, 82 ft^3/s, Aug. 19, 20, gage height, 1.38 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

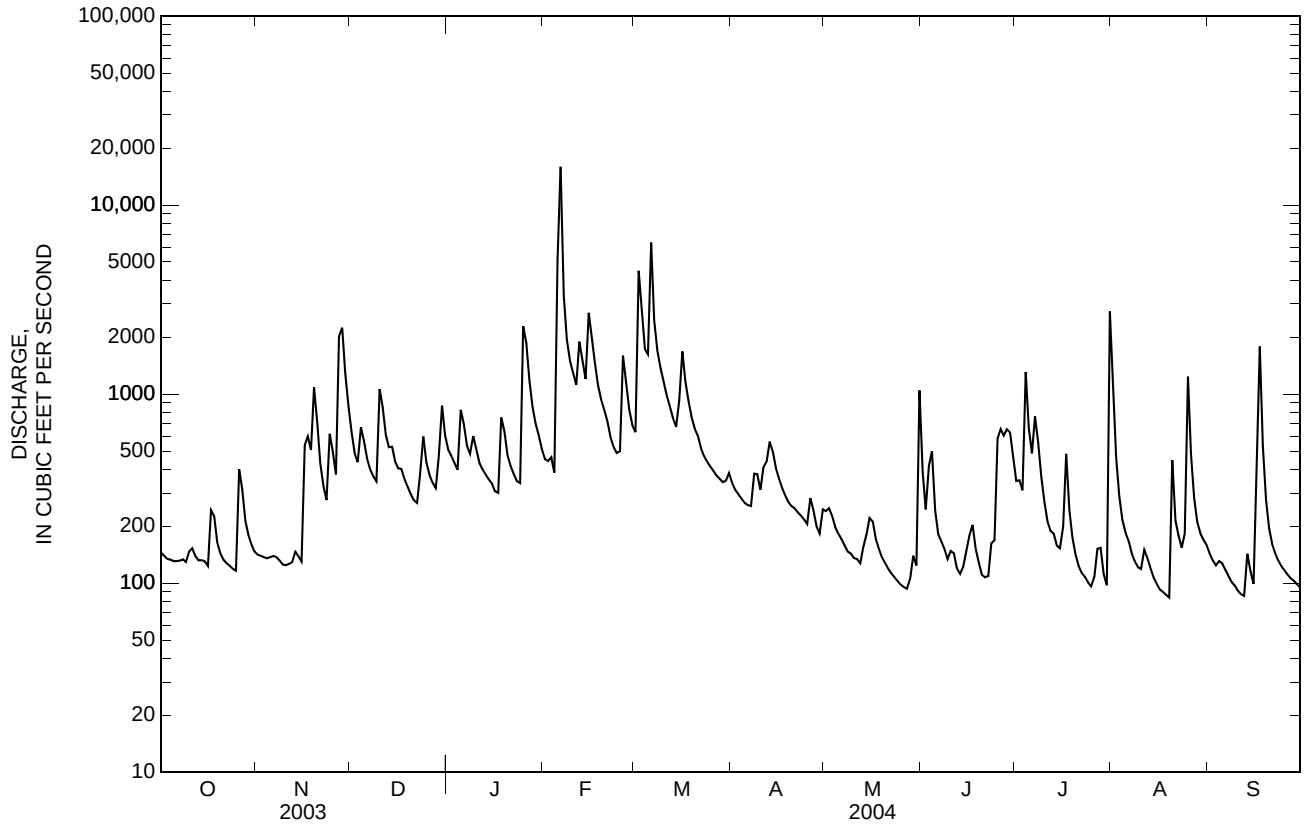
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	141	635	508	453	629	339	241	388	347	1,260	144
2	140	139	488	472	443	4,490	312	249	246	350	465	132
3	134	137	437	432	463	2,690	295	228	418	310	287	124
4	133	135	667	399	385	1,730	280	198	499	1,310	217	131
5	131	137	566	827	5,190	1,630	266	183	243	664	185	128
6	131	139	455	696	15,900	6,330	259	171	182	487	168	118
7	132	137	400	534	3,310	2,460	256	159	167	761	144	109
8	134	132	367	484	1,950	1,690	380	147	152	553	130	102
9	129	126	346	601	1,490	1,380	378	144	134	368	121	97
10	147	125	1,060	509	1,300	1,160	313	136	148	268	119	91
11	153	127	852	433	1,120	988	412	134	144	213	151	88
12	139	130	606	400	1,900	863	442	127	120	189	137	86
13	132	147	525	376	1,490	750	561	156	112	183	120	143
14	132	139	527	354	1,200	671	495	182	122	158	108	117
15	131	130	441	337	2,690	919	406	222	148	153	99	99
16	123	536	405	307	2,010	1,680	357	212	178	200	93	525
17	243	597	403	300	1,450	1,170	320	172	203	484	90	1,780
18	226	506	355	753	1,110	914	290	152	153	243	87	534
19	165	1,090	324	635	935	754	268	137	129	174	84	276
20	144	709	296	477	826	655	256	127	111	141	449	196
21	133	430	275	417	716	603	249	119	107	123	214	161
22	128	325	266	378	592	517	237	113	109	113	179	144
23	124	276	380	347	525	470	228	108	163	108	154	131
24	119	617	597	338	489	438	217	103	169	101	183	123
25	117	498	437	2,290	499	414	206	98	580	96	1,240	116
26	400	376	374	1,860	1,600	392	282	96	654	108	481	111
27	315	2,010	341	1,180	1,150	370	244	93	604	152	280	106
28	213	2,250	319	852	830	357	200	106	652	154	211	103
29	180	1,290	474	698	685	342	184	140	627	112	183	98
30	160	869	870	602	---	348	245	124	465	98	170	95
31	147	---	606	513	---	383	---	1,050	---	2,730	159	---
TOTAL	4,980	14,400	15,094	19,309	52,701	38,187	9,177	5,627	8,127	11,451	7,968	6,208
MEAN	161	480	487	623	1,817	1,232	306	182	271	369	257	207
MAX	400	2,250	1,060	2,290	15,900	6,330	561	1,050	654	2,730	1,260	1,780
MIN	117	125	266	300	385	342	184	93	107	96	84	86
CFSM	0.58	1.73	1.76	2.25	6.56	4.45	1.10	0.66	0.98	1.33	0.93	0.75
IN.	0.67	1.93	2.03	2.59	7.08	5.13	1.23	0.76	1.09	1.54	1.07	0.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	136	289	826	827	1,054	991	928	646	278	200	146	133
MAX	413	1,555	2,918	1,988	2,254	1,994	2,463	2,694	1,776	707	389	499
(WY)	(2003)	(1958)	(1962)	(1962)	(1991)	(1951)	(1991)	(1991)	(1997)	(1994)	(2003)	(1958)
MIN	30.5	68.6	88.6	111	223	303	306	126	77.2	46.8	32.6	28.8
(WY)	(2001)	(1954)	(1966)	(1956)	(2000)	(1966)	(2004)	(2000)	(1952)	(1952)	(2000)	(2000)

02438000 BUTTAHATCHEE RIVER BELOW HAMILTON, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL TOTAL	253,726		193,229			
ANNUAL MEAN	695		528		532	
HIGHEST ANNUAL MEAN					1,093	1991
LOWEST ANNUAL MEAN					233	2000
HIGHEST DAILY MEAN	12,400	Feb 22	15,900	Feb 6	23,000	Dec 23, 1990
LOWEST DAILY MEAN	82	Sep 20	84	Aug 19	18	Sep 4, 2000
ANNUAL SEVEN-DAY MINIMUM	86	Sep 14	97	Aug 13	19	Aug 31, 2000
MAXIMUM PEAK FLOW			19,900	Feb 6	49,500	Mar 16, 1973
MAXIMUM PEAK STAGE			24.93	Feb 6	35.49	Mar 16, 1973
ANNUAL RUNOFF (CFSM)	2.51		1.91		1.92	
ANNUAL RUNOFF (INCHES)	34.07		25.95		26.09	
10 PERCENT EXCEEDS	1,500		1,130		1,120	
50 PERCENT EXCEEDS	375		278		231	
90 PERCENT EXCEEDS	133		115		67	



02442500 LUXAPALLILA CREEK AT MILLPORT, AL

LOCATION.--Lat 33° 34'30" , long 88° 05'00", in SW $^1/_4$ 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 mi^2.

PERIOD OF RECORD.--August 1954 to September 1959, December 1980 to September 1986. October 1986 to Septermber 2001 (flood hydrograph only). October 2001 to current year.

REVISED RECORDS.--WDR AL-82-1: 1981. WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 243.65 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: July 30 - Aug. 2 and Aug. 11-13. 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,500 ft^3/s, Dec. 24, 1990, gage height, 14.07 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 27	1830	4,830	12.04	Mar 6	1900	5,980	12.58
Feb 7	0800	*14,600	*13.99				

Minimum discharge, 101 ft^3/s, Aug. 20, gage height, 3.35 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	168	413	360	295	419	280	269	612	671	e1,030	179
2	126	162	349	325	306	1,440	268	390	393	518	e421	161
3	124	155	325	311	344	1,380	259	291	809	399	189	151
4	125	152	686	293	296	715	251	234	1,160	381	160	393
5	123	172	507	984	1,810	789	240	210	411	431	147	224
6	124	201	382	670	9,090	5,270	237	190	283	301	161	174
7	128	168	330	437	11,000	2,790	234	175	290	1,010	140	152
8	129	154	302	393	1,850	1,120	270	165	246	704	128	140
9	129	142	294	631	930	834	269	157	209	832	122	130
10	426	136	946	477	808	681	240	157	219	393	231	124
11	261	134	617	384	777	604	546	161	181	298	e215	119
12	185	131	423	347	2,030	543	490	151	162	255	e180	117
13	163	129	371	329	1,110	493	450	206	204	293	e148	120
14	157	123	415	307	786	458	367	245	278	222	123	119
15	148	119	352	298	2,590	468	304	192	247	194	116	116
16	146	295	321	278	1,670	566	274	186	283	200	112	395
17	198	397	306	275	917	470	252	186	301	317	111	1,320
18	278	620	281	499	682	417	235	179	281	302	108	383
19	187	900	263	436	576	388	220	168	205	211	105	230
20	164	433	246	330	520	367	213	151	173	177	106	182
21	156	297	237	298	463	353	211	141	163	162	167	158
22	149	247	233	279	403	331	204	134	157	152	213	145
23	144	222	302	265	381	320	206	128	223	143	149	136
24	140	297	434	264	370	311	195	124	325	136	187	129
25	138	300	315	1,130	397	304	223	122	387	135	361	124
26	775	238	274	958	1,650	300	447	119	405	137	426	121
27	447	2,960	254	539	860	298	274	116	1,990	164	224	116
28	273	2,030	243	406	567	297	216	114	1,880	152	274	113
29	222	770	511	366	467	295	196	198	1,100	131	606	110
30	193	515	806	343	---	296	282	162	1,470	e113	279	106
31	178	---	447	315	---	293	---	1,570	---	e1,550	212	---
TOTAL	6,265	12,767	12,185	13,527	43,945	23,610	8,353	6,991	15,047	11,084	7,151	6,187
MEAN	202	426	393	436	1,515	762	278	226	502	358	231	206
MAX	775	2,960	946	1,130	11,000	5,270	546	1,570	1,990	1,550	1,030	1,320
MIN	123	119	233	264	295	293	195	114	157	113	105	106
CFSM	0.82	1.72	1.59	1.77	6.13	3.08	1.13	0.91	2.03	1.45	0.93	0.83
IN.	0.94	1.92	1.84	2.04	6.62	3.56	1.26	1.05	2.27	1.67	1.08	0.93

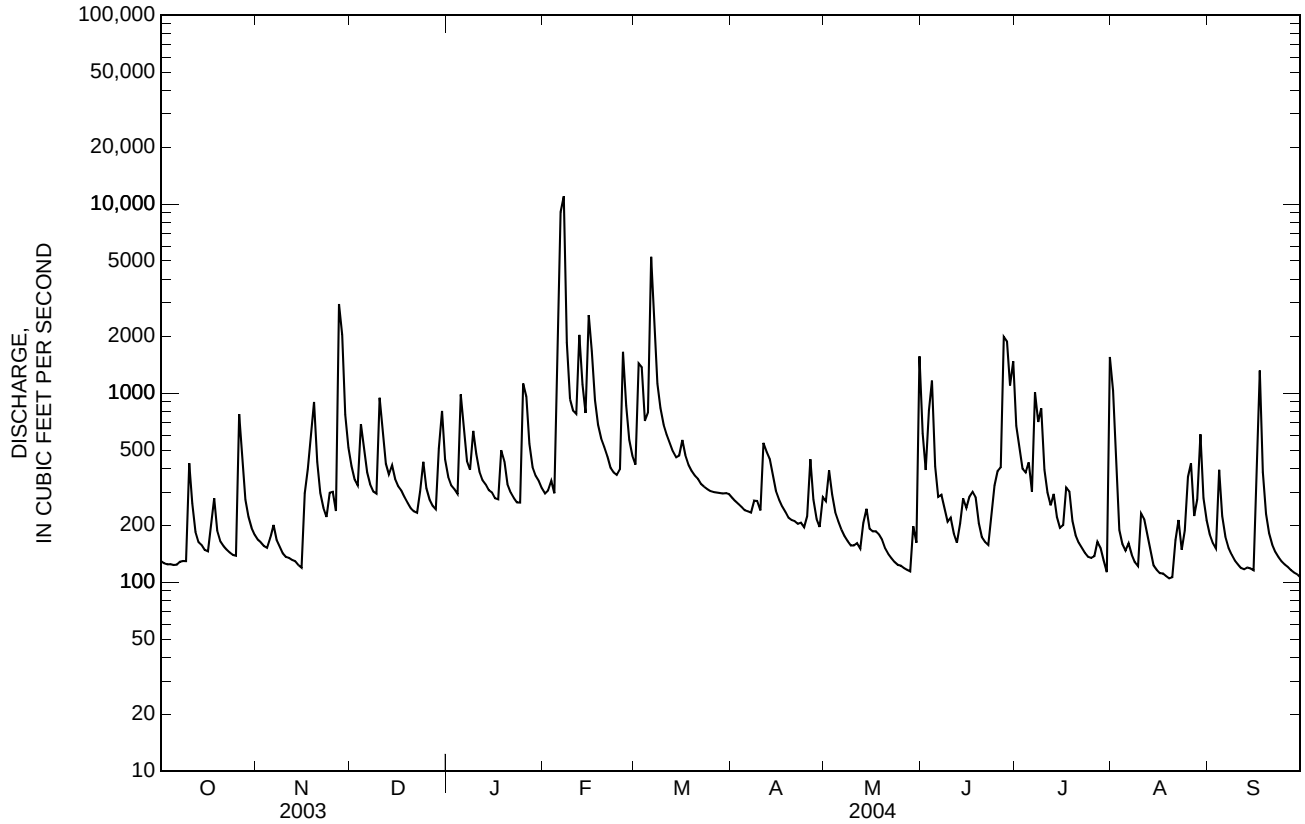
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

MEAN	174	345	533	471	805	606	595	483	252	196	134	121
MAX	412	1,030	1,737	1,022	1,554	1,324	1,323	1,408	567	408	371	268
(WY)	(2003)	(1958)	(1984)	(1982)	(2003)	(1983)	(1983)	(2003)	(2003)	(1958)	(2003)	(2002)
MIN	49.4	90.4	104	104	275	275	156	149	90.5	64.0	42.7	44.3
(WY)	(1955)	(1955)	(1956)	(1956)	(1981)	(1985)	(1986)	(1955)	(1955)	(1956)	(1954)	(1954)

02442500 LUXAPALLILA CREEK AT MILLPORT, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	218,178		167,112			
ANNUAL MEAN	598		457		404	
HIGHEST ANNUAL MEAN					671	2003
LOWEST ANNUAL MEAN					205	1986
HIGHEST DAILY MEAN	7,400	Feb 23	11,000	Feb 7	11,000	Feb 7, 2004
LOWEST DAILY MEAN	99	Sep 20	105	Aug 19	36	Sep 14, 1954
ANNUAL SEVEN-DAY MINIMUM	105	Sep 14	112	Aug 14	37	Sep 11, 1954
MAXIMUM PEAK FLOW			14,600	Feb 7	15,500	Dec 24, 1990
MAXIMUM PEAK STAGE			13.99	Feb 7	14.07	Dec 24, 1990
ANNUAL RUNOFF (CFSM)	2.42		1.85		1.64	
ANNUAL RUNOFF (INCHES)	32.86		25.17		22.22	
10 PERCENT EXCEEDS	1,280		816		789	
50 PERCENT EXCEEDS	306		274		220	
90 PERCENT EXCEEDS	141		129		79	

e Estimated



02444160 TOMBIGBEE RIVER AT BEVILL LOCK AND DAM NEAR PICKENSVILLE, AL

LOCATION.--Lat 33° 12'38", long 88° 17'19", in NW $^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to October 1, 1999, water-stage recorder at same site at datum 100.00 ft higher.

REMARKS.--Estimated daily discharges: Apr. 6-9, 12-14. Records good. Records since Jan. 16, 1985, include diversions from Tennessee River basin through Bay Springs lock on Tennessee-Tombigbee Waterway.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 99,900 ft^3/s, Feb. 6; minimum discharge, 32 ft^3/s, Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,040	2,360	24,800	10,500	5,810	9,410	2,090	3,090	14,800	39,100	2,010	3,640
2	2,000	3,240	19,300	9,860	7,110	27,400	4,940	4,320	9,690	26,100	3,150	3,010
3	1,240	1,780	10,700	8,720	5,590	42,600	3,960	3,420	10,900	22,400	4,640	2,120
4	1,530	3,090	12,000	7,540	4,760	30,600	3,720	3,090	16,100	17,100	4,060	2,560
5	2,640	1,790	12,600	12,400	21,100	29,600	3,200	3,090	8,300	11,800	3,310	2,670
6	2,080	2,400	8,770	11,700	88,500	55,700	e2,630	2,710	6,960	10,600	1,030	2,950
7	2,030	2,900	7,760	8,910	75,200	65,600	e3,470	2,540	16,300	12,200	1,650	1,360
8	1,480	1,640	6,080	8,330	69,200	47,500	e5,170	2,200	20,200	14,500	1,420	1,150
9	1,570	2,400	6,070	11,100	71,800	48,200	e4,620	2,350	6,910	15,100	1,510	1,650
10	5,680	2,180	11,700	12,000	54,100	33,600	4,910	2,150	7,220	11,300	1,420	1,010
11	3,730	2,400	12,200	8,350	30,600	16,100	6,250	1,740	4,260	9,020	1,050	1,630
12	2,730	1,320	11,100	7,290	31,900	13,500	e9,910	2,090	3,430	5,600	1,990	705
13	2,760	2,510	8,170	5,560	33,300	9,100	e9,290	2,520	2,870	4,600	1,430	8,990
14	2,840	1,400	8,350	6,270	24,600	8,710	e9,520	1,830	8,110	3,520	1,590	1,580
15	2,430	1,640	7,330	5,150	33,200	7,850	9,860	9,250	5,170	6,320	1,020	1,440
16	1,470	5,140	6,780	5,690	42,400	14,700	6,660	13,100	6,840	5,910	834	7,720
17	2,410	5,990	6,240	4,570	29,100	15,300	5,310	9,020	11,400	6,460	1,630	19,600
18	3,080	8,690	5,120	12,000	25,300	13,000	5,120	9,620	9,290	5,590	767	9,300
19	1,870	22,300	5,210	13,900	22,700	10,700	4,310	5,560	6,290	7,110	1,080	6,010
20	3,600	14,400	3,630	11,000	14,900	8,890	3,160	4,950	5,220	4,330	1,250	5,120
21	2,770	10,300	4,380	8,470	11,700	7,680	3,920	2,470	2,220	3,510	1,940	3,700
22	2,490	8,260	4,830	6,040	10,600	6,330	2,200	2,990	2,960	3,680	2,970	2,020
23	1,550	6,160	5,690	4,800	7,890	4,640	4,470	2,250	3,250	2,060	2,190	2,210
24	2,620	10,800	11,300	5,580	8,750	6,200	2,700	1,850	4,890	2,750	2,660	1,330
25	1,700	12,300	9,550	21,400	8,420	4,250	5,510	1,430	16,700	2,990	4,410	2,360
26	10,900	7,920	6,970	34,600	22,900	5,040	4,160	2,050	32,100	3,020	5,170	2,630
27	8,210	24,100	5,780	21,000	22,700	4,060	3,290	1,330	29,400	1,030	3,490	719
28	6,270	45,500	5,470	20,400	17,800	4,270	3,160	2,290	39,300	1,740	5,030	753
29	4,120	33,500	7,760	19,200	14,700	4,860	3,310	2,290	42,000	1,130	8,370	1,640
30	3,650	23,400	19,400	11,500	---	4,930	2,950	2,330	48,300	2,030	6,540	980
31	4,300	---	13,300	8,770	---	4,850	---	16,500	---	2,960	5,430	---
TOTAL	98,790	271,810	288,340	342,600	816,630	565,170	143,770	126,420	401,380	265,560	85,041	102,557
MEAN	3,187	9,060	9,301	11,050	28,160	18,230	4,792	4,078	13,380	8,566	2,743	3,419
MAX	10,900	45,500	24,800	34,600	88,500	65,600	9,910	16,500	48,300	39,100	8,370	19,600
MIN	1,240	1,320	3,630	4,570	4,760	4,060	2,090	1,330	2,220	1,030	767	705
CFSM	0.55	1.58	1.62	1.92	4.90	3.17	0.83	0.71	2.33	1.49	0.48	0.59
IN.	0.64	1.76	1.87	2.22	5.28	3.66	0.93	0.82	2.60	1.72	0.55	0.66

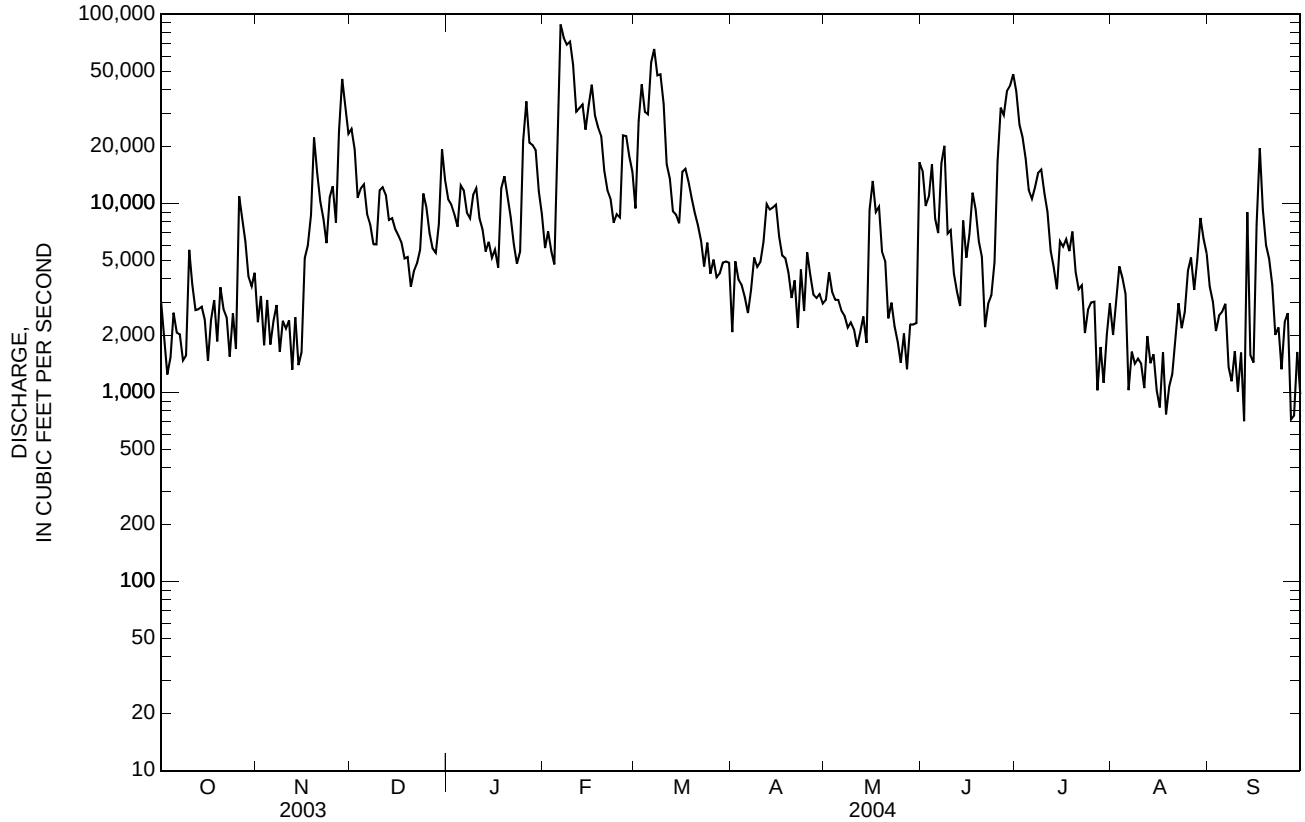
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)

MEAN	2,890	5,590	13,840	15,010	18,330	16,010	14,550	11,810	6,867	3,784	2,328	2,021
MAX	8,760	14,060	42,160	29,990	40,590	27,680	44,220	70,040	29,030	15,340	8,214	6,349
(WY)	(2003)	(1987)	(1984)	(1989)	(1991)	(1995)	(1983)	(1991)	(1997)	(1994)	(2003)	(2002)
MIN	691	780	1,956	2,060	3,493	5,447	2,128	1,489	789	883	564	485
(WY)	(2001)	(1982)	(2000)	(1981)	(2000)	(1985)	(1986)	(1992)	(1988)	(2000)	(2000)	(1984)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004	
ANNUAL TOTAL	4,411,874		3,508,068			
ANNUAL MEAN	12,090		9,585		9,376	
HIGHEST ANNUAL MEAN					19,390	1991
LOWEST ANNUAL MEAN					3,369	1988
HIGHEST DAILY MEAN	79,600	Feb 22	88,500	Feb 6	178,000	Feb 23, 1991
LOWEST DAILY MEAN	660	Sep 12	705	Sep 12	196	Oct 22, 1982
ANNUAL SEVEN-DAY MINIMUM	1,090	Sep 12	1,170	Aug 14	319	Sep 25, 1984
MAXIMUM PEAK FLOW			99,900	Feb 6	178,000	Feb 23, 1991
MAXIMUM PEAK STAGE			138.12	Feb 7	144.33	Feb 23, 1991
ANNUAL RUNOFF (CFSM)	2.10		1.67		1.63	
ANNUAL RUNOFF (INCHES)	28.54		22.70		22.16	
10 PERCENT EXCEEDS	30,300		22,800		23,800	
50 PERCENT EXCEEDS	6,570		5,260		3,990	
90 PERCENT EXCEEDS	1,870		1,640		797	

e Estimated

02444160 TOMBIGBEE RIVER AT BEVILL LOCK AND DAM NEAR PICKENSVILLE, AL—Continued



02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 33° 05'32", long 88° 17'58", in NE $^1/_4$ 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 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1998 to September 2004 (discontinued).

REVISED RECORDS.--WDR AL-00-1: 1999(P), WDR AL-02-1: 1999(M), 2000(M).

GAGE.--Water-stage recorder. Elevation of gage is 140 ft above NGVD of 1929 (from topographic map).

REMARKS.--Estimated daily discharges: Feb. 8-10, Mar. 7-9. Records poor.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0430	*8,400	*19.10	Mar 6	1215	3,580	15.39

Minimum discharge, 0.00 ft^3/s, July 30, 31, Sept. 29, 30, gage height, 0.88 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.58	1.2	20	45	8.9	37	2.9	38	27	159	25	2.3
2	0.49	1.2	12	39	8.2	43	2.7	240	8.3	187	2.8	1.5
3	0.44	1.3	9.2	26	7.6	78	2.0	25	2.9	123	1.9	0.95
4	0.42	1.5	65	24	6.8	58	1.8	8.2	2.4	16	0.98	0.93
5	0.38	1.1	47	919	1,340	128	1.8	3.8	1.3	18	0.86	0.80
6	0.37	14	22	190	4,940	2,310	1.4	2.0	0.81	409	0.52	0.73
7	0.37	9.0	16	65	2,360	e619	2.2	1.3	799	79	0.27	0.76
8	0.39	2.9	8.6	99	e390	e96	179	0.95	47	125	0.25	0.83
9	0.37	1.4	13	421	e174	e42	23	0.70	13	325	0.51	0.46
10	338	0.99	343	106	e119	32	20	0.77	7.1	13	1.9	0.31
11	420	0.80	96	43	413	12	893	0.92	3.9	4.0	12	0.19
12	56	1.2	37	28	817	9.0	234	1.2	2.5	2.3	4.4	0.18
13	15	1.4	28	21	160	8.6	132	1.4	40	1.6	2.0	0.17
14	5.0	0.82	105	17	177	6.3	36	1.8	11	1.3	0.66	0.12
15	2.6	0.66	49	15	880	7.3	12	7.3	5.6	0.84	0.36	0.08
16	1.9	0.83	26	13	169	24	6.5	18	88	0.38	0.25	114
17	2.1	13	17	35	92	17	4.1	26	176	0.31	0.25	351
18	2.0	189	9.7	174	61	8.7	2.9	14	59	0.20	0.28	21
19	3.3	272	7.2	61	43	5.6	2.0	7.8	15	0.12	0.21	5.7
20	1.3	45	6.5	26	40	4.3	1.9	3.8	9.4	0.06	0.23	2.4
21	0.88	14	4.5	17	43	7.0	1.4	1.8	4.2	0.10	0.38	0.92
22	0.80	5.2	3.6	13	32	3.3	0.82	3.4	17	0.06	1.8	0.47
23	0.97	3.2	104	10	186	3.7	0.70	1.1	137	0.05	1.3	0.23
24	0.96	5.0	133	19	157	4.4	0.57	0.82	21	0.04	103	0.10
25	0.91	12	37	540	857	3.3	40	0.56	16	0.02	113	0.05
26	74	4.7	19	197	1,210	2.9	54	0.36	8.7	0.06	18	0.05
27	34	1,430	13	62	156	5.0	8.2	0.24	314	0.07	6.5	0.09
28	9.5	297	9.3	28	75	3.5	3.4	0.20	469	0.05	46	0.07
29	4.2	80	812	19	48	4.3	2.0	0.31	162	0.03	52	0.03
30	1.8	31	408	14	---	5.8	1.9	0.30	83	0.03	10	0.03
31	1.1	---	89	11	---	3.7	---	56	---	25	7.5	---
TOTAL	980.13	2,441.40	2,569.6	3,297	14,970.5	3,592.7	1,674.19	468.03	2,551.11	1,490.62	415.11	506.45
MEAN	31.6	81.4	82.9	106	516	116	55.8	15.1	85.0	48.1	13.4	16.9
MAX	420	1,430	812	919	4,940	2,310	893	240	799	409	113	351
MIN	0.37	0.66	3.6	10	6.8	2.9	0.57	0.20	0.81	0.02	0.21	0.03
CFSM	0.60	1.55	1.58	2.02	9.81	2.20	1.06	0.29	1.62	0.91	0.25	0.32
IN.	0.69	1.73	1.82	2.33	10.59	2.54	1.18	0.33	1.80	1.05	0.29	0.36

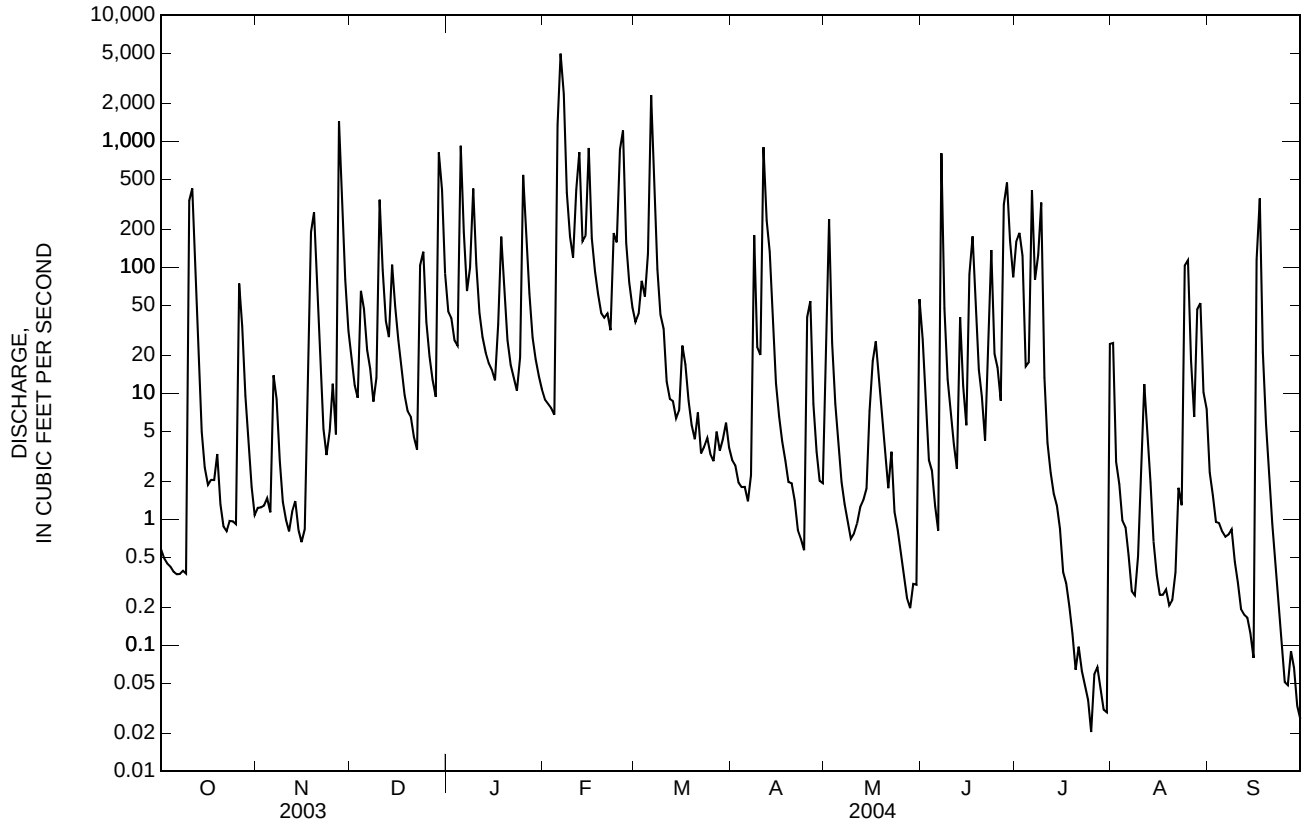
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	55.9	50.5	99.4	134	214	134	107	20.6	67.6	21.6	2.55	26.4
MAX	157	97.0	208	334	516	250	248	76.4	163	48.1	13.4	76.7
(WY)	(2002)	(2003)	(2003)	(1999)	(2004)	(2001)	(2003)	(2003)	(2003)	(2004)	(2004)	(2002)
MIN	0.00	0.00	15.2	49.5	6.59	24.7	10.8	0.33	0.05	0.08	0.00	0.00
(WY)	(1999)	(1999)	(2000)	(2000)	(2000)	(2000)	(2002)	(2000)	(2002)	(2000)	(2000)	(1999)

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	41,476.39		34,956.84			
ANNUAL MEAN	114		95.5		76.9	
HIGHEST ANNUAL MEAN					135	2003
LOWEST ANNUAL MEAN					27.5	2000
HIGHEST DAILY MEAN	3,450	Apr 7	4,940	Feb 6	4,940	Feb 6, 2004
LOWEST DAILY MEAN	0.00	Jul 29	0.02	Jul 25	0.00	Oct 1, 1998
ANNUAL SEVEN-DAY MINIMUM	0.02	Aug 3	0.04	Jul 24	0.00	Oct 1, 1998
MAXIMUM PEAK FLOW			8,400	Feb 6	8,400	Feb 6, 2004
MAXIMUM PEAK STAGE			19.10	Feb 6	19.10	Feb 6, 2004
ANNUAL RUNOFF (CFSM)	2.16		1.82		1.46	
ANNUAL RUNOFF (INCHES)	29.33		24.72		19.87	
10 PERCENT EXCEEDS	277		181		136	
50 PERCENT EXCEEDS	7.5		7.7		2.6	
90 PERCENT EXCEEDS	0.41		0.31		0.00	

e Estimated



MOBILE RIVER BASIN

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)
OCT 2003													
22...	1250	23.9	22.8	758	1.08	.73	440	11.0	131	8.2	--	112	92
NOV													
20...	1315	15.3	17.7	763	1.86	34	333	10.6	106	7.8	--	66	54
DEC													
29...	1345	11.4	16.0	760	7.35	1140	187	10.8	99	7.8	--	66	54
JAN 2004													
15...	1320	10.5	11.5	763	1.45	8.2	422	13.9	125	8.2	2	146	124
FEB													
19...	1310	11.1	21.5	763	1.84	28	357	12.6	114	8.1	--	132	108
MAR													
23...	1300	18.9	--	771	1.25	2.6	508	11.3	120	8.1	--	171	140
APR													
19...	1240	25.5	26.0	770	1.20	5.9	464	14.4	174	8.5	5	132	116
MAY													
27...	1225	32.4	29.5	760	1.00	.24	496	10.8	150	8.2	--	91	74
JUN													
28...	1350	23.7	29.5	765	2.82	173	162	8.5	100	7.7	--	72	59
JUL													
22...	1145	33.1	31.5	762	1.00	.01	519	9.6	134	8.1	--	127	104
SEP													
23...	1300	28.7	30.5	766	1.05	.24	368	12.6	162	8.6	--	--	E71

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ammonia water, fltrd, mg/L (71846)	Nitrate water, fltrd, mg/L (71851)	Nitrite water, fltrd, mg/L (71856)	Orthophosphate, water, fltrd, mg/L (00660)	Phosphorus, water, unfltrd mg/L (00665)	Orthophosphate, water, fltrd, mg/L as P (00671)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
OCT 2003												
22...	<.04	<.008	--	<.06	--	--	--	.061	.070	.020	42.6	51.7
NOV												
20...	.06	.042	3.38	3.43	.08	15.0	.138	.497	.29	.162	35.2	26.0
DEC												
29...	<.04	.027	1.26	1.29	--	5.59	.089	.484	2.21	.158	10.1	16.6
JAN 2004												
15...	<.04	.012	.35	.36	--	1.54	.039	.083	.158	.027	29.7	42.5
FEB												
19...	.10	.018	.40	.42	.13	1.77	.059	.129	.20	.042	28.1	29.9
MAR												
23...	<.04	<.008	--	<.06	--	--	--	--	.063	E.003	34.3	67.0
APR												
19...	<.04	.027	.76	.79	--	3.37	.089	--	.076	<.006	27.0	63.1
MAY												
27...	<.04	.142	3.52	3.66	--	15.6	.467	--	.044	<.006	40.9	80.7
JUN												
28...	<.04	.009	.36	.37	--	1.59	.030	.353	.43	.115	5.79	6.7
JUL												
22...	<.04	<.008	--	<.06	--	--	--	--	.022	<.006	38.4	87.9
SEP												
23...	<.04	<.008	--	<.06	--	--	--	.046	.057	.015	42.2	39.5

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)
NOV													
20...	<.025	<.004	<.005	<.01	E.009	<.018	<.003	<.005	<.003	<.005	<.004	<.009	E.008
JAN													
15...	<.025	<.004	<.005	<.01	E.066	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013
MAR													
23...	<.025	<.004	<.005	.02	E.017	<.018	<.003	<.005	<.003	<.005	<.004	<.009	E.012
APR													
19...	<.025	<.004	.033	.01	E.409	<.018	<.003	<.005	<.003	.026	<.004	<.009	.396
MAY													
27...	<.025	<.004	.011	<.01	E1.60	<.018	<.003	<.005	<.003	<.005	<.004	<.009	.066
JUN													
28...	<.025	<.004	E.003	E.03	E.127	<.018	<.003	<.005	<.003	E.004	<.004	<.009	.042
JUL													
22...	<.025	<.004	<.010	.01	E.107	<.018	<.003	<.005	<.003	<.005	<.004	<.009	.017
SEP													
23...	<.025	<.004	<.005	M	E.084	<.018	<.003	<.005	<.003	<.005	<.004	<.009	E.011

Date	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)
NOV													
20...	<.027	<.010	<.005	.071	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
JAN													
15...	<.027	<.010	<.005	.128	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
MAR													
23...	<.027	<.010	<.005	.096	<.005	<.006	<.010	<.006	E.005	<.009	<.011	<.034	<.035
APR													
19...	<.027	<.010	<.005	14.6	<.005	<.006	.061	<.006	<.009	<.009	<.011	<.034	<.035
MAY													
27...	<.027	<.010	<.005	2.69	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
JUN													
28...	<.027	<.010	<.005	.403	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
JUL													
22...	<.027	<.010	<.005	.622	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.050	<.035
SEP													
23...	<.027	<.010	<.005	.240	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035

Date	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Propanil, water, fltrd 0.7u GF ug/L (82679)
NOV													
20...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
JAN													
15...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
MAR													
23...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
APR													
19...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
MAY													
27...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
JUN													
28...	<.015	<.004	<.004	E.01	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
JUL													
22...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
SEP													
23...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.007	<.02	<.002	<.011

MOBILE RIVER BASIN

02444490 BOGUE CHITTO CREEK NEAR MEMPHIS, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
NOV								
20...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
JAN								
15...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
MAR								
23...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
APR								
19...	<.041	<.010	<.003	.023	<.007	<.02	<.050	<.006
MAY								
27...	<.041	<.010	<.003	E.014	<.007	<.02	<.050	<.006
JUN								
28...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
JUL								
22...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
SEP								
23...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Suspnd. sediment, sieve diametr percent <.063mm (70331)
OCT					
22...	1250	.73	4	.01	80
NOV					
20...	1315	34	50	4.6	96
DEC					
29...	1345	1140	1630	5010	87
JAN					
15...	1320	8.2	19	.42	98
FEB					
19...	1310	28	45	3.4	99
MAR					
23...	1300	2.6	9	.06	98
APR					
19...	1240	5.9	6	.10	90
MAY					
27...	1225	.24	9	.01	94
JUN					
28...	1350	173	289	135	99
JUL					
22...	1145	.01	8	.00	80
SEP					
23...	1300	.24	4	.00	88

02444500 TOMBIGBEE RIVER NEAR COCHRANE, AL

LOCATION.--Lat 33° 04'52", long 88° 14'16", in NW $^1/_4$ 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 Bogue Chitto Creek, 7 mi southwest of Aliceville, and at mile 271.4.

DRAINAGE AREA.--5,940 mi^2.

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 at NGVD of 1929. 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. Prior to October 1, 1999, water-stage recorder at same site at datum 89.85 ft higher.

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 ft^3/s, 19.62 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 166,000 ft^3/s, Mar. 21, 1973; maximum gage height, 137.22 ft, Mar. 21, 1973; minimum discharge, 165 ft^3/s, September 21, 1954; gage height, 92.19 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1892 reached a stage of 140.05 ft, present datum (discharge not determined), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 126.66 ft, Feb. 8; minimum elevation, 108.60 ft, Dec. 16, 17.

ELEVATION, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109.50	109.36	112.28	110.23	109.74	110.28	109.56	109.84	110.92	115.43	109.50	109.52
2	109.10	109.48	111.54	109.99	109.70	111.80	109.80	109.87	109.71	113.08	109.64	109.53
3	108.97	109.32	110.25	109.93	109.74	115.30	109.64	109.83	109.94	111.93	109.77	109.51
4	109.16	109.44	110.28	109.75	109.53	113.84	109.52	109.93	110.34	111.17	109.62	109.52
5	109.53	109.29	110.36	110.49	111.16	113.27	109.58	110.00	109.74	110.45	109.60	109.58
6	109.13	109.30	110.00	110.46	122.32	116.89	109.46	109.89	109.71	110.20	109.51	109.53
7	109.38	109.19	109.93	110.00	125.94	120.55	109.63	109.84	110.57	110.39	109.58	109.41
8	108.91	109.28	109.72	110.01	126.54	119.06	109.77	109.70	111.65	110.35	109.45	109.41
9	109.25	109.19	109.74	110.28	126.21	117.46	109.80	109.88	109.73	110.68	109.59	109.48
10	109.50	109.24	110.23	110.27	123.84	115.33	109.70	109.93	109.77	110.26	109.49	109.56
11	109.18	109.28	110.43	109.96	117.64	111.93	110.09	109.77	109.41	109.93	109.50	109.68
12	109.46	109.12	110.13	109.89	114.62	110.78	110.26	109.72	109.46	109.78	109.58	109.28
13	109.45	109.24	109.88	109.80	115.04	110.31	110.42	109.67	109.43	109.64	109.44	109.92
14	109.30	109.33	109.88	109.75	113.13	110.14	110.47	109.61	109.78	109.65	109.60	109.26
15	109.38	109.41	109.79	109.51	---	109.99	110.20	110.27	109.58	109.79	109.54	109.52
16	109.40	109.59	109.46	109.63	---	110.65	110.02	110.54	109.62	109.71	109.54	109.73
17	109.48	109.65	109.25	109.53	---	110.96	109.91	110.09	110.27	109.72	109.58	111.06
18	109.18	109.70	109.66	110.10	112.96	110.43	109.89	110.07	109.93	109.67	109.37	110.10
19	109.32	111.35	109.51	110.47	112.32	110.17	109.98	109.93	109.68	109.78	109.48	109.82
20	109.41	110.56	109.55	110.12	111.02	110.07	109.71	109.76	109.66	109.62	109.66	109.64
21	109.14	109.92	109.55	110.00	110.47	109.86	109.78	109.65	109.52	109.54	109.50	109.71
22	109.22	109.72	109.59	109.69	110.22	109.74	109.77	109.64	109.60	109.57	109.60	109.60
23	109.24	109.54	109.68	109.59	110.03	109.65	109.76	109.68	109.62	109.34	109.39	109.60
24	109.27	109.78	110.19	109.65	110.21	109.81	109.87	109.56	109.62	109.53	109.58	109.58
25	109.42	110.19	109.96	110.98	110.08	109.79	109.85	109.40	110.50	109.57	109.70	109.64
26	109.89	109.97	109.75	113.96	112.37	109.76	109.88	109.36	112.76	109.41	109.62	109.61
27	109.89	111.49	109.66	111.96	112.60	109.77	109.83	109.32	112.93	109.49	109.49	109.55
28	109.50	115.28	109.64	111.37	111.35	109.69	109.84	109.41	114.31	109.47	109.71	109.55
29	109.54	114.66	109.90	111.33	110.98	109.68	110.01	109.38	115.12	109.48	109.91	109.53
30	109.52	112.31	111.29	110.40	---	109.72	109.88	109.43	115.90	109.59	109.77	109.42
31	109.59	---	110.54	109.99	---	109.63	---	110.52	---	109.53	109.73	---
MEAN	109.36	110.11	110.05	110.29	---	111.82	109.86	109.79	110.63	110.19	109.58	109.63
MAX	109.89	115.28	112.28	113.96	---	120.55	110.47	110.54	115.90	115.43	109.91	111.06
MIN	108.91	109.12	109.25	109.51	---	109.63	109.46	109.32	109.41	109.34	109.37	109.26

02446500 SIPSEY RIVER NEAR ELROD, AL

LOCATION.--Lat 33° 15'25", long 87° 46'35", in NE $^1/_4$ 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 mi^2.

PERIOD OF RECORD.--August 1928 to March 1932, October 1939 to September 1971, October 1978 to current year.

REVISED RECORDS.--WSP 1434: 1929. WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 197.81 ft above NGVD of 1929. Prior to Mar. 31, 1932, nonrecording gage at railroad bridge 0.2 mi downstream from present site at datum 1.93 ft higher. Nov. 1 to Dec. 11, 1939, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges: May 10, June 14 and 15. 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.--Peak discharges greater than base discharge of 4,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 9	1200	*15,200	*16.59	Mar 10	1100	5,550	14.64

Minimum discharge, 123 ft^3/s, Sept. 15, 16, gage height, 5.73 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	396	281	1,430	885	1,250	1,670	541	558	331	1,180	681	247
2	296	252	2,360	943	1,160	1,960	540	1,050	473	1,520	508	225
3	256	237	2,680	1,020	1,020	2,050	515	1,060	626	2,170	482	193
4	233	229	2,460	1,070	859	1,700	485	780	827	2,040	531	176
5	220	225	1,980	1,230	788	1,390	459	611	951	1,690	477	184
6	211	235	1,430	1,470	3,360	2,240	428	503	1,050	1,420	344	183
7	207	236	1,150	1,200	5,020	3,940	402	421	1,140	1,250	266	218
8	204	237	1,040	1,140	7,970	4,170	521	361	1,230	1,140	228	225
9	204	240	997	1,250	14,000	3,730	544	317	1,120	1,090	210	194
10	302	236	999	1,430	10,100	5,190	497	e295	816	978	227	168
11	541	230	977	1,450	6,050	4,010	786	270	486	984	291	152
12	563	222	908	1,310	4,360	2,930	958	257	359	969	389	141
13	579	216	881	1,180	3,300	2,250	876	283	318	914	359	134
14	489	210	932	1,100	2,720	1,800	866	296	e469	707	260	129
15	365	206	992	1,020	2,760	1,450	860	304	e557	494	210	125
16	294	214	1,010	908	2,900	1,280	816	340	602	381	187	221
17	271	271	973	803	2,910	1,170	717	359	1,030	342	170	606
18	298	324	897	755	2,790	1,100	604	341	963	330	157	574
19	304	571	809	711	2,830	1,040	514	357	716	314	149	576
20	336	618	713	693	2,970	998	455	350	554	308	143	611
21	338	683	631	729	2,710	944	413	295	442	273	144	671
22	309	745	567	778	2,210	866	383	254	354	242	146	706
23	270	816	525	809	1,830	785	363	228	349	217	167	556
24	244	882	531	780	1,570	714	345	211	350	197	182	343
25	228	853	532	784	1,320	655	385	199	391	196	207	259
26	224	704	555	843	1,480	606	819	188	570	248	232	226
27	234	779	575	848	1,490	573	944	179	957	302	223	206
28	251	1,130	571	886	1,350	549	900	172	1,140	569	222	192
29	316	1,140	561	966	1,390	529	770	171	1,130	682	224	181
30	352	1,210	752	1,070	---	535	643	171	1,120	720	229	173
31	328	---	833	1,180	---	537	---	208	---	751	234	---
TOTAL	9,663	14,432	32,251	31,241	94,467	53,361	18,349	11,389	21,421	24,618	8,479	8,795
MEAN	312	481	1,040	1,008	3,257	1,721	612	367	714	794	274	293
MAX	579	1,210	2,680	1,470	14,000	5,190	958	1,060	1,230	2,170	681	706
MIN	204	206	525	693	788	529	345	171	318	196	143	125
CFSM	0.59	0.91	1.97	1.91	6.17	3.26	1.16	0.70	1.35	1.50	0.52	0.56
IN.	0.68	1.02	2.27	2.20	6.66	3.76	1.29	0.80	1.51	1.73	0.60	0.62

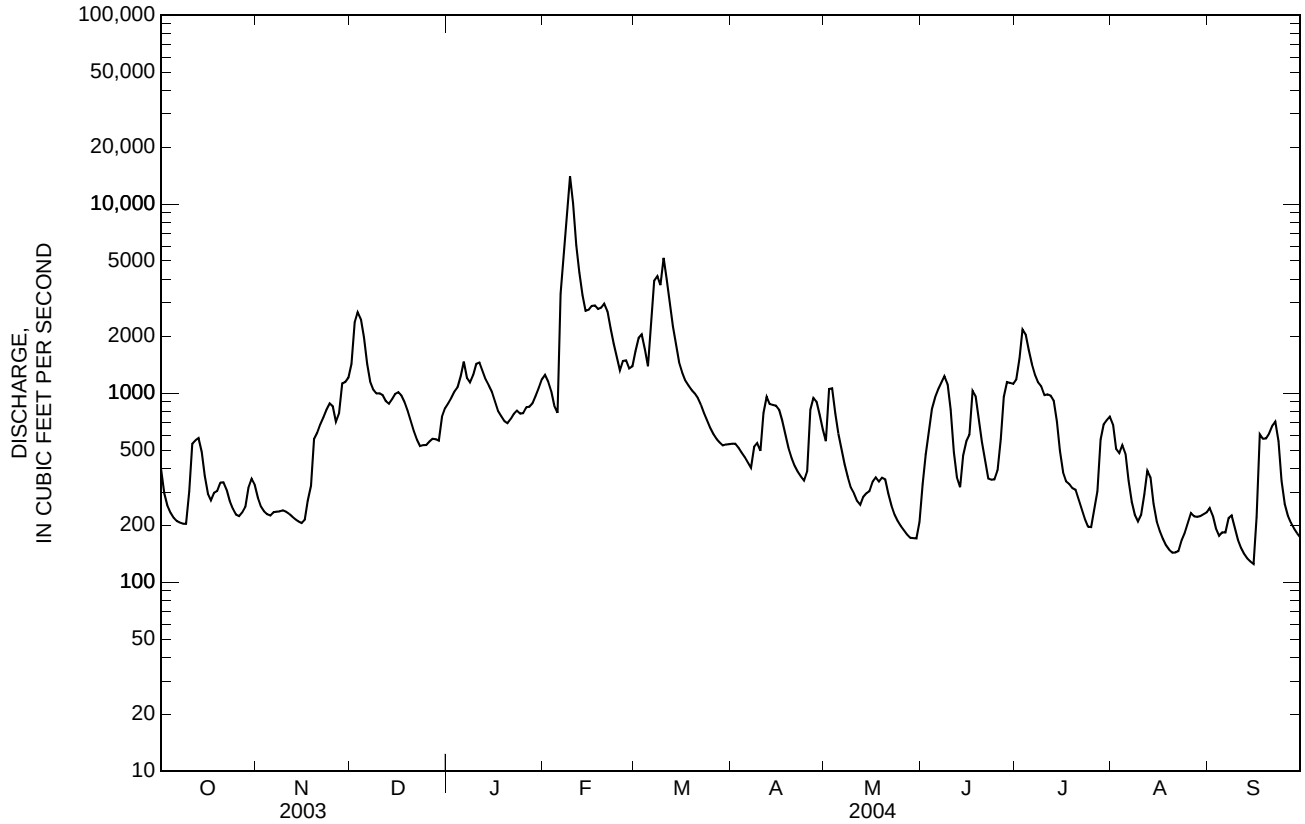
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, BY WATER YEAR (WY)

MEAN	180	458	954	1,405	1,776	1,730	1,462	838	385	323	212	193
MAX	796	3,163	3,955	4,048	4,813	4,390	4,163	4,902	2,177	2,026	1,030	1,307
(WY)	(2003)	(1930)	(1984)	(1949)	(1990)	(1980)	(1979)	(1991)	(1997)	(1940)	(1941)	(1950)
MIN	25.2	69.3	126	133	523	416	239	130	65.6	49.6	28.4	26.6
(WY)	(1955)	(1954)	(1944)	(1956)	(2000)	(1988)	(1986)	(1941)	(1941)	(1954)	(1954)	(1954)

02446500 SIPSEY RIVER NEAR ELROD, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004	
ANNUAL TOTAL	479,306		328,466			
ANNUAL MEAN	1,313		897		819	
HIGHEST ANNUAL MEAN					1,621	1991
LOWEST ANNUAL MEAN					282	1988
HIGHEST DAILY MEAN	11,700	May 21	14,000	Feb 9	23,500	Feb 23, 1961
LOWEST DAILY MEAN	140	Sep 20	125	Sep 15	13	Sep 19, 1954
ANNUAL SEVEN-DAY MINIMUM	150	Sep 15	149	Sep 9	15	Sep 14, 1954
MAXIMUM PEAK FLOW			15,200	Feb 9	27,800	Feb 23, 1961
MAXIMUM PEAK STAGE			16.59	Feb 9	18.83	Feb 23, 1961
ANNUAL RUNOFF (CFSM)	2.49		1.70		1.55	
ANNUAL RUNOFF (INCHES)	33.77		23.14		21.07	
10 PERCENT EXCEEDS	2,830		1,690		1,970	
50 PERCENT EXCEEDS	855		570		382	
90 PERCENT EXCEEDS	237		207		77	

e Estimated



02447025 TOMBIGBEE RIVER AT HEFLIN LOCK AND DAM NEAR GAINESVILLE, AL

LOCATION.--Lat 32° 50'53", long 88° 09'22", in NE $^{1}/_{4}$ 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 mi^2.

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 at NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to October 1, 1999, water-stage recorder at same site at datum 65.00 ft higher.

REMARKS.--Estimated daily discharges: Oct. 9-14; Nov. 7, 17-20; Dec. 3-19; Feb. 6-11. Record fair. Records since Jan. 16, 1985 include diversions from Tennessee River basin through Bay Springs lock on Tennessee Tombigbee Waterway.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, unknown; minimum discharge, 21 ft^3/s, Oct. 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,820	2,210	29,200	14,500	7,890	14,700	3,610	5,120	18,800	50,000	2,720	3,480
2	1,750	4,140	25,000	10,300	6,730	22,200	5,890	8,890	9,840	40,400	4,450	2,980
3	3,630	1,620	e14,700	9,920	8,720	46,100	4,010	6,710	12,200	26,900	5,640	2,480
4	478	3,010	e16,100	8,520	4,620	39,300	4,090	5,740	14,000	21,700	3,660	3,140
5	3,000	2,810	e17,800	16,600	17,500	35,000	4,840	4,640	10,200	16,500	2,450	2,460
6	2,270	2,580	e12,400	19,600	e92,500	55,100	3,810	3,540	7,960	13,600	2,780	2,470
7	2,530	e4,280	e10,500	14,900	e94,600	80,100	4,320	4,170	17,600	15,600	2,430	744
8	1,620	2,970	e8,440	12,300	e88,900	78,700	5,410	2,850	28,100	15,200	585	2,350
9	e1,860	1,740	e7,610	15,200	e97,900	64,100	6,730	2,750	10,100	17,700	1,690	602
10	e5,050	2,760	e13,200	14,900	e76,800	52,400	5,490	2,560	8,000	13,500	1,620	649
11	e4,020	2,630	e14,900	12,100	e43,300	29,900	11,900	1,520	5,440	9,890	1,140	1,920
12	e2,990	788	e13,900	9,390	40,700	19,700	13,500	2,500	4,640	7,660	2,670	997
13	e2,980	2,710	e10,500	9,300	52,800	15,700	16,300	3,330	3,640	5,250	871	7,630
14	e2,960	1,240	e10,300	8,490	39,200	13,200	15,100	722	7,310	3,670	2,130	1,260
15	2,350	1,940	e9,030	6,400	41,300	11,200	11,000	8,740	7,170	6,650	653	1,130
16	2,110	4,360	e8,250	8,880	53,000	17,000	8,930	15,500	6,650	8,810	637	8,020
17	2,260	e7,220	e7,960	5,880	43,800	20,200	6,440	9,050	13,700	6,020	2,060	19,100
18	4,260	e8,530	e6,470	12,200	35,000	14,900	5,440	10,100	11,000	6,890	477	11,500
19	1,600	e21,900	e6,560	16,700	30,100	12,800	6,460	7,560	7,910	6,660	555	7,590
20	4,120	e18,000	4,950	11,800	22,300	11,100	4,370	4,230	7,730	5,690	1,700	5,790
21	2,900	13,300	5,040	10,800	16,900	9,950	3,660	2,480	1,840	3,360	1,820	4,950
22	3,040	11,900	5,370	7,600	15,200	8,170	3,320	3,040	4,030	4,300	3,780	1,800
23	1,250	9,470	5,500	5,040	12,000	5,390	4,440	8,030	3,790	1,810	1,140	2,780
24	1,680	10,600	11,900	6,680	14,800	6,300	3,280	6,410	5,340	3,840	2,710	2,070
25	3,370	13,200	9,620	16,600	13,400	5,200	7,770	2,350	12,600	2,610	3,090	2,700
26	6,160	10,700	7,730	39,000	30,300	5,470	6,800	1,620	30,800	2,880	2,590	2,990
27	11,900	21,200	6,040	28,000	33,000	5,770	5,280	1,090	32,600	2,040	3,260	674
28	4,890	48,800	6,040	22,400	23,800	4,850	5,240	2,570	40,800	742	5,590	1,130
29	5,630	46,300	9,180	22,200	20,800	6,490	4,710	2,220	46,000	2,500	9,090	1,470
30	3,770	29,700	20,900	15,400	---	5,890	5,630	2,410	50,400	2,850	5,690	1,190
31	5,420	---	16,500	9,580	---	5,150	---	12,100	---	3,130	5,300	---
TOTAL	105,668	312,608	351,590	421,180	1,077,860	722,030	197,770	154,542	440,190	328,352	84,978	108,046
MEAN	3,409	10,420	11,340	13,590	37,170	23,290	6,592	4,985	14,670	10,590	2,741	3,602
MAX	11,900	48,800	29,200	39,000	97,900	80,100	16,300	15,500	50,400	50,000	9,090	19,100
MIN	478	788	4,950	5,040	4,620	4,850	3,280	722	1,840	742	477	602
CFSM	0.47	1.44	1.57	1.88	5.14	3.22	0.91	0.69	2.03	1.47	0.38	0.50
IN.	0.54	1.61	1.81	2.17	5.55	3.72	1.02	0.80	2.26	1.69	0.44	0.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2004, BY WATER YEAR (WY)

MEAN	3,215	6,691	15,940	20,130	23,380	22,880	20,640	14,920	8,109	4,541	2,514	2,654
MAX	10,340	17,800	52,060	38,290	55,070	60,760	60,770	85,110	34,660	17,460	9,756	16,710
(WY)	(2003)	(1980)	(1984)	(1989)	(1990)	(1980)	(1983)	(1991)	(1997)	(1989)	(2003)	(1979)
MIN	495	846	2,076	2,481	4,178	6,236	2,537	1,665	757	686	485	371
(WY)	(1979)	(1982)	(2000)	(1981)	(2000)	(1988)	(1986)	(1992)	(1988)	(2000)	(2000)	(2000)

02447025 TOMBIGBEE RIVER AT HEFLIN LOCK AND DAM NEAR GAINESVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1978 - 2004	
ANNUAL TOTAL	5,750,275		4,304,814			
ANNUAL MEAN	15,750		11,760		12,100	
HIGHEST ANNUAL MEAN					24,850	1991
LOWEST ANNUAL MEAN					3,814	1988
HIGHEST DAILY MEAN	124,000	Feb 24	97,900	Feb 9	190,000	Feb 25, 1991
LOWEST DAILY MEAN	402	Sep 2	477	Aug 18	93	Oct 6, 1984
ANNUAL SEVEN-DAY MINIMUM	1,040	Sep 13	1,050	Aug 13	200	Sep 30, 1978
MAXIMUM PEAK FLOW					190,000	Feb 25, 1991
MAXIMUM PEAK STAGE			112.95	Feb 9	120.74	Apr 15, 1979
ANNUAL RUNOFF (CFSM)	2.18		1.63		1.67	
ANNUAL RUNOFF (INCHES)	29.59		22.15		22.75	
10 PERCENT EXCEEDS	38,000		29,400		30,800	
50 PERCENT EXCEEDS	8,250		6,450		5,030	
90 PERCENT EXCEEDS	2,250		1,780		756	

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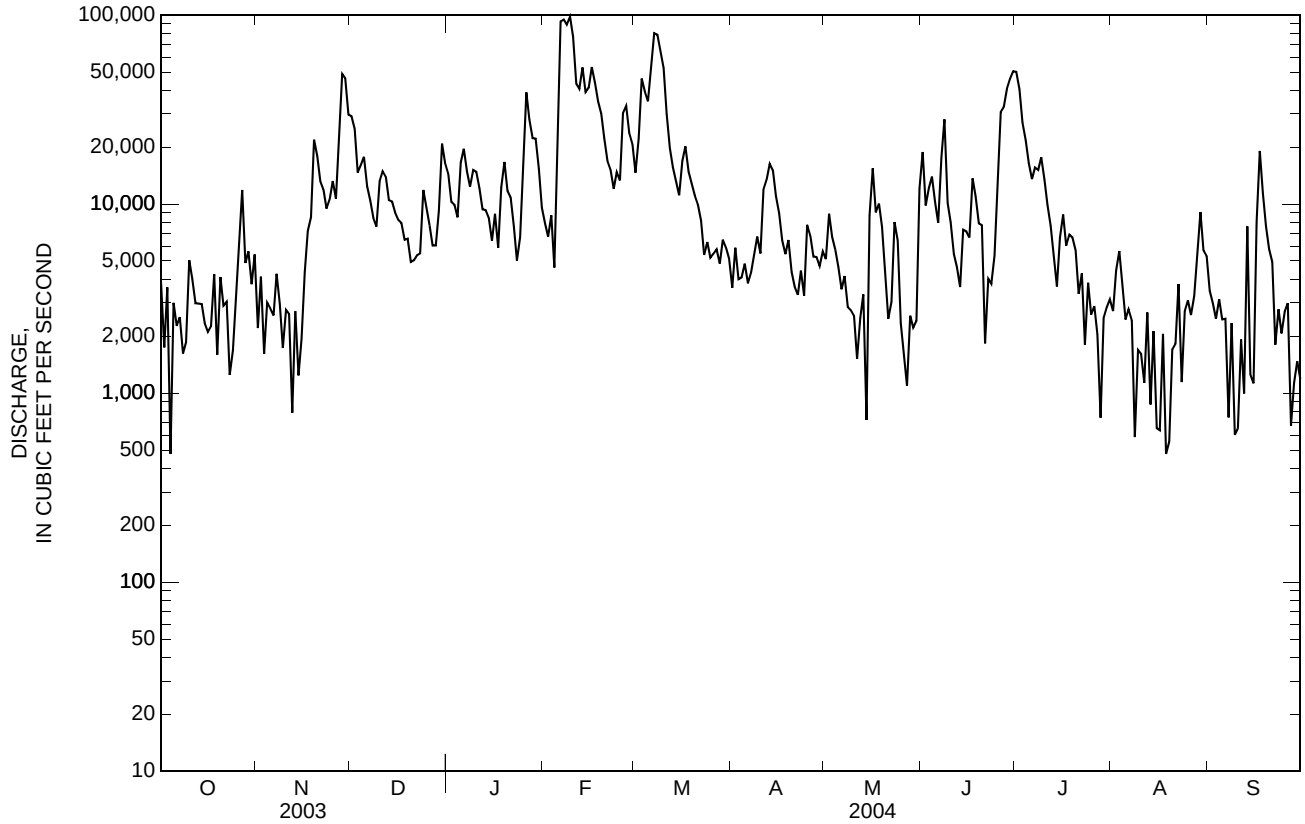


02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32° 55'57", long 88° 17'52", in NE $^1/_4$ 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 mi^2.

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 NGVD of 1929. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi downstream at datum 1.44 ft lower. July 26, 1944 to June 5, 1949, nonrecording gage at 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: Oct. 22-24, Mar. 25-31, Jul. 18-29, Aug. 14-19. Records good except those estimated, which are poor. 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,200 ft^3/s, Feb. 9, gage height, 37.98 ft; minimum discharge, 90 ft^3/s, Sept. 30, gage height, 9.01 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	174	1,950	2,610	1,010	2,690	345	498	483	4,300	1,760	136
2	166	155	1,620	1,750	791	2,620	318	2,470	401	4,970	266	142
3	155	142	1,520	1,520	667	2,650	305	1,270	410	6,150	163	152
4	148	135	1,080	1,180	584	2,750	287	584	397	6,550	130	152
5	144	147	888	3,520	1,580	2,670	273	391	390	5,880	114	150
6	146	168	1,030	5,240	12,600	6,620	265	315	330	5,150	109	131
7	141	161	904	2,640	15,900	8,590	258	286	3,390	4,430	107	121
8	139	190	765	1,500	16,300	8,120	344	257	6,710	2,350	101	118
9	138	169	638	3,050	17,000	7,380	466	231	2,710	1,700	104	118
10	229	138	1,060	3,420	16,100	6,440	416	231	805	2,090	549	121
11	3,020	126	1,520	2,380	13,800	4,880	1,630	230	529	2,140	1,350	121
12	1,450	119	1,160	1,590	12,500	3,130	5,250	212	427	1,970	322	118
13	578	116	882	1,270	10,900	1,710	3,130	214	404	1,680	195	116
14	380	113	929	1,030	9,240	1,070	1,630	213	434	1,110	e182	112
15	355	111	980	853	8,580	823	1,110	261	322	701	e167	111
16	286	112	841	723	8,070	716	883	371	328	500	e157	158
17	280	115	688	639	6,940	715	724	281	1,100	411	e145	1,580
18	262	173	598	1,100	5,710	689	593	308	971	e380	e128	1,950
19	212	971	523	1,360	4,860	682	494	781	761	e345	e119	1,290
20	169	1,360	464	1,090	4,330	680	420	871	714	e315	118	544
21	163	991	412	973	3,970	602	362	655	633	e300	124	325
22	e160	679	367	920	3,010	536	321	557	471	e280	150	253
23	e158	614	368	783	2,000	508	293	461	536	e270	447	209
24	e154	452	1,040	663	2,820	498	271	371	1,270	e260	382	167
25	147	350	1,330	1,440	3,650	e480	386	312	605	e255	905	134
26	193	400	979	4,020	7,690	e455	1,570	254	451	e310	535	113
27	246	2,390	788	4,030	7,550	e430	716	225	383	e350	186	103
28	227	6,170	706	2,680	5,740	e405	452	218	1,280	e450	139	97
29	199	5,510	1,180	2,020	3,640	e550	349	215	2,760	e320	271	93
30	187	3,690	5,120	1,850	---	e500	379	212	3,610	201	375	91
31	184	---	4,440	1,450	---	e400	---	250	---	682	173	---
TOTAL	10,597	26,141	36,770	59,294	207,532	70,989	24,240	14,005	34,015	56,800	9,973	9,026
MEAN	342	871	1,186	1,913	7,156	2,290	808	452	1,134	1,832	322	301
MAX	3,020	6,170	5,120	5,240	17,000	8,590	5,250	2,470	6,710	6,550	1,760	1,950
MIN	138	111	367	639	584	400	258	212	322	201	101	91
CFSM	0.31	0.79	1.08	1.74	6.52	2.09	0.74	0.41	1.03	1.67	0.29	0.27
IN.	0.36	0.89	1.25	2.01	7.04	2.41	0.82	0.47	1.15	1.93	0.34	0.31

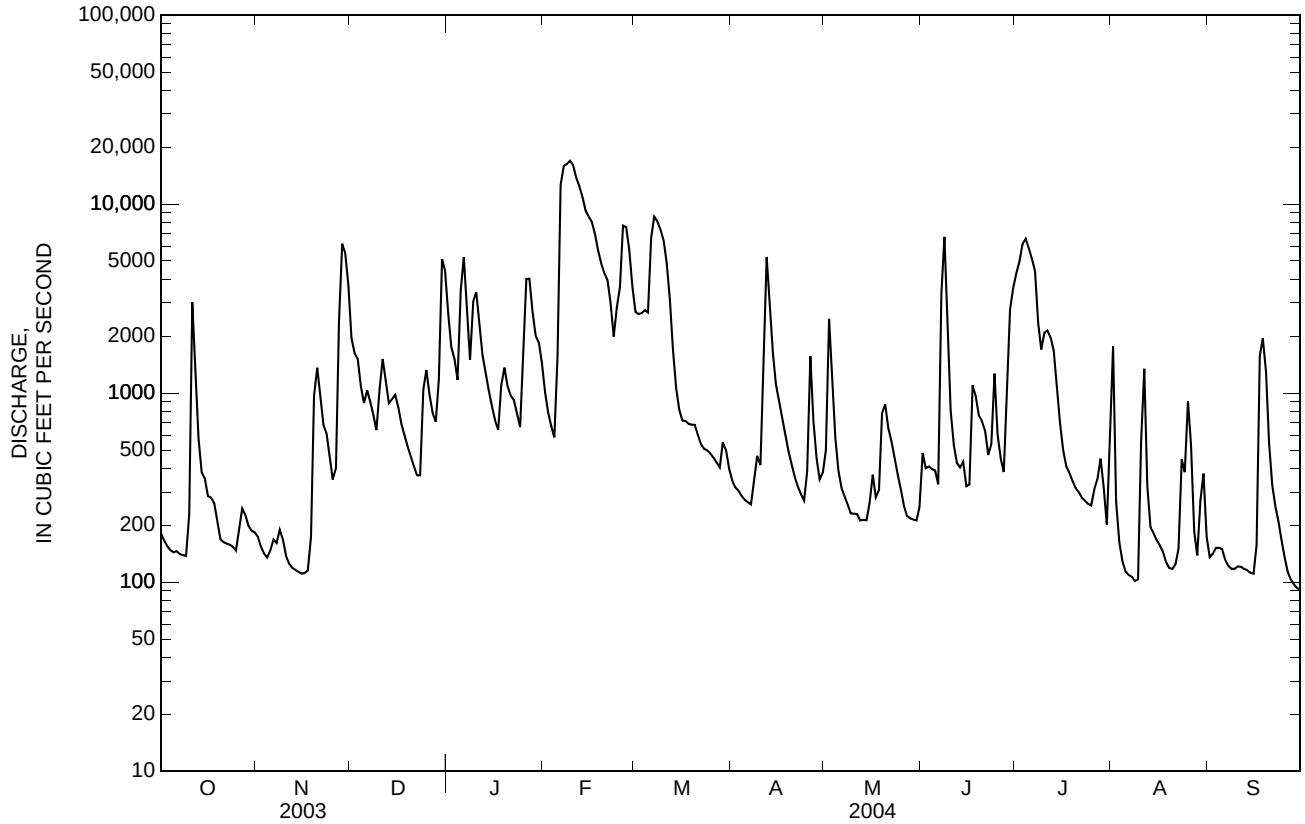
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	319	643	1,667	2,924	3,586	3,415	3,092	1,359	612	653	312	321
MAX	2,517	2,998	9,407	9,782	9,415	9,230	17,520	10,340	2,794	7,432	2,064	3,067
(WY)	(2003)	(2003)	(1962)	(1949)	(1983)	(1980)	(1979)	(1991)	(1997)	(1940)	(1946)	(1950)
MIN	31.0	49.5	105	91.1	210	455	180	107	61.3	62.8	34.1	27.5
(WY)	(1955)	(1955)	(1963)	(1956)	(2000)	(2000)	(1963)	(1965)	(1988)	(1952)	(1954)	(1954)

02448500 NOXUBEE RIVER NEAR GEIGER, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	762,540		559,382			
ANNUAL MEAN	2,089		1,528		1,563	
HIGHEST ANNUAL MEAN					3,967	1983
LOWEST ANNUAL MEAN					327	1963
HIGHEST DAILY MEAN	21,000	Feb 26	17,000	Feb 9	136,000	Apr 14, 1979
LOWEST DAILY MEAN	111	Nov 15	91	Sep 30	22	Sep 24, 1954
ANNUAL SEVEN-DAY MINIMUM	116	Nov 11	114	Sep 24	23	Sep 23, 1954
MAXIMUM PEAK FLOW			17,200	Feb 9	156,000	Apr 14, 1979
MAXIMUM PEAK STAGE			37.98	Feb 9	48.58	Apr 14, 1979
ANNUAL RUNOFF (CFSM)	1.90		1.39		1.42	
ANNUAL RUNOFF (INCHES)	25.86		18.97		19.36	
10 PERCENT EXCEEDS	6,210		4,360		4,920	
50 PERCENT EXCEEDS	689		499		356	
90 PERCENT EXCEEDS	167		138		77	

e Estimated



02448900 BODKA CREEK NEAR GEIGER, AL

LOCATION.--Lat 32° 48'25", long 88° 18'43", in SE $^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 104.78 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good except those below 5 ft^3/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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	2030	*17,200	*23.41	No other peak greater than base discharge.			

Minimum discharge, 0.36 ft^3/s, Oct. 2, 3, gage height, 3.29 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

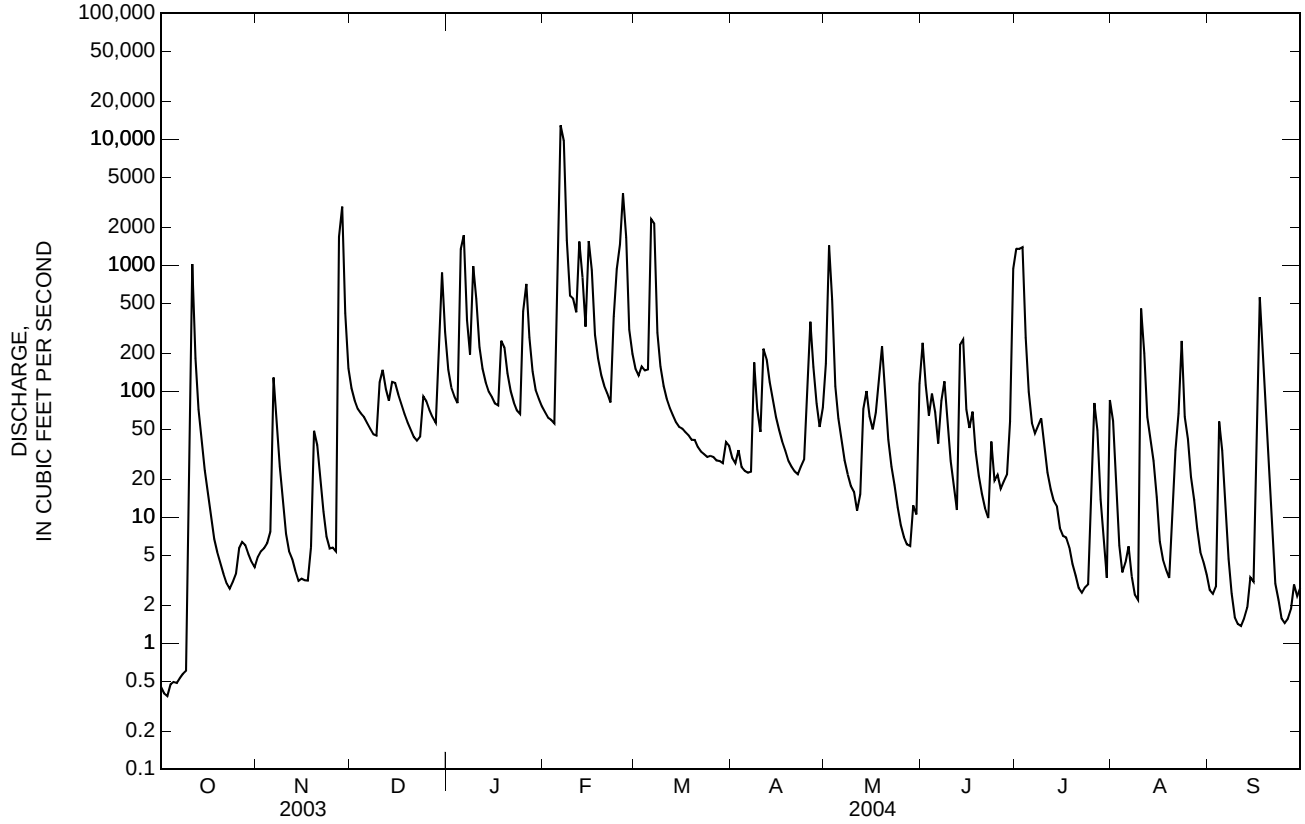
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.45	4.8	106	148	68	151	29	165	242	1,350	58	2.6
2	0.40	5.4	84	107	62	133	27	1,430	112	1,340	16	2.5
3	0.38	5.7	72	91	59	157	34	538	64	1,390	6.0	2.8
4	0.47	6.2	67	80	56	146	25	110	95	266	3.7	57
5	0.49	7.7	62	1,340	654	148	23	61	68	99	4.4	34
6	0.48	128	56	1,720	12,800	2,320	23	41	38	56	5.9	14
7	0.53	59	50	368	9,710	2,140	23	28	84	46	3.4	4.7
8	0.57	25	46	196	1,570	291	169	22	120	53	2.4	2.5
9	0.61	14	44	981	573	157	72	18	56	61	2.2	1.6
10	18	7.4	118	540	544	110	48	16	28	36	452	1.4
11	1,020	5.4	148	223	422	87	217	11	18	23	200	1.4
12	183	4.7	104	151	1,540	74	179	15	11	17	62	1.6
13	72	3.8	84	118	799	65	118	72	235	14	41	1.9
14	40	3.1	118	99	325	57	84	100	257	12	28	3.3
15	24	3.3	116	90	1,550	52	63	63	72	8.2	14	3.1
16	16	3.2	94	80	914	51	49	50	51	7.1	6.4	94
17	11	3.1	79	77	280	47	40	68	69	6.9	4.6	556
18	6.7	5.8	66	251	182	45	34	119	33	5.8	3.9	176
19	5.3	48	57	222	134	41	28	227	21	4.3	3.3	47
20	4.3	37	49	138	110	41	25	86	15	3.5	10	18
21	3.6	20	43	100	96	36	23	41	12	2.7	34	6.8
22	3.0	11	41	81	81	33	22	25	9.9	2.5	66	3.0
23	2.7	7.0	44	70	388	32	25	18	40	2.8	250	2.2
24	3.1	5.7	91	66	929	30	29	12	20	2.9	63	1.6
25	3.5	5.7	84	431	1,460	31	110	8.7	22	21	42	1.4
26	5.7	5.4	71	709	3,710	30	356	7.0	17	81	21	1.6
27	6.4	1,680	62	267	1,660	28	156	6.1	19	49	14	1.9
28	6.0	2,910	56	144	307	28	80	5.9	22	14	8.1	2.9
29	5.1	417	191	102	198	27	52	12	57	6.8	5.3	2.4
30	4.4	151	872	87	---	40	74	11	937	3.3	4.4	2.7
31	4.0	---	296	76	---	37	---	115	---	85	3.5	---
TOTAL	1,452.18	5,593.4	3,471	9,153	41,181	6,665	2,237	3,501.7	2,844.9	5,069.8	1,438.5	1,051.9
MEAN	46.8	186	112	295	1,420	215	74.6	113	94.8	164	46.4	35.1
MAX	1,020	2,910	872	1,720	12,800	2,320	356	1,430	937	1,390	452	556
MIN	0.38	3.1	41	66	56	27	22	5.9	9.9	2.5	2.2	1.4
CFSM	0.30	1.18	0.71	1.87	8.99	1.36	0.47	0.71	0.60	1.04	0.29	0.22
IN.	0.34	1.32	0.82	2.16	9.70	1.57	0.53	0.82	0.67	1.19	0.34	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	59.2	94.8	234	507	590	433	394	149	90.3	54.9	34.6	36.9
MAX	358	335	631	1,561	1,420	867	1,222	1,296	377	286	150	320
(WY)	(2003)	(1993)	(2003)	(1998)	(2004)	(1996)	(2003)	(1991)	(1997)	(2003)	(1992)	(2002)
MIN	0.00	0.13	0.93	29.8	19.2	48.7	34.6	0.33	0.66	0.28	0.00	0.00
(WY)	(1991)	(2000)	(2000)	(2000)	(2000)	(1992)	(2002)	(2000)	(2000)	(2000)	(2000)	(2000)

02448900 BODKA CREEK NEAR GEIGER, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1991 - 2004	
ANNUAL TOTAL	114,490.59		83,659.38			
ANNUAL MEAN	314		229		221	
HIGHEST ANNUAL MEAN					378	2003
LOWEST ANNUAL MEAN					52.7	2000
HIGHEST DAILY MEAN	10,000	Apr 25	12,800	Feb 6	16,000	Jan 8, 1998
LOWEST DAILY MEAN	0.38	Oct 3	0.38	Oct 3	0.00	Oct 1, 1990
ANNUAL SEVEN-DAY MINIMUM	0.45	Sep 30	0.46	Oct 1	0.00	Oct 1, 1990
MAXIMUM PEAK FLOW			17,200	Feb 6	21,900	Jan 8, 1998
MAXIMUM PEAK STAGE			23.41	Feb 6	24.20	Jan 8, 1998
ANNUAL RUNOFF (CFSM)	1.99		1.45		1.40	
ANNUAL RUNOFF (INCHES)	26.96		19.70		19.03	
10 PERCENT EXCEEDS	632		397		450	
50 PERCENT EXCEEDS	36		44		16	
90 PERCENT EXCEEDS	3.4		3.1		0.20	



02449840 DUCK RIVER NEAR BERLIN, AL

LOCATION.--Lat 34° 10'19", long 86° 41'42", in NE $^1/_4$ 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 mi^2.

PERIOD OF RECORD.--Nov. 29, 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 600 ft above NGVD of 1929, from topographic map.

REMARKS.--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 OF RECORD.--Maximum gage height, 13.17 ft, Apr. 3, 2000; minimum, not determined, stream has periods of no flow.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.53 ft, Feb. 6; minimum gage height, 2.27 ft, Aug. 20.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.62	3.46	4.15	4.37	4.25	4.37	4.01	3.82	3.90	4.22	3.67	3.56
2	3.59	3.45	4.07	4.32	4.22	4.70	3.95	4.29	3.76	4.63	3.62	3.51
3	3.58	3.45	4.04	4.30	4.22	4.71	3.91	4.05	3.70	4.36	---	3.48
4	3.57	3.46	4.28	4.28	4.16	4.59	3.88	3.91	3.67	4.35	3.53	3.49
5	3.60	3.50	4.29	5.51	4.22	4.57	3.85	3.84	3.63	---	3.51	3.47
6	3.61	3.55	4.24	4.99	8.02	6.80	3.84	3.79	3.58	4.16	3.45	3.41
7	3.70	3.57	4.17	4.73	5.23	5.07	3.83	3.73	3.56	4.35	3.26	3.28
8	3.69	3.54	4.13	4.59	4.88	4.78	3.84	3.69	3.63	4.23	3.08	3.36
9	3.65	3.51	4.09	4.59	4.71	4.63	3.82	3.65	3.66	4.11	2.95	3.18
10	3.65	3.51	4.50	4.46	4.62	4.50	3.79	3.62	3.56	4.00	2.80	3.05
11	3.66	3.52	4.47	4.39	4.56	4.42	3.87	3.59	3.51	---	2.76	3.02
12	3.64	3.55	4.35	4.33	4.97	4.35	3.95	3.58	3.45	---	2.80	2.90
13	3.63	3.57	4.29	4.29	4.76	4.29	---	3.76	3.44	3.97	2.77	2.79
14	3.66	3.54	4.43	4.25	4.65	4.25	4.22	---	3.45	3.88	2.69	2.67
15	3.61	3.51	4.35	4.22	5.14	4.27	4.10	---	3.53	3.88	2.60	2.60
16	3.57	3.71	4.31	4.17	4.90	4.32	4.03	---	3.73	3.81	2.50	3.56
17	3.59	3.99	4.30	4.15	4.73	4.21	3.97	---	3.85	3.81	2.44	4.92
18	3.64	3.97	4.25	4.28	4.60	4.17	3.93	3.71	3.66	3.81	2.39	4.30
19	3.66	4.21	4.20	4.22	4.51	4.13	3.89	3.66	3.59	3.74	2.32	4.09
20	3.63	3.95	4.15	4.15	4.46	4.09	3.86	3.62	3.52	3.69	2.30	3.97
21	3.63	3.85	4.10	4.12	4.39	4.06	3.84	3.58	3.46	3.65	2.33	3.90
22	3.63	3.80	4.09	4.10	4.31	4.00	3.82	3.54	3.43	3.62	2.33	3.86
23	3.59	3.77	4.11	4.07	4.28	3.98	3.79	3.51	3.39	3.61	2.34	3.81
24	3.59	3.77	4.16	4.07	4.26	---	3.75	3.48	3.43	3.60	2.57	---
25	3.57	3.79	4.09	4.90	4.26	3.94	---	3.44	3.64	3.61	2.61	3.76
26	3.59	3.77	4.05	4.90	4.70	3.93	---	3.40	3.92	3.69	2.54	3.73
27	3.59	4.37	4.02	4.68	4.55	3.92	3.76	3.37	4.67	4.12	2.50	---
28	3.57	4.56	4.01	4.52	4.46	3.90	3.68	3.39	4.60	3.85	2.86	3.69
29	3.53	4.36	4.09	4.44	4.40	3.92	3.66	3.53	4.43	3.73	3.80	3.67
30	3.53	4.23	4.66	4.38	---	4.03	3.76	3.59	4.22	3.68	3.66	3.65
31	3.49	---	4.46	4.32	---	4.05	---	4.08	---	3.69	3.62	---
MEAN	3.61	3.76	4.22	4.42	4.67	---	---	---	3.72	---	---	---
MAX	3.70	4.56	4.66	5.51	8.02	---	---	---	4.67	---	---	---
MIN	3.49	3.45	4.01	4.07	4.16	---	---	---	3.39	---	---	---

CAL YR 2003 MEAN 4.01 MAX 6.98 MIN 2.13

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 mi^2.

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 NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 9, Nov. 18, 19, May 18-20, Jun. 13-21, Jul 6, 7, 25, 26. 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.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0515	*1,230	*8.23	Sep 16	1915	671	6.66
Mar 6	0315	813	7.07				

Minimum discharge, 0.40 ft^3/s, Sept. 14, gage height, 1.21 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	1.5	4.3	10	11	17	6.6	6.1	6.7	9.2	2.1	0.70
2	2.2	1.6	3.6	8.8	11	27	6.3	11	4.5	9.2	1.5	0.87
3	3.1	1.8	3.5	7.4	10	22	6.8	6.0	3.7	6.8	1.4	0.77
4	2.9	1.9	6.0	6.4	9.0	20	7.1	5.0	3.4	7.0	1.3	0.98
5	3.4	1.4	4.3	49	96	19	6.6	4.5	3.1	5.5	1.3	0.66
6	3.0	1.6	3.8	29	687	338	5.8	3.9	2.7	e7.7	1.1	0.70
7	2.6	1.3	3.4	20	104	68	5.2	3.3	2.7	e12	1.1	2.6
8	2.3	1.2	3.3	16	55	45	5.4	2.6	3.0	5.5	1.3	1.8
9	e2.1	1.4	3.1	17	40	35	4.9	2.8	2.4	4.6	0.97	0.98
10	2.2	1.4	13	13	35	29	4.7	2.5	2.3	4.3	0.87	0.65
11	2.0	1.4	7.1	11	32	25	7.1	2.2	2.1	3.8	1.1	0.82
12	1.9	1.4	5.8	10	63	21	7.2	2.2	2.1	4.2	1.3	0.91
13	1.9	1.0	6.3	9.4	41	18	23	3.2	e2.4	3.8	1.2	0.71
14	1.9	0.95	11	8.8	34	16	12	2.6	e2.4	5.3	0.87	1.5
15	1.8	0.93	7.4	7.9	115	16	9.9	2.7	e2.4	3.8	0.90	2.7
16	1.7	2.4	6.7	7.0	60	18	8.1	2.8	e5.6	2.8	0.92	164
17	2.1	1.3	6.2	6.9	44	14	6.6	2.6	e6.9	2.7	0.88	49
18	2.0	e1.8	5.3	9.8	34	13	5.8	e2.7	e4.6	2.5	0.80	13
19	1.8	e3.0	4.8	7.6	29	12	5.7	e2.7	e3.9	2.2	0.83	7.6
20	1.6	1.9	4.3	6.6	25	12	6.7	e2.2	e3.8	2.5	5.1	5.7
21	1.5	1.7	4.0	6.2	21	11	6.4	2.0	e3.3	3.0	2.0	4.8
22	1.3	1.6	3.9	5.9	19	9.5	5.9	1.9	3.3	1.8	6.2	4.0
23	1.3	1.6	5.1	5.6	17	8.8	4.8	1.9	3.0	1.8	1.7	3.6
24	1.3	2.1	5.0	5.9	16	8.3	3.8	1.8	14	1.6	1.2	2.9
25	1.2	1.5	4.0	64	18	8.7	3.9	1.6	11	e1.5	1.8	2.2
26	1.3	1.4	3.8	47	39	8.9	6.4	1.5	7.7	e6.0	1.5	1.8
27	1.4	27	3.6	28	23	8.5	4.1	1.5	76	4.0	1.1	1.6
28	1.5	11	3.8	20	20	8.0	3.5	1.8	29	2.2	0.86	1.4
29	1.6	6.4	13	17	19	8.1	3.6	2.4	15	1.9	0.87	1.3
30	1.6	4.7	19	14	---	8.0	5.8	1.6	11	1.9	0.69	1.2
31	1.5	---	12	13	---	7.3	---	30	---	1.9	0.52	---
TOTAL	60.2	90.18	190.4	488.2	1,727.0	880.1	199.7	121.6	244.0	133.0	45.28	281.45
MEAN	1.94	3.01	6.14	15.7	59.6	28.4	6.66	3.92	8.13	4.29	1.46	9.38
MAX	3.4	27	19	64	687	338	23	30	76	12	6.2	164
MIN	1.2	0.93	3.1	5.6	9.0	7.3	3.5	1.5	2.1	1.5	0.52	0.65
CFSM	0.15	0.23	0.47	1.21	4.58	2.18	0.51	0.30	0.63	0.33	0.11	0.72
IN.	0.17	0.26	0.54	1.40	4.94	2.52	0.57	0.35	0.70	0.38	0.13	0.81

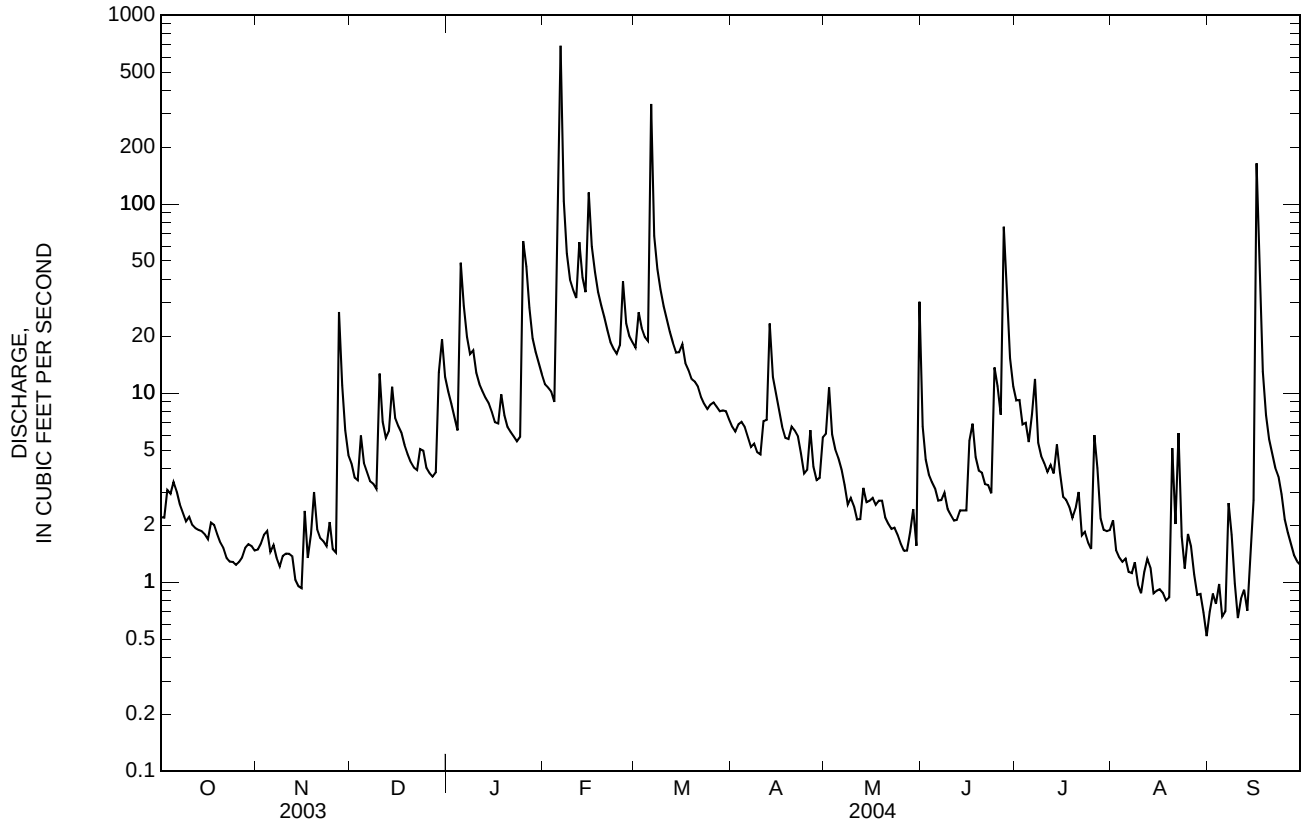
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	8.19	9.11	17.1	39.2	42.7	45.7	32.1	18.2	14.7	7.09	3.06	7.56
MAX	35.7	30.3	38.2	75.3	73.6	87.2	71.8	51.8	86.3	22.3	8.76	49.2
(WY)	(1996)	(1996)	(2003)	(1998)	(1998)	(2001)	(1998)	(1997)	(1997)	(1997)	(1996)	(1996)
MIN	0.29	0.49	0.98	3.16	5.16	28.3	6.66	3.92	2.18	0.74	0.26	0.43
(WY)	(2001)	(1999)	(2000)	(2000)	(2000)	(1999)	(2004)	(2004)	(2000)	(2000)	(2000)	(2000)

02449882 BLUE SPRINGS CREEK NEAR BLOUNTSVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	7,434.68		4,461.11			
ANNUAL MEAN	20.4		12.2		20.3	
HIGHEST ANNUAL MEAN					30.1	1997
LOWEST ANNUAL MEAN					9.64	2000
HIGHEST DAILY MEAN	586	Feb 27	687	Feb 6	1,040	Jan 7, 1998
LOWEST DAILY MEAN	0.93	Nov 15	0.52	Aug 31	0.00	Oct 14, 2000
ANNUAL SEVEN-DAY MINIMUM	1.2	Nov 9	0.74	Aug 30	0.05	Aug 20, 2000
MAXIMUM PEAK FLOW			1,230	Feb 6	2,470	May 3, 1997
MAXIMUM PEAK STAGE			8.23	Feb 6	11.37	May 3, 1997
ANNUAL RUNOFF (CFSM)	1.57		0.938		1.56	
ANNUAL RUNOFF (INCHES)	21.27		12.77		21.19	
10 PERCENT EXCEEDS	40		23		41	
50 PERCENT EXCEEDS	8.3		4.0		7.2	
90 PERCENT EXCEEDS	1.7		1.3		0.96	

e Estimated



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 mi^2.

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 NGVD of 1929. Prior to Dec. 5, 1939, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Dec. 12-15, 17, 18, and Mar 29 - Apr. 8. 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.--Peak discharges greater than base discharge of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0900	*36,500	*19.08	Mar 6	0815	19,900	14.62

Minimum discharge, 16 ft^3/s, Aug. 18, 19, 20, Sept. 15, 16, gage height, 2.36 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	32	213	536	535	723	e300	190	382	376	138	61
2	57	31	168	457	478	1,100	e270	450	194	674	94	53
3	49	33	149	410	461	1,460	e240	367	127	632	74	44
4	46	32	237	375	411	1,100	e210	245	100	576	63	33
5	44	36	334	3,300	688	949	e190	191	83	429	55	30
6	47	36	291	2,560	22,700	10,100	e180	156	70	308	48	29
7	48	38	245	1,380	5,000	3,730	e174	128	62	387	43	25
8	47	40	210	1,020	2,810	2,270	e180	107	57	400	35	26
9	47	33	186	1,010	1,970	1,610	160	94	56	320	31	24
10	49	31	404	818	1,580	1,210	144	85	56	237	27	26
11	51	31	606	658	1,310	980	170	77	46	183	26	27
12	48	32	e434	581	3,020	831	239	73	41	151	26	23
13	44	32	e386	524	2,200	705	556	177	42	271	25	19
14	45	35	e441	477	1,620	622	526	241	53	188	23	17
15	40	36	e482	441	3,390	583	377	196	47	142	21	16
16	41	34	379	388	2,890	661	312	208	62	129	19	502
17	41	141	e393	354	1,890	594	268	191	162	113	18	3,800
18	39	120	e363	420	1,380	492	232	170	96	103	17	851
19	43	353	294	479	1,130	440	203	144	75	98	16	467
20	40	202	261	374	984	392	180	115	63	80	18	322
21	39	119	228	330	847	360	164	92	49	69	21	248
22	40	84	207	307	710	323	152	79	42	62	25	201
23	36	67	201	290	633	289	145	71	64	56	31	167
24	39	62	258	276	580	267	129	65	92	50	26	142
25	35	74	233	1,850	560	253	117	58	287	46	30	123
26	34	63	196	2,450	1,750	242	151	53	236	237	30	108
27	31	496	179	1,440	1,190	227	146	48	1,600	673	33	98
28	31	718	166	1,020	927	214	117	46	1,370	250	25	89
29	32	429	184	826	803	e227	99	48	825	145	83	83
30	38	282	953	719	---	e324	125	79	540	101	147	74
31	36	---	699	613	---	e339	---	612	---	93	94	---
TOTAL	1,319	3,752	9,980	26,683	64,447	33,617	6,456	4,856	6,979	7,579	1,362	7,728
MEAN	42.5	125	322	861	2,222	1,084	215	157	233	244	43.9	258
MAX	62	718	953	3,300	22,700	10,100	556	612	1,600	674	147	3,800
MIN	31	31	149	276	411	214	99	46	41	46	16	16
CFSM	0.12	0.34	0.88	2.36	6.09	2.97	0.59	0.43	0.64	0.67	0.12	0.71
IN.	0.13	0.38	1.02	2.72	6.57	3.43	0.66	0.49	0.71	0.77	0.14	0.79

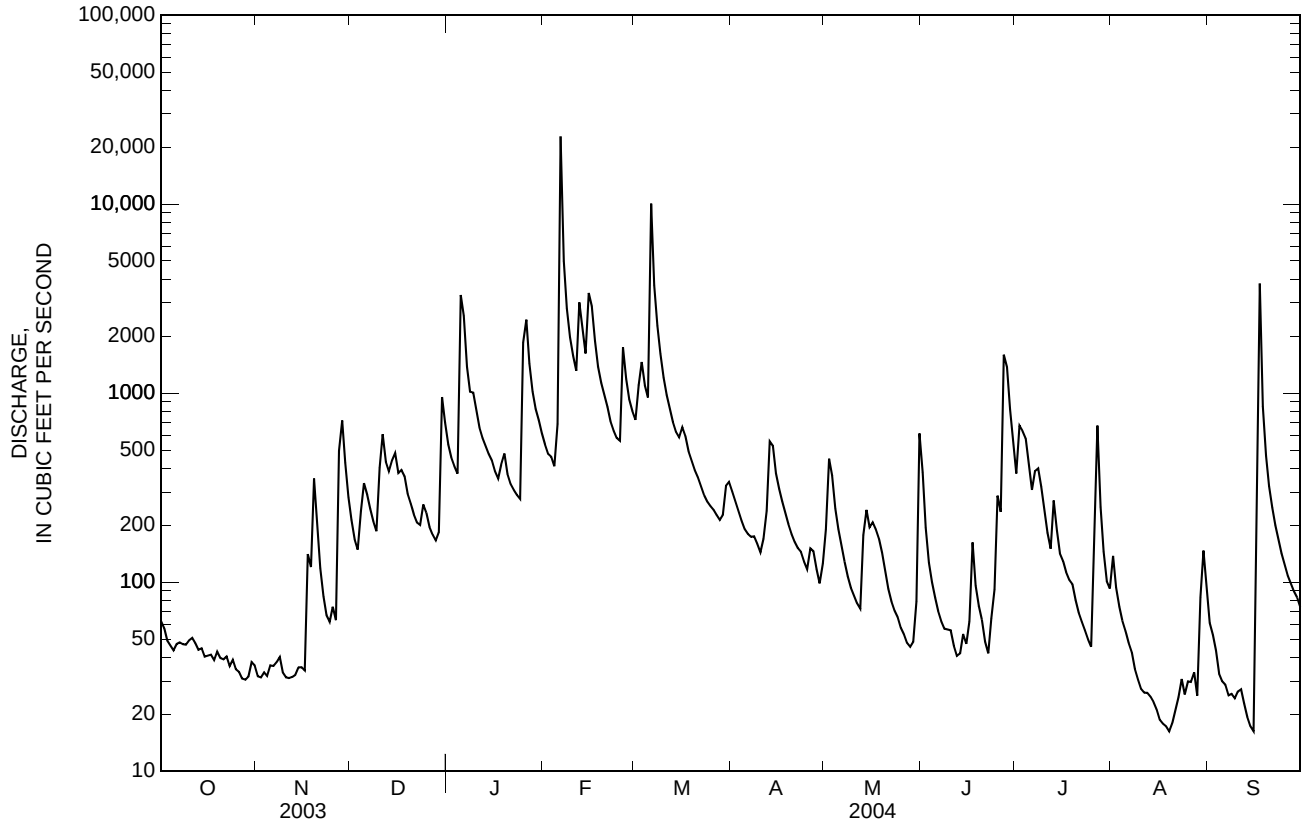
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	171	376	807	1,385	1,550	1,515	1,046	555	265	278	159	138
MAX	1,098	3,594	3,598	3,425	4,484	4,444	3,441	2,351	2,839	1,623	1,391	807
(WY)	(1978)	(1930)	(1933)	(1982)	(1990)	(1980)	(1964)	(2003)	(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)

02450000 MULBERRY FORK NEAR GARDEN CITY, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	269,386		174,758			
ANNUAL MEAN	738		477		683	
HIGHEST ANNUAL MEAN					1,063	1973
LOWEST ANNUAL MEAN					280	1986
HIGHEST DAILY MEAN	12,400	Feb 22	22,700	Feb 6	45,900	Feb 16, 1990
LOWEST DAILY MEAN	26	Sep 19	16	Aug 19	3.0	Sep 28, 1931
ANNUAL SEVEN-DAY MINIMUM	27	Sep 15	19	Aug 15	3.1	Sep 28, 1931
MAXIMUM PEAK FLOW			36,500	Feb 6	66,500	Feb 16, 1990
MAXIMUM PEAK STAGE			19.08	Feb 6	25.04	Feb 16, 1990
ANNUAL RUNOFF (CFSM)	2.02		1.31		1.87	
ANNUAL RUNOFF (INCHES)	27.46		17.81		25.43	
10 PERCENT EXCEEDS	1,690		992		1,620	
50 PERCENT EXCEEDS	294		176		232	
90 PERCENT EXCEEDS	38		32		20	

e Estimated



02450180 MULBERRY FORK NEAR ARKADELPHIA, AL

LOCATION--Lat 33° 52'00", long 86° 55'20", in NE $^1/_4$ 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 mi^2.

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 NGVD of 1929.

REMARKS.--Estimated daily discharges: Oct. 9, Jan. 27, 28, Feb. 18, Apr.2-5, 8-12, May 14-17, 20, 21, 24, 25, June 12 - July 1, July 5-14. 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 FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	2330	*25,000	*33.15	Mar 6	1845	11,300	24.40

Minimum discharge, 27 ft^3/s, Aug. 20, gage height, 0.75 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	37	307	749	642	1,040	387	404	847	e974	200	112
2	64	38	241	629	595	1,100	e342	648	436	788	181	77
3	76	35	200	562	561	1,890	e307	662	297	1,060	138	99
4	53	36	210	520	527	1,500	e278	425	246	1,010	111	102
5	47	36	408	2,150	714	1,290	e252	315	195	e738	97	59
6	46	39	395	3,520	16,700	7,870	224	258	160	e578	88	50
7	49	44	334	1,750	18,200	6,410	209	213	137	e642	72	48
8	50	40	280	1,270	4,800	2,850	e240	177	123	e772	65	48
9	e50	44	251	1,180	2,460	2,030	e260	158	109	e625	57	42
10	49	40	307	1,070	1,960	1,580	e262	145	104	e431	58	38
11	52	37	781	825	1,720	1,290	e361	104	96	e338	49	39
12	53	35	611	710	3,060	1,090	e472	92	e92	e323	46	42
13	50	37	488	640	2,850	936	625	141	e92	e354	45	39
14	48	49	525	587	2,090	803	854	e265	e103	e289	40	33
15	46	35	626	545	3,020	725	595	e249	e134	258	37	29
16	43	44	525	489	3,840	768	475	e247	e192	212	37	406
17	43	63	503	438	2,430	765	398	e241	e261	247	33	4,060
18	44	158	471	451	e1,870	633	336	220	e295	190	31	1,490
19	42	303	404	583	1,540	569	288	257	e272	171	29	713
20	44	303	353	491	1,340	512	255	e167	e231	150	29	486
21	42	176	309	409	1,160	461	229	e126	e168	123	39	356
22	40	120	273	372	980	413	210	109	e147	104	39	284
23	40	89	260	349	858	373	194	89	e240	90	41	235
24	40	76	296	326	786	339	182	e80	e776	84	46	201
25	39	69	325	1,250	757	318	162	e71	e1,200	76	42	175
26	38	83	272	3,170	1,980	299	176	61	e1,060	201	48	152
27	36	228	240	e2,180	1,880	283	214	56	e1,460	842	46	133
28	34	1,020	222	e1,300	1,410	266	171	54	e2,040	501	57	117
29	31	648	232	1,060	1,180	264	142	75	e1,680	281	50	107
30	31	426	1,030	915	---	378	152	74	e1,280	198	124	99
31	37	---	1,040	779	---	428	---	869	---	167	196	---
TOTAL	1,426	4,388	12,719	31,269	81,910	39,473	9,252	7,052	14,473	12,817	2,171	9,871
MEAN	46.0	146	410	1,009	2,824	1,273	308	227	482	413	70.0	329
MAX	76	1,020	1,040	3,520	18,200	7,870	854	869	2,040	1,060	200	4,060
MIN	31	35	200	326	527	264	142	54	92	76	29	29
CFSM	0.09	0.30	0.84	2.07	5.80	2.61	0.63	0.47	0.99	0.85	0.14	0.68
IN.	0.11	0.34	0.97	2.39	6.26	3.02	0.71	0.54	1.11	0.98	0.17	0.75

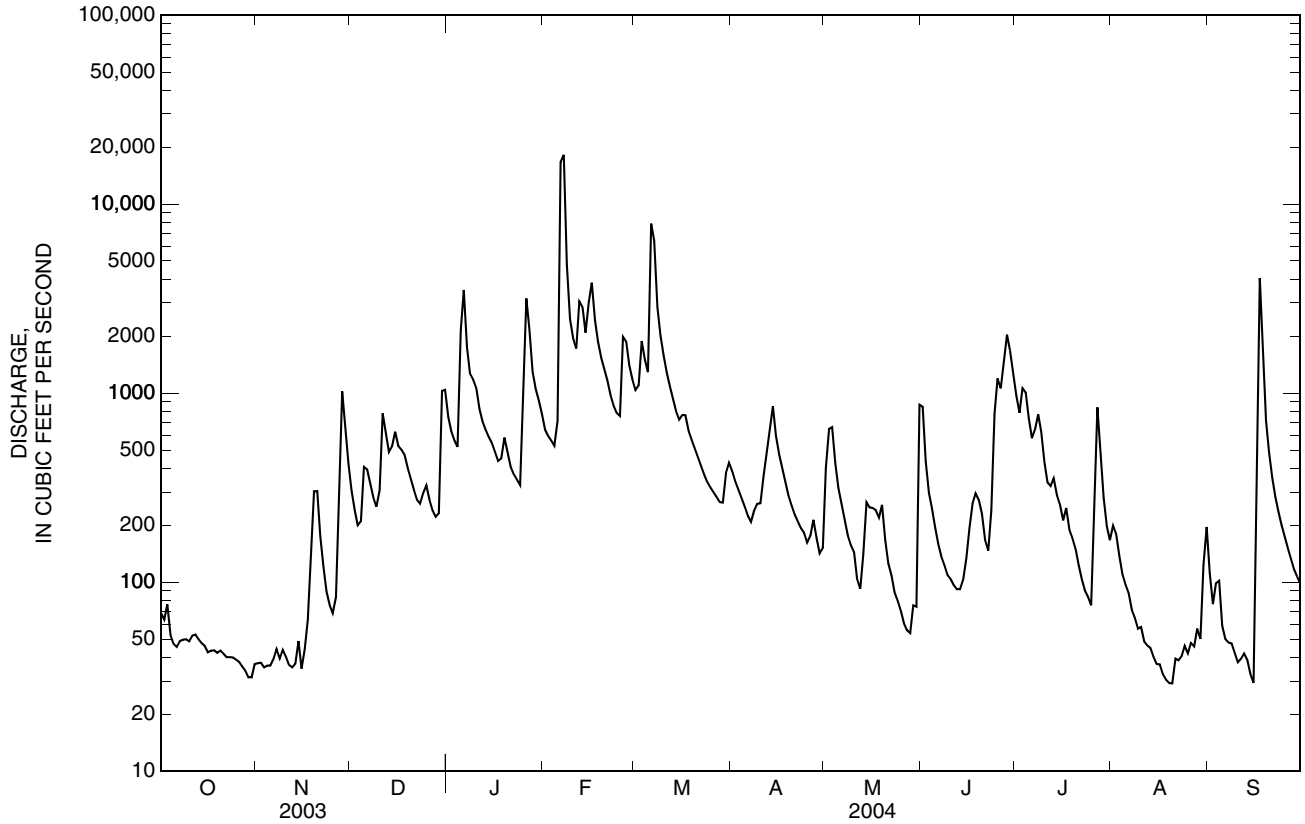
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	314	572	1,016	1,654	1,877	1,944	1,417	809	437	287	121	207
MAX	1,973	2,375	2,635	3,188	6,623	5,629	3,809	2,704	3,104	2,005	657	802
(WY)	(1978)	(1978)	(1984)	(1982)	(1990)	(1980)	(1979)	(2003)	(1997)	(1989)	(1985)	(2001)
MIN	20.3	21.7	76.1	201	486	622	185	151	41.8	33.3	24.1	20.6
(WY)	(1992)	(1979)	(2000)	(1981)	(2000)	(1985)	(1986)	(1992)	(1977)	(1977)	(1990)	(1978)

02450180 MULBERRY FORK NEAR ARKADELPHIA, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	318,268		226,821			
ANNUAL MEAN	872		620		883	
HIGHEST ANNUAL MEAN					1,305	1980
LOWEST ANNUAL MEAN					368	1986
HIGHEST DAILY MEAN	10,100	Feb 22	18,200	Feb 7	44,000	Feb 16, 1990
LOWEST DAILY MEAN	27	Sep 17	29	Aug 19	13	Aug 15, 1977
ANNUAL SEVEN-DAY MINIMUM	28	Sep 15	34	Aug 15	15	Sep 11, 1980
MAXIMUM PEAK FLOW			25,000	Feb 6	51,700	Feb 16, 1990
MAXIMUM PEAK STAGE			33.15	Feb 6	42.90	Feb 16, 1990
ANNUAL RUNOFF (CFSM)	1.79		1.27		1.81	
ANNUAL RUNOFF (INCHES)	24.31		17.33		24.63	
10 PERCENT EXCEEDS	2,040		1,290		2,030	
50 PERCENT EXCEEDS	386		254		351	
90 PERCENT EXCEEDS	43		41		31	

e Estimated



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 mi^2.

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 NGVD of 1929, from topographic map. Prior to June 29, 1984, at site 400 ft downstream at same datum.

REMARKS.--Estimated daily discharges: Mar. 28 - Apr. 6. 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 FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0300	*10,800	*33.13	Mar 6	0445	4,290	18.62

Minimum discharge, 4.3 ft^3/s, Aug. 19, 20, gage height, 2.61 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	15	151	153	123	204	e66	94	55	92	16	10
2	20	15	110	140	113	1,600	e63	100	36	81	13	9.0
3	19	15	97	126	108	1,020	e58	91	38	66	11	8.5
4	18	15	129	113	90	583	e55	81	112	67	9.4	9.1
5	18	17	127	203	2,250	475	e52	74	51	61	8.8	9.4
6	20	18	114	198	6,170	2,470	e50	63	37	46	7.8	8.3
7	21	17	102	171	1,090	885	55	52	31	57	6.9	7.4
8	19	16	94	157	604	537	65	45	28	93	6.5	6.8
9	17	15	87	157	425	390	58	40	24	77	6.5	6.4
10	18	15	220	130	332	270	53	36	22	51	6.7	6.1
11	19	15	227	112	260	212	58	33	20	38	6.6	5.7
12	17	16	176	106	535	175	78	32	18	32	6.6	5.6
13	16	17	149	100	517	146	106	50	17	30	5.7	26
14	16	16	143	94	406	129	112	91	19	26	5.1	15
15	17	15	117	90	734	177	103	56	30	22	4.8	10
16	16	73	111	79	702	475	96	63	31	20	4.6	62
17	16	85	109	76	470	412	87	64	29	21	4.6	534
18	18	76	100	118	340	305	76	58	22	21	4.7	80
19	17	195	91	116	271	226	69	46	20	18	4.9	40
20	16	137	81	98	230	186	65	38	17	16	8.5	26
21	15	90	72	95	184	160	62	33	16	14	14	20
22	14	67	69	92	149	133	58	29	17	13	15	17
23	14	55	86	85	134	118	58	26	22	12	9.4	15
24	14	79	128	85	126	109	52	24	20	11	8.2	14
25	13	94	109	921	121	101	97	22	181	17	12	13
26	20	82	101	782	400	95	275	20	727	16	16	12
27	25	693	95	426	372	92	156	19	276	29	11	11
28	19	634	89	271	283	e79	113	19	174	18	12	11
29	17	366	104	213	232	e73	91	22	160	14	22	10
30	16	219	195	179	---	e76	102	22	121	12	20	9.6
31	15	---	170	145	---	e75	---	83	---	15	13	---
TOTAL	542	3,182	3,753	5,831	17,771	11,988	2,489	1,526	2,371	1,106	301.3	1,017.9
MEAN	17.5	106	121	188	613	387	83.0	49.2	79.0	35.7	9.72	33.9
MAX	25	693	227	921	6,170	2,470	275	100	727	93	22	534
MIN	13	15	69	76	90	73	50	19	16	11	4.6	5.6
CFSM	0.19	1.15	1.31	2.04	6.65	4.20	0.90	0.53	0.86	0.39	0.11	0.37
IN.	0.22	1.29	1.52	2.36	7.18	4.84	1.01	0.62	0.96	0.45	0.12	0.41

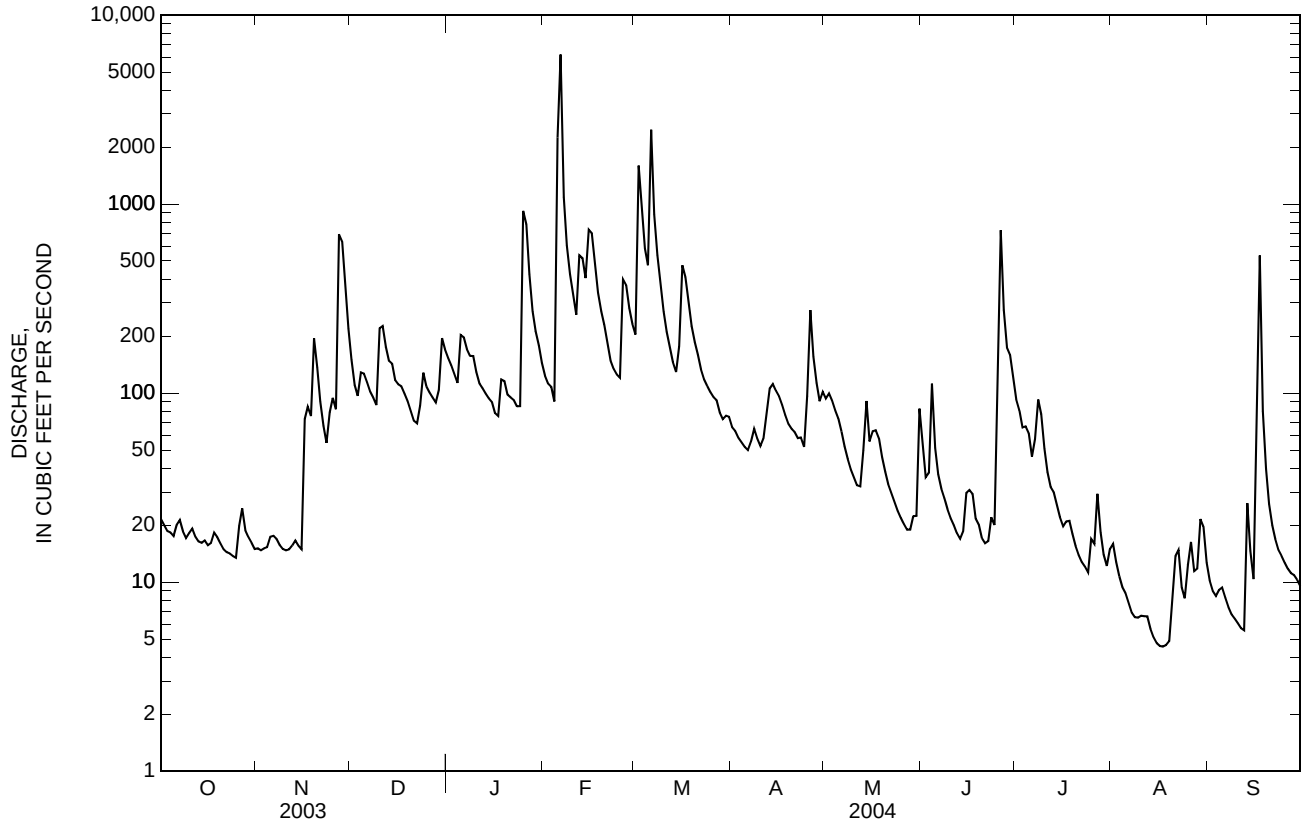
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

MEAN	43.3	95.5	234	315	342	366	254	200	90.6	36.9	18.7	31.9
MAX	414	539	742	741	707	1,123	665	748	776	264	64.6	255
(WY)	(1976)	(1980)	(1968)	(1999)	(1991)	(1973)	(1970)	(1984)	(1997)	(1989)	(1967)	(1989)
MIN	1.47	5.22	27.4	28.9	61.7	57.8	26.3	18.4	2.65	4.92	3.18	1.72
(WY)	(2001)	(1979)	(2000)	(1986)	(2000)	(1988)	(1986)	(1988)	(1988)	(2000)	(2000)	(2000)

02450250 SIPSEY FORK NEAR GRAYSON, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1967 - 2004	
ANNUAL TOTAL	65,904.1		51,878.2			
ANNUAL MEAN	181		142		168	
HIGHEST ANNUAL MEAN					277	1980
LOWEST ANNUAL MEAN					52.6	1986
HIGHEST DAILY MEAN	5,080	Feb 22	6,170	Feb 6	15,200	Mar 16, 1973
LOWEST DAILY MEAN	7.4	Sep 20	4.6	Aug 16	0.63	Sep 20, 2000
ANNUAL SEVEN-DAY MINIMUM	8.9	Sep 14	4.9	Aug 13	0.75	Aug 21, 2000
MAXIMUM PEAK FLOW			10,800	Feb 6	20,300	Mar 16, 1973
MAXIMUM PEAK STAGE			33.13	Feb 6	44.27	Mar 16, 1973
ANNUAL RUNOFF (CFSM)	1.96		1.54		1.83	
ANNUAL RUNOFF (INCHES)	26.62		20.95		24.82	
10 PERCENT EXCEEDS	335		275		366	
50 PERCENT EXCEEDS	79		58		52	
90 PERCENT EXCEEDS	15		11		6.0	

e Estimated



02450825 CLEAR CREEK AT NEW HOPE CHURCH NEAR POPLAR SPRING, AL

LOCATION.--Lat 34° 04'52", long 87° 25'22", in NE $^1/_4$ SE $^1/_4$ 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 mi^2.

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 NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Dec. 2-5, Feb. 12-19, Mar. 9-11, and Sept. 20,21. 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 Jan. 3, 1982 reached gage height of 12.25 ft, discharge, 6,750 ft^3/s. Flood of Mar. 5, 1983 reached gage height of 15.74 ft, discharge, 9,680 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0130	*4,040	*8.87

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

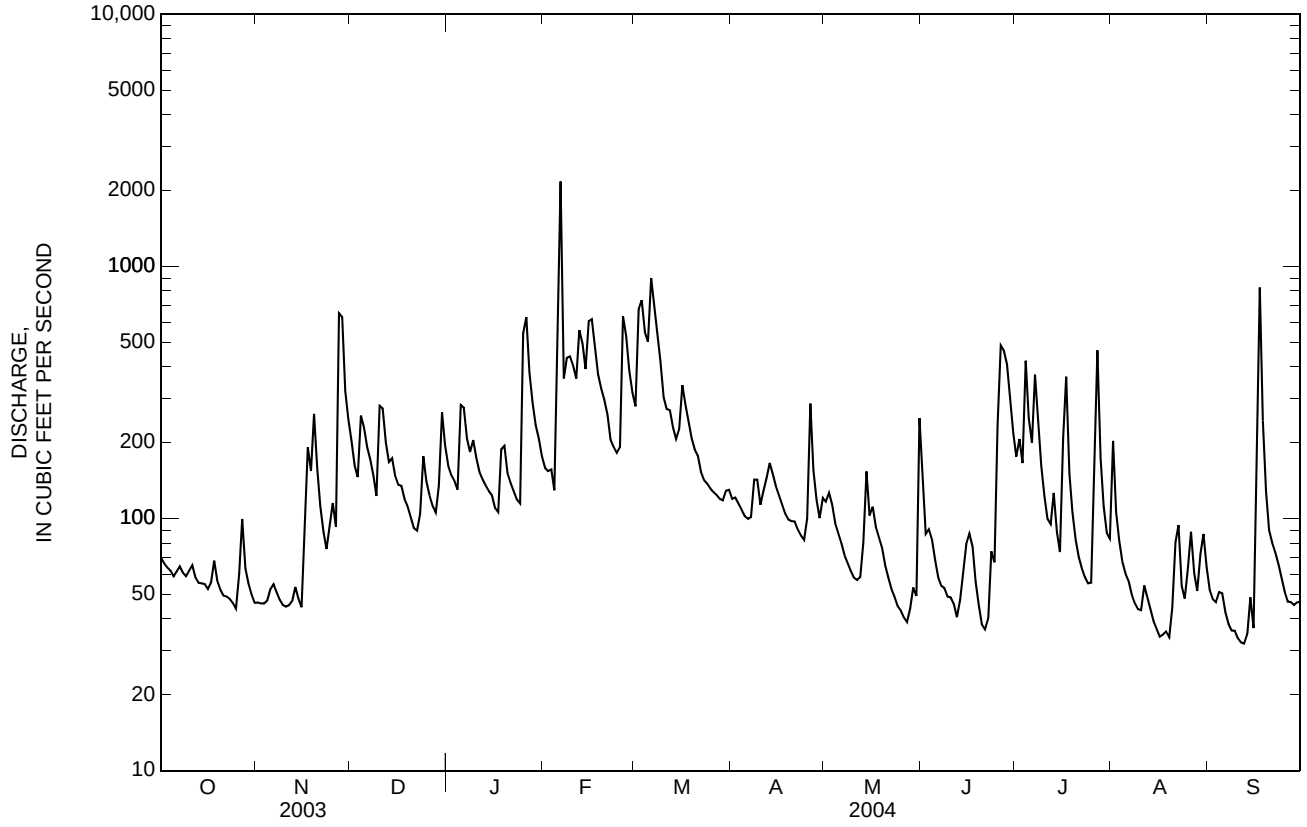
Minimum discharge, 30 ft^3/s, Sept. 11, 12, gage height, 1.30 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	46	203	162	159	279	120	117	147	176	203	52
2	66	46	e162	149	154	676	121	126	87	207	106	48
3	64	46	e146	141	156	735	114	114	91	166	81	47
4	62	47	e256	130	129	549	109	95	83	423	67	51
5	59	52	e230	282	691	503	102	88	68	250	60	51
6	62	55	192	275	2,170	899	100	80	58	200	57	43
7	65	51	172	208	359	692	101	72	54	372	50	38
8	61	48	148	184	434	527	143	66	53	236	46	36
9	59	45	123	205	440	e420	143	62	49	162	44	36
10	62	45	280	174	405	e303	114	58	49	123	43	34
11	65	45	274	153	359	e272	129	57	46	100	54	32
12	58	47	200	143	e559	269	145	59	41	95	49	32
13	56	54	168	135	e495	231	166	80	48	126	44	35
14	55	48	173	129	e392	207	150	154	62	88	39	49
15	55	44	148	123	e606	226	134	103	79	74	37	37
16	53	99	136	110	e618	338	123	111	87	209	34	158
17	56	192	135	106	e474	284	114	93	77	365	35	824
18	68	154	120	188	e374	242	104	84	56	151	36	245
19	57	260	112	194	e328	209	99	77	45	106	34	128
20	52	158	101	152	297	188	98	65	38	83	44	e90
21	49	112	92	138	258	178	97	58	36	71	81	e80
22	49	89	90	128	206	153	90	53	40	63	94	73
23	48	76	104	119	192	142	86	49	74	59	54	66
24	46	95	177	115	182	137	82	45	67	55	48	58
25	44	115	141	543	192	132	100	43	234	56	64	51
26	60	93	123	629	634	127	286	41	486	199	89	47
27	100	652	112	382	529	124	156	39	464	465	61	47
28	63	630	106	288	387	120	118	44	409	174	52	45
29	55	321	135	235	316	118	100	53	309	112	72	47
30	50	246	264	208	---	129	121	49	219	87	87	47
31	46	---	195	177	---	130	---	250	---	83	64	---
TOTAL	1,815	4,011	5,018	6,305	12,495	9,539	3,665	2,485	3,656	5,136	1,929	2,627
MEAN	58.5	134	162	203	431	308	122	80.2	122	166	62.2	87.6
MAX	100	652	280	629	2,170	899	286	250	486	465	203	824
MIN	44	44	90	106	129	118	82	39	36	55	34	32
CFSM	0.58	1.32	1.60	2.01	4.27	3.05	1.21	0.79	1.21	1.64	0.62	0.87
IN.	0.67	1.48	1.85	2.32	4.60	3.51	1.35	0.92	1.35	1.89	0.71	0.97

e Estimated

02450825 CLEAR CREEK AT NEW HOPE CHURCH NEAR POPLAR SPRING, AL—Continued



02453000 BLACKWATER CREEK NEAR MANCHESTER, AL

LOCATION.--Lat 33° 54'30", long 87° 15'25", in SE $^1/_4$ 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 mi^2.

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 NGVD of 1929. 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 8	0700	*4,890	*8.94	Mar 6	0845	2,640	6.65

Minimum discharge, 30 ft^3/s, Sept. 13, 14, 15, 16, gage height, 2.31 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

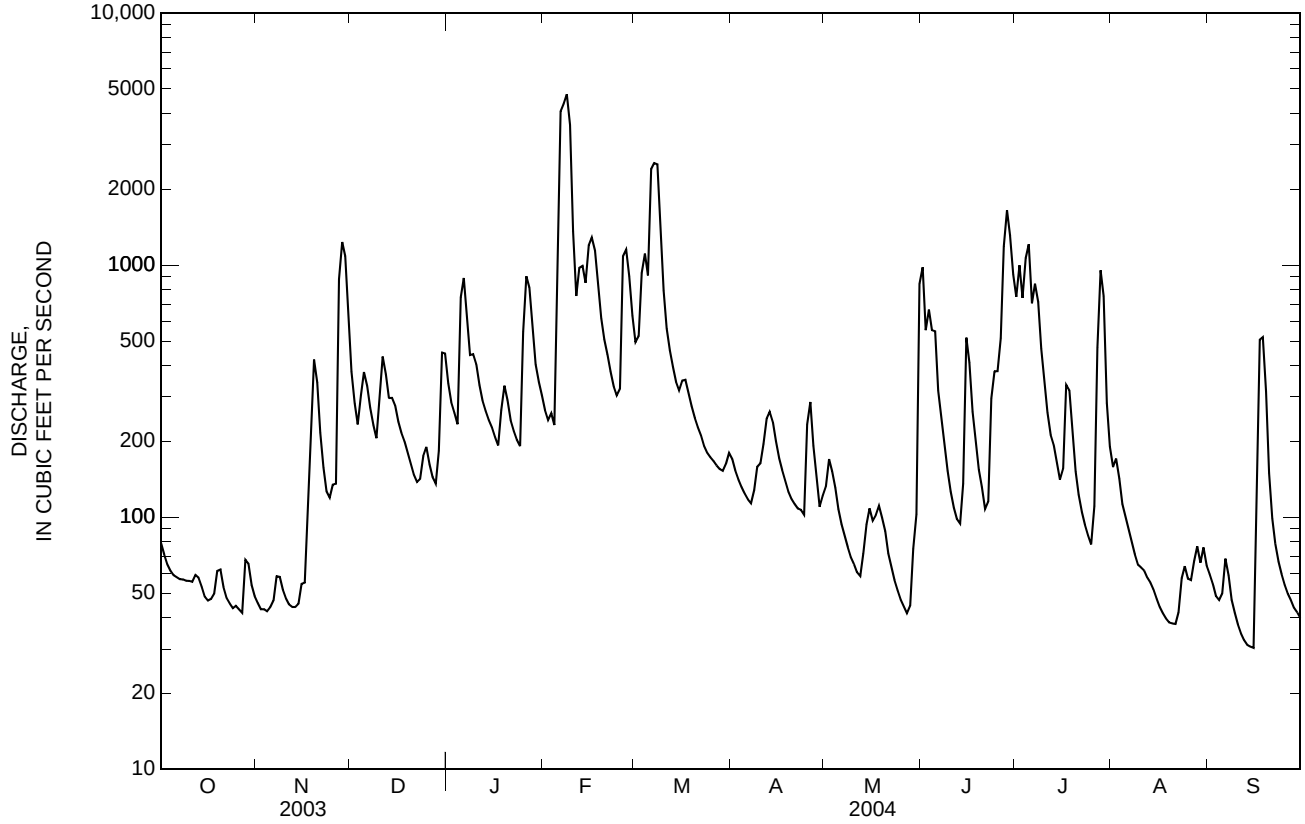
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	46	378	339	266	495	170	132	980	748	158	59
2	71	43	284	286	243	523	153	170	552	999	171	54
3	65	43	233	259	258	930	141	152	666	742	142	49
4	61	42	304	234	232	1,110	132	131	552	1,070	113	47
5	59	44	376	745	666	910	124	108	547	1,210	101	50
6	58	47	332	889	4,070	2,400	118	94	317	705	91	69
7	57	58	272	619	4,370	2,540	114	84	248	843	80	59
8	57	58	232	439	4,760	2,510	128	76	194	714	71	47
9	56	52	206	443	3,600	1,550	159	70	153	467	65	42
10	56	48	304	405	1,360	792	164	65	126	338	63	38
11	55	45	434	334	754	561	195	60	109	260	61	35
12	59	44	369	291	976	458	246	58	98	212	58	33
13	58	44	297	264	993	396	262	72	94	194	55	31
14	53	45	298	243	851	344	238	94	136	165	52	31
15	48	54	278	227	1,200	318	200	108	515	141	47	30
16	47	55	239	209	1,290	349	172	97	410	156	44	136
17	47	103	216	193	1,140	351	154	102	262	335	42	506
18	50	217	200	266	834	311	139	111	204	318	40	518
19	61	422	181	332	616	276	126	100	154	213	38	316
20	62	342	163	292	508	248	118	88	132	152	38	150
21	53	216	148	243	441	228	113	72	108	123	38	99
22	48	157	138	219	379	211	108	63	115	105	42	78
23	45	127	142	203	331	192	107	56	296	94	57	67
24	44	120	175	191	304	180	102	51	379	85	64	60
25	44	135	190	543	323	173	233	47	380	78	57	54
26	43	136	162	903	1,080	167	286	44	513	111	56	50
27	42	880	144	815	1,150	161	192	42	1,190	470	67	47
28	68	1,240	136	557	903	155	142	45	1,650	954	77	44
29	65	1,090	183	404	630	153	110	75	1,310	754	66	42
30	54	651	450	345	---	163	122	103	916	284	76	40
31	49	---	446	305	---	180	---	842	---	191	64	---
TOTAL	1,714	6,604	7,910	12,037	34,528	19,335	4,768	3,412	13,306	13,231	2,194	2,881
MEAN	55.3	220	255	388	1,191	624	159	110	444	427	70.8	96.0
MAX	79	1,240	450	903	4,760	2,540	286	842	1,650	1,210	171	518
MIN	42	42	136	191	232	153	102	42	94	78	38	30
CFSM	0.31	1.22	1.41	2.15	6.58	3.45	0.88	0.61	2.45	2.36	0.39	0.53
IN.	0.35	1.36	1.63	2.47	7.10	3.97	0.98	0.70	2.73	2.72	0.45	0.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	66.3	181	357	609	761	721	550	296	151	125	68.0	74.1
MAX	368	1,424	1,428	1,638	1,886	2,005	1,902	1,581	1,212	961	231	451
(WY)	(2003)	(1958)	(1968)	(1949)	(1961)	(1980)	(1964)	(1991)	(1997)	(1940)	(1939)	(2001)
MIN	2.18	9.66	21.3	31.1	156	272	122	42.1	15.8	11.3	12.1	4.90
(WY)	(1964)	(1954)	(1966)	(1956)	(1968)	(1954)	(1967)	(1941)	(1941)	(1954)	(1995)	(2000)

02453000 BLACKWATER CREEK NEAR MANCHESTER, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	156,869		121,920			
ANNUAL MEAN	430		333		328	
HIGHEST ANNUAL MEAN					578	1991
LOWEST ANNUAL MEAN					141	1941
HIGHEST DAILY MEAN	3,940	Feb 24	4,760	Feb 8	10,400	Feb 23, 1961
LOWEST DAILY MEAN	33	Sep 20	30	Sep 15	1.3	Oct 25, 1938
ANNUAL SEVEN-DAY MINIMUM	39	Sep 14	34	Sep 9	1.7	Oct 20, 1963
MAXIMUM PEAK FLOW			4,890	Feb 8	10,600	Feb 23, 1961
MAXIMUM PEAK STAGE			8.94	Feb 8	13.10	Feb 23, 1961
ANNUAL RUNOFF (CFSM)	2.37		1.84		1.81	
ANNUAL RUNOFF (INCHES)	32.24		25.06		24.59	
10 PERCENT EXCEEDS	986		842		841	
50 PERCENT EXCEEDS	200		158		114	
90 PERCENT EXCEEDS	53		47		16	



02453500 MULBERRY FORK AT CORDOVA, AL

LOCATION.--Lat 33° 45'27", long 87° 10'13", in NW $^1/_4$ 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 mi^2.

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 NGVD of 1929. August 1937 to September 1961, nonrecording gage at present site and datum. Prior to August 1937, nonrecording gage at 8.2 ft lower datum.

REMARKS.--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, 19.86 ft, Feb. 6; minimum gage height, 10.11 ft, Oct. 12.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.04	11.01	11.25	11.40	11.27	11.97	11.32	11.08	11.35	11.65	11.25	11.15
2	11.01	11.02	11.30	11.49	11.25	---	11.13	11.31	11.24	11.34	11.26	11.11
3	10.97	11.04	11.41	11.38	11.32	11.82	10.98	11.30	11.29	11.35	11.25	11.05
4	10.93	11.24	11.53	11.49	11.47	11.50	11.18	11.15	11.53	---	11.27	11.12
5	11.00	11.24	11.61	11.89	11.61	12.45	11.12	11.13	11.48	11.90	11.25	11.23
6	11.08	11.41	11.57	11.97	18.80	14.55	11.10	11.24	11.44	11.66	11.27	11.19
7	10.95	11.44	11.51	11.71	18.72	14.77	11.07	11.27	11.38	---	11.24	11.05
8	11.07	11.35	11.67	11.38	15.47	13.56	11.19	11.21	11.27	11.60	11.17	11.00
9	---	11.40	11.51	11.75	12.67	13.02	11.15	10.95	11.48	11.53	11.06	11.12
10	11.02	11.46	11.29	11.71	---	12.71	11.08	10.74	11.48	11.40	10.85	10.96
11	10.95	11.41	11.57	11.62	11.82	12.49	10.93	10.87	11.24	11.46	10.82	10.74
12	10.70	11.35	11.51	11.68	11.96	12.29	11.08	10.99	11.17	11.48	10.70	10.81
13	10.36	11.31	11.21	11.45	11.98	12.14	11.05	11.19	11.25	11.38	10.67	10.97
14	10.44	11.26	11.24	11.34	11.58	12.00	11.54	11.39	11.16	11.43	10.55	11.06
15	10.50	11.18	---	11.28	12.18	12.01	11.57	11.25	11.28	11.40	10.48	11.72
16	10.58	11.20	11.36	11.32	12.79	11.97	11.39	11.28	11.35	11.31	10.77	11.12
17	10.68	11.28	11.23	11.09	12.18	11.95	11.12	11.28	11.30	11.49	11.20	12.11
18	10.99	11.18	---	10.93	12.00	11.76	11.13	11.24	11.21	11.29	11.48	11.60
19	11.03	11.03	---	11.06	12.00	11.72	11.39	11.19	11.17	11.25	11.45	11.26
20	11.14	11.08	---	11.45	12.00	11.66	11.33	11.18	11.21	11.22	11.41	10.91
21	11.07	11.15	---	11.50	11.80	11.36	11.12	11.09	11.24	11.25	11.25	11.11
22	11.07	11.18	---	11.51	12.47	11.39	10.98	11.03	11.25	11.39	11.13	11.19
23	10.99	10.92	---	11.43	12.25	11.41	11.10	11.09	11.26	11.43	11.23	11.43
24	10.99	11.00	11.09	11.29	12.06	11.39	11.16	11.10	11.47	11.36	11.13	11.23
25	11.00	11.00	---	10.92	12.11	11.40	11.14	11.07	11.43	11.23	11.06	11.20
26	10.92	11.11	---	11.23	12.22	11.20	11.10	11.06	11.39	11.40	11.05	11.35
27	10.61	11.13	---	11.53	11.84	11.16	10.99	11.04	11.71	11.51	11.31	11.32
28	10.66	11.18	---	11.64	11.68	11.42	10.90	10.96	12.17	11.31	11.14	11.29
29	10.70	11.36	11.10	11.43	---	11.46	10.81	11.08	11.62	11.52	11.02	11.29
30	10.82	11.29	11.20	11.53	---	11.36	10.88	11.29	11.68	11.53	11.12	11.08
31	10.91	---	11.55	11.48	---	11.38	---	11.21	---	11.26	11.14	---
MEAN	---	11.21	---	11.45	---	---	11.13	11.14	11.38	---	11.10	11.19
MAX	---	11.46	---	11.97	---	---	11.57	11.39	12.17	---	11.48	12.11
MIN	---	10.92	---	10.92	---	---	10.81	10.74	11.16	---	10.48	10.74

02454055 LOST CREEK ABOVE PARRISH, AL

LOCATION.--Lat 33° 44'30", long 87° 19'37", in NE $^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 280 ft above NGVD of 1929, from topographic map.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 7	0800	*8,200	*26.07	Mar 6	2330	4,070	19.00

Minimum discharge, 20 ft^3/s, Nov. 14, 15, 16, Sept. 15, 16, gage height, 4.89 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

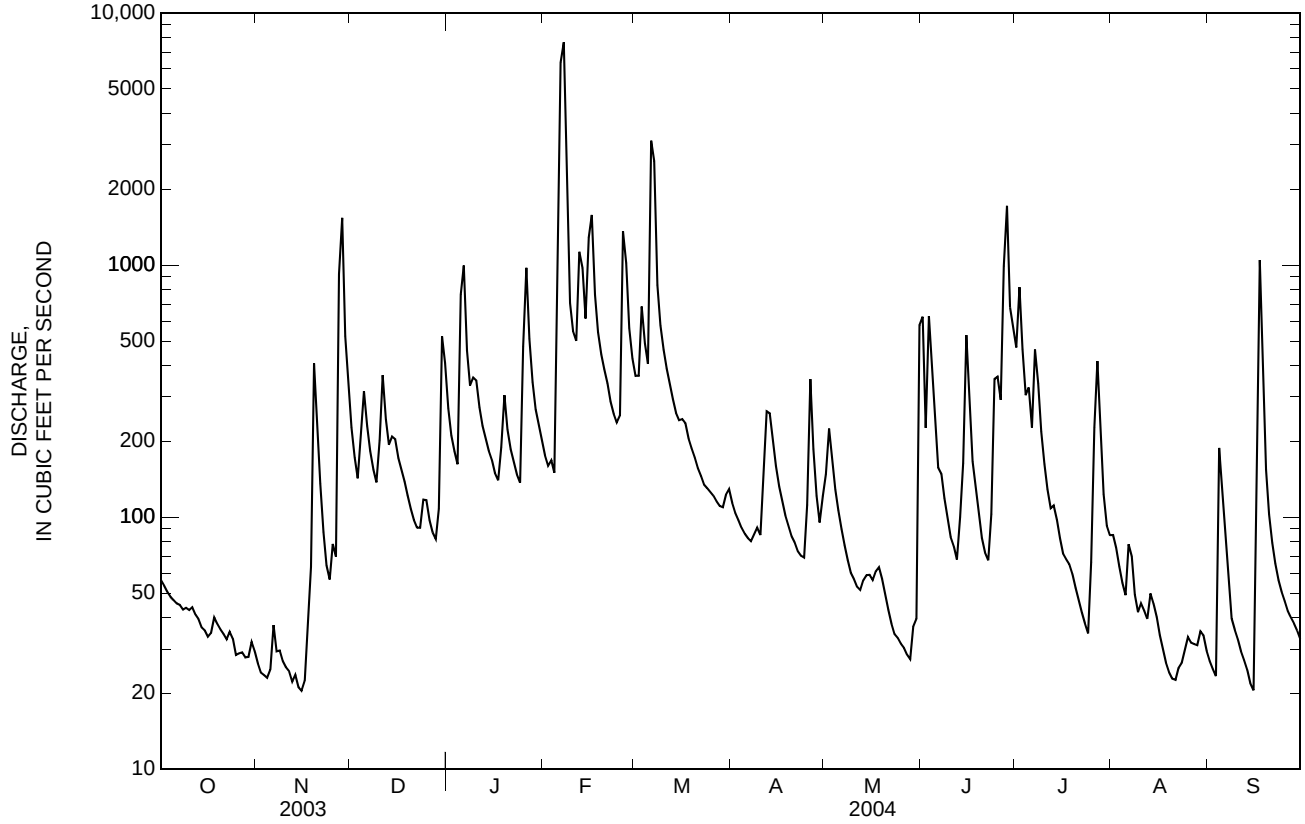
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	26	227	271	175	364	114	148	624	471	85	27
2	53	24	173	211	160	364	104	225	226	817	76	25
3	51	24	143	182	168	685	97	173	628	464	64	23
4	48	23	222	162	150	489	91	129	382	305	55	188
5	47	25	316	764	580	406	86	106	239	327	49	116
6	46	37	230	996	6,360	3,110	83	90	157	227	78	77
7	45	29	183	458	7,650	2,590	80	77	149	463	70	53
8	43	30	155	333	2,340	833	86	67	119	339	49	40
9	44	27	138	358	708	577	91	60	99	219	42	36
10	43	25	202	349	548	461	85	57	83	163	46	33
11	44	25	366	273	501	389	153	53	77	129	43	29
12	41	22	244	231	1,130	338	263	51	68	109	40	27
13	39	24	194	205	975	294	258	56	100	111	50	25
14	37	21	209	184	615	259	202	59	164	98	45	22
15	36	20	204	169	1,290	243	160	59	528	83	40	21
16	34	22	172	150	1,580	245	133	56	290	72	34	111
17	35	35	155	140	764	236	116	61	167	68	30	1,050
18	40	64	139	189	541	205	102	63	134	65	26	334
19	38	407	122	305	443	188	92	57	104	60	24	155
20	36	252	108	223	387	173	84	50	83	52	23	103
21	34	136	98	186	340	157	80	43	72	47	23	79
22	33	87	91	166	288	146	73	38	67	42	25	65
23	35	64	91	148	257	135	70	34	103	38	26	56
24	33	57	118	137	237	130	69	33	353	35	30	51
25	28	78	117	476	253	126	112	32	361	66	33	47
26	29	70	97	977	1,360	121	353	30	292	227	32	43
27	29	922	87	510	1,020	116	186	29	991	416	31	40
28	28	1,540	82	344	563	111	121	27	1,720	227	31	38
29	28	523	108	268	426	109	95	37	680	123	35	35
30	32	333	521	232	---	123	121	40	560	93	34	33
31	29	---	409	202	---	129	---	578	---	85	30	---
TOTAL	1,194	4,972	5,721	9,799	31,809	13,852	3,760	2,618	9,620	6,041	1,299	2,982
MEAN	38.5	166	185	316	1,097	447	125	84.5	321	195	41.9	99.4
MAX	56	1,540	521	996	7,650	3,110	353	578	1,720	817	85	1,050
MIN	28	20	82	137	150	109	69	27	67	35	23	21
CFSM	0.27	1.16	1.29	2.21	7.67	3.12	0.88	0.59	2.24	1.36	0.29	0.70
IN.	0.31	1.29	1.49	2.55	8.27	3.60	0.98	0.68	2.50	1.57	0.34	0.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	99.9	191	336	560	581	602	367	327	180	104	54.2	77.7
MAX	298	516	782	1,017	1,097	1,140	735	1,486	829	246	118	310
(WY)	(2002)	(2003)	(2002)	(1998)	(2004)	(1994)	(2000)	(2003)	(1997)	(1997)	(1998)	(2001)
MIN	7.53	29.8	27.0	229	148	386	118	52.4	22.6	11.0	19.0	7.02
(WY)	(2001)	(2000)	(2000)	(2000)	(2000)	(1993)	(1997)	(2000)	(2000)	(2000)	(1999)	(2000)

02454055 LOST CREEK ABOVE PARRISH, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	137,422		93,667			
ANNUAL MEAN	376		256		289	
HIGHEST ANNUAL MEAN					455	2003
LOWEST ANNUAL MEAN					175	2000
HIGHEST DAILY MEAN	5,690	May 19	7,650	Feb 7	9,170	Mar 29, 1994
LOWEST DAILY MEAN	12	Sep 20	20	Nov 15	3.3	Oct 1, 2000
ANNUAL SEVEN-DAY MINIMUM	16	Sep 15	23	Nov 10	4.1	Sep 29, 2000
MAXIMUM PEAK FLOW			8,200	Feb 7	10,600	Mar 28, 1994
MAXIMUM PEAK STAGE			26.07	Feb 7	29.48	Mar 28, 1994
ANNUAL RUNOFF (CFSM)	2.63		1.79		2.02	
ANNUAL RUNOFF (INCHES)	35.75		24.37		27.45	
10 PERCENT EXCEEDS	751		524		605	
50 PERCENT EXCEEDS	150		108		120	
90 PERCENT EXCEEDS	28		30		20	



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 mi^2.

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. WDR AL-01-1: 2000.

GAGE.--Water-stage recorder. Datum of gage is 536.94 ft above NGVD of 1929 (U.S. Army Corps of Engineers benchmark). Prior to Apr. 19, 1940, nonrecording gage at present site and datum. Apr. 20, 1940 to Apr. 11, 1945, nonrecording gage and April 12, 1945 to Sept. 30, 1972, water-stage recorder at site 200 ft downstream at same datum.

REMARKS.--Estimated discharges: Dec. 29, June 10-14, 16, 17. 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	1845	*12,600	*12.21	Sep 17	0915	10,000	11.01

Minimum discharge, 20 ft^3/s, Nov. 1, 2, gage height, 0.97 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	21	99	414	443	592	327	123	508	506	171	42
2	31	21	82	324	386	648	276	226	234	431	157	42
3	30	23	70	282	367	956	239	756	142	624	123	39
4	28	23	78	254	342	755	214	405	109	477	104	39
5	28	25	97	836	331	662	192	266	92	350	91	37
6	30	24	124	1,470	8,830	4,330	175	202	82	263	82	42
7	30	24	102	820	5,690	2,780	164	161	73	575	71	42
8	30	34	88	604	2,420	1,730	162	133	67	525	63	48
9	29	30	79	585	1,520	1,200	154	111	61	346	59	69
10	33	29	93	581	1,160	929	146	96	e61	257	54	64
11	32	30	213	467	1,020	772	155	86	e57	201	48	51
12	30	29	212	403	1,870	669	193	79	e51	179	49	45
13	30	27	157	362	1,650	584	434	82	e47	153	47	40
14	29	26	167	331	1,240	520	414	79	e48	172	46	35
15	27	25	189	308	1,820	483	308	73	52	375	47	32
16	25	27	171	278	2,250	500	249	71	e88	285	42	503
17	24	34	161	255	1,510	496	214	75	e131	190	38	8,090
18	23	42	194	273	1,120	411	189	71	159	181	35	3,550
19	26	90	172	319	920	369	165	81	106	162	32	1,300
20	27	157	147	268	800	331	147	65	91	127	36	684
21	28	83	129	232	704	303	136	61	73	108	201	496
22	28	59	117	216	606	275	136	55	57	93	164	384
23	24	47	112	202	540	251	150	50	52	83	113	308
24	22	42	126	195	508	236	130	45	80	74	85	258
25	23	38	163	723	501	222	114	41	274	70	80	217
26	25	35	140	2,060	1,000	212	122	37	532	834	99	186
27	24	91	124	1,310	957	201	145	35	967	1,330	76	163
28	23	294	119	852	760	193	150	36	1,620	526	60	146
29	22	222	e211	666	658	195	115	39	1,180	322	52	135
30	22	139	653	576	---	269	109	38	718	232	47	124
31	22	---	603	502	---	381	---	404	---	179	46	---
TOTAL	841	1,791	5,192	16,968	41,923	22,455	5,824	4,082	7,812	10,230	2,418	17,211
MEAN	27.1	59.7	167	547	1,446	724	194	132	260	330	78.0	574
MAX	36	294	653	2,060	8,830	4,330	434	756	1,620	1,330	201	8,090
MIN	22	21	70	195	331	193	109	35	47	70	32	32
CFSM	0.09	0.20	0.55	1.81	4.77	2.39	0.64	0.43	0.86	1.09	0.26	1.89
IN.	0.10	0.22	0.64	2.08	5.15	2.76	0.72	0.50	0.96	1.26	0.30	2.11

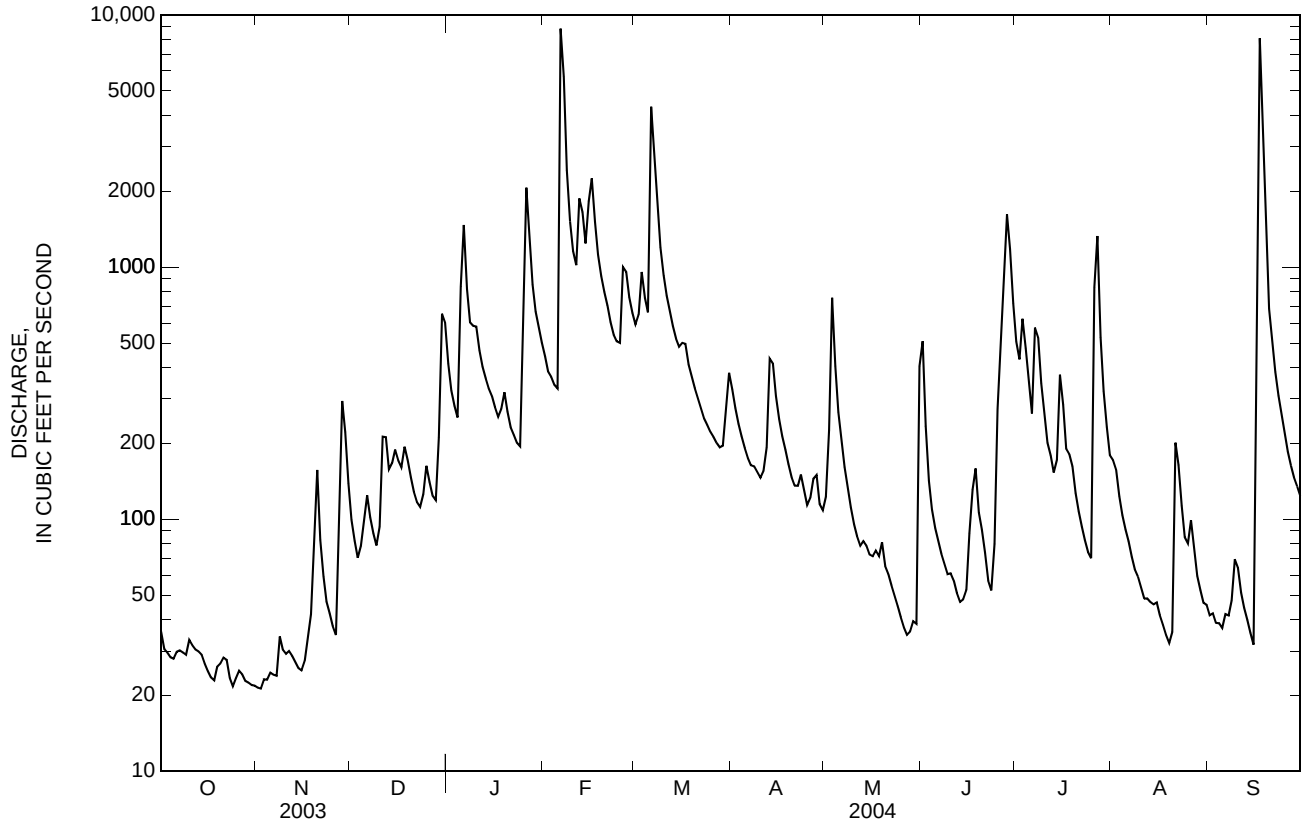
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	138	289	626	1,060	1,166	1,182	871	422	191	180	109	109
MAX	1,176	2,123	2,448	3,158	3,162	3,508	2,949	1,622	1,706	795	1,030	574
(WY)	(1996)	(1949)	(1943)	(1947)	(1961)	(1980)	(1964)	(1983)	(1997)	(1967)	(1941)	(2004)
MIN	5.31	8.96	19.5	62.7	218	361	105	60.0	19.0	13.8	10.4	5.04
(WY)	(1955)	(1955)	(1966)	(1956)	(2000)	(1941)	(1986)	(1942)	(1941)	(1960)	(1954)	(1954)

02455000 LOCUST FORK NEAR CLEVELAND, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	188,277		136,747			
ANNUAL MEAN	516		374		524	
HIGHEST ANNUAL MEAN					873	1949
LOWEST ANNUAL MEAN					237	2000
HIGHEST DAILY MEAN	8,280	Mar 6	8,830	Feb 6	33,900	Dec 28, 1942
LOWEST DAILY MEAN	16	Sep 20	21	Nov 1	2.3	Sep 15, 1954
ANNUAL SEVEN-DAY MINIMUM	19	Sep 15	22	Oct 28	2.8	Sep 10, 1954
MAXIMUM PEAK FLOW			12,600	Feb 6	47,000	Dec 28, 1942
MAXIMUM PEAK STAGE			12.21	Feb 6	19.20	Dec 28, 1942
ANNUAL RUNOFF (CFSM)	1.70		1.23		1.73	
ANNUAL RUNOFF (INCHES)	23.12		16.79		23.49	
10 PERCENT EXCEEDS	1,170		806		1,260	
50 PERCENT EXCEEDS	229		150		185	
90 PERCENT EXCEEDS	27		30		17	

e Estimated



02455900 LOCUST FORK AT WARRIOR, AL

LOCATION.--Lat 33° 48'30", long 86° 48'04", in NE $^1/_4$ sec. 24, T. 14 S., R. 3 W., Jefferson County, Hydrologic Unit 0316011, on left bank 15 ft downstream from bridge on county road at Warrior, 3.3 mi upstream from Turkey Creek, and at mile 59.6.

DRAINGAGE AREA.--707 mi^2.

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 305 ft above NGVD of 1929 (from topographic map).

REMARKS.--Estimated daily discharges: Oct. 4, 5, 9, 12, 25, 27, Oct. 29 - Nov. 1, Dec. 31 - Jan. 3, Jan. 15-21, Feb. 7, 9, Sept. 30. Records fair. 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 7	0345	*21,800	*34.10

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 36 ft^3/s, Oct. 22, gage height, 2.51 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	e52	263	e782	829	1,420	668	303	1,760	1,510	295	129
2	61	50	216	e567	749	1,350	552	327	933	1,250	269	121
3	56	49	196	e460	711	1,760	487	682	578	1,180	245	123
4	e60	51	187	488	655	1,660	436	795	463	1,190	202	127
5	e64	54	191	897	673	1,420	400	519	389	999	182	116
6	61	54	212	2,860	15,900	6,590	379	406	345	773	171	113
7	61	51	237	1,750	e16,100	7,380	364	345	312	809	161	115
8	59	48	212	1,210	6,340	4,560	382	306	286	1,310	142	127
9	e61	48	198	1,070	e3,420	3,140	402	278	271	967	128	145
10	62	55	208	1,090	2,670	2,260	371	256	259	733	128	144
11	61	58	254	933	2,230	1,790	418	237	246	566	121	145
12	e60	54	373	777	3,490	1,490	495	220	231	452	142	132
13	60	54	351	688	4,190	1,280	1,020	242	223	526	114	122
14	58	47	319	618	3,150	1,140	1,290	241	202	393	109	115
15	53	50	341	e545	3,180	1,020	947	237	142	387	106	111
16	50	49	356	e485	4,970	1,010	746	229	163	531	107	1,340
17	53	52	326	e453	3,800	994	602	207	416	655	107	9,600
18	55	63	307	e470	2,700	866	509	209	324	390	104	7,440
19	53	106	333	e480	2,090	754	452	239	379	331	99	3,350
20	54	170	290	e483	1,750	660	419	260	276	289	95	1,630
21	48	224	273	e441	1,520	565	378	226	213	228	124	1,060
22	57	163	255	402	1,310	492	362	208	184	198	277	790
23	58	127	260	394	1,170	449	353	202	166	176	235	593
24	56	105	267	387	1,060	426	336	175	550	160	183	471
25	e55	94	283	754	1,020	411	307	169	1,350	139	157	389
26	52	87	313	3,380	2,220	392	309	155	1,470	165	547	321
27	e52	138	281	2,560	2,600	384	325	150	1,830	2,390	295	281
28	51	338	258	1,700	1,940	370	328	150	4,020	1,300	185	248
29	e53	465	270	1,290	1,620	358	320	168	2,800	718	146	221
30	e56	350	645	1,090	---	480	298	186	2,170	458	134	e198
31	e55	---	e1,010	957	---	654	---	1,930	---	346	127	---
TOTAL	1,761	3,306	9,485	30,461	94,057	47,525	14,655	10,257	22,951	21,519	5,437	29,817
MEAN	56.8	110	306	983	3,243	1,533	488	331	765	694	175	994
MAX	66	465	1,010	3,380	16,100	7,380	1,290	1,930	4,020	2,390	547	9,600
MIN	48	47	187	387	655	358	298	150	142	139	95	111
CFSM	0.08	0.16	0.43	1.39	4.59	2.17	0.69	0.47	1.08	0.98	0.25	1.41
IN.	0.09	0.17	0.50	1.60	4.95	2.50	0.77	0.54	1.21	1.13	0.29	1.57

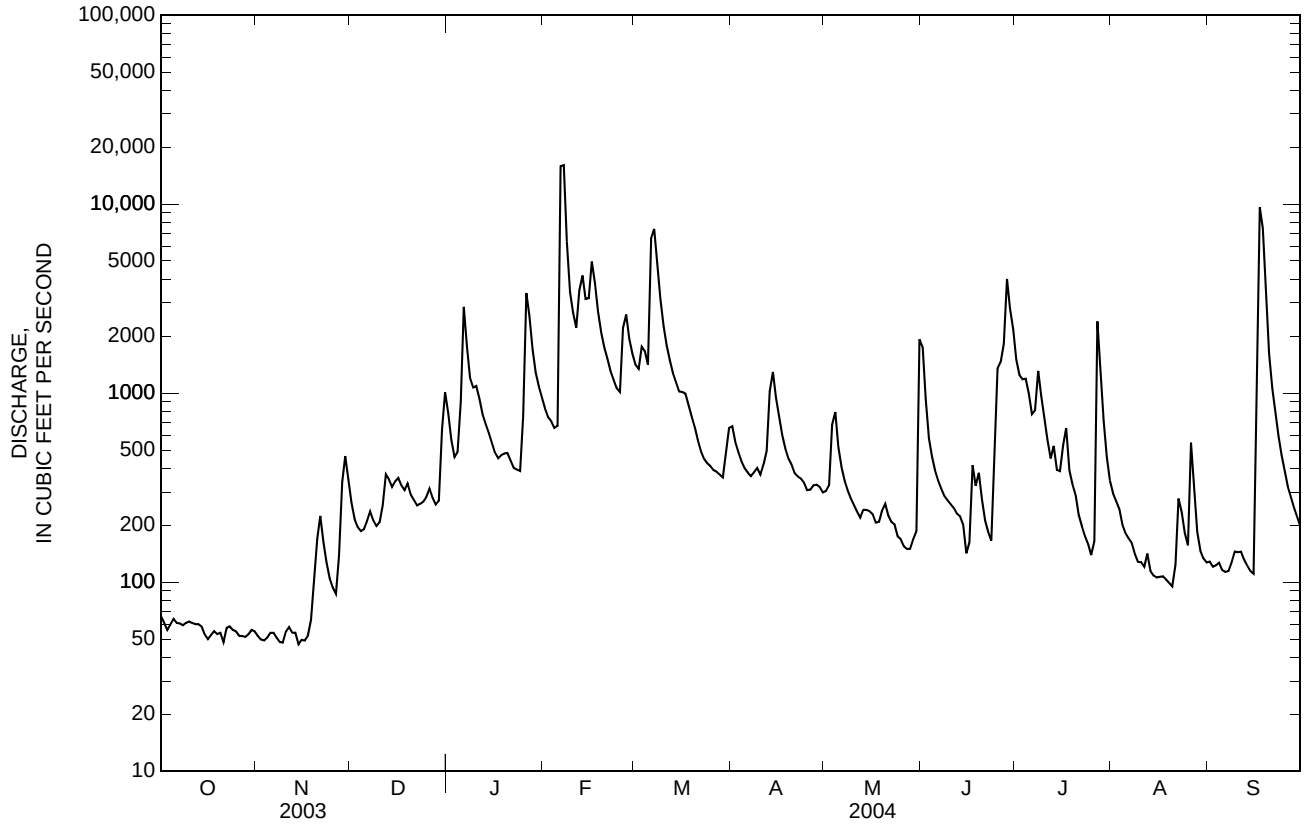
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	336	717	1,626	1,473	2,636	2,150	1,044	2,224	662	508	149	465
MAX	712	1,728	2,651	2,332	3,243	3,159	1,420	4,923	1,021	694	175	994
(WY)	(2003)	(2003)	(2003)	(2002)	(2004)	(2003)	(2002)	(2003)	(2003)	(2004)	(2004)	(2004)
MIN	56.8	110	306	983	1,602	1,533	488	331	199	178	98.0	104
(WY)	(2004)	(2004)	(2004)	(2004)	(2002)	(2004)	(2004)	(2004)	(2002)	(2002)	(2002)	(2003)

02455900 LOCUST FORK AT WARRIOR, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	480,610.0		291,231			
ANNUAL MEAN	1,317		796		1,160	
HIGHEST ANNUAL MEAN					1,705	2003
LOWEST ANNUAL MEAN					796	2004
HIGHEST DAILY MEAN	26,000	May 8	16,100	Feb 7	26,000	May 8, 2003
LOWEST DAILY MEAN	47	Nov 14	47	Nov 14	47	Sep 14, 2002
ANNUAL SEVEN-DAY MINIMUM	51	Nov 3	51	Nov 3	48	Sep 9, 2002
MAXIMUM PEAK FLOW			21,800	Feb 7	26,500	May 8, 2003
MAXIMUM PEAK STAGE			34.10	Feb 7	34.27	May 8, 2003
ANNUAL RUNOFF (CFSM)	1.86		1.13		1.64	
ANNUAL RUNOFF (INCHES)	25.29		15.32		22.29	
10 PERCENT EXCEEDS	2,940		1,760		2,710	
50 PERCENT EXCEEDS	451		326		474	
90 PERCENT EXCEEDS	59		59		97	

e Estimated



02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL

LOCATION.--Lat 33° 42'40", long 86° 41'46", in SW $^1/_4$ 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 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1988 to current year. June 1979 to June 1988 in files of Barton Laboratory, Jefferson County Commission.

REVISED RECORD.--WDR AL-00-1: 1990, 1993, 1996-98, 1989-99 (M).

GAGE.--Water-stage recorder. Datum of gage is 501.69 ft above NGVD of 1929 (levels by Jefferson County Engineering Department).

REMARKS.--Estimated daily discharges: Feb. 6-9, Sept. 16-20. Water-discharge 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0315	*9,095	*15.30	Sep 16	1900	4,750	11.71

Minimum discharge, 12 ft^3/s, on several days, gage height, 4.28 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	14	20	25	26	44	28	22	30	28	19	13
2	19	14	19	24	26	48	28	36	27	31	19	13
3	19	14	18	23	25	46	27	28	45	37	17	17
4	18	15	21	22	24	43	27	24	35	28	16	15
5	18	15	19	60	147	42	26	23	28	27	16	13
6	18	16	18	42	e2,230	366	25	25	26	25	16	12
7	18	15	18	34	e218	119	25	22	24	29	15	22
8	18	14	17	31	e128	81	29	20	23	30	14	23
9	18	14	17	35	e88	66	27	20	21	25	14	16
10	18	14	28	31	68	55	26	19	20	23	15	15
11	18	14	23	28	63	48	40	19	19	21	14	14
12	18	14	20	26	131	44	36	20	18	32	91	13
13	17	13	19	25	78	41	44	26	18	29	23	13
14	17	13	21	24	68	38	38	24	18	23	18	13
15	17	13	19	24	112	37	35	20	20	21	17	12
16	16	14	21	23	84	76	34	22	21	20	16	e513
17	17	14	22	23	67	43	32	20	23	24	16	e381
18	17	28	20	24	57	39	30	23	22	22	15	e79
19	16	29	19	22	52	36	29	38	24	19	15	e57
20	16	20	18	20	49	34	29	22	18	18	21	e45
21	16	18	17	20	46	33	28	20	17	17	21	37
22	16	17	17	19	43	32	27	18	18	17	17	35
23	16	17	22	19	41	31	26	25	28	16	16	32
24	15	17	23	19	40	30	25	20	198	16	16	31
25	15	16	20	78	42	30	25	18	54	16	15	28
26	15	16	19	55	96	29	26	17	39	66	15	28
27	15	47	18	40	54	29	24	16	35	37	14	26
28	16	32	18	36	48	28	23	22	35	25	14	24
29	15	23	37	33	45	29	23	22	32	22	13	23
30	15	21	44	31	---	31	23	18	29	22	13	22
31	14	---	29	28	---	30	---	72	---	19	13	---
TOTAL	520	541	661	944	4,196	1,678	865	741	965	785	574	1,585
MEAN	16.8	18.0	21.3	30.5	145	54.1	28.8	23.9	32.2	25.3	18.5	52.8
MAX	19	47	44	78	2,230	366	44	72	198	66	91	513
MIN	14	13	17	19	24	28	23	16	17	16	13	12
CFSM	0.61	0.66	0.78	1.11	5.28	1.98	1.05	0.87	1.17	0.92	0.68	1.93
IN.	0.71	0.73	0.90	1.28	5.70	2.28	1.17	1.01	1.31	1.07	0.78	2.15

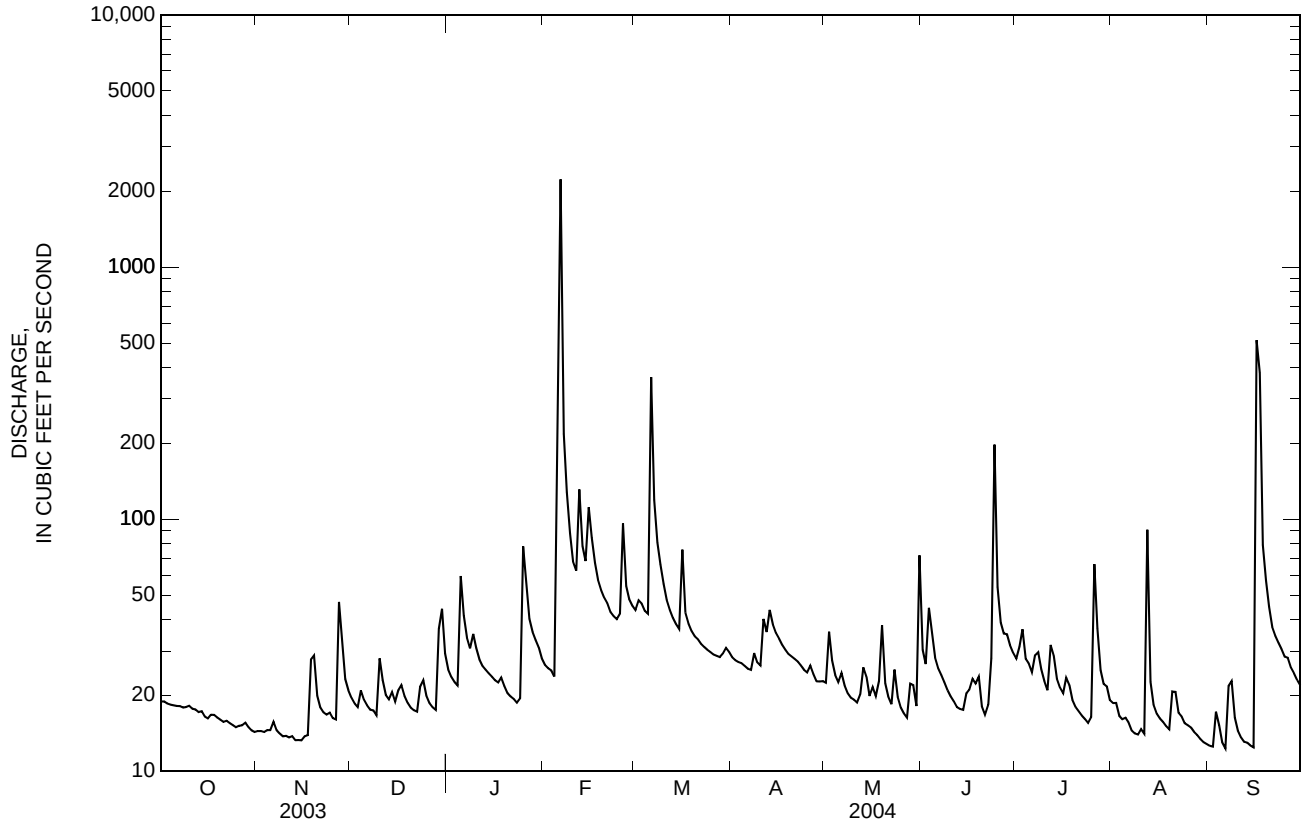
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	27.8	33.1	40.5	73.2	83.7	102	67.8	60.1	42.3	38.0	24.2	31.0
MAX	123	68.4	88.6	171	274	204	156	371	157	73.2	50.0	133
(WY)	(1996)	(1996)	(2003)	(1996)	(1990)	(1996)	(2000)	(2003)	(1997)	(2002)	(1998)	(2001)
MIN	7.58	15.1	14.3	25.1	27.2	39.0	28.8	19.2	18.3	12.5	11.0	9.66
(WY)	(2001)	(1999)	(2000)	(2000)	(2000)	(1992)	(2004)	(1992)	(2000)	(2000)	(2000)	(2000)

02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	27,397		14,055			
ANNUAL MEAN	75.1		38.4		52.0	
HIGHEST ANNUAL MEAN					85.8	2003
LOWEST ANNUAL MEAN					27.7	1992
HIGHEST DAILY MEAN	2,500	May 8	2,230	Feb 6	2,500	May 8, 2003
LOWEST DAILY MEAN	13	Nov 13	12	Sep 6	6.4	Nov 2, 2000
ANNUAL SEVEN-DAY MINIMUM	14	Nov 9	13	Aug 27	6.6	Oct 27, 2000
MAXIMUM PEAK FLOW			9,100	Feb 6	10,100	Mar 11, 2000
MAXIMUM PEAK STAGE			15.30	Feb 6	16.17	Mar 11, 2000
ANNUAL RUNOFF (CFSM)	2.74		1.40		1.90	
ANNUAL RUNOFF (INCHES)	37.20		19.08		25.79	
10 PERCENT EXCEEDS	94		48		83	
50 PERCENT EXCEEDS	40		23		32	
90 PERCENT EXCEEDS	17		15		15	

e Estimated



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.--Maximum and minimum values given in EXTREMES FOR PERIOD OF RECORD and EXTREMES FOR CURRENT YEAR may have been exceeded during periods of missing record.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 366 microSiemens, Apr. 24, 1999; minimum, 55 microSiemens, Feb. 6, 2004.
WATER TEMPERATURES: Maximum, 28.7° C, Aug. 19, 1995; minimum, 1.9° C, Dec. 23, 1989.
DISSOLVED OXYGEN: Maximum, 16.4 mg/L, Jan. 8, 2002; minimum, 3.1 mg/L, Oct. 31, 2004, Nov. 11, 2004 .

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 323 microSiemens/cm, Aug. 22; minimum, 55 microSiemens/cm, Feb. 6.
WATER TEMPERATURE: Maximum, 25.8° C, July 14; minimum, 5.7° C, Jan. 20.
DISSOLVED OXYGEN: Maximum, 15.9 mg/L, February 7, 8; minimum, 3.1 mg/L, October 31 and November 11.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	294	288	292	305	297	302	307	297	302	312	292	303
2	294	288	291	306	296	302	309	296	301	312	303	309
3	294	286	291	314	300	305	304	296	301	314	300	308
4	294	288	292	319	301	307	303	290	297	316	308	313
5	294	287	292	321	306	313	301	296	299	316	212	257
6	295	288	293	321	307	311	304	299	302	295	265	283
7	295	286	292	307	284	297	305	298	303	305	295	300
8	296	286	292	298	290	294	305	298	303	306	300	305
9	295	285	291	300	287	294	305	295	301	304	295	299
10	296	286	291	303	289	296	301	275	288	308	299	303
11	296	286	292	304	291	297	298	286	290	310	289	306
12	298	287	293	302	291	297	303	295	299	311	304	309
13	299	287	293	303	291	297	306	299	303	311	303	309
14	296	290	294	304	288	295	304	299	301	312	306	310
15	297	290	294	304	288	297	304	298	302	312	296	304
16	298	290	294	305	292	299	305	284	299	311	304	309
17	297	285	293	306	294	300	301	284	295	313	304	309
18	298	287	294	303	217	273	303	295	299	310	305	308
19	298	284	294	286	227	268	305	298	302	311	302	308
20	297	279	290	303	283	291	306	299	303	313	304	308
21	298	286	294	304	291	298	307	299	304	314	304	309
22	298	276	292	308	296	302	306	295	302	314	287	309
23	297	286	293	305	294	300	306	275	295	313	304	310
24	300	291	295	309	290	298	295	287	292	313	298	306
25	297	293	297	307	293	299	302	293	297	300	177	254
26	---	---	---	306	289	298	305	297	302	288	231	263
27	---	---	---	304	186	251	306	297	303	296	288	291
28	301	294	297	292	251	271	307	297	303	304	296	300
29	302	297	300	299	283	291	309	177	287	306	300	304
30	303	297	301	303	294	298	288	177	254	309	300	305
31	307	297	302	---	---	---	305	288	297	311	303	308
MONTH	307	276	294	321	186	295	309	177	298	316	177	301

02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	312	302	308	275	267	272	290	284	287	300	293	296
2	314	306	312	277	257	269	292	284	289	296	233	265
3	314	304	310	274	261	267	292	284	289	292	272	283
4	315	304	310	278	266	273	294	285	290	298	288	292
5	317	78	298	280	271	277	292	284	289	297	290	294
6	162	55	121	279	113	198	294	284	289	322	290	297
7	202	162	186	233	219	226	293	284	289	322	294	303
8	226	202	214	243	233	237	293	270	282	299	292	296
9	240	226	233	253	242	247	290	278	284	298	290	295
10	251	240	246	260	253	256	293	269	288	299	291	296
11	257	243	253	266	258	261	277	240	255	300	292	296
12	243	189	216	269	261	265	278	266	272	300	268	294
13	248	235	242	272	262	268	271	242	260	293	237	276
14	254	248	250	275	263	270	275	268	271	294	270	282
15	255	205	233	278	267	274	278	274	276	305	293	298
16	251	234	245	279	166	231	281	277	279	305	266	292
17	258	251	253	271	240	259	284	278	280	303	292	298
18	262	258	259	274	263	269	287	281	284	301	249	296
19	267	262	264	277	264	272	289	283	286	284	228	263
20	269	264	267	279	264	274	289	283	286	298	284	291
21	272	267	268	282	265	275	291	285	288	303	296	299
22	275	271	272	282	269	277	293	288	290	303	295	300
23	278	274	276	284	269	278	295	289	292	302	279	289
24	280	274	278	285	269	279	295	288	292	303	291	295
25	281	252	275	287	270	280	295	288	292	303	294	300
26	257	171	228	290	271	282	295	286	290	303	293	299
27	266	257	262	290	274	284	296	290	293	302	293	299
28	270	264	267	292	276	286	298	291	295	303	212	278
29	272	265	269	294	268	285	296	289	293	295	266	285
30	---	---	---	284	274	280	296	288	291	304	295	299
31	---	---	---	287	280	284	---	---	---	305	145	228
MONTH	317	55	256	294	113	266	298	240	285	322	145	289
		JUNE			JULY			AUGUST			SEPTEMBER	
1	289	257	276	300	295	298	306	296	302	315	302	310
2	295	259	289	301	178	297	317	295	304	314	302	309
3	304	163	258	301	178	253	307	295	302	314	266	300
4	295	213	265	307	295	301	306	294	301	300	276	293
5	304	295	300	308	302	305	306	280	299	311	300	304
6	306	300	304	309	302	306	304	295	300	313	304	310
7	306	302	304	306	289	300	306	295	301	315	279	298
8	308	301	305	297	286	292	307	295	302	303	282	290
9	308	300	305	305	297	300	306	295	302	313	303	307
10	310	300	306	307	300	304	305	294	300	315	307	312
11	308	300	305	307	300	305	306	295	302	316	307	312
12	308	300	305	310	178	281	306	114	200	316	305	311
13	309	303	307	295	213	268	280	257	269	315	304	310
14	310	301	307	307	295	301	289	280	283	314	305	311
15	310	293	303	308	301	305	294	286	289	314	305	310
16	306	259	293	309	299	304	296	287	292	312	59	202
17	297	286	291	305	289	298	297	287	293	---	---	---
18	299	254	289	306	297	301	299	289	295	---	---	---
19	294	248	276	308	299	304	300	289	296	---	---	---
20	299	290	294	308	296	303	299	234	281	283	278	281
21	301	291	297	307	294	302	286	257	272	290	283	286
22	302	285	297	307	295	302	323	286	299	295	290	293
23	298	268	275	307	296	303	310	300	306	298	295	296
24	268	121	191	307	296	303	312	302	308	302	297	299
25	265	181	237	307	280	298	318	299	310	302	299	300
26	279	265	273	301	137	258	316	304	311	304	299	301
27	283	275	280	275	218	251	316	304	311	305	300	303
28	285	272	278	296	275	286	316	301	310	305	300	303
29	291	285	287	302	292	297	315	303	310	307	302	305
30	298	291	294	311	298	303	317	303	311	307	301	304
31	---	---	---	305	294	300	315	304	311	---	---	---
MONTH	310	121	286	311	137	294	323	114	296	316	59	299
YEAR	323	55	288									

02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.2	15.3	16.7	17.6	15.6	16.6	11.1	8.7	10	11.2	8.3	9.8
2	17.0	14.2	15.8	17.1	15.6	16.5	10.8	8.8	10	13.5	10.4	11.8
3	16.8	13.4	15.3	16.9	15.0	16.1	11.0	9.3	10.3	15.5	13.5	14.5
4	18.3	15.3	16.8	18.0	16.5	17.0	11.3	10.6	11.0	16.5	15.0	15.7
5	18.9	16.2	17.7	19.0	17.9	18.4	11.2	9.5	10.5	16.0	11.1	14.2
6	18.9	17.7	18.4	19.1	18.8	18.9	9.5	8.8	9.2	11.1	8.2	9.9
7	19.4	17.6	18.6	18.8	16.9	17.9	9.6	7.2	8.6	8.2	6.3	7.3
8	19.8	17.5	18.6	17.0	15.4	16.3	10.0	7.3	8.9	8.5	7.1	7.8
9	19.2	17.4	18.6	16.0	13.8	15.0	12.9	9.3	11.0	9.0	8.3	8.7
10	19.4	18.2	18.7	15.8	14.3	15.2	12.9	9.7	11.7	8.6	7.3	8.0
11	19.5	18.1	18.9	16.4	14.4	15.4	10.0	8.9	9.5	8.7	6.0	7.5
12	19.9	17.5	18.7	16.9	15.5	16.1	9.6	7.5	8.6	9.8	6.6	8.3
13	19.9	17.5	18.8	16.9	12.2	14.9	9.7	8.8	9.2	11.6	8.6	10.1
14	19.3	17.7	18.8	12.3	10.1	11.4	10.0	9.0	9.8	11.6	9.8	10.8
15	17.7	15.3	16.3	13.4	11.0	12.3	9.7	7.7	8.9	11.3	9.6	10.8
16	16.8	14.1	15.6	14.7	12.8	13.6	12.4	9.2	10.8	10.6	7.8	9.4
17	16.1	14.5	15.3	16.7	14.6	15.6	11.3	8.5	9.6	11.2	9.3	10.2
18	16.5	14.4	15.5	17.1	16.1	16.6	9.8	7.5	8.7	12.2	11.0	11.7
19	16.6	14.1	15.4	16.8	13.7	15.7	9.2	7.7	8.6	11.0	7.3	9.1
20	17.2	14.5	16.0	14.4	11.9	13.3	8.0	6.4	7.3	8.0	5.7	7.1
21	18.2	15.3	16.8	14.3	11.8	13.3	8.2	5.8	7.2	8.7	6.3	7.6
22	18.1	15.6	17.1	14.9	12.7	13.8	10.6	7.7	9.1	8.9	6.4	7.9
23	17.5	14.9	16.5	15.4	13.3	14.3	11.9	9.9	10.9	8.7	6.8	8.0
24	17.9	15.5	16.7	15.5	10.9	13.6	11.5	8.2	10.0	11.8	7.9	9.7
25	17.5	16.4	16.9	11.1	9.0	10.3	8.4	6.5	7.6	12.8	11.5	12.1
26	---	---	---	12.6	9.7	11.1	8.7	6.1	7.6	12.0	10.8	11.3
27	---	---	---	14.5	12.6	13.5	9.5	6.8	8.3	11.4	8.5	10.5
28	15.0	13.4	14.7	14.6	10.9	13.3	10.5	7.4	9.0	9.2	6.7	8.1
29	15.8	13.3	14.7	10.9	9.2	10.0	12.8	10.4	11.5	9.7	6.3	8.1
30	16.4	13.7	15.2	10.7	8.2	9.6	11.9	8.9	10.1	11.2	9.0	9.9
31	17.1	15.0	16.0	---	---	---	10.3	7.5	9.0	10.1	7.0	8.7
MONTH	19.9	13.3	16.9	19.1	8.2	14.5	12.9	5.8	9.4	16.5	5.7	9.8
		FEBRUARY			MARCH			APRIL			MAY	
1	11.1	8.1	9.6	15.6	12.8	14.3	15.2	11.5	13.4	20.3	17.7	18.9
2	10.6	9.8	10.1	14.9	14.5	14.8	17.0	11.5	14.3	19.2	16.6	18.1
3	10.3	8.4	9.9	17.5	14.0	15.7	17.6	12.2	14.9	17.4	14.9	16.1
4	10.3	7.0	8.8	17.9	14.6	16.3	17.3	12.3	14.8	18.3	13.4	15.9
5	13.3	9.5	10.7	17.7	16.2	16.9	17.3	11.7	14.6	20.3	14.8	17.5
6	13.4	10.9	11.8	17.6	15.0	16.3	18.9	13.3	16.0	21.5	16.7	18.9
7	10.9	9.4	10.2	16.9	13.5	14.9	18.6	14.0	16.5	21.9	17.0	19.4
8	11.4	8.8	10	15.5	11.9	13.5	19.1	16.2	17.4	22.3	17.7	20.1
9	12.6	9.4	11.0	14.8	11.9	13.1	19.7	14.7	17.2	22.2	18.1	20.2
10	12.3	11.7	12.0	15.1	10.6	12.7	18.9	14.6	16.8	21.5	19.3	20.3
11	11.8	10.8	11.5	15.6	10.5	13.0	17.4	16.3	16.8	22.6	18.8	20.6
12	10.8	9.6	10.3	15.8	11.6	13.6	18.5	16.0	17.1	21.8	18.9	20.4
13	11.9	9.9	10.9	16.0	11.5	13.7	16.8	12.5	14.2	21.1	19.6	20.2
14	12.5	11.0	11.7	16.9	13.2	15.1	16.7	11.8	14.0	22.6	19.2	20.8
15	11.9	10.0	10.9	16.3	14.6	15.5	18.1	12.2	15.1	21.8	19.5	20.7
16	11.1	9.9	10.5	17.9	14.7	16.0	19.1	13.6	16.4	21.7	19.6	20.7
17	11.6	10.2	10.9	17.4	13.0	15.1	20.0	14.8	17.4	21.9	19.4	20.5
18	12.6	9.1	10.8	17.4	13.4	15.3	20.5	15.5	18.0	22.4	19.5	20.7
19	13.3	9.2	11.2	19.2	13.8	16.4	20.6	15.9	18.3	23.5	20.7	22.0
20	13.2	11.1	12.3	19.9	14.8	17.4	19.7	16.2	18.1	23.5	20.0	21.7
21	14.2	11.4	12.8	17.9	13.8	16.4	19.9	16.7	18.3	24.0	20.1	22.0
22	13.7	9.9	11.9	15.5	11.3	13.3	20.9	17.4	19.1	23.4	20.6	22.1
23	12.3	11.1	11.8	16.1	10.6	13.3	21.7	17.8	19.7	24.0	20.4	22.2
24	13.3	12.1	12.7	17.6	12.2	14.9	21.6	18.0	19.8	23.4	21.0	22.0
25	12.8	10.0	11.9	19.2	13.9	16.6	19.8	18.2	18.8	23.9	20.5	22.0
26	10.0	7.8	9.2	20.1	14.8	17.4	19.0	17.3	18.1	23.1	20.5	21.8
27	11.9	9.7	10.6	19.9	15.1	17.6	19.4	15.2	17.2	24.3	20.4	22.1
28	13.6	8.9	11.2	20.7	15.3	18.0	19.1	14.2	16.7	22.5	20.9	21.7
29	14.2	10.5	12.4	19.0	15.8	17.6	18.7	15.4	17.3	22.3	20.5	21.2
30	---	---	---	18.9	15.3	17.0	19.0	17.3	18.2	24.1	20.8	22.3
31	---	---	---	15.3	12.9	14.1	---	---	---	22.8	20.3	21.2
MONTH	14.2	7.0	11.0	20.7	10.5	15.3	21.7	11.5	16.8	24.3	13.4	20.5

02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.5	18.9	19.7	22.1	20.7	21.4	25.3	21.6	23.2	23.1	21.0	22.0
2	19.9	18.7	19.3	23.4	20.7	21.8	24.9	21.7	23.3	23.7	20.8	22.2
3	20.4	18.3	19.4	24.0	21.2	22.6	25.3	21.3	23.2	22.7	21.3	22.0
4	21.9	19.4	20.5	24.5	21.3	22.7	25.3	21.6	23.4	22.6	21.2	21.8
5	21.6	18.5	20.0	24.4	20.8	22.6	24.5	22.0	23.3	23.5	20.2	21.8
6	21.9	18.5	20.3	24.7	21.6	23.1	24.5	20.9	22.6	23.4	20.7	22.1
7	20.9	19.9	20.2	24.2	21.2	22.6	23.2	19.5	21.4	22.4	21.1	21.5
8	22.6	19.0	20.6	24.5	20.9	22.7	23.7	19.7	21.6	22.8	20.8	21.7
9	23.3	19.9	21.6	25.1	21.5	23.2	22.5	19.9	21.3	23.3	20.0	21.6
10	23.9	20.4	22.1	25.3	21.6	23.4	23.7	21.0	22.2	23.2	19.8	21.5
11	24.0	20.8	22.4	25.0	21.6	23.3	24.1	20.5	22.2	23.2	20.4	21.8
12	25.0	21.2	23.0	24.3	21.9	23.0	22.5	20.0	20.4	23.2	20.9	22.0
13	23.3	20.9	21.8	25.4	21.6	23.4	21.3	18.1	19.7	23.0	20.8	21.8
14	22.4	20.3	21.3	25.8	22.0	23.8	21.3	17.3	19.3	23.0	20.2	21.7
15	22.2	20.7	21.4	24.8	21.8	23.3	21.8	17.6	19.6	21.8	20.4	21.1
16	23.9	21.0	22.3	23.5	21.0	22.3	21.6	18.2	19.9	22.6	20.8	21.6
17	24.8	21.3	23.0	22.6	21.1	21.8	22.4	19.4	20.8	---	---	---
18	25.2	21.8	23.4	24.5	21.2	22.7	23.1	19.2	21.1	---	---	---
19	25.7	22.2	23.8	24.0	20.5	22.3	23.1	20.0	21.6	---	---	---
20	24.2	21.7	23.0	23.8	20.2	22.0	22.7	20.4	21.5	19.9	18.5	19.3
21	24.7	21.5	23.0	24.3	20.4	22.3	22.4	21.1	21.7	20.3	17.4	18.8
22	24.6	21.5	22.8	24.3	21.0	22.6	22.8	20.5	21.6	20.7	17.6	19.1
23	23.0	22.0	22.6	24.8	21.3	23.0	23.4	20.6	21.8	20.9	17.7	19.4
24	23.5	21.8	22.9	25.1	21.7	23.4	22.2	20.7	21.5	21.5	18.4	20.0
25	22.6	21.4	22.1	24.9	22.3	23.4	22.7	20.8	21.8	21.6	19.1	20.3
26	22.3	20.6	21.3	24.6	21.7	23.0	23.2	21.1	22.1	21.5	18.9	20.2
27	21.9	20.7	21.2	23.8	22.3	23.2	24.5	21.2	22.7	21.3	19.0	20.2
28	21.4	20.3	20.9	23.9	20.8	22.4	24.4	21.6	22.9	20.9	18.6	19.8
29	22.5	20.2	21.2	24.0	20.5	22.3	23.9	21.2	22.5	20.8	18.3	19.5
30	22.5	20.6	23.2	24.2	21.7	22.9	23.4	21.4	22.3	19.7	16.7	18.3
31	---	---	---	23.8	22.0	22.9	23.6	20.7	22.0	---	---	---
MONTH	25.7	18.3	21.7	25.8	20.2	22.8	25.3	17.3	21.8	23.7	16.7	20.9
YEAR	25.8	5.7	16.8									

02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.5	6.5	9.2	10.9	3.9	8.2	---	---	---	13.3	11.1	12.1
2	10.8	7.8	9.6	11.3	3.4	9.2	13.7	11.4	12.3	12.3	10.3	11.4
3	10.9	6.9	9.6	10.4	4.1	9.2	13.1	11.1	11.9	11.6	9.7	10.5
4	10.5	7.9	9.3	9.8	4.2	8.7	12.3	11.1	11.4	11.1	9.4	10.1
5	10.2	5.9	8.7	---	---	---	12.1	11.1	11.5	11.6	9.5	10.4
6	9.8	6.5	8.5	---	---	---	12.9	11.6	12.1	13.0	11.6	12.4
7	10.6	8.3	9.3	10.6	6.9	8.7	13.5	11.6	12.4	14.4	12.7	13.4
8	10.7	8.9	9.8	10.1	8.0	8.8	13.5	11.4	12.3	13.9	12.4	13.1
9	10.9	7.9	9.6	10.9	5.9	9.0	13.0	10.2	11.6	13.1	12.3	12.7
10	10.5	8.2	9.5	10.7	6.6	8.9	11.5	10.2	10.9	14.3	12.7	13.2
11	10.7	8.7	9.7	11.0	3.1	8.4	13.2	11.5	12.1	14.7	12.5	13.5
12	11.0	7.8	9.7	9.3	4.0	8.0	13.7	11.7	12.5	14.4	12.0	13.1
13	11.1	9.1	9.9	11.3	4.1	9.5	12.6	11.4	12.0	13.8	11.3	12.5
14	10.4	8.2	9.5	12.6	10.2	11.3	12.4	11.5	11.8	13.1	10.9	11.8
15	11.5	9.1	10.2	11.8	6.7	10.2	13.5	11.6	12.3	13.4	11.2	12.1
16	11.8	8.8	10.5	10.7	4.1	9.8	12.9	10.5	11.6	14.4	11.5	12.7
17	11.3	8.1	10.3	10.8	4.7	7.3	13.1	10.9	12.0	13.4	11.0	12.2
18	12.0	7.4	10.4	10.2	4.3	7.8	13.6	11.7	12.4	12.2	10.4	11.3
19	11.2	6.3	10	11.2	9.7	10.4	13.8	11.9	12.7	14.3	11.4	12.9
20	11.9	7.5	10.1	12.3	9.1	10.9	14.5	12.5	13.4	15.2	11.7	13.5
21	11.3	5.7	9.7	12.5	4.4	9.5	14.8	12.7	13.6	14.9	8.4	12.6
22	11.5	8.1	10.2	11.5	4.1	9.6	14.5	11.8	13.1	14.6	5.6	11.2
23	11.8	8.8	10.3	11.1	5.4	8.9	13.5	11.4	12.1	14.3	9.6	12.1
24	11.8	5.9	9.9	12.6	8.6	11.6	13.9	11.5	12.6	14.6	11.3	12.8
25	12.1	10.0	10.6	14.1	11.8	12.7	14.9	12.7	13.6	11.9	10.9	11.5
26	---	---	---	14.1	6.6	11.8	14.9	12.6	13.6	12.7	10.6	11.6
27	---	---	---	12.4	5.0	9.7	14.6	12.3	13.3	12.2	10.7	11.3
28	11.4	7.9	10.1	10.8	4.2	7.7	14.4	11.8	13.0	13.3	11.5	12.2
29	10.9	8.9	9.8	12.3	4.6	8.2	12.8	10.4	11.4	13.5	11.2	12.2
30	11.0	6.8	9.4	---	---	---	12.6	11.0	11.8	13.1	11.0	11.7
31	11.3	3.1	8.3	---	---	---	13.4	11.5	12.3	13.6	11.2	12.1
MONTH	12.1	3.1	9.7	14.1	3.1	9.4	14.9	10.2	12.3	15.2	5.6	12.1
		FEBRUARY			MARCH			APRIL			MAY	
1	13.7	10.9	12.0	11.9	9.8	10.7	10.7	9.5	10	10.3	8.9	9.6
2	12.8	11.0	11.7	11.2	10.0	10.4	11.3	9.0	10.1	9.8	9.0	9.5
3	13.3	11.2	12.1	11.7	9.3	10.4	11.1	9.1	10	10.8	9.8	10.3
4	14.3	11.3	12.5	11.6	9.1	10.2	11.0	9.2	10.0	11.3	9.3	10.3
5	12.3	10.5	11.4	11.1	9.0	9.8	11.2	9.2	10.2	10.8	8.8	9.8
6	15.7	10.8	14.7	10.1	9.0	9.8	11.1	8.7	9.8	10.2	8.6	9.3
7	15.9	15.3	15.6	10.7	9.7	10.2	10.8	8.4	9.6	10.0	8.3	9.1
8	15.9	14.0	15.1	11.5	10.2	10.8	9.8	8.2	8.9	9.9	8.2	8.9
9	14.0	11.3	12.7	11.4	10.6	10.9	9.8	8.0	8.9	9.8	8.2	8.9
10	11.3	9.5	10.4	12.2	10.4	11.2	10.0	8.1	9.1	9.8	8.3	8.9
11	---	---	---	12.3	10.1	11.1	9.1	8.4	8.8	9.8	8.1	8.8
12	---	---	---	12.2	10.1	11.0	9.3	8.3	8.8	9.7	8.3	8.9
13	---	---	---	12.4	9.9	11.1	10.2	8.7	9.6	9.5	8.3	8.7
14	---	---	---	12.1	9.6	10.7	10.8	9.2	10.0	9.4	7.9	8.7
15	---	---	---	11.8	9.7	10.4	10.8	8.8	9.8	9.7	8.2	8.8
16	---	---	---	10.2	9.6	9.9	10.4	8.4	9.4	9.7	8.2	8.7
17	---	---	---	11.6	9.6	10.5	10.1	8.3	9.2	9.7	8.2	8.8
18	---	---	---	11.6	9.5	10.5	10.0	8.2	9.1	9.7	8.1	8.8
19	---	---	---	11.8	9.1	10.3	9.9	8.2	9.0	9.4	8.1	8.6
20	11.2	10.4	10.7	11.8	8.9	10.1	9.8	8.4	9.0	9.6	8.0	8.7
21	11.4	10.3	10.8	11.8	9.2	10.3	9.6	8.3	8.9	9.6	7.9	8.6
22	12.0	10.4	11.1	12.6	10.2	11.1	9.5	8.1	8.8	9.6	8.0	8.6
23	11.6	10.7	11.1	12.7	9.9	11.2	9.5	8.0	8.6	9.4	8.0	8.6
24	11.6	10.4	10.9	12.4	9.4	10.8	9.6	8.0	8.7	9.6	8.1	8.6
25	11.5	10.5	11.0	11.8	9.0	10.2	9.4	8.3	8.9	9.7	7.9	8.6
26	12.4	11.5	12.0	11.4	8.7	9.9	9.7	8.7	9.0	9.7	8.1	8.7
27	12.3	11.1	11.7	11.2	8.7	9.8	10.1	8.6	9.3	9.6	7.8	8.6
28	12.7	10.6	11.6	11.0	8.5	9.6	10.3	8.6	9.5	9.5	8.0	8.5
29	12.4	10.3	11.3	10.8	8.5	9.4	10.0	8.5	9.2	8.9	8.2	8.5
30	---	---	---	10.2	7.9	9.0	9.9	8.6	9.3	9.2	7.8	8.5
31	---	---	---	10.4	8.7	9.6	---	---	---	9.0	8.0	8.7
MONTH	15.9	9.5	12.0	12.7	7.9	10.4	11.3	8.0	9.3	11.3	7.8	8.9

02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.5	8.9	9.2	9.3	8.6	8.9	8.8	7.2	7.9	9.8	8.1	8.7
2	9.6	8.9	9.2	9.3	8.3	8.8	8.5	7.2	7.8	9.6	8.0	8.7
3	9.7	9.0	9.2	9.0	8.0	8.5	8.5	7.2	7.8	9.5	8.0	8.6
4	9.6	8.7	9.1	9.0	7.9	8.4	8.9	7.2	7.8	9.5	8.0	8.6
5	9.9	8.7	9.2	9.1	8.0	8.5	8.7	7.2	7.8	9.6	8.0	8.7
6	9.8	8.6	9.2	9.1	7.9	8.4	8.9	7.3	8.0	9.5	8.0	8.6
7	9.5	8.7	9.1	9.2	8.1	8.6	9.2	7.8	8.4	9.0	8.0	8.5
8	9.8	8.5	9.1	9.3	8.1	8.7	9.1	7.8	8.4	9.4	8.2	8.8
9	9.7	8.3	8.9	9.3	8.1	8.6	9.3	7.9	8.5	9.7	8.2	8.8
10	9.6	8.3	8.8	9.3	8.1	8.6	10.3	8.0	8.7	9.7	8.2	8.8
11	9.5	8.1	8.8	9.4	8.1	8.7	9.7	8.0	8.8	9.8	8.2	8.8
12	9.4	8.0	8.6	9.4	8.3	8.7	9.2	8.2	8.9	9.7	8.2	8.8
13	9.5	8.1	8.7	9.4	8.1	8.7	9.7	8.8	9.2	9.8	8.2	8.8
14	9.8	8.5	9.1	9.4	8.1	8.6	10.1	8.8	9.3	9.6	8.1	8.7
15	9.6	8.6	9.0	9.5	8.3	8.8	10.1	8.7	9.3	9.7	8.2	8.8
16	9.3	8.1	8.7	9.8	8.4	9.0	10.2	8.7	9.3	8.8	8.4	8.6
17	9.3	8.0	8.6	9.7	8.7	9.1	9.9	8.5	9.1	---	---	---
18	9.3	7.9	8.5	9.8	8.3	9.0	10.0	8.4	9.0	---	---	---
19	9.1	7.9	8.4	9.8	8.5	9.1	9.8	8.4	9.0	---	---	---
20	9.4	8.0	8.6	10.2	8.0	8.9	9.7	8.4	8.9	9.3	8.8	8.9
21	9.3	7.9	8.6	9.3	7.9	8.6	9.5	8.4	8.8	9.6	9.0	9.3
22	9.5	8.0	8.6	9.4	7.8	8.5	9.7	8.5	8.9	9.6	8.9	9.2
23	9.2	8.4	8.6	9.1	7.4	8.2	9.8	8.3	8.9	9.5	8.8	9.1
24	9.0	8.5	8.8	8.9	7.1	7.9	9.8	8.4	9.0	9.4	8.6	9.0
25	9.1	8.7	8.9	8.8	7.2	7.7	9.6	8.1	8.8	9.3	8.6	8.9
26	9.5	8.8	9.1	8.6	7.3	7.8	9.5	8.1	8.6	9.3	8.7	8.9
27	9.5	8.9	9.1	7.9	7.3	7.7	9.4	7.8	8.5	9.5	8.6	8.9
28	9.7	9.0	9.2	8.6	7.4	7.9	9.5	7.9	8.4	9.5	8.6	9.0
29	9.7	8.8	9.2	8.5	7.3	7.9	9.6	7.9	8.5	9.6	8.7	9.1
30	9.5	8.4	8.9	8.5	7.4	7.9	9.5	8.0	8.6	9.9	8.8	9.3
31	---	---	---	8.7	7.4	7.9	9.8	8.1	8.7	---	---	---
MONTH	9.9	7.9	8.9	10.2	7.1	8.5	10.3	7.2	8.6	9.9	8.0	8.8
YEAR	15.9	3.1	9.9									

02456000 TURKEY CREEK AT MORRIS, AL

LOCATION.--Lat 33° 44'25", long 86° 48'45", in SW $^1/_4$ sec. 12, T. 15 S., R. 3 W., Jefferson County, Hydrologic Unit 03160111, on downstream side of pier of bridge on county road (former U.S. Highway 31), at Morris, 0.8 mi downstream from Cunningham Creek, at mile 4.0.

DRAINAGE AREA.--80.9 mi^2.

PERIOD OF RECORD.--January 1944 to September 1979, March 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 345.18 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: Mar. 19-23, Jun. 21-24. 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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1942 reached a stage of 22.6 ft from information by local residents. Flood of March 11, 2000 reached a stage of 21.52 ft, discharge 13,900 ft^3/s, from highwater mark. Flood of Feb. 6, 2004 reached a stage of 22.54 ft, discharge 13,200 ft^3/s, from record.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0730	*13,200	*22.54	Sep 17	0000	6,790	15.60
Mar 6	0830	2,450	8.79				

Minimum discharge, 21 ft^3/s, Aug. 8, 9, minimum gage height, 0.42 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	30	35	50	71	150	67	64	85	68	29	23
2	34	30	32	45	68	159	66	104	87	60	27	23
3	33	30	30	42	69	165	63	73	109	101	26	64
4	33	31	32	41	64	148	61	57	126	69	24	62
5	33	31	34	195	118	141	61	51	71	59	26	33
6	33	36	32	155	6,930	1,220	55	47	56	58	29	27
7	34	33	30	98	700	497	54	47	51	67	23	29
8	33	31	29	81	378	307	73	41	46	79	22	44
9	33	31	28	98	268	238	70	39	41	63	21	34
10	33	30	37	87	225	183	62	37	37	45	27	29
11	34	30	41	77	193	153	217	42	35	42	31	26
12	33	31	38	71	527	138	180	40	32	43	409	25
13	33	30	35	67	342	121	282	70	30	74	65	24
14	34	30	36	64	262	109	198	69	30	54	38	24
15	32	30	35	61	426	100	139	49	36	48	36	23
16	32	31	34	58	365	216	118	68	44	45	30	1,910
17	31	32	38	57	260	136	98	59	46	42	28	2,030
18	33	47	36	60	208	118	85	48	40	45	26	284
19	32	68	33	58	180	e99	75	121	43	36	25	160
20	31	40	31	56	163	e90	69	59	32	30	47	116
21	31	31	31	53	148	e84	66	46	e29	29	73	93
22	31	27	30	52	132	e79	62	41	e37	28	40	79
23	31	26	31	50	121	e75	57	44	e60	27	34	70
24	31	28	42	50	114	73	53	40	e265	26	31	65
25	30	27	39	238	121	69	51	37	254	43	29	59
26	30	26	36	260	358	66	59	34	175	90	28	53
27	31	95	34	145	238	65	54	33	138	130	27	51
28	31	72	33	107	189	63	48	37	124	53	25	49
29	31	45	35	93	164	68	46	50	104	37	25	47
30	30	39	118	84	---	82	54	38	80	33	24	44
31	30	---	62	76	---	80	---	233	---	31	24	---
TOTAL	995	1,098	1,167	2,729	13,402	5,292	2,643	1,818	2,343	1,655	1,349	5,600
MEAN	32.1	36.6	37.6	88.0	462	171	88.1	58.6	78.1	53.4	43.5	187
MAX	34	95	118	260	6,930	1,220	282	233	265	130	409	2,030
MIN	30	26	28	41	64	63	46	33	29	26	21	23
CFSM	0.40	0.45	0.47	1.09	5.71	2.11	1.09	0.72	0.97	0.66	0.54	2.31
IN.	0.46	0.50	0.54	1.25	6.16	2.43	1.22	0.84	1.08	0.76	0.62	2.58

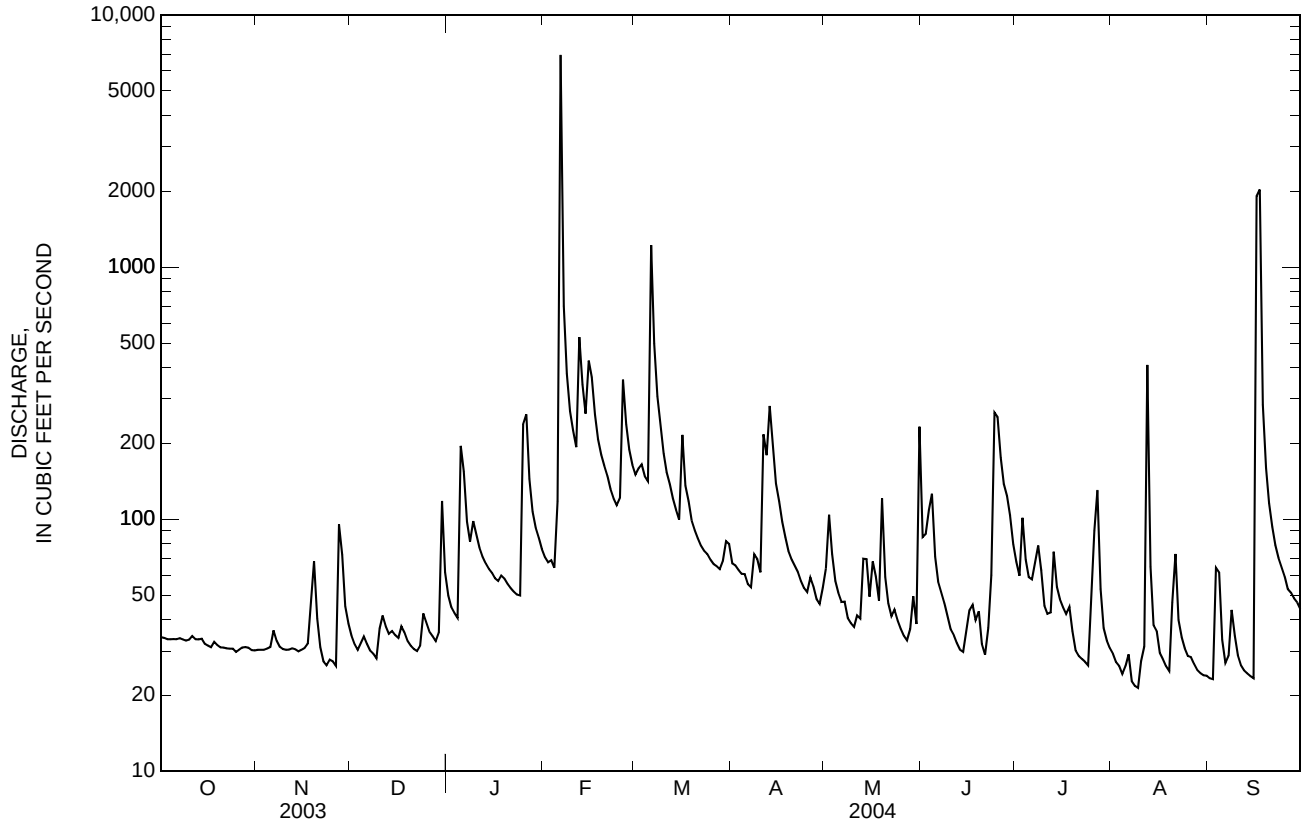
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

MEAN	38.6	69.4	140	251	303	308	215	126	55.8	50.4	34.7	47.9
MAX	311	515	581	690	1,121	712	682	841	240	173	92.2	187
(WY)	(1978)	(1949)	(1962)	(1949)	(1961)	(1976)	(1979)	(2003)	(1973)	(2002)	(1975)	(2004)
MIN	10.4	11.8	24.3	25.8	70.9	76.1	36.6	34.1	22.9	17.5	13.8	12.7
(WY)	(1954)	(1954)	(1966)	(1956)	(1968)	(1967)	(1967)	(1952)	(1967)	(1954)	(1954)	(1955)

02456000 TURKEY CREEK AT MORRIS, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	67,888		40,091			
ANNUAL MEAN	186		110		136	
HIGHEST ANNUAL MEAN					232	1949
LOWEST ANNUAL MEAN					47.1	1967
HIGHEST DAILY MEAN	4,870	May 8	6,930	Feb 6	12,000	Feb 21, 1961
LOWEST DAILY MEAN	26	Nov 23	21	Aug 9	7.8	Oct 5, 1970
ANNUAL SEVEN-DAY MINIMUM	29	Nov 20	24	Aug 3	9.2	Oct 11, 1956
MAXIMUM PEAK FLOW			13,200	Feb 6	15,800	May 7, 2003
MAXIMUM PEAK STAGE			22.54	Feb 6	24.95	May 7, 2003
ANNUAL RUNOFF (CFSM)	2.30		1.35		1.68	
ANNUAL RUNOFF (INCHES)	31.22		18.43		22.80	
10 PERCENT EXCEEDS	327		180		270	
50 PERCENT EXCEEDS	84		48		53	
90 PERCENT EXCEEDS	31		29		16	

e Estimated



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 mi^2.

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 NGVD of 1929 (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.--Estimated daily discharges: Oct. 9. 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 17,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 7	0930	*28,000	*32.71

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 85 ft^3/s, Oct. 28, gage height, 2.47 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	91	354	1,080	975	1,740	898	516	2,540	1,930	424	140
2	131	92	272	787	867	1,600	793	551	1,350	1,540	366	136
3	120	91	224	647	797	1,850	697	646	1,090	1,340	338	159
4	111	90	208	566	739	2,040	620	1,090	813	1,380	292	328
5	107	93	207	856	801	1,710	559	768	616	1,190	259	194
6	105	99	217	2,620	17,700	6,780	520	576	469	942	277	144
7	108	104	240	2,330	27,300	10,900	480	481	393	958	234	130
8	108	104	250	1,530	16,000	5,930	492	405	345	1,270	213	157
9	e108	100	222	1,270	6,890	3,860	571	351	304	1,200	184	177
10	108	99	237	1,240	5,140	2,880	526	310	271	861	171	191
11	108	103	270	1,150	3,650	2,320	686	280	242	673	165	181
12	108	110	332	955	3,970	1,960	956	258	216	574	968	171
13	109	106	443	839	5,340	1,700	1,230	315	199	648	381	148
14	109	101	394	759	4,040	1,480	1,880	345	206	593	214	132
15	104	101	372	698	3,950	1,330	1,430	317	247	468	168	120
16	100	103	410	641	5,790	1,340	1,110	332	333	551	153	1,160
17	102	105	395	591	4,940	1,380	910	324	444	816	141	11,500
18	100	117	364	579	3,560	1,210	772	275	553	610	132	11,900
19	100	200	360	585	2,740	1,050	672	318	523	469	120	4,960
20	98	233	362	604	2,280	936	589	361	473	404	114	2,290
21	95	299	322	557	1,960	851	533	303	339	343	158	1,400
22	94	258	291	492	1,670	775	493	247	281	293	221	1,030
23	95	186	277	457	1,410	711	467	232	304	258	392	803
24	95	156	299	436	1,260	659	440	220	929	233	272	664
25	95	136	316	702	1,230	620	416	191	2,070	214	234	596
26	96	126	340	2,820	2,230	587	400	175	1,990	265	339	515
27	92	214	343	3,180	3,150	554	423	160	2,330	1,670	542	449
28	88	440	304	2,140	2,500	529	418	150	3,790	1,940	290	404
29	88	589	305	1,560	2,040	511	394	184	3,440	951	211	364
30	95	514	580	1,290	---	618	409	204	2,610	637	171	330
31	95	---	1,250	1,120	---	797	---	1,380	---	506	150	---
TOTAL	3,208	5,160	10,760	35,081	134,919	61,208	20,784	12,265	29,710	25,727	8,294	40,873
MEAN	103	172	347	1,132	4,652	1,974	693	396	990	830	268	1,362
MAX	136	589	1,250	3,180	27,300	10,900	1,880	1,380	3,790	1,940	968	11,900
MIN	88	90	207	436	739	511	394	150	199	214	114	120
CFSM	0.12	0.19	0.39	1.28	5.26	2.23	0.78	0.45	1.12	0.94	0.30	1.54
IN.	0.13	0.22	0.45	1.47	5.67	2.57	0.87	0.52	1.25	1.08	0.35	1.72

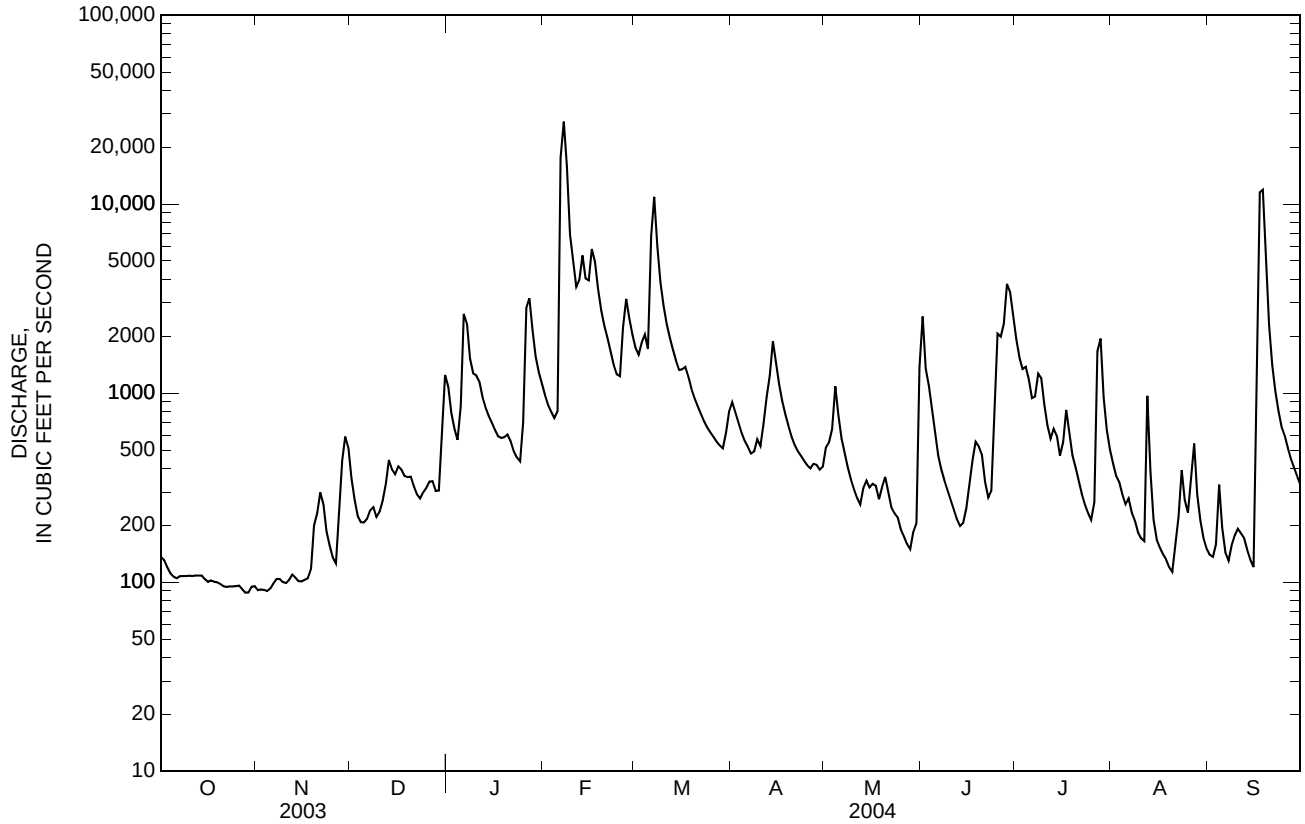
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	371	899	1,603	2,796	3,196	3,401	2,369	1,311	580	495	263	375
MAX	3,091	9,451	5,911	8,224	9,796	10,170	7,346	6,601	5,392	3,055	1,180	2,712
(WY)	(1978)	(1930)	(1962)	(1947)	(1961)	(1980)	(1979)	(2003)	(1997)	(1989)	(1975)	(1979)
MIN	29.8	45.8	85.5	174	678	794	295	199	74.1	65.9	61.9	44.6
(WY)	(1932)	(1954)	(1944)	(1956)	(2000)	(1988)	(1986)	(1952)	(1988)	(1944)	(1953)	(1931)

02456500 LOCUST FORK AT SAYRE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	617,042		387,989			
ANNUAL MEAN	1,691		1,060		1,460	
HIGHEST ANNUAL MEAN					2,440	1949
LOWEST ANNUAL MEAN					585	1986
HIGHEST DAILY MEAN	31,500	May 8	27,300	Feb 7	54,000	Feb 23, 1961
LOWEST DAILY MEAN	88	Oct 28	88	Oct 28	18	Sep 28, 1931
ANNUAL SEVEN-DAY MINIMUM	91	Oct 28	91	Oct 28	20	Sep 30, 1931
MAXIMUM PEAK FLOW			28,000	Feb 7	55,300	Jan 7, 1949
MAXIMUM PEAK STAGE			32.71	Feb 7	48.60	Feb 23, 1961
ANNUAL RUNOFF (CFSM)	1.91		1.20		1.65	
ANNUAL RUNOFF (INCHES)	25.94		16.31		22.41	
10 PERCENT EXCEEDS	3,310		2,240		3,380	
50 PERCENT EXCEEDS	631		438		538	
90 PERCENT EXCEEDS	106		108		79	

e Estimated



02457000 FIVEMILE CREEK AT KETONA, AL

LOCATION.--Lat 33° 36'05", long 86° 45'20", in NW 1/4 sec. 33, T. 16 S., R. 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 mi^2.

PERIOD OF RECORD.--October 1953 to September 1958. October 1958 to November 1974 (annual maximums only). December 1974 to September 1979. May 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 546.70 ft above NGVD of 1929.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0230	*4,620	*14.10	Sep 16	1845	4,250	13.31

Minimum discharge, 7.6 ft^3/s, Sept. 6, gage height, 0.46 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

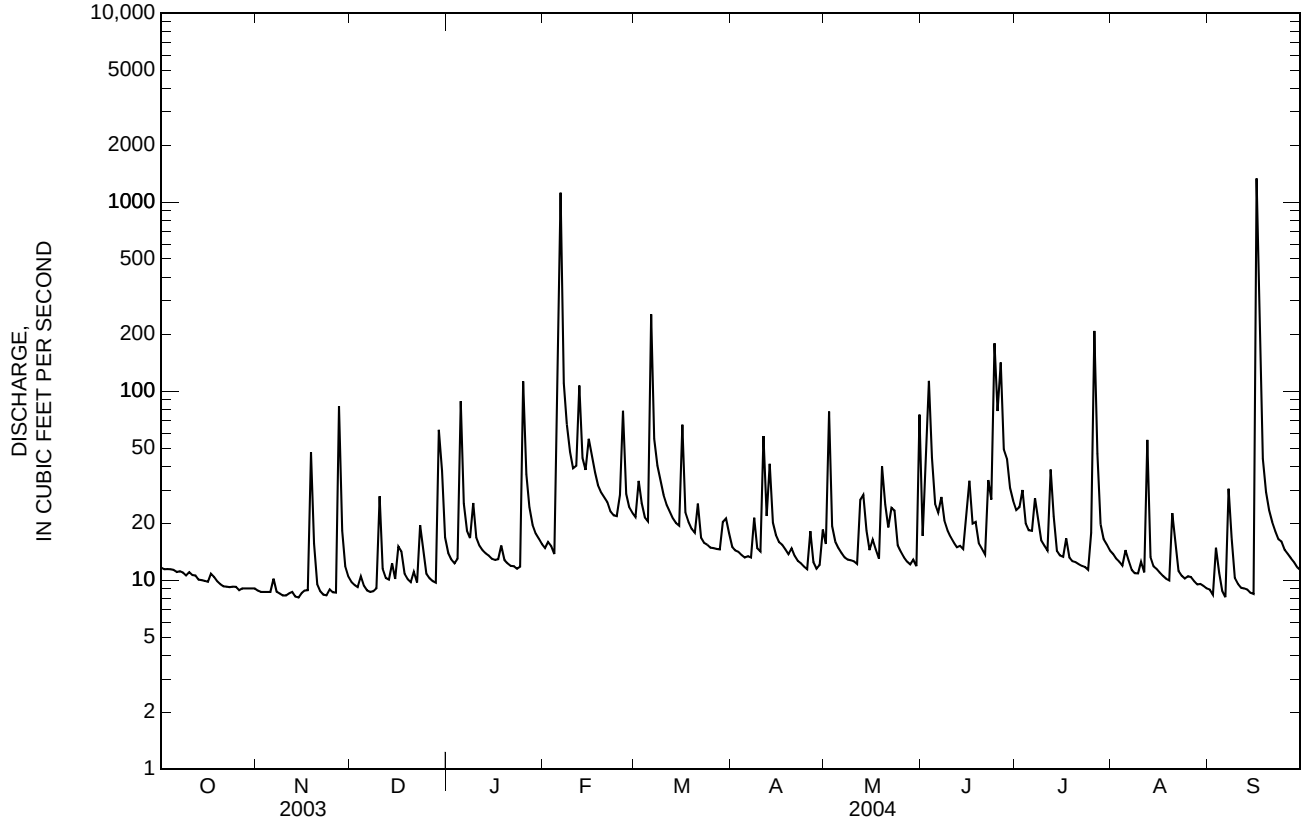
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	8.8	9.8	14	15	22	15	16	17	24	14	8.9
2	11	8.7	9.4	13	16	34	14	78	41	24	13	8.4
3	11	8.7	9.2	12	15	26	14	19	113	30	13	15
4	11	8.7	11	13	14	21	14	16	45	20	12	11
5	11	8.7	9.4	89	57	20	13	15	25	18	14	8.8
6	11	10	8.8	25	1,120	255	13	14	23	18	13	8.1
7	11	8.7	8.7	18	110	56	13	13	28	27	11	30
8	11	8.5	8.8	17	67	40	21	13	21	21	11	17
9	11	8.3	9.1	26	48	34	15	13	18	16	11	10
10	11	8.3	28	17	39	28	14	13	17	15	13	9.6
11	11	8.5	12	15	40	25	58	12	16	14	11	9.1
12	11	8.7	10	14	107	23	22	27	15	38	55	9.0
13	10	8.2	10	14	44	21	41	28	15	22	13	8.9
14	10	8.1	12	14	38	20	20	18	15	14	12	8.6
15	9.9	8.5	10	13	56	19	17	14	23	14	11	8.5
16	9.8	8.8	15	13	46	66	16	16	34	13	11	1,330
17	11	8.9	14	13	37	23	15	15	20	17	11	149
18	10	47	11	15	32	20	15	13	20	13	10	44
19	9.9	16	10	13	29	19	14	40	16	13	10	29
20	9.5	9.5	9.8	12	27	18	15	25	15	12	23	24
21	9.3	8.8	11	12	26	25	13	19	14	12	16	20
22	9.3	8.4	9.7	12	23	17	13	24	34	12	11	18
23	9.2	8.3	20	11	22	16	12	23	27	12	11	16
24	9.3	9.0	15	12	22	15	12	15	179	11	10	16
25	9.2	8.6	11	113	28	15	11	14	79	18	11	14
26	8.9	8.6	10	36	79	15	18	13	142	208	10	14
27	9.0	83	9.9	24	29	15	12	13	49	47	9.9	13
28	9.0	18	9.7	20	24	15	12	12	44	20	9.5	12
29	9.0	12	62	18	23	20	12	13	31	16	9.6	12
30	9.1	10	38	17	---	21	19	12	26	15	9.3	11
31	9.0	---	17	16	---	18	---	75	---	14	9.0	---
TOTAL	313.4	394.3	439.3	671	2,233	982	513	651	1,162	768	408.3	1,892.9
MEAN	10.1	13.1	14.2	21.6	77.0	31.7	17.1	21.0	38.7	24.8	13.2	63.1
MAX	12	83	62	113	1,120	255	58	78	179	208	55	1,330
MIN	8.9	8.1	8.7	11	14	15	11	12	14	11	9.0	8.1
CFSM	0.42	0.55	0.59	0.91	3.22	1.33	0.72	0.88	1.62	1.04	0.55	2.64
IN.	0.49	0.61	0.68	1.04	3.48	1.53	0.80	1.01	1.81	1.20	0.64	2.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

MEAN	20.0	21.8	29.5	51.3	54.6	77.2	64.4	46.8	31.7	28.8	20.1	26.7
MAX	106	60.9	62.2	118	101	235	210	288	82.6	65.2	58.6	72.4
(WY)	(1978)	(1978)	(2003)	(1975)	(1975)	(1976)	(1979)	(2003)	(1997)	(2002)	(1998)	(1979)
MIN	5.56	8.71	9.67	8.40	18.9	31.7	17.1	15.2	12.0	9.68	9.14	5.90
(WY)	(2001)	(1955)	(2001)	(1956)	(2000)	(2004)	(2004)	(2000)	(1954)	(1954)	(1954)	(2000)

02457000 FIVEMILE CREEK AT KETONA, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	19,574.5		10,428.2			
ANNUAL MEAN	53.6		28.5		38.6	
HIGHEST ANNUAL MEAN					62.4	2003
LOWEST ANNUAL MEAN					20.6	1954
HIGHEST DAILY MEAN	3,980	May 7	1,330	Sep 16	3,980	May 7, 2003
LOWEST DAILY MEAN	8.1	Nov 14	8.1	Nov 14	3.2	Oct 21, 2000
ANNUAL SEVEN-DAY MINIMUM	8.4	Nov 8	8.4	Nov 8	3.3	Oct 18, 2000
MAXIMUM PEAK FLOW			4,620	Feb 6	16,700	May 7, 2003
MAXIMUM PEAK STAGE			14.10	Feb 6	19.14	May 7, 2003
ANNUAL RUNOFF (CFSM)	2.24		1.19		1.62	
ANNUAL RUNOFF (INCHES)	30.47		16.23		21.97	
10 PERCENT EXCEEDS	69		40		65	
50 PERCENT EXCEEDS	23		14		19	
90 PERCENT EXCEEDS	9.3		9.0		8.4	



Date	Time	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Pheophytin a, phytoplankton, ug/L (62360)
DEC													
16...	0930	10.5	758	11	344	346	12.4	112	8.3	8.1	--	--	.3
JUN													
23...	1000	22.0	750	16	237	249	8.5	99	7.9	7.9	2100	3400	--

Date	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Total nitrogen, water, unfltrd mg/L (00600)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
DEC													
16...	.4	--	<.04	<.008	E.09	E.07	.97	.007	.006	<.02	210	--	45.4
JUN													
23...	--	1.2	<.04	E.006	E.09	.27	.89	.065	.024	E.01	130	9	32.0

Date	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium adsorption ratio (00931)	Sodium, percent (00932)	Potassium, water, fltrd, mg/L (00935)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Caffeine, water, fltrd, ug/L (50305)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
DEC													
16...	22.3	2.63	.1	3	.84	4.32	6.8	<.2	6.57	<.5	<2	26	<.06
JUN													
23...	13.0	1.90	.1	3	1.73	2.98	5.8	<.2	6.21	E.2	<2	27	<.06

Date	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Antimony, water, fltrd, ug/L (01095)	Aluminum, water, fltrd, ug/L (01106)	Selenium, water, fltrd, ug/L (01145)	Uranium natural water, fltrd, ug/L (22703)
DEC													
16...	<.04	<.8	E.3	<6	<.08	5.4	.18	<.2	.8	<.20	2	<3	.31
JUN													
23...	<.04	<.8	1.2	8	<.08	4.6	.61	<.2	1.2	E.20	8	<3	.19

Date	Residue total at 105 deg. C, suspended, mg/L (00530)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/d (70302)	Residue water, fltrd, tons/ acre-ft (70303)
DEC					
16...	<10	164	--	--	--
JUN					
23...	11	145	142	6.37	.20

ORGANIC COMPOUNDS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	Cotinine, water, fltrd, ug/L (62005)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)
DEC													
16...	<.5	<1.00	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2
JUN													
23...	E.1	<1.00	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2

Date	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Camphor water, fltrd, ug/L (62070)	Carbazole, water, fltrd, ug/L (62071)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)
DEC													
16...	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	<5	<1
JUN													
23...	E.1	<.5	<.5	<.5	<.5	<.5	<2	<2	M	M	<.5	<5	<1

Date	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Methyl salicylate, water, fltrd, ug/L (62081)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)
DEC													
16...	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2
JUN													
23...	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	M	<.5	M	<1	<2

Date	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)
DEC												
16...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5
JUN												
23...	<.5	<.5	M	<.5	<.5	<.5	<1	<.5	E.1	E.2	E.3	E.1

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Bromacil, water, fltrd, ug/L (04029)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Dichlorvos, water fltrd, ug/L (38775)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)
DEC													
16...	<.025	<.004	<.5	.051	.01	<.006	<.018	<.003	<.005	<.003	<1.00	<.005	<.004
JUN													
23...	--	--	<.5	--	<.5	--	--	--	--	--	<1.00	<.5	--

MOBILE RIVER BASIN

02457000 FIVEMILE CREEK AT KETONA, AL--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Metalaxyl, water, fltrd, ug/L (50359)	D-Limonene, water, fltrd, ug/L (62073)	DEET, water, fltrd, ug/L (62082)	Fipronil, water, fltrd, ug/L (62166)	Fipronil sulfide water, fltrd, ug/L (62167)
DEC 16...	<.009	<.013	<.027	<.010	<.005	.011	<.005	<.006	<.5	<.5	<.5	E.003	E.004
JUN 23...	--	<.5	--	--	<.5	--	--	--	<.5	M	E.1	--	--

Date	Fipronil sulfone water, fltrd, ug/L (62168)	Desulfinyl fipronil amide, wat flt ug/L (62169)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)
DEC 16...	<.024	<.029	<.012	<.006	<.006	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004

Date	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)
DEC 16...	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011	E.006	<.010	<.003

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
DEC 16...	<.022	<.007	<.02	<.050	<.006

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Calcium bed sed <62.5um wet svd field, total, percent (34830)	Magnesium, bed sed <62.5um wet svd fld,tot percent (34900)	Potassium, bed sed <62.5um wet svd fld,tot percent (34940)	Sodium, bed sed <62.5um wet svd field, total, percent (34960)	Sulfur, bed sed <62.5um wet svd field, total, percent (34970)	Phosphorus, bed sed <62.5um wet svd fld,tot percent (34935)	Total carbon, sedimnt <62.5um wsv nat field percent (49267)	Total carbon, bed sed <2 mm, wsv nat field g/kg (49272)	Inorg. carbon, bed sed <62.5um wsv nat field percent (49269)	Inorg. carbon, bed sed <2 mm, wsv nat field g/kg (49270)	Organic carbon, bed sed <62.5um wsv nat field percent (49266)	Organic carbon, bed sed <2 mm, wsv nat field g/kg (49271)	Aluminum, bed sed <62.5um wet svd fld,tot percent (34790)
DEC 17...	1.8	.610	.820	.078	.05	.072	3.0	8.8	.60	3.1	2.4	5.7	4.7

Date	Antimony, bed sed <62.5um wet svd fld,tot ug/g (34795)	Arsenic bed sed <62.5um wet svd field, total, ug/g (34800)	Barium, bed sed <62.5um wet svd field, total, ug/g (34805)	Beryllium, bed sed <62.5um wet svd fld,tot ug/g (34810)	Bismuth bed sed <177um wet svd field, total, ug/g (34816)	Cadmium bed sed <62.5um wet svd field, total, ug/g (34825)	Cerium, bed sed <62.5um wet svd field, total, ug/g (34835)	Chromium, bed sed <62.5um wet svd fld,tot ug/g (34840)	Cobalt, bed sed <62.5um wet svd field, total, ug/g (34845)	Copper, bed sed <62.5um wet svd field, total, ug/g (34850)	Europium, bed sed <62.5um wet svd fld,tot ug/g (34855)	Gallium bed sed <62.5um wet svd field, total, ug/g (34860)	Gold, bed sed <62.5um wet svd field, total, ug/g (34870)
DEC 17...	.8	14	240	1.8	<1	.3	76	53	15	28	1	12	<1

MOBILE RIVER BASIN

02457000 FIVEMILE CREEK AT KETONA, AL--Continued

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Holmium bed sed <62.5um wet svd field, total, ug/g (34875)	Iron, bed sed <62.5um wet svd field, total, percent (34880)	Lantha-num, bed sed <62.5um wet svd fld,tot ug/g (34885)	Lead, bed sed <62.5um wet svd field, total, ug/g (34890)	Lithium bed sed <62.5um wet svd field, total, ug/g (34895)	Mangan-ese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)	Molyb-denum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Neodym-ium, bed sed <62.5um wet svd fld,tot ug/g (34920)	Nickel, bed sed <62.5um wet svd field, total, ug/g (34925)	Niobium bed sed <62.5um wet svd field, total, ug/g (34930)	Scand-ium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Selen-ium, bed sed <62.5um wet svd fld,tot ug/g (34950)
DEC 17...	1	2.8	36	39	31	1800	.09	.9	31	25	12	9	.6

Date	Silver, bed sed <62.5um wet svd field, total, ug/g (34955)	Stront-ium, bed sed <62.5um wet svd fld,tot ug/g (34965)	Tant-alum, bed sed <62.5um wet svd fld,tot ug/g (34975)	Thall-ium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium bed sed <62.5um wet svd field, total, ug/g (34980)	Tin, bed sed <62.5um wet svd field, total, ug/g (34985)	Titan-ium, bed sed <62.5um wsv nat rec, percent (49274)	Vanad-ium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Ytterb-ium, bed sed <62.5um wet svd fld,tot ug/g (35015)	Yttrium bed sed <62.5um wet svd field, total, ug/g (35010)	Zinc, bed sed <62.5um wet svd field, total, ug/g (35020)	1,2,4-Tri-chloro-benzene bed sed <2 mm ug/kg (49438)	1,2-Di-chloro-benzene bed sed <2 mm wsv nat ug/kg (49439)
DEC 17...	.2	39	<1	<1	10	3	.300	64	2	24	130	<50	<50

Date	1,2-Di-methyl-naphth-alene, bed sed <2 mm, ug/kg (49403)	1,3-Di-chloro-benzene bed sed <2 mm wsv nat ug/kg (49441)	1,4-Di-chloro-benzene bed sed <2 mm wsv nat ug/kg (49442)	1,6-Di-methyl-naphth-alene, bed sed <2 mm, ug/kg (49404)	1-Methyl -9H-fluor-ene, bed sed <2 mm, ug/kg (49398)	1-Methyl-phenan-threne, bed sed <2 mm, ug/kg (49410)	1-Methyl-pyrene, bed sed <2 mm, wsv nat ug/kg (49388)	2,2'-Bi quino-line, bed sed <2 mm, wsv nat ug/kg (49391)	2,3,6-Tri-methyl-naphth-alene, bed sed <2 mm, ug/kg (49405)	2,4-Di-nitro-toluene bed sed <2 mm wsv nat ug/kg (49395)	2,6-Di-methyl-naphth-alene, bed sed <2 mm, ug/kg (49406)	2,6-Di-nitro-toluene bed sed <2 mm wsv nat ug/kg (49396)	2-Chloro-naphth-alene, bed sed <2 mm, ug/kg (49407)
DEC 17...	<50	<50	<50	<50	<50	E12	E19	E46	<50	<50	E14	<50	<50

Date	2-Chloro-phenol, bed sed <2 mm, wsv nat ug/kg (49467)	2-Ethyl naphth-alene bed sed <2 mm wsv nat ug/kg (49948)	2-Fluoro -bi-phenyl, surrog, bed sed <2 mm, pct rcv (49279)	2-Methyl-anthra-cene, bed sed <2 mm, ug/kg (49435)	3,5-Di-methyl-phenol, bed sed <2 mm, wsv nat ug/kg (49421)	4-Bromo-phenyl phenyl ether, bed sed <2 mm, ug/kg (49454)	4-Chloro 3methyl phenol, bed sed <2 mm, wsv nat ug/kg (49422)	4-Chloro phenyl phenyl ether, bed sed <2 mm, ug/kg (49455)	4,5-Meth-ylene-phenan-threne, bed sed <2 mm, ug/kg (49411)	9,10-Anthra-quinone bed sed <2 mm wsv nat ug/kg (49437)	9H-Flour-ene, bed sed <2 mm, wsv nat ug/kg (49399)	Ace-naphth-ene, bed sed <2 mm, wsv nat ug/kg (49429)	Ace-naphth-ylene, bed sed <2 mm, wsv nat ug/kg (49428)
DEC 17...	<50	<50	60	E18	<50	<50	<50	<50	E21	58	E16	E10	E9

Date	Acri-dine, bed sed <2 mm, wsv nat field, ug/kg (49430)	Aldrin, bed sed <2 mm, wsv nat field, ug/kg (49319)	alpha-Endo-sulfan, bed sed <2 mm, wsv nat ug/kg (49332)	alpha-HCH, bed sed <2 mm, wsv nat field, ug/kg (49338)	alpha-HCH-d6, surrog, bed sed <2 mm, wsv nat pct rcv (49275)	Anthra-cene, bed sed <2 mm, wsv nat field, ug/kg (49434)	Azo-benzene bed sed <2 mm wsv nat field, ug/kg (49443)	Benzo-[a]-anthra-cene, bed sed <2 mm, ug/kg (49436)	Benzo-[a]-pyrene, bed sed <2 mm, wsv nat ug/kg (49389)	Benzo-[b]-fluor-anthene bed sed <2 mm ug/kg (49458)	Benzo-[c]-cinno-line, bed sed <2 mm, ug/kg (49468)	Benzo-[ghi]-peryl-ene, bed sed <2 mm, ug/kg (49408)	Benzo-[k]-fluor-anthene bed sed <2 mm ug/kg (49397)
DEC 17...	E20	<1	<1	<1	89	E49	<50	170	170	200	<50	130	150

Date	Benzyl n-butyl phthal-ate, bed sed <2 mm, ug/kg (49427)	beta-HCH, bed sed <2 mm, wsv nat field, ug/kg (49339)	Bis(2-chloro-ethoxy) methane bed sed <2 mm ug/kg (49401)	Bis(2-chloro-ethyl) ether, bed sed <2 mm, ug/kg (49456)	Bis(2Et hexyl) phthal-ate, bed sed <2 mm, ug/kg (49426)	C8-Alkyl-phenol, bed sed <2 mm, wsv nat ug/kg (49424)	Carba-zole, bed sed <2 mm, wsv nat field, ug/kg (49449)	Chloro-neb, bed sed <2 mm, wsv nat field, ug/kg (49322)	Chry-sene, bed sed <2 mm, wsv nat field, ug/kg (49450)	cis-Chlor-dane, bed sed <2 mm, wsv nat ug/kg (49320)	cis-Nona-chlor, bed sed <2 mm, wsv nat ug/kg (49316)	cis-Per-methrin bed sed <2 mm, wsv nat ug/kg (49349)	DCPA, bed sed <2 mm, wsv nat field, ug/kg (49324)
DEC 17...	V130	<1	<50	<50	V140	<50	E28	<5	200	<1	<1	<5	<5

MOBILE RIVER BASIN

02457000 FIVEMILE CREEK AT KETONA, AL--Continued

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Dibenzo-[a,h]-anthracene, bed sed <2 mm, ug/kg (49461)	Dibenzothiophene, bed sed <2 mm, ug/kg (49452)	Dieldrin bed sed <2 mm, wsv nat field, ug/kg (49331)	Diethyl phthalate, bed sed <2 mm, wsv nat ug/kg (49383)	Dimethyl phthalate, bed sed <2 mm, ug/kg (49384)	Dibutyl phthalate, bed sed <2 mm, wsv nat ug/kg (49381)	Dioctyl phthalate, bed sed <2 mm, wsv nat ug/kg (49382)	Endrin, bed sed <2 mm, wsv nat field, ug/kg (49335)	Fluoranthene bed sed <2 mm wsv nat field, ug/kg (49466)	Heptachlor epoxide bed sed <2 mm, wsv nat ug/kg (49342)	Heptachlor, bed sed <2 mm, wsv nat field, ug/kg (49341)	Hexachlorobenzene bed sed <2 mm, wsv nat ug/kg (49343)	Indeno-[1,2,-3-cd]-pyrene, bed sed <2 mm ug/kg (49390)
DEC 17...	57	<50	<1	V8	<50	V60	<50	<2	400	<1	<1	<1	160

Date	Isodrin bed sed <2 mm, wsv nat field, ug/kg (49344)	Isophorone bed sed <2 mm, wsv nat field, ug/kg (49400)	Isoquinoline, bed sed <2 mm, wsv nat ug/kg (49394)	Lindane bed sed <2 mm, wsv nat field, ug/kg (49345)	Mirex, bed sed <2 mm, wsv nat field, ug/kg (49348)	Naphthalene, bed sed <2 mm wsv nat ug/kg (49402)	Nitrobenzene bed sed <2 mm wsv nat field, ug/kg (49444)	Nitrobenzene-d5, surrog, bed sed <2 mm, pct rcv (49280)	N-Nitro-sodi-n-propyl amine, bed sed <2 mm, ug/kg (49431)	N-Nitro-sodi-phenylamine, bed sed <2 mm, ug/kg (49433)	o,p'-DDD, bed sed <2 mm, wsv nat field, ug/kg (49325)	o,p'-DDE, bed sed <2 mm, wsv nat field, ug/kg (49327)	o,p'-DDT, bed sed <2 mm, wsv nat field, ug/kg (49329)
DEC 17...	<1	<50	E22	<1	<1	E11	<50	56	<50	<50	<1	<1	<2

Date	o,p'-Methoxychlor, bed sed <2 mm, wsv nat ug/kg (49347)	Oxychlordane, bed sed <2 mm, wsv nat ug/kg (49318)	p,p'-DDD, bed sed <2 mm, wsv nat field, ug/kg (49326)	p,p'-DDE, bed sed <2 mm, wsv nat field, ug/kg (49328)	p,p'-DDT, bed sed <2 mm, wsv nat field, ug/kg (49330)	p,p'-Methoxychlor, bed sed <2 mm, wsv nat ug/kg (49346)	PCBs, bed sed <2 mm, wsv nat field, ug/kg (49459)	p-Cresol, bed sed <2 mm, wsv nat field, ug/kg (49451)	Pentachloroanisole bed sed <2 mm wsv nat ug/kg (49460)	Pentachloronitrobenzene bed sed <2 mm ug/kg (49446)	Phenanthrene, bed sed <2 mm, wsv nat field, ug/kg (49409)	Phenanthridine, bed sed <2 mm, wsv nat ug/kg (49393)	Phenol, bed sed <2 mm, wsv nat field, ug/kg (49413)
DEC 17...	<5	<1	<1	<1	<2	<5	<50	E23	<1	<50	210	E17	<50

Date	Pyrene, bed sed <2 mm, wsv nat field, ug/kg (49387)	Quinoline, bed sed <2 mm, wsv nat field, ug/kg (49392)	Terphenyl-d14, surrog, bed sed <2 mm, pct rcv (49278)	Toxaphene, bed sed <2 mm, wsv nat field, ug/kg (49351)	trans-Chlordane, bed sed <2 mm, wsv nat ug/kg (49321)	trans-Nonachlor, bed sed <2 mm, wsv nat ug/kg (49317)	trans-Permethrin bed sed <2 mm, wsv nat ug/kg (49350)	Uranium bed sed <62.5um wet svd field, total, ug/g (35000)
DEC 17...	290	<50	75	<200	<1	<1	<5	3.4

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 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR AL-01-1: 2000 (P).

GAGE.--Water-stage recorder. Datum of gage is 396.08 ft above NGVD of 1929.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0315	*12,600	*18.28	Sep 16	1930	7,890	13.89
Mar 6	0545	2,700	7.43				

Minimum discharge, 15 ft^3/s, Nov. 14, 15, 16, gage height, 1.42 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

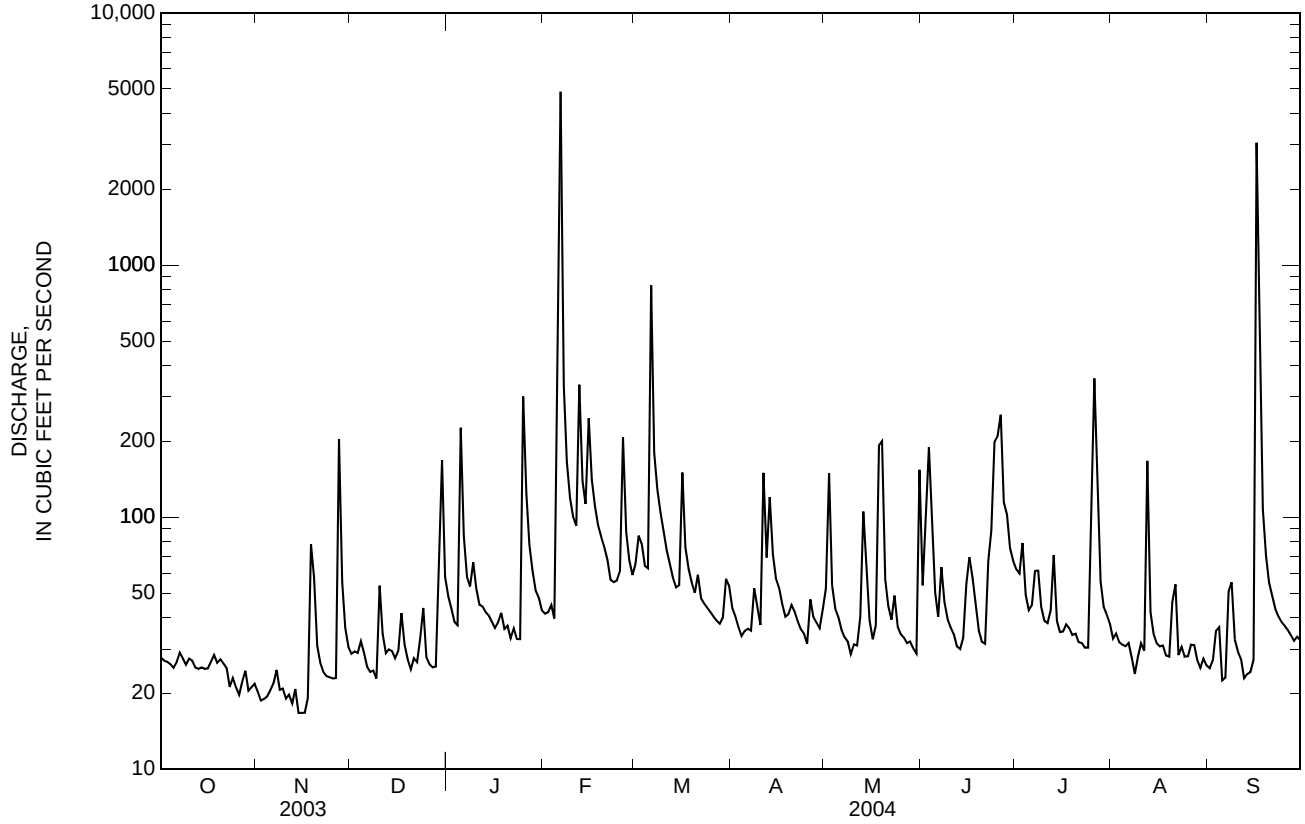
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	20	29	49	41	65	44	52	54	62	33	25
2	27	19	29	44	42	85	41	149	97	60	35	27
3	27	19	29	38	45	79	37	54	189	79	32	35
4	26	19	32	37	40	64	34	43	111	49	31	37
5	25	21	29	226	331	63	35	40	50	43	31	23
6	27	22	26	84	4,860	830	36	36	40	45	32	23
7	29	25	24	58	332	180	36	33	63	61	28	51
8	27	21	25	53	166	128	52	32	46	61	24	55
9	26	21	23	66	119	105	44	29	39	44	28	33
10	27	19	54	52	101	88	37	31	37	39	32	29
11	27	20	34	45	92	74	150	31	34	38	30	27
12	25	18	29	44	335	65	69	40	31	43	167	23
13	25	21	30	42	139	58	120	105	30	71	42	24
14	25	17	29	41	113	53	71	60	33	39	35	24
15	25	17	28	38	247	54	57	39	54	35	32	27
16	25	17	30	36	141	150	52	33	69	35	31	3,060
17	27	19	42	38	111	76	45	37	57	38	31	578
18	28	78	31	42	93	62	40	193	46	36	28	108
19	27	58	27	36	84	55	41	200	36	34	28	70
20	27	31	25	37	76	50	45	57	32	35	46	55
21	26	27	28	33	68	59	42	44	31	32	54	49
22	25	24	27	36	56	48	39	39	67	32	28	43
23	21	23	33	33	55	46	36	49	89	30	31	40
24	23	23	44	33	56	44	34	37	199	30	28	38
25	21	23	28	301	61	42	32	34	209	102	28	37
26	20	23	26	124	207	40	47	33	255	355	31	36
27	22	204	25	78	87	39	40	32	115	165	31	34
28	25	56	26	61	68	38	38	32	102	56	27	32
29	21	36	69	51	59	40	36	30	75	44	25	34
30	21	31	168	48	---	57	43	29	67	41	27	32
31	22	---	58	43	---	53	---	154	---	38	26	---
TOTAL	777	972	1,137	1,947	8,225	2,890	1,473	1,807	2,357	1,872	1,112	4,709
MEAN	25.1	32.4	36.7	62.8	284	93.2	49.1	58.3	78.6	60.4	35.9	157
MAX	29	204	168	301	4,860	830	150	200	255	355	167	3,060
MIN	20	17	23	33	40	38	32	29	30	30	24	23
CFSM	0.48	0.62	0.71	1.21	5.46	1.80	0.95	1.12	1.51	1.16	0.69	3.02
IN.	0.56	0.70	0.81	1.40	5.90	2.07	1.06	1.30	1.69	1.34	0.80	3.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	54.9	70.8	82.2	152	152	186	120	109	67.8	68.1	45.5	59.7
MAX	271	190	199	338	379	433	304	658	177	197	119	157
(WY)	(1996)	(1993)	(2003)	(1996)	(1990)	(1996)	(2000)	(2003)	(1997)	(1989)	(1992)	(2004)
MIN	18.7	28.9	31.5	49.1	61.3	72.6	48.0	27.1	19.1	25.5	20.3	18.5
(WY)	(2001)	(1991)	(2001)	(1991)	(2000)	(1992)	(1990)	(1992)	(1988)	(1988)	(1988)	(2000)

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	48,099		29,278			
ANNUAL MEAN	132		80.0		97.7	
HIGHEST ANNUAL MEAN					158	2003
LOWEST ANNUAL MEAN					58.7	1992
HIGHEST DAILY MEAN	6,600	May 7	4,860	Feb 6	6,600	May 7, 2003
LOWEST DAILY MEAN	17	Nov 14	17	Nov 14	14	Aug 15, 1988
ANNUAL SEVEN-DAY MINIMUM	18	Nov 10	18	Nov 10	15	Oct 12, 2000
MAXIMUM PEAK FLOW			12,600	Feb 6	24,200	May 7, 2003
MAXIMUM PEAK STAGE			18.28	Feb 6	25.41	May 7, 2003
ANNUAL RUNOFF (CFSM)	2.54		1.54		1.88	
ANNUAL RUNOFF (INCHES)	34.48		20.99		25.58	
10 PERCENT EXCEEDS	196		112		169	
50 PERCENT EXCEEDS	54		38		48	
90 PERCENT EXCEEDS	25		24		23	



WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Total nitrogen, water, unfltrd mg/L (00600)
DEC 15...	1045	6.9	758	26	578	570	13.1	108	8.1	8.1	.7	.4	2.7

Date	Total nitrogen, water, fltrd, mg/L (00602)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)	Nitrate water, fltrd, mg/L as N (00618)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L (71851)	Nitrite water, fltrd, mg/L (71856)	Orthophosphate, water, fltrd, mg/L (00660)	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)
DEC 15...	2.7	E.03	.022	2.45	.26	.26	2.47	10.8	.072	.135	.097	.081	.04

Date	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium adsorption ratio (00931)	Sodium, percent (00932)	Potassium, water, fltrd, mg/L (00935)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Caffeine, water, fltrd, ug/L (50305)	Arsenic water, fltrd, ug/L (01000)
DEC 15...	190	47.2	18.2	58.4	2	39	3.39	20.7	98.1	.7	7.16	E.2	3

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Antimony, water, fltrd, ug/L (01095)	Aluminum, water, fltrd, ug/L (01106)
DEC 15...	38	<.06	<.04	E.5	1.0	39	<.08	76.3	1.41	<.2	2.4	E.12	24

Date	Selenium, water, fltrd, ug/L (01145)	Uranium natural water, fltrd, ug/L (22703)	Residue total at 105 deg. C, suspended, mg/L (00530)	Residue on evap. at 180degC wat flt mg/L (70300)
DEC 15...	5	.53	<10	362

ORGANIC COMPOUNDS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	Cotinine, water, fltrd, ug/L (62005)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)
DEC 15...	<.5	<1.00	<.5	<.5	<.5	M	<1	<5	<1	<1	<5	<1	<2

MOBILE RIVER BASIN

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL--Continued

ORGANIC COMPOUNDS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Camphor water, fltrd, ug/L (62070)	Carbazole, water, fltrd, ug/L (62071)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)
DEC 15...	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	E4	<1

Date	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Methyl salicylate, water, fltrd, ug/L (62081)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)
DEC 15...	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2

Date	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)
DEC 15...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Bromacil, water, fltrd, ug/L (04029)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Dichlorvos, water fltrd, ug/L (38775)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)
DEC 15...	<.025	<.004	<.5	.068	.01	E.005	<.018	<.003	<.005	<.003	<1.00	<.010	<.004

Date	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Metalaxyl, water, fltrd, ug/L (50359)	D-Limonene, water, fltrd, ug/L (62073)	DEET, water, fltrd, ug/L (62082)	Fipronil, water, fltrd, ug/L (62166)	Fipronil sulfide water, fltrd, ug/L (62167)
DEC 15...	<.009	<.013	<.027	<.010	<.005	.016	<.005	<.006	<.5	<.5	E.1	<.016	<.013

Date	Fipronil sulfone water, fltrd, ug/L (62168)	Desulfinyl fipronil amide, wat flt ug/L (62169)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)
DEC 15...	<.024	<.029	<.012	<.006	<.006	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004

MOBILE RIVER BASIN

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)
DEC 15...	.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011	E.007	<.010	<.003

Date	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)
DEC 15...	<.022	<.007	<.02	<.050	<.006

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Calcium bed sed <62.5um wet svd field, total, percent (34830)	Magnes-ium, bed sed <62.5um wet svd fld,tot percent (34900)	Potas-sium, bed sed <62.5um wet svd fld,tot percent (34940)	Sodium, bed sed <62.5um wet svd field, total, percent (34960)	Sulfur, bed sed <62.5um wet svd field, total, percent (34970)	Phos-phorus, bed sed <62.5um wet svd fld,tot percent (34935)	Total carbon, sedimnt <62.5um wsv nat field percent (49267)	Total carbon, bed sed <2 mm, wsv nat field g/kg (49272)	Inorg. carbon, bed sed <62.5um wsv nat field percent (49269)	Inorg. carbon, bed sed <2 mm, wsv nat field g/kg (49270)	Organic carbon, bed sed <62.5um wsv nat field percent (49266)	Organic carbon, bed sed <2 mm, wsv nat field g/kg (49271)	Alum-inum, bed sed <62.5um wet svd fld,tot percent (34790)
DEC 22...	1.3	.600	1.6	.160	.08	.074	2.9	40	.43	1.9	2.4	38	6.4

Date	Anti-mony, bed sed <62.5um wet svd fld,tot ug/g (34795)	Arsenic bed sed <62.5um wet svd field, total, ug/g (34800)	Barium, bed sed <62.5um wet svd field, total, ug/g (34805)	Beryll-ium, bed sed <62.5um wet svd fld,tot ug/g (34810)	Bismuth bed sed <177um wet svd field, total, ug/g (34816)	Cadmium bed sed <62.5um wet svd field, total, ug/g (34825)	Cerium, bed sed <62.5um wet svd field, total, ug/g (34835)	Chrom-ium, bed sed <62.5um wet svd fld,tot ug/g (34840)	Cobalt, bed sed <62.5um wet svd field, total, ug/g (34845)	Copper, bed sed <62.5um wet svd field, total, ug/g (34850)	Europ-ium, bed sed <62.5um wet svd fld,tot ug/g (34855)	Gallium bed sed <62.5um wet svd field, total, ug/g (34860)	Gold, bed sed <62.5um wet svd field, total, ug/g (34870)
DEC 22...	1.2	20	500	2.0	<1	.4	75	68	16	32	1	16	<1

Date	Holmium bed sed <62.5um wet svd field, total, ug/g (34875)	Iron, bed sed <62.5um wet svd field, total, percent (34880)	Lantha-num, bed sed <62.5um wet svd fld,tot ug/g (34885)	Lead, bed sed <62.5um wet svd field, total, ug/g (34890)	Lithium bed sed <62.5um wet svd field, total, ug/g (34895)	Mangan-ese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)	Molyb-denum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Neodym-ium, bed sed <62.5um wet svd fld,tot ug/g (34920)	Nickel, bed sed <62.5um wet svd field, total, ug/g (34925)	Niobium bed sed <62.5um wet svd field, total, ug/g (34930)	Scand-ium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Selen-ium, bed sed <62.5um wet svd fld,tot ug/g (34950)
DEC 22...	<1	3.3	37	41	43	1000	.13	1.4	33	26	12	13	3.4

Date	Silver, bed sed <62.5um wet svd field, total, ug/g (34955)	Stront-ium, bed sed <62.5um wet svd fld,tot ug/g (34965)	Tant-alum, bed sed <62.5um wet svd fld,tot ug/g (34975)	Thall-ium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium bed sed <62.5um wet svd field, total, ug/g (34980)	Tin, bed sed <62.5um wet svd field, total, ug/g (34985)	Titan-ium, bed sed <62.5um wsv nat rec, percent (49274)	Vanad-ium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Ytterb-ium, bed sed <62.5um wet svd fld,tot ug/g (35015)	Yttrium bed sed <62.5um wet svd field, total, ug/g (35010)	Zinc, bed sed <62.5um wet svd field, total, ug/g (35020)	1,2,4-Tri-chloro-benzene bed sed <2 mm ug/kg (49438)	1,2-Di-chloro-benzene bed sed <2 mm wsv nat ug/kg (49439)
DEC 22...	.2	71	<1	<1	11	4	.310	94	2	20	200	<65	<65

MOBILE RIVER BASIN

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL--Continued

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	1,2-Dimethylnaphthalene, bed sed <2 mm, ug/kg (49403)	1,3-Dichlorobenzene bed sed <2 mm wsv nat ug/kg (49441)	1,4-Dichlorobenzene bed sed <2 mm wsv nat ug/kg (49442)	1,6-Dimethylnaphthalene, bed sed <2 mm, ug/kg (49404)	1-Methyl-9H-fluorene, bed sed <2 mm, ug/kg (49398)	1-Methylphenanthrene, bed sed <2 mm, ug/kg (49410)	1-Methylpyrene, bed sed <2 mm, wsv nat ug/kg (49388)	2,2'-Biquinoline, bed sed <2 mm, wsv nat ug/kg (49391)	2,3,6-Trimethylnaphthalene, bed sed <2 mm, ug/kg (49405)	2,4-Dinitrotoluene bed sed <2 mm wsv nat ug/kg (49395)	2,6-Dimethylnaphthalene, bed sed <2 mm, ug/kg (49406)	2,6-Dinitrotoluene bed sed <2 mm wsv nat ug/kg (49396)	2-Chloronaphthalene, bed sed <2 mm, ug/kg (49407)
DEC 22...	E23	<65	<65	71	84	310	270	<65	68	<65	110	<65	<65

Date	2-Chlorophenol, bed sed <2 mm, wsv nat ug/kg (49467)	2-Ethylnaphthalene bed sed <2 mm wsv nat ug/kg (49948)	2-Fluoro-biphenyl, surrog, bed sed <2 mm, pct rcv (49279)	2-Methylanthracene, bed sed <2 mm, ug/kg (49435)	3,5-Dimethylphenol, bed sed <2 mm, wsv nat ug/kg (49421)	4-Bromophenyl phenyl ether, bed sed <2 mm, ug/kg (49454)	4-Chloro 3methyl phenol, bed sed <2 mm, wsv nat ug/kg (49422)	4-Chloro phenyl phenyl ether, bed sed <2 mm, ug/kg (49455)	4,5-Methylenephenanthrene, bed sed <2 mm, ug/kg (49411)	9,10-Anthraquinone bed sed <2 mm wsv nat ug/kg (49437)	9H-Fluorene, bed sed <2 mm, wsv nat ug/kg (49399)	Acenaphthene, bed sed <2 mm, wsv nat ug/kg (49429)	Acenaphthylene, bed sed <2 mm, wsv nat ug/kg (49428)
DEC 22...	<65	E22	46	340	<65	<65	<65	<65	440	250	220	110	830

Date	Acridine, bed sed <2 mm, wsv nat field, ug/kg (49430)	Aldrin, bed sed <2 mm, wsv nat field, ug/kg (49319)	alpha-Endosulfan, bed sed <2 mm, wsv nat ug/kg (49332)	alpha-HCH, bed sed <2 mm, wsv nat field, ug/kg (49338)	alpha-HCH-d6, surrog, bed sed <2 mm, wsv nat pct rcv (49275)	Anthracene, bed sed <2 mm, wsv nat field, ug/kg (49434)	Azobenzene bed sed <2 mm wsv nat field, ug/kg (49443)	Benzo-[a]-anthracene, bed sed <2 mm, ug/kg (49436)	Benzo-[a]-pyrene, bed sed <2 mm, wsv nat ug/kg (49389)	Benzo-[b]-fluoranthene bed sed <2 mm ug/kg (49458)	Benzo-[c]-cinnoline, bed sed <2 mm, ug/kg (49468)	Benzo-[ghi]-perylene, bed sed <2 mm, ug/kg (49408)	Benzo-[k]-fluoranthene bed sed <2 mm ug/kg (49397)
DEC 22...	120	<1	<1	<1	76	1100	<65	2900	2400	2500	<65	1600	1700

Date	Benzyl n-butyl phthalate, bed sed <2 mm, ug/kg (49427)	beta-HCH, bed sed <2 mm, wsv nat field, ug/kg (49339)	Bis(2-chloroethoxy) methane bed sed <2 mm ug/kg (49401)	Bis(2-chloroethyl) ether, bed sed <2 mm, ug/kg (49456)	Bis(2Ethexyl) phthalate, bed sed <2 mm, ug/kg (49426)	C8-Alkylphenol, bed sed <2 mm, wsv nat ug/kg (49424)	Carbazole, bed sed <2 mm, wsv nat field, ug/kg (49449)	Chloroneb, bed sed <2 mm, wsv nat field, ug/kg (49322)	Chrysene, bed sed <2 mm, wsv nat field, ug/kg (49450)	cis-Chlordane, bed sed <2 mm, wsv nat ug/kg (49320)	cis-Nonachlor, bed sed <2 mm, wsv nat ug/kg (49316)	cis-Permethrin bed sed <2 mm, wsv nat ug/kg (49349)	DCPA, bed sed <2 mm, wsv nat field, ug/kg (49324)
DEC 22...	V230	<1	<65	<65	V200	<65	170	<5	2900	M	<1	<5	<5

Date	Dibenzo-[a,h]-anthracene, bed sed <2 mm, ug/kg (49461)	Dibenzothiophene, bed sed <2 mm, ug/kg (49452)	Dieldrin bed sed <2 mm, wsv nat field, ug/kg (49331)	Diethyl phthalate, bed sed <2 mm, wsv nat ug/kg (49383)	Dimethyl phthalate, bed sed <2 mm, ug/kg (49384)	Dibutyl phthalate, bed sed <2 mm, wsv nat ug/kg (49381)	Dioctyl phthalate, bed sed <2 mm, wsv nat ug/kg (49382)	Endrin, bed sed <2 mm, wsv nat field, ug/kg (49335)	Fluoranthene bed sed <2 mm wsv nat field, ug/kg (49466)	Heptachlor epoxide bed sed <2 mm, wsv nat ug/kg (49342)	Heptachlor, bed sed <2 mm, wsv nat field, ug/kg (49341)	Hexachlorobenzene bed sed <2 mm, wsv nat ug/kg (49343)	Indeno-[1,2,-3-cd]-pyrene, bed sed <2 mm ug/kg (49390)
DEC 22...	570	94	M	V12	<65	V140	<65	<2	4400	<1	<1	<1	1700

Date	Isodrin bed sed <2 mm, wsv nat field, ug/kg (49344)	Isophorone bed sed <2 mm, wsv nat field, ug/kg (49400)	Isoquinoline, bed sed <2 mm, wsv nat ug/kg (49394)	Lindane bed sed <2 mm, wsv nat field, ug/kg (49345)	Mirex, bed sed <2 mm, wsv nat field, ug/kg (49348)	Naphthalene, bed sed <2 mm wsv nat ug/kg (49402)	Nitrobenzene bed sed <2 mm wsv nat field, ug/kg (49444)	Nitrobenzene-d5, surrog, bed sed <2 mm, pct rcv (49280)	N-Nitro-sodi-n-propylamine, bed sed <2 mm, ug/kg (49431)	N-Nitro-sodiphenylamine, bed sed <2 mm, ug/kg (49433)	o,p'-DDD, bed sed <2 mm, wsv nat field, ug/kg (49325)	o,p'-DDE, bed sed <2 mm, wsv nat field, ug/kg (49327)	o,p'-DDT, bed sed <2 mm, wsv nat field, ug/kg (49329)
DEC 22...	<1	<65	E30	<1	<1	240	<65	30	<65	<65	<1	<1	<2

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	o,p'-Methoxychlor, bed sed <2 mm, wsv nat ug/kg (49347)	Oxychlordane, bed sed <2 mm, wsv nat ug/kg (49318)	p,p'-DDD, bed sed <2 mm, wsv nat field, ug/kg (49326)	p,p'-DDE, bed sed <2 mm, wsv nat field, ug/kg (49328)	p,p'-DDT, bed sed <2 mm, wsv nat field, ug/kg (49330)	p,p'-Methoxychlor, bed sed <2 mm, wsv nat ug/kg (49346)	PCBs, bed sed <2 mm, wsv nat field, ug/kg (49459)	p-Cresol, bed sed <2 mm, wsv nat field, ug/kg (49451)	Pentachloroanisole bed sed <2 mm wsv nat ug/kg (49460)	Pentachloronitrobenzene bed sed <2 mm ug/kg (49446)	Phenanthrene, bed sed <2 mm, wsv nat field, ug/kg (49409)	Phenanthridine, bed sed <2 mm, wsv nat ug/kg (49393)	Phenol, bed sed <2 mm, wsv nat field, ug/kg (49413)
DEC 22...	<5	<1	<1	<1	3	<5	E30	E28	<1	<65	1700	E44	<65

Date	Pyrene, bed sed <2 mm, wsv nat field, ug/kg (49387)	Quinoline, bed sed <2 mm, wsv nat field, ug/kg (49392)	Terphenyl-d14, surrog, bed sed <2 mm, pct rcv (49278)	Toxaphene, bed sed <2 mm, wsv nat field, ug/kg (49351)	trans-Chlordane, bed sed <2 mm, wsv nat ug/kg (49321)	trans-Nonachlor, bed sed <2 mm, wsv nat ug/kg (49317)	trans-Permethrin bed sed <2 mm, wsv nat ug/kg (49350)	Uranium bed sed <62.5um wet svd field, total, ug/g (35000)
DEC 22...	3200	E17	110	<200	M	M	<5	3.7

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.--Maximum and minimum values given in EXTREMES FOR PERIOD OF RECORD and EXTREMES FOR CURRENT YEAR may have been exceeded during periods of missing record.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,790 microSiemens, Nov. 7, 1998; minimum, 69 microSiemens, Sept. 16, 2004.
WATER TEMPERATURES: Maximum, 30.2° C, July 25, 1993; minimum, 0° C, Dec. 23, 24, 1989.
DISSOLVED OXYGEN: Maximum, 18.3 mg/L, Nov. 22, 2001; minimum, 2.4 mg/L, May 1, 2000, Sept. 13, 16, 2001.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 856 microSiemens/cm, Sept. 3; minimum, 69 microSiemens/cm, Sept. 16.
WATER TEMPERATURE: Maximum, 29.8° C, July 14; minimum, 3.9° C, Dec. 21.
DISSOLVED OXYGEN: Maximum, 17.7 mg/L, Mar. 24; minimum, 3.4 mg/L, Aug. 16.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	633	589	616	763	660	704	632	560	591	582	528	557
2	634	605	616	770	649	702	647	596	621	613	582	597
3	628	598	609	724	637	684	680	647	667	619	579	596
4	627	598	610	724	637	703	695	641	665	590	583	587
5	626	605	621	721	690	706	703	628	661	588	254	383
6	640	607	633	699	642	675	661	628	644	461	287	377
7	672	609	647	698	611	648	668	652	660	555	461	526
8	677	627	654	672	599	629	678	665	670	606	554	580
9	652	617	631	672	615	641	708	676	686	599	486	543
10	629	608	618	719	661	694	699	412	582	565	485	530
11	662	618	639	712	613	653	534	422	471	578	556	564
12	640	622	630	718	669	689	638	534	584	591	565	578
13	640	611	628	683	638	661	668	635	654	595	547	579
14	667	624	643	691	647	667	667	632	653	610	565	586
15	651	634	645	693	663	678	650	593	612	609	555	581
16	659	642	650	728	664	698	698	616	637	604	580	594
17	667	637	652	664	634	652	709	485	566	639	578	610
18	680	639	663	648	284	579	648	500	560	637	573	596
19	671	643	655	404	284	331	685	635	653	611	575	591
20	679	640	662	544	404	480	692	631	655	685	610	653
21	680	653	664	638	544	598	655	618	638	684	671	676
22	716	660	679	625	592	599	654	615	626	677	622	655
23	742	710	725	636	592	611	661	593	647	696	649	683
24	767	700	721	632	615	623	593	436	481	653	645	649
25	768	706	732	648	612	627	549	502	520	646	286	478
26	766	683	719	697	627	672	587	549	566	412	296	363
27	765	675	723	692	219	447	605	587	594	490	412	457
28	764	653	693	436	255	354	611	605	608	538	490	518
29	774	751	768	524	427	477	627	355	600	563	538	553
30	751	712	727	562	524	552	426	226	311	589	538	565
31	756	717	742	---	---	---	528	403	477	609	583	600
MONTH	774	589	665	770	219	614	709	226	599	696	254	561

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	666	609	640	502	468	483	585	517	562	546	468	501
2	672	637	657	515	467	501	598	565	576	512	247	360
3	729	670	707	471	413	425	597	566	583	480	327	423
4	766	724	749	478	445	471	585	567	576	572	480	537
5	826	141	744	509	461	494	578	560	570	596	566	580
6	225	86	168	508	154	264	641	570	598	615	584	598
7	288	225	257	368	296	332	648	578	615	641	567	604
8	318	288	303	422	368	393	627	518	588	632	579	595
9	---	---	---	450	420	429	566	516	535	626	570	602
10	---	---	---	474	447	455	636	566	604	617	554	594
11	---	---	---	489	470	480	610	315	409	614	546	579
12	---	---	---	503	480	497	497	356	442	614	540	596
13	---	---	---	511	483	494	474	354	389	540	261	356
14	---	---	---	504	481	491	497	393	450	516	402	460
15	---	---	---	520	486	499	490	463	480	579	505	553
16	---	---	---	520	251	364	538	481	515	604	564	583
17	---	---	---	450	352	412	561	500	535	593	516	562
18	479	472	476	471	450	463	550	530	537	613	132	521
19	488	477	483	488	460	473	612	533	547	395	132	259
20	506	486	497	503	472	490	606	580	588	472	395	448
21	527	506	515	484	426	459	599	571	587	558	472	529
22	536	504	516	508	447	481	608	569	596	592	516	570
23	528	505	518	521	495	508	613	576	593	583	446	503
24	547	526	540	537	504	519	616	592	605	534	457	496
25	546	467	533	556	517	535	622	561	603	583	534	564
26	467	260	330	559	536	549	622	538	580	610	556	580
27	454	391	430	564	536	550	576	534	555	629	583	606
28	461	451	456	558	541	548	640	551	604	621	586	603
29	481	461	474	557	543	552	658	622	637	635	589	614
30	---	---	---	565	482	527	647	542	618	617	601	607
31	---	---	---	541	477	518	---	---	---	605	230	374
MONTH	826	86	500	565	154	473	658	315	556	641	132	528
		JUNE			JULY			AUGUST			SEPTEMBER	
1	504	319	434	525	507	519	585	556	569	645	616	627
2	551	183	482	547	406	527	586	564	577	653	593	623
3	364	214	267	469	387	428	647	564	604	856	546	721
4	393	175	284	507	433	485	647	597	626	589	481	539
5	483	393	458	537	504	520	637	608	619	583	539	560
6	516	474	504	523	498	516	628	598	616	623	583	612
7	505	393	466	523	451	494	636	581	593	621	522	603
8	536	471	506	556	481	512	665	636	653	522	406	437
9	573	510	550	555	500	531	657	633	646	574	455	526
10	585	526	567	561	531	548	675	618	640	580	558	569
11	587	534	554	569	545	559	657	608	627	630	571	589
12	614	574	591	573	527	559	657	224	340	646	598	626
13	598	568	583	527	380	426	582	365	481	630	592	615
14	595	565	576	571	453	526	616	570	591	649	592	623
15	611	476	559	574	554	564	616	577	593	672	631	648
16	544	394	493	567	548	557	616	585	603	673	69	366
17	462	354	399	574	545	560	617	573	594	273	98	213
18	551	462	515	572	557	566	654	604	622	366	273	322
19	539	492	510	588	557	574	656	589	619	452	366	410
20	603	538	566	622	557	589	632	397	597	536	511	526
21	601	572	581	633	614	622	456	345	415	558	527	542
22	612	388	576	631	570	594	564	435	503	566	540	557
23	428	293	338	656	590	619	578	559	574	590	549	567
24	475	198	306	655	594	613	623	544	579	592	562	573
25	408	212	315	677	246	543	615	579	595	604	567	590
26	449	206	346	485	144	346	647	592	612	605	577	591
27	401	265	345	396	190	310	639	541	583	613	579	599
28	427	401	414	507	396	456	639	581	604	612	577	601
29	481	420	459	573	507	543	648	610	631	616	586	603
30	507	472	497	589	533	568	636	584	603	617	597	606
31	---	---	---	586	543	562	645	572	601	---	---	---
MONTH	614	175	468	677	144	527	675	224	584	856	69	553
YEAR	856	69	554									

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.2	16.4	17.8	19.0	15.6	17.3	10.6	7.1	8.7	9.8	7.3	8.5
2	18.3	15.4	16.9	19.0	15.4	17.3	10.2	7.5	8.8	12.0	9.0	10.3
3	17.8	14.3	16.1	18.6	15.0	16.9	10.2	7.9	9.2	14.4	12.0	13.3
4	19.6	16.0	17.6	19.2	16.1	17.7	11.0	10.1	10.6	16.2	14.2	15.2
5	20.1	17.1	18.6	21.6	18.8	20.2	10.9	9.0	10.2	16.1	12.2	14.8
6	19.9	19.1	19.6	21.8	20.5	21.1	9.0	7.8	8.5	12.2	7.8	10.1
7	21.0	19.1	20.0	20.6	18.3	19.7	9.0	6.3	7.6	7.8	5.5	6.6
8	21.4	18.9	20.1	18.7	16.3	17.6	8.6	5.7	7.1	7.1	5.5	6.4
9	20.6	18.5	19.9	17.4	14.4	15.9	11.2	6.8	8.9	7.7	7.1	7.4
10	20.9	19.5	20.1	17.2	14.7	15.9	11.4	9.3	10.8	8.0	6.0	7.0
11	21.2	19.9	20.5	17.8	14.5	16.0	9.8	7.8	8.8	7.5	4.5	5.9
12	21.4	18.7	20.1	17.9	15.3	16.7	8.5	6.3	7.4	8.2	4.8	6.4
13	21.6	18.8	20.3	17.6	13.0	15.7	8.3	6.9	7.5	10.1	6.6	8.2
14	21.1	18.6	20.2	13.0	10.3	11.7	8.7	7.8	8.5	10.2	8.4	9.3
15	19.0	15.8	17.5	13.4	10.0	11.7	8.8	6.2	7.4	10.9	8.5	9.8
16	18.1	14.2	16.2	14.8	11.8	13.2	10.9	7.0	9.0	10.2	6.8	8.4
17	16.5	14.5	15.3	17.7	14.8	16.1	9.8	7.1	8.9	10.4	7.9	9.0
18	18.1	15.0	16.2	17.8	16.4	17.1	9.0	5.8	7.4	11.8	10.4	11.2
19	17.9	14.1	16.0	17.5	14.3	16.5	8.9	6.6	7.6	10.8	6.6	8.8
20	18.7	14.6	16.6	15.4	12.2	13.8	7.3	4.9	6.1	7.8	4.9	6.2
21	19.5	15.4	17.4	15.2	11.6	13.3	7.2	3.9	5.5	8.2	4.7	6.2
22	19.8	16.4	18.1	15.7	12.0	13.7	9.1	5.4	7.2	8.5	4.8	6.5
23	19.1	15.6	17.4	15.8	12.6	14.3	10.5	8.2	9.3	8.6	5.2	6.8
24	19.5	15.8	17.7	15.7	11.1	13.8	10.5	7.6	9.5	10.0	6.1	7.9
25	19.9	16.8	18.3	11.1	8.4	10	7.6	5.6	6.6	13.1	10.0	11.6
26	19.8	18.6	19.1	12.0	8.3	10.2	7.7	4.6	6.0	12.7	11.9	12.3
27	18.8	15.6	17.4	14.3	11.6	12.9	8.2	4.6	6.3	11.9	8.7	11.0
28	16.0	13.4	14.9	14.4	10.6	13.4	8.8	5.1	7.0	9.1	6.7	7.8
29	16.8	13.2	15.0	10.9	8.4	9.7	11.6	8.5	9.9	8.5	5.3	6.9
30	17.4	13.4	15.4	10.2	6.9	8.4	11.8	8.9	10.5	10.2	7.5	8.6
31	18.6	14.8	16.6	---	---	---	9.7	7.3	8.4	9.5	6.1	7.8
MONTH	21.6	13.2	17.8	21.8	6.9	14.9	11.8	3.9	8.2	16.2	4.5	8.9
		FEBRUARY			MARCH			APRIL			MAY	
1	9.9	6.4	8.2	15.1	12.3	13.7	15.8	11.7	13.8	21.9	19.0	20.4
2	9.5	9.1	9.3	14.9	14.4	14.7	17.5	11.8	14.6	21.1	17.6	19.4
3	10.1	7.8	9.3	17.7	14.1	15.8	18.1	12.4	15.2	18.2	15.8	17.0
4	9.7	6.2	7.9	18.2	15.1	16.7	17.9	12.7	15.3	19.5	14.3	16.9
5	13.6	8.3	9.9	18.3	16.8	17.5	18.0	12.0	15.0	21.8	16.1	18.9
6	13.7	11.6	12.9	18.2	15.2	16.4	19.9	14.0	16.8	23.6	18.4	20.9
7	11.6	9.4	10.4	16.6	13.7	15.0	19.8	15.1	17.6	24.4	19.4	21.9
8	10.3	8.1	9.3	15.2	12.0	13.5	20.1	17.6	18.7	25.1	20.2	22.6
9	11.6	8.8	10.1	14.1	11.7	12.7	21.4	15.8	18.5	25.2	21.0	23.2
10	12.0	11.3	11.6	14.4	10.4	12.2	20.5	15.9	18.1	24.8	22.3	23.4
11	11.7	11.0	11.5	15.1	9.9	12.5	19.0	17.2	17.7	24.6	21.3	23.0
12	11.0	9.5	10.0	15.8	11.2	13.4	19.7	16.6	17.9	24.2	21.6	23.0
13	11.2	9.6	10.4	15.6	11.1	13.3	18.0	12.4	14.8	23.8	21.6	22.2
14	12.2	10.7	11.4	16.6	12.6	14.7	16.6	11.2	13.7	24.6	21.3	22.9
15	12.0	10.1	11.2	16.4	14.8	15.7	18.5	12.1	15.2	24.2	21.8	23.1
16	10.7	9.8	10.3	17.9	14.7	16.2	20.0	13.9	16.9	24.9	22.2	23.5
17	11.5	10.4	10.8	17.8	13.5	15.5	21.4	15.7	18.5	25.2	22.2	23.6
18	11.4	9.0	10.0	17.6	13.4	15.5	22.3	17.2	20.2	25.3	21.2	23.4
19	12.0	8.1	9.9	19.8	14.2	16.9	22.6	17.4	20.0	24.5	20.6	22.5
20	12.4	10.0	11.2	20.9	15.4	18.2	21.4	18.0	19.8	26.0	21.5	23.7
21	14.1	10.8	12.2	19.7	15.1	17.8	21.5	18.3	19.9	27.0	22.4	24.7
22	13.1	9.4	11.2	16.4	12.3	14.2	23.0	19.2	21.0	27.2	23.5	25.4
23	11.3	10.2	10.7	16.1	10.5	13.3	24.2	20.0	22.0	26.7	23.4	25.1
24	12.6	11.1	11.8	17.7	11.9	14.8	24.2	20.2	22.2	26.3	23.8	25.0
25	12.2	9.9	11.5	19.7	14.1	16.7	22.4	20.4	21.2	27.2	23.7	25.4
26	9.9	8.0	8.4	20.8	15.3	18.0	21.3	19.4	20.2	26.8	23.8	25.4
27	11.6	8.3	9.6	20.8	16.0	18.5	21.2	16.7	18.9	27.6	24.0	25.6
28	12.6	8.1	10.2	21.9	16.3	19.1	20.9	15.9	18.5	26.0	24.6	25.2
29	13.4	9.3	11.4	20.3	17.0	18.8	20.2	17.1	18.9	25.8	23.7	24.6
30	---	---	---	20.2	16.7	18.3	20.6	19.1	19.9	27.5	24.3	25.8
31	---	---	---	16.9	13.5	15.1	---	---	---	26.5	21.7	23.4
MONTH	14.1	6.2	10.4	21.9	9.9	15.6	24.2	11.2	18.0	27.6	14.3	22.9

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.3	20.4	21.3	25.0	23.2	24.1	29.0	24.9	26.8	25.8	23.9	24.9
2	22.1	20.6	21.4	26.6	23.5	24.8	28.8	25.5	27.2	27.0	24.0	25.5
3	21.8	19.9	20.8	26.8	23.6	25.1	28.7	24.9	26.8	25.8	24.0	24.9
4	24.0	20.7	22.2	28.2	24.3	26.1	29.0	25.2	27.1	25.7	24.0	24.7
5	24.1	20.5	22.4	28.4	24.2	26.4	28.1	25.8	27.0	26.2	23.0	24.6
6	24.8	20.7	22.9	28.6	25.4	26.9	27.8	24.5	26.1	26.1	23.6	24.9
7	24.2	22.5	23.1	28.0	24.5	26.1	26.3	22.6	24.5	25.3	23.6	24.4
8	25.7	21.3	23.4	28.0	24.2	26.1	26.3	22.3	24.4	26.2	22.9	24.3
9	27.1	22.9	25.0	28.7	24.7	26.7	25.3	22.6	24.2	26.5	23.0	24.7
10	27.2	23.8	25.6	29.3	25.5	27.3	26.3	23.9	25.1	26.3	22.9	24.7
11	27.7	24.2	26.0	29.3	25.6	27.5	27.0	23.5	25.3	26.2	23.3	24.8
12	28.7	25.0	26.9	29.4	26.0	27.4	25.8	22.2	23.1	26.4	24.0	25.2
13	27.7	24.7	26.1	28.9	24.6	26.9	24.1	20.4	22.3	26.6	24.0	25.2
14	25.5	23.6	24.6	29.8	25.8	27.8	23.9	19.8	21.9	26.3	23.5	24.9
15	25.1	23.8	24.4	29.3	26.2	27.7	24.3	20.2	22.2	25.2	23.7	24.2
16	26.9	23.9	25.2	27.6	25.2	26.4	24.4	20.9	22.7	23.9	22.9	23.3
17	27.7	23.7	25.7	26.3	24.8	25.5	25.5	22.1	23.8	23.7	22.2	22.9
18	28.4	25.0	26.7	28.1	24.6	26.2	26.1	22.0	24.1	23.9	21.5	22.5
19	29.0	25.2	27.1	27.8	24.4	26.1	26.6	22.9	24.8	23.0	19.8	21.3
20	28.1	25.3	26.8	27.3	23.9	25.7	26.9	23.7	24.9	21.8	18.9	20.2
21	28.4	25.3	26.8	27.8	23.9	25.8	24.9	23.8	24.3	22.2	18.2	20.1
22	27.8	25.1	26.2	27.7	24.6	26.2	25.6	23.4	24.5	22.7	18.8	20.7
23	25.2	23.9	24.5	28.9	25.0	26.9	26.7	23.8	25.1	23.0	19.2	21.1
24	24.6	22.9	23.9	29.3	25.8	27.6	25.3	23.7	24.5	23.8	20.1	21.9
25	24.3	23.1	23.6	28.0	25.2	26.6	25.7	23.9	24.9	24.1	20.9	22.5
26	23.3	22.4	22.8	27.0	24.3	25.2	26.5	24.2	25.4	23.9	20.9	22.4
27	23.7	22.3	22.9	25.8	23.8	24.7	27.6	24.3	26.0	23.7	21.1	22.4
28	23.2	22.0	22.7	27.0	23.0	25.0	27.9	25.1	26.4	23.5	20.8	22.2
29	24.9	21.9	23.3	27.3	23.1	25.3	27.2	24.5	25.9	23.4	20.5	21.9
30	25.3	23.0	24.1	27.3	24.4	25.9	26.8	24.4	25.7	22.1	18.9	20.5
31	---	---	---	26.8	25.3	26.2	26.4	23.7	25.0	---	---	---
MONTH	29.0	19.9	24.3	29.8	23.0	26.2	29.0	19.8	24.9	27.0	18.2	23.3
YEAR	29.8	3.9	18.0									

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	13.2	7.8	9.6	---	---	---	---	---	---
2	---	---	---	13.2	7.8	9.6	9.2	7.2	8.5	---	---	---
3	---	---	---	13.2	7.9	9.7	7.7	4.7	6.1	---	---	---
4	---	---	---	12.8	7.5	9.5	---	---	---	---	---	---
5	---	---	---	12.2	6.8	8.7	---	---	---	---	---	---
6	---	---	---	10.4	6.6	7.9	---	---	---	---	---	---
7	12.3	8.6	10.6	12.6	6.9	8.9	---	---	---	13.2	11.0	12.0
8	12.3	8.4	9.7	13.5	7.4	9.5	14.1	11.8	12.9	13.0	12.0	12.4
9	12.0	8.1	9.6	14.1	8.1	10.1	13.8	10.6	12.2	12.3	11.8	12.0
10	10.8	7.7	8.7	14.3	7.8	9.9	11.0	10.1	10.6	13.7	11.9	12.5
11	9.9	7.2	8.2	14.8	8.1	10.2	13.5	11.0	12.0	14.1	12.4	13.0
12	9.7	6.8	7.9	14.0	7.8	10	14.5	11.8	12.8	14.0	12.0	12.9
13	---	---	---	15.1	7.6	10.1	13.2	11.9	12.5	13.8	11.4	12.4
14	---	---	---	16.1	9.3	11.8	13.1	11.6	12.2	12.8	11.0	11.8
15	---	---	---	16.4	9.7	12.1	15.4	12.1	13.3	14.3	10.9	12.1
16	---	---	---	14.1	8.8	10.9	14.9	11.4	12.9	14.8	11.5	12.6
17	---	---	---	15.4	8.0	10.6	14.2	11.5	12.5	14.0	10.9	12.2
18	---	---	---	10.3	7.5	8.6	14.2	11.3	12.8	13.2	10.5	11.4
19	---	---	---	9.6	6.6	8.8	14.3	11.1	12.1	15.9	10.8	12.8
20	---	---	---	12.5	9.3	10.6	14.8	11.4	12.6	16.1	12.4	13.7
21	---	---	---	13.5	10.2	11.3	14.8	11.2	12.7	16.5	12.6	13.9
22	---	---	---	13.5	9.6	11.4	14.3	10.6	12.2	16.5	12.4	13.8
23	---	---	---	14.3	10.7	12.1	12.4	9.7	10.6	16.8	12.3	13.8
24	---	---	---	13.2	10.8	11.5	12.9	9.3	10.8	16.8	11.3	13.5
25	---	---	---	---	---	---	14.2	9.0	11.3	11.3	10.3	10.9
26	---	---	---	---	---	---	13.9	9.7	11.7	---	---	---
27	---	---	---	---	---	---	13.1	9.4	11.2	---	---	---
28	13.6	9.0	11.4	---	---	---	12.8	7.4	10.2	---	---	---
29	13.4	8.7	10.1	---	---	---	10.8	7.4	9.0	---	---	---
30	13.5	8.4	10.1	---	---	---	---	---	---	14.7	11.4	12.5
31	13.4	8.1	9.9	---	---	---	---	---	---	15.8	11.6	13.2
MONTH	13.6	6.8	9.6	16.4	6.6	10.1	15.4	4.7	11.5	16.8	10.3	12.6
	FEBRUARY			MARCH			APRIL			MAY		
1	16.6	11.8	13.7	14.3	10.0	11.7	13.4	9.4	11.1	9.6	7.6	8.5
2	14.5	11.5	12.6	13.0	9.9	10.9	13.8	9.0	10.9	8.8	7.3	8.3
3	16.9	11.8	13.6	15.2	9.3	11.7	14.2	9.0	10.8	10.4	8.6	9.4
4	14.4	13.0	13.2	15.8	9.2	11.5	14.4	9.0	11.1	11.3	8.7	9.9
5	13.8	11.5	12.8	14.1	8.8	10.5	14.4	9.1	11.1	11.2	8.1	9.5
6	12.3	11.2	12.0	10.3	8.8	9.9	13.8	8.2	10.5	11.0	7.7	9.0
7	---	---	---	11.1	10.0	10.5	13.5	7.9	10.0	11.2	7.6	8.8
8	---	---	---	12.0	10.3	11.1	11.6	7.7	9.1	11.3	7.4	8.8
9	---	---	---	11.9	8.9	10.8	13.0	7.8	9.6	11.4	7.3	8.7
10	8.8	7.4	8.2	12.7	10.6	11.4	13.5	7.7	9.8	11.1	7.1	8.6
11	---	---	---	13.8	10.4	11.8	9.2	7.9	8.7	11.6	7.3	8.8
12	---	---	---	14.0	10.3	11.6	10.4	8.4	9.2	11.6	7.2	8.7
13	---	---	---	15.0	10.0	12.0	10.3	8.4	9.6	8.0	7.2	7.6
14	---	---	---	16.0	9.5	11.9	11.9	9.6	10.7	9.0	7.1	7.9
15	---	---	---	14.7	9.4	11.2	12.1	8.9	10.4	9.6	7.1	8.0
16	---	---	---	10.9	9.3	9.9	11.7	7.0	9.4	9.6	7.2	8.0
17	---	---	---	13.6	9.4	10.8	12.1	7.0	8.9	10.2	7.2	8.3
18	13.2	11.5	11.9	14.3	9.2	11.2	13.0	7.8	9.9	10.8	7.1	8.4
19	12.5	11.1	11.7	16.0	8.9	11.4	12.9	7.8	9.6	10.7	7.4	9.4
20	11.8	10.6	11.3	16.6	8.3	11.4	12.0	7.8	9.6	10.2	8.5	9.3
21	12.3	10.6	11.3	15.7	8.2	11.1	12.5	7.6	9.5	10.2	8.2	9.0
22	12.9	10.9	11.7	17.1	9.3	12.2	12.6	7.4	9.3	10.6	8.0	9.0
23	12.9	11.0	11.7	17.6	9.9	12.7	12.2	7.0	8.9	10.7	8.0	9.0
24	13.4	10.8	11.8	17.7	9.0	12.4	12.2	6.8	8.8	10.9	7.8	8.8
25	12.3	10.7	11.3	17.4	8.6	11.9	9.8	6.8	8.1	11.5	7.8	9.1
26	12.6	11.5	12.2	16.8	8.0	11.2	11.0	7.5	8.8	11.7	7.6	9.1
27	13.4	11.6	12.4	14.8	8.0	10.4	12.3	8.1	9.6	11.9	7.6	9.0
28	14.1	11.4	12.5	14.8	7.6	10.1	12.6	7.7	9.7	10.3	7.4	8.6
29	14.9	10.7	12.5	12.8	7.6	9.5	12.2	7.6	9.3	10.9	7.6	8.8
30	---	---	---	12.3	8.0	9.7	11.1	7.4	8.8	11.1	7.4	8.8
31	---	---	---	11.9	8.4	10.1	---	---	---	8.8	7.2	8.2
MONTH	16.9	7.4	12.0	17.7	7.6	11.1	14.4	6.8	9.7	11.9	7.1	8.8

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.8	8.4	8.9	9.7	7.6	8.4	9.8	6.7	7.9	13.5	7.8	9.8
2	9.8	7.9	8.9	10.5	7.5	8.5	9.8	6.7	7.8	14.2	7.7	9.8
3	9.1	8.8	8.9	9.2	7.1	8.0	10.5	6.7	8.0	11.1	7.5	8.6
4	9.3	8.4	8.9	10.1	6.8	8.0	10.8	6.1	7.9	11.1	7.4	8.6
5	10.0	8.3	9.1	10.6	6.6	8.0	10.1	6.1	7.8	10.7	7.3	8.3
6	10.7	8.1	9.2	10.6	6.6	7.9	10.6	6.6	7.9	10.5	7.1	8.3
7	9.7	8.1	8.7	9.8	6.9	7.9	11.1	6.8	8.4	8.6	7.2	8.0
8	11.1	8.0	9.3	10.4	6.6	8.0	11.5	6.9	8.4	10.4	7.0	8.7
9	11.5	7.7	9.1	11.0	6.5	8.0	11.0	7.0	8.3	9.2	5.0	6.9
10	11.9	7.6	9.1	11.1	6.4	7.9	11.2	7.0	8.3	10.8	5.8	7.8
11	11.9	7.4	9.1	11.0	6.4	7.8	11.5	7.0	8.6	10.8	5.7	8.0
12	12.1	7.1	8.8	10.7	6.3	7.6	8.7	4.3	8.1	11.6	6.8	8.6
13	8.9	6.9	7.8	9.8	6.2	7.7	10.0	8.0	8.7	11.6	6.5	8.6
14	11.3	7.6	8.8	10.2	6.1	7.3	10.6	8.0	8.8	10.7	6.7	8.3
15	9.3	7.7	8.2	10.5	6.1	7.5	10.9	7.9	8.9	10.0	6.6	8.2
16	9.7	7.3	8.3	11.0	6.3	7.7	11.7	3.4	8.9	9.1	7.1	8.0
17	10.2	7.4	8.4	9.7	6.5	7.7	12.2	4.5	8.7	---	---	---
18	10.7	7.3	8.4	10.9	6.4	7.9	12.4	7.0	8.9	---	---	---
19	11.2	7.0	8.5	10.7	6.2	7.8	11.8	4.7	8.2	---	---	---
20	11.6	7.0	8.6	11.7	6.4	8.1	12.0	6.9	8.3	9.6	8.7	8.9
21	11.7	7.0	8.6	11.7	6.8	8.4	8.4	7.1	7.7	9.5	8.5	9.0
22	11.5	7.0	8.4	12.0	6.6	8.4	9.8	7.0	7.9	9.7	8.2	8.9
23	7.9	7.5	7.7	11.4	6.5	8.1	10.4	7.1	8.1	10.1	8.2	8.9
24	8.4	7.5	8.1	11.4	6.3	7.9	10.6	7.0	8.2	10.6	8.1	9.0
25	8.3	8.1	8.2	9.9	6.2	7.2	12.7	7.2	9.5	11.3	7.9	9.0
26	8.7	7.0	8.3	7.9	6.7	7.2	14.3	9.0	10.6	12.1	7.9	9.2
27	---	---	---	8.2	7.5	7.8	14.0	8.5	10.4	12.5	7.8	9.3
28	8.9	8.0	8.4	8.6	7.2	7.8	15.4	8.3	10.3	12.5	7.8	9.4
29	9.3	7.7	8.4	9.0	7.2	7.9	14.6	8.1	10.2	12.6	7.8	9.3
30	9.4	7.6	8.3	9.0	7.1	7.9	13.5	7.9	9.8	12.8	8.0	9.6
31	---	---	---	9.0	6.7	7.7	13.2	8.0	9.6	---	---	---
MONTH	12.1	6.9	8.6	12.0	6.1	7.9	15.4	3.4	8.7	14.2	5.0	8.7
YEAR	17.7	3.4	9.8									

02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE, AL

LOCATION.--Lat 33° 38'32", long 86° 57'15", in NW $^1/_4$ 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 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 340 ft above NGVD of 1929 (from topographic map).

REMARKS.--Estimated daily discharges: Jan. 26-29. 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	1145	*22,100	*22.13	Sep 17	0300	11,100	16.10

Minimum discharge, 21 ft^3/s, Nov. 14, gage height, 0.71 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	36	52	85	74	192	97	112	116	133	69	35
2	45	33	50	74	68	212	84	219	107	116	61	35
3	43	34	50	63	74	246	76	119	338	300	58	45
4	42	33	55	60	64	194	70	83	312	123	51	115
5	39	36	56	398	239	179	66	72	116	93	50	45
6	40	43	45	256	14,100	1,440	71	63	82	84	50	36
7	48	40	41	148	938	541	67	58	106	125	41	51
8	44	39	40	120	535	395	100	53	96	126	33	115
9	43	36	39	149	424	321	101	49	69	82	30	55
10	47	33	87	122	349	264	77	46	62	67	55	44
11	49	34	81	103	305	223	277	49	55	59	40	39
12	44	31	57	99	663	195	188	46	47	80	575	34
13	41	31	49	89	443	169	302	151	40	120	94	32
14	41	32	57	88	375	150	211	118	44	63	55	33
15	40	29	51	82	566	142	158	69	75	52	44	34
16	40	27	52	76	460	319	136	83	95	57	44	2,990
17	43	30	73	77	378	210	115	65	113	64	46	3,420
18	48	65	58	86	321	171	97	60	76	56	44	377
19	46	196	51	78	282	145	88	410	60	45	38	250
20	44	59	42	73	252	131	92	103	42	43	108	170
21	45	48	42	71	223	134	88	75	37	40	152	138
22	44	38	49	70	187	115	81	70	61	36	52	119
23	40	37	48	68	171	107	70	72	202	35	48	103
24	39	36	97	66	164	102	66	53	304	34	51	93
25	39	36	56	403	178	95	63	51	307	91	45	85
26	37	34	48	e301	466	89	79	47	345	407	50	78
27	37	324	45	e163	296	87	82	46	275	629	51	72
28	43	169	43	e133	235	82	69	42	198	141	41	65
29	38	78	62	e101	203	82	65	45	184	94	38	66
30	37	60	312	91	---	112	68	40	166	81	36	65
31	38	---	112	79	---	111	---	264	---	85	36	---
TOTAL	1,308	1,757	2,000	3,872	23,033	6,955	3,204	2,833	4,130	3,561	2,186	8,839
MEAN	42.2	58.6	64.5	125	794	224	107	91.4	138	115	70.5	295
MAX	49	324	312	403	14,100	1,440	302	410	345	629	575	3,420
MIN	37	27	39	60	64	82	63	40	37	34	30	32
CFSM	0.46	0.64	0.70	1.36	8.66	2.45	1.16	1.00	1.50	1.25	0.77	3.21
IN.	0.53	0.71	0.81	1.57	9.34	2.82	1.30	1.15	1.68	1.44	0.89	3.59

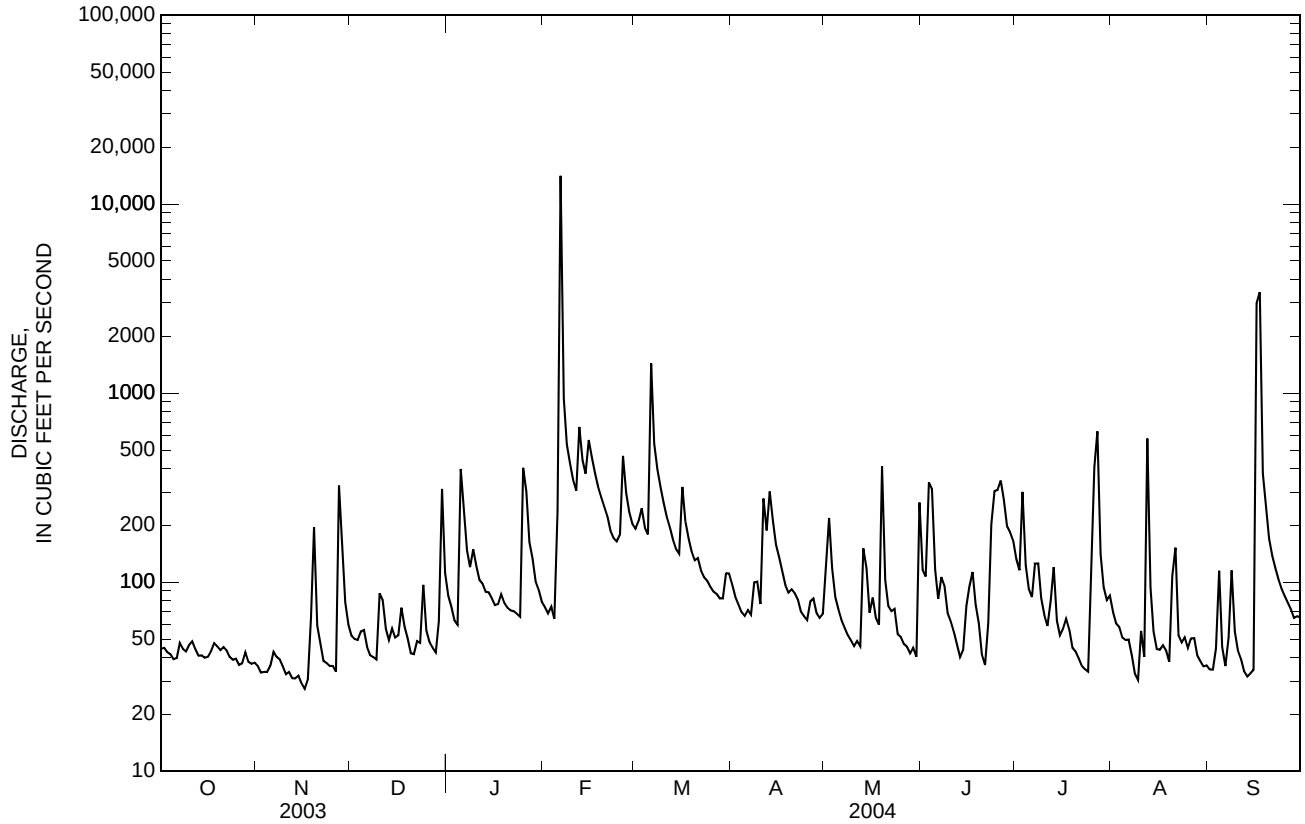
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	73.0	101	166	297	368	395	352	313	152	129	80.2	133
MAX	157	211	407	744	794	568	700	1,632	329	243	126	329
(WY)	(2003)	(2003)	(2003)	(1998)	(2004)	(2000)	(2001)	(2003)	(1997)	(2002)	(2003)	(2001)
MIN	35.5	42.9	56.6	106	112	224	107	65.5	54.4	39.7	51.1	34.7
(WY)	(1999)	(2000)	(2000)	(2000)	(2000)	(2004)	(2004)	(2000)	(2000)	(2000)	(1999)	(2000)

02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	105,162		63,678			
ANNUAL MEAN	288		174		212	
HIGHEST ANNUAL MEAN					340	2003
LOWEST ANNUAL MEAN					148	2000
HIGHEST DAILY MEAN	17,300	May 8	14,100	Feb 6	17,300	May 8, 2003
LOWEST DAILY MEAN	27	Nov 16	27	Nov 16	23	Sep 28, 2000
ANNUAL SEVEN-DAY MINIMUM	31	Nov 11	31	Nov 11	25	Sep 27, 2000
MAXIMUM PEAK FLOW			22,100	Feb 6	29,400	May 8, 2003
MAXIMUM PEAK STAGE			22.13	Feb 6	28.62	May 8, 2003
ANNUAL RUNOFF (CFSM)	3.14		1.90		2.31	
ANNUAL RUNOFF (INCHES)	42.66		25.83		31.42	
10 PERCENT EXCEEDS	450		301		377	
50 PERCENT EXCEEDS	113		71		91	
90 PERCENT EXCEEDS	39		38		38	

e Estimated



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.--Maximum and minimum values given in EXTREMES FOR PERIOD OF RECORD andEXTREMES FOR CURRENT YEAR may have been exceeded during periods of missing record.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Maximum, 1,200 microSiemens, Oct. 24, Nov. 8, 1998; minimum, 76 microSiemens, May 7, 2003.
WATER TEMPERATURE.--Maximum, 30.1°C, Aug. 13, 1999; minimum, 0.8°C, Jan. 3, 2001.
DISSOLVED OXYGEN.--Maximum, 19.2 mg/L, Mar. 11, 2002; minimum, 3.4 mg/L, Jan. 17, 2000, Oct. 22, 2000.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 674 microSiemens/cm, Nov. 3, 4; minimum, 95 microSiemens/cm, Feb. 5, 6.
WATER TEMPERATURE: Maximum, 29.4°C, July 24; minimum, 4.0°C, Dec. 21.
DISSOLVED OXYGEN: Maximum, 17.5 mg/L, Jan. 24; minimum, 3.7 mg/L, Sept. 17.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	587	568	574	661	641	647	505	461	490	473	405	445
2	597	584	590	662	655	657	540	505	517	506	473	495
3	603	581	591	674	620	641	556	537	546	529	506	519
4	599	581	595	674	613	636	575	542	562	534	516	527
5	599	592	595	637	594	612	579	567	574	516	277	391
6	597	586	592	625	605	621	598	576	591	348	277	306
7	586	569	578	623	613	618	586	568	572	425	348	387
8	588	569	577	628	606	616	591	575	584	467	425	453
9	612	588	603	618	596	603	594	584	587	488	449	466
10	603	580	590	612	585	597	585	534	554	488	438	458
11	592	579	584	617	582	596	572	435	526	477	438	460
12	593	582	589	620	609	614	473	431	445	488	477	481
13	605	590	597	638	602	617	508	453	484	496	487	489
14	590	582	585	638	621	625	566	475	542	504	487	497
15	589	578	582	621	608	613	574	556	569	508	492	500
16	601	589	595	622	605	612	563	528	549	515	494	505
17	598	586	591	619	612	616	586	528	548	515	503	511
18	603	589	598	627	460	576	601	488	553	516	497	507
19	609	603	607	549	344	409	518	476	494	523	493	510
20	616	603	610	398	350	369	577	518	558	503	493	497
21	619	601	610	477	398	437	593	570	582	542	503	519
22	623	614	619	542	477	514	581	571	575	547	542	545
23	626	614	620	569	542	562	576	524	555	556	534	549
24	633	616	627	559	552	555	552	522	540	553	534	546
25	651	631	644	568	557	563	532	448	477	538	263	450
26	668	641	654	579	566	570	494	454	479	335	256	289
27	665	646	656	579	278	450	515	493	505	408	335	369
28	663	623	641	323	267	288	530	512	521	448	408	427
29	651	621	632	421	323	373	536	414	511	469	448	460
30	667	617	639	461	421	449	521	278	347	483	466	477
31	669	651	662	---	---	---	405	296	354	492	474	482
MONTH	669	568	607	674	267	555	601	278	526	556	256	468

02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE, AL—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	500	490	494	428	413	422	492	465	484	545	477	509
2	507	493	502	433	424	429	520	486	505	480	309	424
3	507	499	502	447	408	430	523	512	516	359	298	322
4	527	507	519	428	408	412	528	517	523	442	359	408
5	536	95	488	443	428	437	527	519	524	499	442	474
6	264	95	149	442	196	260	526	519	522	526	499	512
7	344	264	311	331	278	312	544	520	532	548	526	536
8	377	344	363	367	331	349	549	507	527	552	543	547
9	398	377	389	395	367	383	526	494	511	558	543	553
10	417	398	406	417	395	406	494	484	490	550	542	546
11	429	390	422	431	416	423	484	336	433	557	545	553
12	390	283	329	441	430	434	375	336	348	548	535	540
13	358	297	332	448	439	443	390	333	358	559	342	484
14	388	358	374	453	443	446	366	337	346	474	342	405
15	390	298	344	451	445	448	408	366	388	479	434	451
16	348	297	319	449	342	398	424	408	415	510	409	465
17	385	348	369	392	315	352	450	423	439	517	413	484
18	415	385	400	425	392	409	465	440	451	526	517	521
19	433	415	425	434	425	430	466	460	462	---	---	---
20	449	433	441	443	434	439	492	465	473	406	349	377
21	460	446	452	454	439	450	500	492	498	451	406	438
22	477	460	469	451	423	438	506	493	499	511	368	470
23	477	470	473	464	434	450	519	497	508	536	468	509
24	491	476	484	473	464	468	524	515	519	534	474	511
25	500	403	488	492	467	480	527	521	524	491	466	475
26	418	307	358	497	485	490	522	509	516	536	491	510
27	381	310	348	503	490	497	518	497	511	536	527	531
28	402	381	392	502	498	500	515	497	503	558	536	546
29	413	402	406	503	493	499	542	510	522	575	552	562
30	---	---	---	501	491	497	545	536	540	559	546	553
31	---	---	---	504	465	485	---	---	---	561	302	413
MONTH	536	95	405	504	196	430	549	333	480	575	298	488
		JUNE			JULY			AUGUST			SEPTEMBER	
1	358	294	315	417	359	401	512	480	497	554	539	542
2	432	318	392	432	417	428	523	509	516	573	539	559
3	440	237	336	---	---	---	537	523	534	577	559	570
4	278	230	250	---	---	---	559	531	540	572	352	494
5	374	270	323	---	---	---	578	559	572	535	470	486
6	425	374	408	---	---	---	565	555	558	510	478	502
7	451	425	438	---	---	---	561	550	556	521	504	515
8	441	399	422	---	---	---	558	545	552	524	468	506
9	473	437	453	462	436	443	578	541	553	468	423	437
10	509	471	490	480	446	468	578	461	517	487	425	455
11	515	496	503	498	480	487	578	465	535	516	487	506
12	522	498	509	505	319	461	572	146	263	522	509	517
13	528	503	518	491	424	469	353	276	313	544	516	528
14	529	512	520	467	402	422	449	353	401	545	535	540
15	525	461	488	500	422	463	502	449	483	541	532	537
16	497	435	472	513	430	495	526	501	517	543	115	355
17	483	394	438	484	464	475	536	510	526	268	113	202
18	397	384	390	510	484	496	545	535	539	334	268	306
19	462	392	443	518	510	515	570	540	558	378	334	359
20	460	446	453	521	510	515	585	319	527	418	378	394
21	482	457	471	537	518	524	477	293	396	465	418	440
22	499	415	479	557	537	552	417	380	407	497	465	483
23	428	373	400	567	546	559	456	413	432	507	497	504
24	387	359	372	554	544	550	501	454	485	517	507	514
25	364	351	361	576	481	554	506	499	502	527	517	522
26	382	346	371	494	182	315	525	505	515	541	527	537
27	347	309	323	325	174	255	544	515	531	543	534	538
28	397	347	378	410	325	374	561	540	550	544	538	541
29	396	285	377	472	410	445	542	522	532	549	540	544
30	397	320	372	519	472	502	562	536	548	561	549	556
31	---	---	---	536	456	501	562	551	556	---	---	---
MONTH	529	230	416	576	174	467	585	146	500	577	113	483
YEAR	674	95	486									

02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.8	16.1	17.5	18.3	15.8	17.1	9.4	7.4	8.5	8.8	6.8	7.8
2	17.8	15.2	16.6	18.3	16.0	17.2	9.1	7.6	8.4	10.7	8.3	9.3
3	17.1	14.0	15.7	18.0	15.7	16.9	9.4	7.6	8.5	13.3	10.7	12.2
4	18.9	15.6	17.1	19.0	16.3	17.6	10.3	9.4	9.9	15.5	13.3	14.5
5	19.6	16.8	18.2	20.7	18.6	19.6	10.3	8.9	9.8	15.5	12.3	14.2
6	19.7	18.7	19.2	21.3	20.2	20.7	8.9	7.6	8.4	12.3	8.3	10.3
7	20.7	19.0	19.8	20.5	18.7	19.7	7.9	6.2	7.1	8.3	6.0	6.8
8	21.4	19.3	20.3	18.7	16.8	17.8	7.9	5.8	6.9	6.7	5.8	6.2
9	20.7	19.2	20.2	16.9	15.1	16.2	10.6	7.1	8.6	7.4	6.6	7.0
10	20.9	19.7	20.3	16.8	15.3	16.1	11.0	9.8	10.5	7.4	6.1	6.8
11	21.1	20.0	20.6	17.1	15.0	16.0	9.8	8.5	9.3	6.5	4.6	5.7
12	21.3	19.0	20.2	17.6	15.8	16.7	8.5	7.0	7.7	7.0	4.7	5.9
13	21.4	19.2	20.4	17.5	13.6	15.9	8.0	7.3	7.6	8.7	6.3	7.4
14	21.0	19.2	20.4	13.6	11.3	12.2	8.4	7.8	8.2	9.1	7.9	8.5
15	19.2	16.6	17.8	12.8	10.6	11.7	8.1	6.6	7.4	9.4	8.2	8.7
16	17.6	15.0	16.4	14.0	12.0	12.9	10.4	7.3	8.8	8.6	6.6	7.7
17	16.5	14.7	15.4	16.7	14.0	15.4	9.8	8.0	8.8	9.0	7.2	8.0
18	17.1	14.6	15.7	17.0	16.3	16.7	8.2	6.6	7.4	10.5	9.0	9.9
19	17.1	14.3	15.8	17.2	14.7	16.5	7.7	6.5	7.1	10.0	6.3	8.3
20	17.8	14.9	16.4	14.7	12.7	13.7	6.7	5.0	5.8	6.3	4.6	5.5
21	18.6	15.6	17.2	13.9	11.8	13.0	5.9	4.0	5.0	6.3	4.3	5.3
22	19.1	16.6	17.9	14.8	12.2	13.5	7.6	5.0	6.2	6.5	4.2	5.4
23	18.5	16.0	17.4	15.3	12.8	14.1	9.3	7.4	8.3	6.6	4.8	5.7
24	18.8	16.3	17.6	15.3	11.4	13.8	9.6	7.7	9.0	8.2	5.2	6.6
25	19.4	17.1	18.2	11.4	9.2	10.1	7.7	5.7	6.4	11.5	8.2	9.9
26	19.6	18.6	19.0	11.3	8.6	10	6.4	4.6	5.5	11.9	11.3	11.6
27	18.9	16.1	17.7	14.0	11.3	12.5	6.7	4.6	5.7	11.4	8.5	10.4
28	16.1	13.9	15.1	14.2	11.4	13.4	7.5	5.0	6.3	8.5	6.5	7.3
29	16.3	13.9	15.1	11.4	9.1	10.1	13.2	7.4	9.0	7.5	5.0	6.4
30	16.7	14.0	15.4	9.2	7.5	8.5	10.4	8.9	9.9	9.4	7.3	8.2
31	17.6	15.0	16.3	---	---	---	8.9	7.1	8.0	8.1	6.1	7.3
MONTH	21.4	13.9	17.8	21.3	7.5	14.9	13.2	4.0	7.9	15.5	4.2	8.2
		FEBRUARY			MARCH			APRIL			MAY	
1	8.7	6.3	7.5	14.7	12.1	13.4	15.0	12.3	13.7	21.3	18.9	20.0
2	8.9	8.6	8.7	14.7	14.4	14.6	16.3	12.1	14.2	20.8	18.0	19.6
3	9.2	7.7	8.7	16.9	14.2	15.5	16.9	12.8	14.9	18.6	16.4	17.4
4	8.4	6.1	7.3	17.6	15.2	16.5	16.9	13.2	15.0	18.8	14.8	16.8
5	12.1	7.8	9.0	18.0	16.6	17.3	16.8	12.6	14.8	20.6	15.9	18.2
6	13.1	11.8	12.5	18.0	15.6	16.2	18.6	14.1	16.3	22.6	18.1	20.3
7	11.8	9.9	10.8	16.2	14.2	15.1	18.5	15.2	17.0	23.6	19.3	21.4
8	10.4	8.9	9.7	14.8	12.6	13.7	19.6	16.9	18.1	24.4	20.0	22.2
9	11.3	9.0	10.2	13.7	12.0	12.8	20.1	16.0	18.1	24.8	20.8	22.8
10	11.4	11.2	11.3	13.9	10.9	12.4	19.3	16.2	17.8	24.7	21.9	23.3
11	11.2	10.4	10.9	14.1	10.6	12.4	18.5	17.2	17.6	24.7	21.6	23.1
12	10.4	9.6	9.9	14.6	11.5	13.1	18.9	16.7	17.6	23.8	21.6	22.8
13	10.7	9.3	10.0	14.6	11.4	13.0	17.8	13.0	15.0	22.8	21.9	22.4
14	11.5	10.3	10.9	15.8	12.8	14.4	15.7	11.9	13.7	24.1	21.2	22.6
15	11.4	10.0	10.8	15.8	14.6	15.3	17.2	12.3	14.8	23.7	21.8	22.8
16	10.3	9.6	10.0	17.1	15.0	15.9	18.7	14.0	16.4	23.9	22.2	23.0
17	11.0	10.0	10.4	16.9	13.9	15.4	20.1	15.6	17.9	24.3	21.8	23.0
18	11.2	8.9	10.0	16.9	13.8	15.3	21.0	16.8	18.9	23.4	22.1	22.6
19	11.5	8.8	10.2	18.7	14.4	16.6	21.4	17.4	19.5	---	---	---
20	12.1	10.3	11.2	19.8	15.8	17.9	20.6	18.0	19.4	25.3	24.2	24.9
21	13.2	11.2	12.2	18.9	15.7	17.8	20.9	18.1	19.5	25.9	22.5	24.3
22	12.4	10.0	11.3	15.7	13.1	14.5	22.3	19.0	20.6	26.0	23.3	24.6
23	11.3	10.5	10.9	15.3	11.3	13.4	23.5	20.0	21.7	26.1	23.4	24.8
24	12.4	11.0	11.7	16.6	12.3	14.5	23.4	20.3	21.9	26.2	23.7	24.8
25	12.2	10.0	11.6	18.4	14.4	16.4	22.2	20.2	20.9	26.8	23.7	25.2
26	10.0	8.8	9.4	19.6	15.5	17.6	21.0	19.3	20.1	26.6	23.8	25.2
27	11.0	8.7	9.7	19.5	16.5	18.2	20.8	17.3	19.0	27.4	23.7	25.4
28	11.8	8.6	10.2	20.6	16.6	18.6	20.2	16.2	18.3	25.8	24.3	25.1
29	12.6	9.8	11.3	19.3	17.4	18.5	19.5	16.9	18.4	25.5	23.6	24.5
30	---	---	---	19.1	16.8	17.9	19.9	18.4	19.2	27.3	24.0	25.5
31	---	---	---	17.0	13.9	15.3	---	---	---	26.5	22.1	23.7
MONTH	13.2	6.1	10.3	20.6	10.6	15.5	23.5	11.9	17.7	27.4	14.8	22.7

02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.2	20.8	21.5	24.1	22.7	23.3	27.9	24.4	26.0	25.6	23.8	24.8
2	21.5	20.6	21.1	25.9	23.0	24.0	28.6	25.1	26.8	26.5	23.9	25.1
3	21.8	20.2	21.0	---	---	---	28.5	24.8	26.6	25.6	24.3	24.9
4	23.2	20.8	21.8	---	---	---	28.6	25.0	26.8	25.4	23.9	24.6
5	23.0	20.6	21.9	---	---	---	27.6	25.5	26.7	26.1	22.8	24.4
6	23.9	20.7	22.3	---	---	---	27.6	24.5	26.0	26.0	23.5	24.8
7	23.3	22.1	22.7	---	---	---	26.0	22.7	24.5	25.0	23.4	24.1
8	25.3	21.5	23.3	---	---	---	26.4	22.6	24.5	25.5	22.9	24.1
9	26.6	22.8	24.6	27.7	25.0	27.0	25.0	22.9	24.1	25.7	22.9	24.3
10	27.4	23.7	25.5	28.6	25.3	26.8	26.4	23.6	24.9	25.9	22.8	24.4
11	27.4	24.5	25.9	28.2	25.3	26.8	26.9	23.8	25.4	25.8	22.9	24.5
12	28.7	24.9	26.7	28.8	25.6	26.4	25.8	22.1	22.8	25.9	23.7	24.8
13	27.5	24.8	26.0	28.7	25.0	26.7	23.3	20.3	21.8	26.0	23.8	24.8
14	26.0	23.7	24.9	29.2	25.8	27.5	23.1	19.7	21.4	25.6	23.4	24.5
15	25.3	23.4	24.5	29.2	26.0	27.5	23.7	19.9	21.7	24.5	23.2	23.7
16	26.2	23.9	25.0	27.5	25.1	26.1	23.5	20.3	22.0	23.6	22.5	22.9
17	27.6	24.1	25.8	25.6	24.4	25.0	25.0	21.5	23.2	22.8	21.9	22.4
18	27.6	24.8	26.3	27.7	24.3	25.8	25.6	21.8	23.7	22.8	21.3	22.0
19	28.9	25.4	27.0	27.8	24.2	26.0	26.3	22.7	24.5	22.0	19.9	21.0
20	27.7	25.3	26.6	27.2	23.9	25.6	26.4	23.4	24.5	21.0	19.1	20.2
21	28.0	25.1	26.5	27.6	23.9	25.7	24.3	23.7	24.0	21.0	18.4	19.8
22	27.9	25.1	26.2	27.7	24.4	26.1	25.0	23.3	24.1	21.6	18.9	20.3
23	25.4	24.4	24.8	28.9	24.9	26.8	25.6	23.5	24.5	21.8	19.2	20.6
24	24.4	23.6	23.8	29.4	25.8	27.5	24.9	23.5	24.3	22.7	20.0	21.3
25	24.2	23.4	23.7	28.7	25.9	27.3	25.3	23.8	24.6	23.2	20.9	22.0
26	23.7	22.3	23.0	26.1	24.3	25.2	25.6	24.0	24.9	23.2	21.1	22.1
27	23.6	22.4	22.9	24.9	23.6	24.1	27.5	24.2	25.7	23.2	21.2	22.2
28	23.0	22.3	22.7	26.0	22.7	24.2	27.8	24.9	26.3	22.9	21.1	22.1
29	24.5	22.0	22.9	26.1	22.9	24.6	26.9	24.5	25.7	22.8	20.8	21.8
30	24.5	22.3	23.2	27.1	24.2	25.6	26.6	24.6	25.6	21.5	19.3	20.5
31	---	---	---	26.2	25.1	25.5	26.2	23.7	25.0	---	---	---
MONTH	28.9	20.2	24.1	29.4	22.7	25.9	28.6	19.7	24.6	26.5	18.4	23.0
YEAR	29.4	4.0	17.6									

02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.3	9.2	9.6	14.2	10.1	11.8	---	---	---	12.9	11.8	12.2
2	10.6	9.3	9.9	14.2	10.2	11.9	---	---	---	12.0	10.9	11.5
3	11.2	9.6	10.3	14.2	10.5	12.0	11.6	10.8	11.2	11.5	10.1	10.7
4	11.2	9.5	10.1	14.5	10.7	12.2	10.8	10.4	10.6	10.9	9.3	9.9
5	11.3	9.0	10	13.6	10.3	11.6	10.9	10.2	10.5	10.1	9.0	9.5
6	10.0	8.5	9.2	12.0	9.5	10.6	11.5	10.7	11.1	11.7	10.1	11.0
7	10.6	8.5	9.3	13.2	9.8	11.2	12.3	11.2	11.7	13.2	11.7	12.6
8	10.8	8.2	9.3	13.4	10.0	11.5	12.4	11.6	11.9	13.1	12.5	12.8
9	10.9	8.3	9.6	13.9	10.5	11.9	12.3	10.9	11.7	12.5	12.1	12.3
10	10.5	8.1	9.1	13.8	10.8	12.0	10.9	10.0	10.4	13.3	12.1	12.7
11	10.6	8.0	9.1	13.6	10.9	12.0	11.7	10.3	11.0	13.8	12.8	13.2
12	11.1	8.0	9.3	12.9	10.5	11.6	12.7	11.2	11.8	13.8	12.8	13.2
13	11.5	7.9	9.4	13.0	10.5	11.6	11.8	11.3	11.5	13.5	12.1	12.8
14	10.2	7.7	8.9	13.8	11.1	12.2	11.8	10.8	11.3	12.8	11.5	12.1
15	11.3	8.3	9.5	13.7	11.6	12.4	13.0	11.3	12.0	13.8	11.3	12.5
16	11.9	8.9	10.1	12.6	11.2	11.8	12.9	11.2	11.9	14.3	12.0	13.0
17	10.5	9.0	9.7	13.3	10.6	11.6	12.5	10.7	11.5	14.0	11.9	12.8
18	12.2	9.3	10.4	10.9	9.0	9.8	13.2	11.4	12.1	13.2	11.0	12.0
19	12.0	9.2	10.3	9.5	8.8	9.3	13.4	11.5	12.3	15.8	11.1	13.3
20	12.2	9.0	10.2	10.8	9.5	10.2	13.9	12.0	12.9	16.3	11.4	14.4
21	12.3	8.7	10.1	11.0	10.1	10.4	14.4	12.7	13.4	16.7	13.4	14.9
22	11.9	8.2	9.7	10.6	9.5	10.1	14.5	12.5	13.3	17.1	13.5	15.1
23	12.2	8.3	9.8	10.0	8.8	9.5	12.8	11.1	12.0	17.1	12.1	14.9
24	12.3	8.2	9.8	9.1	8.2	8.6	12.9	10.6	11.6	17.5	13.2	15.1
25	12.8	8.0	9.9	8.7	7.9	8.3	14.3	11.5	12.8	13.8	10.4	11.7
26	10.5	7.5	8.8	---	---	---	14.5	12.5	13.3	10.7	10.1	10.5
27	11.4	7.4	9.2	---	---	---	14.5	12.5	13.3	12.4	10.5	11.4
28	12.7	8.6	10.3	---	---	---	14.7	12.3	13.3	14.0	11.8	12.9
29	12.2	8.8	10.2	---	---	---	13.1	10.9	12.0	14.2	11.4	13.2
30	14.2	8.7	11.1	---	---	---	11.1	10.3	10.8	14.1	11.7	12.7
31	14.3	10.3	12.0	---	---	---	12.3	11.0	11.8	14.5	11.8	13.0
MONTH	14.3	7.4	9.8	14.5	7.9	11.0	14.7	10.0	11.9	17.5	9.0	12.6
		FEBRUARY			MARCH			APRIL			MAY	
1	15.3	11.9	13.3	11.3	10.2	10.8	12.2	9.1	10.3	10.3	7.6	8.8
2	13.1	11.3	12.1	10.8	9.6	10.2	12.6	9.1	10.4	8.4	7.4	7.9
3	15.6	11.0	13.0	11.6	9.7	10.5	12.4	8.9	10.2	9.1	8.2	8.7
4	16.4	12.1	13.9	11.9	9.2	10.4	12.3	8.7	10.1	9.8	8.7	9.1
5	13.1	10.8	11.8	10.9	8.7	9.7	12.4	9.0	10.2	9.8	8.3	9.0
6	10.9	10.0	10.2	9.4	8.9	9.2	11.8	8.7	9.9	10.0	8.0	8.8
7	11.1	10.4	10.7	9.8	9.2	9.6	10.6	8.3	9.2	9.8	8.2	8.8
8	11.5	11.1	11.3	10.4	9.7	10.1	9.4	7.9	8.5	9.7	7.9	8.6
9	11.4	10.8	11.2	10.6	10.0	10.3	10.0	8.0	8.8	9.7	7.6	8.5
10	10.8	10.7	10.7	11.0	10.3	10.6	9.8	7.9	8.6	9.8	7.3	8.4
11	11.0	10.7	10.8	11.5	10.3	10.8	8.6	8.0	8.3	9.9	7.4	8.5
12	11.4	11.0	11.2	11.3	10.2	10.7	8.9	8.4	8.6	9.8	7.3	8.4
13	11.4	11.0	11.3	11.9	10.5	11.1	9.7	8.4	9.1	7.9	6.9	7.5
14	11.0	10.7	10.9	12.0	10.2	10.9	10.4	9.7	10.1	8.3	6.9	7.6
15	11.1	10.6	10.8	11.6	9.6	10.5	10.4	9.4	10	8.4	7.0	7.7
16	11.3	11.1	11.2	10.1	9.5	9.7	10.2	9.0	9.6	8.2	7.2	7.6
17	11.2	11.2	11.2	11.2	9.4	10.2	9.9	8.7	9.2	8.8	7.3	7.9
18	11.5	10.9	11.1	11.9	9.8	10.6	9.8	8.5	9.0	7.7	7.3	7.4
19	11.3	10.9	11.0	12.6	9.7	10.8	9.7	8.3	8.8	---	---	---
20	11.0	10.7	10.9	12.8	9.4	10.8	9.6	8.2	8.8	8.2	7.4	7.7
21	10.8	10.6	10.7	13.4	8.8	10.8	9.6	8.2	8.8	8.0	7.3	7.6
22	11.2	10.7	11.0	14.8	10.0	12.1	9.6	7.9	8.6	8.2	7.2	7.6
23	11.2	10.8	11.0	15.7	10.8	12.9	9.4	7.6	8.4	8.3	7.1	7.6
24	11.3	10.7	11.0	16.5	10.6	13.0	9.4	7.5	8.3	8.6	7.1	7.7
25	11.2	10.4	10.7	15.7	9.8	12.2	8.5	7.4	7.9	9.1	7.0	7.9
26	11.5	11.1	11.3	15.2	8.4	11.2	9.4	7.7	8.4	9.7	6.9	8.1
27	11.6	11.3	11.5	13.7	7.8	10.3	10.0	8.2	8.9	10.1	6.8	8.2
28	11.7	11.2	11.5	13.9	7.6	10.1	10.4	8.3	9.2	9.3	6.5	7.7
29	11.9	11.0	11.4	11.3	7.2	9.0	10.2	8.4	9.1	9.8	6.7	7.9
30	---	---	---	11.4	7.5	9.0	10.1	7.8	8.7	10.1	6.7	8.1
31	---	---	---	11.1	7.8	9.3	---	---	---	7.5	6.2	7.1
MONTH	16.4	10.0	11.3	16.5	7.2	10.6	12.6	7.4	9.1	10.3	6.2	8.1

02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.2	7.4	7.8	9.1	7.8	8.3	8.7	7.3	8.0	9.4	6.6	7.8
2	8.7	7.7	8.1	10.2	7.6	8.6	8.6	7.3	7.8	9.9	6.6	7.9
3	8.4	8.0	8.2	---	---	---	8.9	7.0	7.8	8.9	6.4	7.5
4	8.4	7.8	8.1	---	---	---	9.7	6.8	7.9	8.5	7.0	7.5
5	8.5	7.9	8.2	---	---	---	9.1	6.7	7.7	8.7	6.9	7.6
6	8.9	8.0	8.4	---	---	---	9.2	6.8	7.9	8.5	6.7	7.4
7	8.8	7.7	8.2	---	---	---	10.3	6.5	7.9	7.6	6.6	7.0
8	9.4	7.9	8.5	---	---	---	9.5	5.9	7.4	8.4	7.0	7.6
9	10.3	7.4	8.6	12.4	7.2	10.4	8.5	5.0	7.0	8.6	6.9	7.6
10	11.6	7.1	8.9	13.3	6.4	9.0	8.8	6.3	7.8	8.8	7.0	7.7
11	12.0	6.5	8.8	13.3	6.3	9.1	8.6	5.4	7.2	9.1	7.2	8.0
12	11.3	5.1	8.1	14.2	6.2	8.5	7.3	4.1	6.8	9.0	7.1	7.9
13	---	---	---	11.4	6.5	8.4	8.4	7.1	7.9	9.2	7.0	7.9
14	---	---	---	12.5	6.2	8.6	8.9	8.0	8.5	9.6	7.5	8.3
15	---	---	---	12.8	5.9	8.7	9.0	8.3	8.6	9.3	7.5	8.3
16	---	---	---	12.6	6.1	8.5	8.9	8.0	8.5	8.7	5.9	7.8
17	---	---	---	9.3	6.1	7.6	8.9	7.1	8.1	9.1	3.7	7.8
18	---	---	---	11.1	6.1	8.3	9.1	6.2	7.8	9.5	9.1	9.3
19	---	---	---	11.3	6.7	8.4	9.4	6.6	8.0	9.7	9.4	9.6
20	---	---	---	11.4	6.6	8.7	8.9	6.4	7.6	10.2	9.3	9.9
21	---	---	---	11.4	6.5	8.6	---	---	---	---	---	---
22	---	---	---	11.6	6.2	8.5	---	---	---	9.0	7.1	8.3
23	---	---	---	11.5	6.5	8.5	---	---	---	8.6	8.1	8.3
24	---	---	---	11.1	6.1	8.2	---	---	---	8.4	7.9	8.2
25	---	---	---	9.8	6.0	7.5	8.7	7.4	8.0	8.5	7.8	8.1
26	---	---	---	8.7	6.6	7.4	8.5	6.9	7.7	8.7	7.7	8.1
27	---	---	---	8.2	6.6	7.9	9.3	6.8	7.8	9.1	7.6	8.2
28	8.8	8.3	8.4	8.5	8.0	8.3	9.8	6.5	7.7	9.6	7.6	8.4
29	8.7	7.8	8.3	8.6	7.8	8.2	9.4	6.3	7.5	10.1	7.6	8.6
30	8.8	7.9	8.2	8.5	7.7	8.1	9.5	6.3	7.6	10.4	7.9	8.9
31	---	---	---	8.6	7.6	8.0	9.6	6.5	7.7	---	---	---
MONTH	12.0	5.1	8.3	14.2	5.9	8.4	10.3	4.1	7.8	10.4	3.7	8.1
YEAR	17.5	3.7	9.8									

02458148 VILLAGE CREEK AT 86TH STREET NORTH AT ROEBUCK, AL

LOCATION.--Lat 33° 34'37", long 86° 43'09", in NW $^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 640 ft above NGVD of 1929 from topographic map.

REMARKS.--Estimated daily discharges: Feb. 13-17. 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 650 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0115	1,060	9.60	Sep 16	1700	*1,330	*10.68

Minimum discharge, 1.4 ft^3/s, May 27, gage height, 0.90 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	4.0	4.7	4.9	5.5	7.0	6.0	6.8	2.2	5.3	4.3	3.9
2	4.8	4.0	4.4	4.9	5.7	12	6.0	28	3.0	10	4.2	12
3	4.8	3.9	4.3	4.7	5.6	7.8	6.0	7.7	42	7.6	3.8	5.6
4	4.8	4.0	4.6	4.7	5.3	7.5	5.8	7.3	6.1	5.5	4.1	5.2
5	4.8	4.4	4.3	18	5.7	7.3	5.8	7.2	4.5	5.1	5.1	5.1
6	4.8	4.6	4.2	5.9	148	45	5.7	6.8	5.9	5.0	3.4	5.0
7	4.8	4.5	4.3	5.4	19	12	5.6	6.7	5.7	4.9	3.4	12
8	4.8	4.4	4.1	5.2	14	10	7.2	6.5	4.2	4.6	3.4	6.0
9	4.5	4.0	4.1	6.5	12	9.3	6.0	6.3	3.9	5.9	3.2	5.2
10	4.6	3.9	11	5.4	12	8.9	6.2	6.2	3.6	4.0	3.2	4.8
11	4.6	3.8	4.9	5.1	16	8.5	20	6.1	3.5	4.1	3.2	5.0
12	4.5	3.8	4.5	5.1	54	8.1	9.2	8.4	3.5	4.2	18	4.8
13	4.4	3.7	4.5	4.9	e13	7.8	9.0	9.2	3.3	4.1	3.0	4.8
14	4.5	3.8	4.7	4.9	e13	7.5	6.4	6.3	3.2	3.8	2.7	4.6
15	4.4	3.8	4.3	4.9	e56	7.3	6.0	6.0	5.3	3.6	2.7	4.7
16	4.3	3.9	6.1	4.7	e15	9.2	5.8	5.9	17	3.6	2.6	387
17	4.6	3.8	4.9	4.7	e9.8	7.1	5.8	5.8	3.6	3.8	3.5	28
18	4.4	15	4.7	4.9	7.6	6.8	5.6	25	3.2	3.5	4.4	12
19	4.3	4.8	4.3	4.7	8.0	6.8	5.4	9.5	2.8	3.5	4.3	8.4
20	4.3	4.5	4.3	4.5	7.8	6.9	5.3	4.0	2.7	3.4	6.0	7.7
21	4.3	4.4	4.3	4.4	7.4	6.7	5.2	2.4	2.8	3.3	4.9	7.3
22	4.3	4.2	4.3	4.3	7.1	6.5	5.0	3.0	11	3.0	4.8	6.9
23	4.4	4.2	8.4	4.3	6.8	6.4	5.1	2.4	3.8	2.9	4.7	6.5
24	4.2	4.2	4.9	4.4	6.5	6.2	5.1	4.9	30	2.9	4.7	6.3
25	4.2	4.2	4.5	35	13	6.2	5.1	2.6	9.1	3.1	4.7	6.0
26	4.2	4.1	4.5	7.5	14	6.2	6.4	2.5	8.7	62	4.5	5.9
27	4.1	30	4.3	6.7	7.1	6.0	5.4	2.1	6.8	6.5	4.5	5.8
28	4.1	6.1	4.3	6.3	7.0	6.0	5.1	1.9	6.6	4.6	4.5	5.6
29	4.1	5.3	23	6.0	6.9	6.0	5.1	2.3	5.8	4.5	4.5	5.5
30	4.1	4.9	6.5	5.8	---	6.6	5.4	2.1	5.7	4.5	4.5	5.3
31	3.9	---	5.2	5.7	---	6.2	---	14	---	4.5	4.4	---
TOTAL	137.8	164.2	171.4	204.4	508.8	271.8	191.7	215.9	219.5	197.3	139.2	592.9
MEAN	4.45	5.47	5.53	6.59	17.5	8.77	6.39	6.96	7.32	6.36	4.49	19.8
MAX	4.9	30	23	35	148	45	20	28	42	62	18	387
MIN	3.9	3.7	4.1	4.3	5.3	6.0	5.0	1.9	2.2	2.9	2.6	3.9
CFSM	1.08	1.33	1.35	1.61	4.28	2.14	1.56	1.70	1.78	1.55	1.10	4.82
IN.	1.25	1.49	1.56	1.85	4.62	2.47	1.74	1.96	1.99	1.79	1.26	5.38

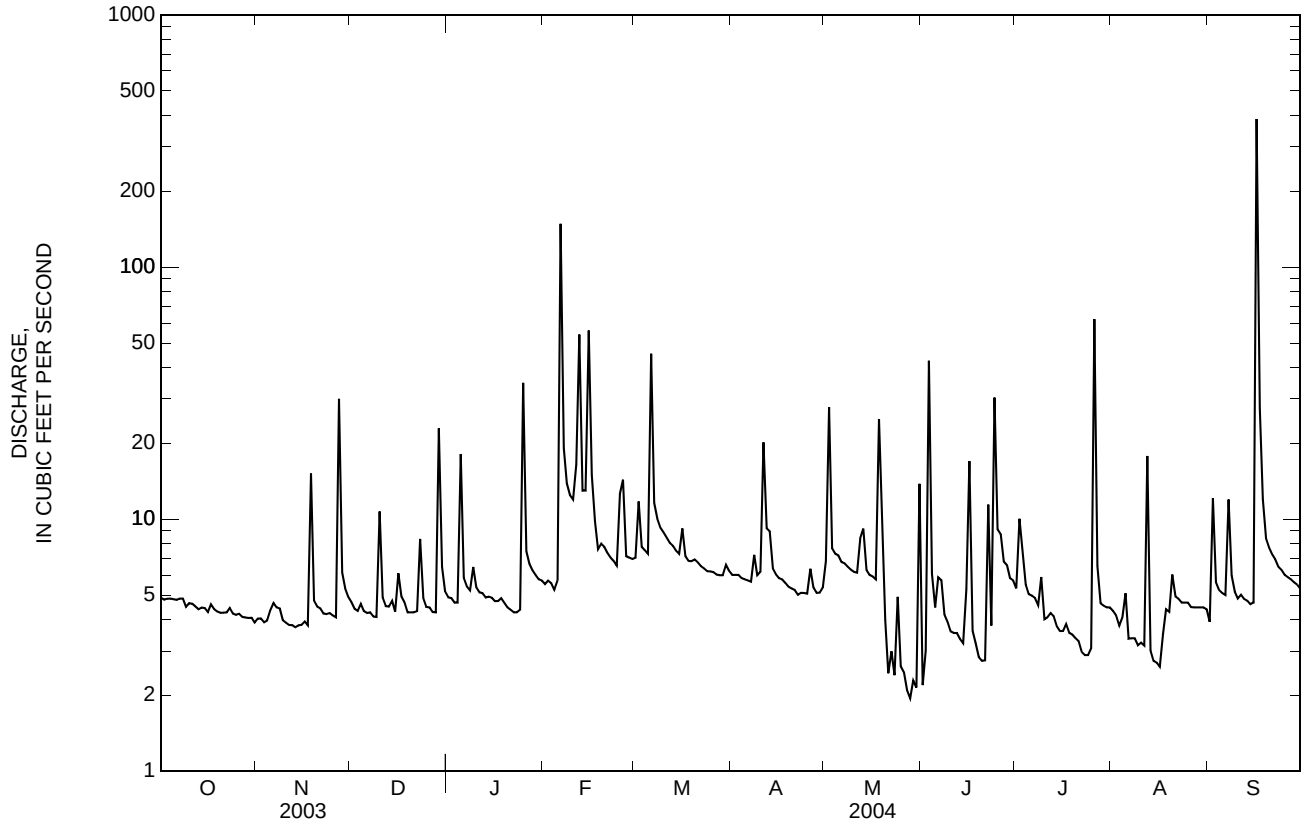
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	4.87	6.33	6.97	8.77	9.92	12.4	12.0	10.8	8.72	8.32	4.51	8.26
MAX	8.56	10.1	13.8	14.7	17.5	17.3	26.9	34.2	17.3	14.9	8.74	19.8
(WY)	(2003)	(2003)	(2003)	(1999)	(2004)	(2000)	(2000)	(2003)	(1999)	(2002)	(2003)	(2004)
MIN	1.95	3.84	2.86	6.38	3.38	8.77	5.22	3.33	3.29	3.39	2.50	1.61
(WY)	(2001)	(2000)	(2001)	(2000)	(2000)	(2004)	(1999)	(2000)	(2000)	(2000)	(2002)	(1999)

02458148 VILLAGE CREEK AT 86TH STREET NORTH AT ROEBUCK, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	4,091.8		3,014.9			
ANNUAL MEAN	11.2		8.24		8.48	
HIGHEST ANNUAL MEAN					12.6	2003
LOWEST ANNUAL MEAN					6.79	2000
HIGHEST DAILY MEAN	163	May 7	387	Sep 16	387	Sep 16, 2004
LOWEST DAILY MEAN	3.7	Nov 13	1.9	May 28	0.96	Nov 1, 2000
ANNUAL SEVEN-DAY MINIMUM	3.8	Nov 11	2.6	May 24	1.0	Oct 28, 2000
MAXIMUM PEAK FLOW			1,330	Sep 16	1,990	May 7, 2003
MAXIMUM PEAK STAGE			10.68	Sep 16	12.56	May 7, 2003
ANNUAL RUNOFF (CFSM)	2.73		2.01		2.07	
ANNUAL RUNOFF (INCHES)	37.13		27.35		28.09	
10 PERCENT EXCEEDS	21		11		14	
50 PERCENT EXCEEDS	6.2		5.0		4.7	
90 PERCENT EXCEEDS	4.3		3.5		2.0	

e Estimated



02458200 VILLAGE CREEK AT APALACHEE STREET IN BIRMINGHAM, AL

LOCATION.--Lat 33° 32'45", long 86° 45'09", in SW $^1/_4$ NW $^1/_4$ NE $^1/_4$ 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 mi^2.

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 NGVD of 1929.

REMARKS.--Estimated daily discharges: Sept. 16, 17. 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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 19, 1970 reached a stage of 20.40 ft, discharge, 4,330 ft^3/s. Flood of Sept. 6, 1977 reached a stage of 19.60 ft, discharge 4,190 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0145	3,630	17.28	Sep 16	----	*4,810	20.12

Minimum discharge, 7.3 ft^3/s, on several days, gage height, 3.49 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	7.8	10	14	13	17	12	36	13	19	11	8.6
2	8.9	7.8	9.7	13	17	62	11	169	14	17	11	24
3	9.0	8.0	10	12	13	21	11	21	161	27	10	21
4	9.1	8.0	16	12	12	18	11	18	42	15	10	10
5	9.1	8.6	10	155	25	17	10	17	17	14	10	9.1
6	9.3	10	9.7	20	862	263	10	16	100	15	11	8.6
7	9.1	8.1	9.3	16	77	31	11	15	59	15	9.8	93
8	8.9	7.9	9.1	16	47	24	40	15	19	13	9.6	17
9	8.6	7.9	9.3	35	39	21	11	15	17	25	18	11
10	10	7.6	97	16	40	18	18	15	15	12	12	10
11	8.9	7.7	13	15	88	17	141	14	14	11	9.7	10
12	8.6	7.9	11	14	186	16	23	89	14	16	179	9.5
13	8.5	7.9	11	13	47	15	41	78	13	13	13	9.7
14	8.7	7.8	15	13	46	14	16	18	14	11	11	11
15	8.5	7.9	11	12	162	14	14	15	59	11	11	27
16	8.3	8.8	30	12	34	26	13	14	145	12	10	e2,210
17	12	8.2	13	13	25	14	13	13	20	13	10	e268
18	8.8	126	11	14	22	13	12	74	15	11	10	64
19	8.6	14	10	11	20	12	12	85	14	11	9.4	30
20	8.4	9.7	10	11	19	13	11	13	13	11	42	20
21	8.0	9.2	9.8	11	18	14	11	18	13	11	13	17
22	8.0	8.7	9.8	10	16	11	11	13	100	10	12	15
23	7.8	8.8	53	10	16	11	11	12	28	10	17	13
24	7.8	11	13	15	16	11	11	13	198	10	10	13
25	7.8	8.9	11	243	50	11	11	12	90	15	11	12
26	7.9	8.6	11	31	95	10	32	11	69	204	28	12
27	7.8	198	10	21	21	10	17	11	51	46	10	11
28	7.9	18	10	17	18	10	16	11	28	14	10	11
29	7.8	12	162	16	17	15	24	12	20	12	9.4	9.9
30	7.8	11	42	15	---	18	66	10	29	24	8.9	9.8
31	7.6	---	16	14	---	15	---	123	---	12	8.8	---
TOTAL	266.8	581.8	672.7	840	2,061	782	651	996	1,404	660	555.6	2,995.2
MEAN	8.61	19.4	21.7	27.1	71.1	25.2	21.7	32.1	46.8	21.3	17.9	99.8
MAX	12	198	162	243	862	263	141	169	198	204	179	2,210
MIN	7.6	7.6	9.1	10	12	10	10	10	13	10	8.8	8.6
CFSM	0.55	1.24	1.39	1.74	4.56	1.62	1.39	2.06	3.00	1.36	1.15	6.40
IN.	0.64	1.39	1.60	2.00	4.91	1.86	1.55	2.38	3.35	1.57	1.32	7.14

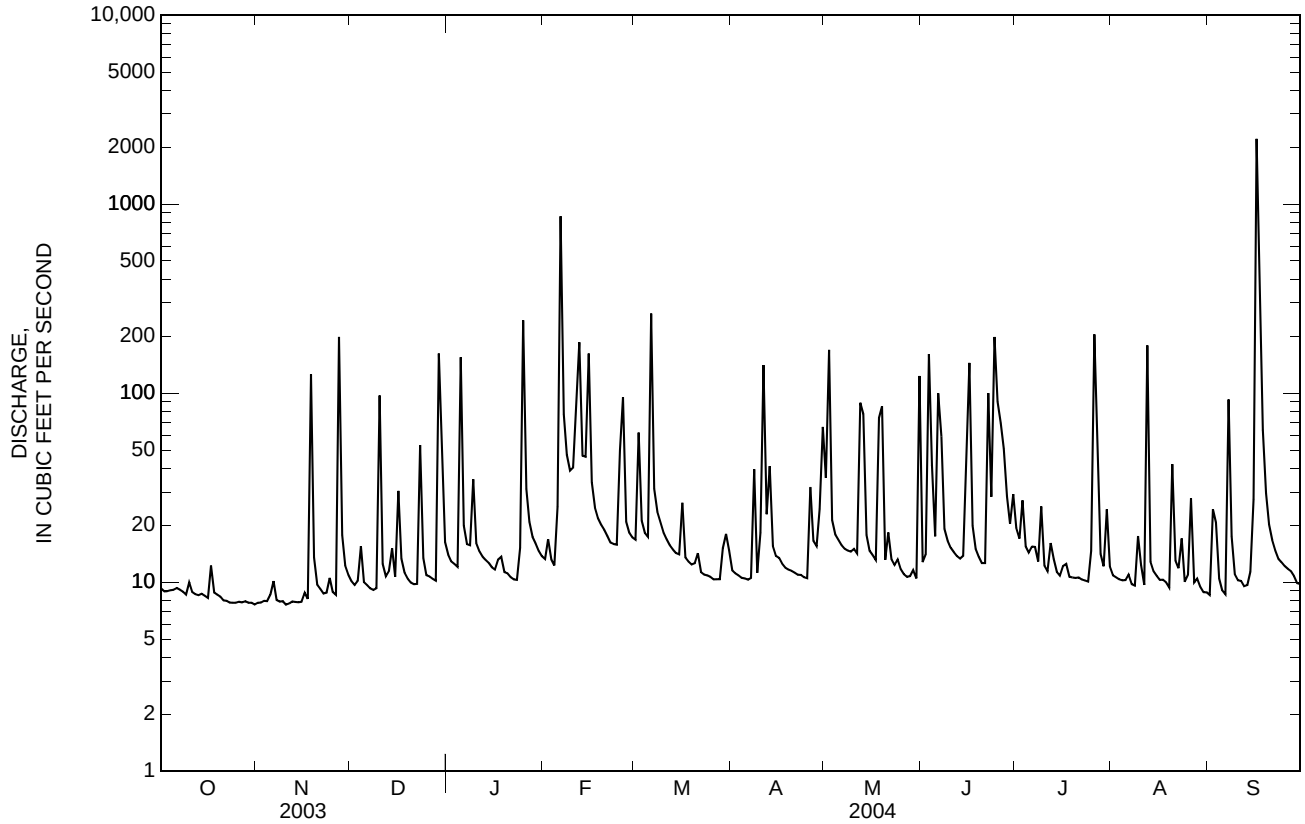
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	18.0	28.9	34.4	41.7	44.6	56.4	46.1	55.8	40.8	33.0	25.7	42.4
MAX	44.7	48.1	68.8	67.2	71.1	87.1	86.3	187	68.0	62.2	64.1	99.8
(WY)	(2003)	(2003)	(2003)	(2002)	(2004)	(2000)	(2000)	(2003)	(1999)	(2002)	(2003)	(2004)
MIN	7.79	18.3	13.5	26.1	19.2	25.2	21.7	12.9	13.7	19.2	8.40	7.40
(WY)	(1999)	(2000)	(2001)	(2003)	(2000)	(2004)	(2004)	(2000)	(2000)	(1999)	(1999)	(1999)

02458200 VILLAGE CREEK AT APALACHEE STREET IN BIRMINGHAM, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	18,139.0		12,466.1			
ANNUAL MEAN	49.7		34.1		38.9	
HIGHEST ANNUAL MEAN					59.1	2003
LOWEST ANNUAL MEAN					30.0	2000
HIGHEST DAILY MEAN	1,390	May 7	2,210	Sep 16	2,210	Sep 16, 2004
LOWEST DAILY MEAN	7.6	Oct 31	7.6	Oct 31	3.5	Sep 22, 2000
ANNUAL SEVEN-DAY MINIMUM	7.8	Oct 27	7.8	Oct 27	4.1	Sep 22, 1999
MAXIMUM PEAK FLOW			4,810	Sep 16	4,950	Mar 10, 2000
MAXIMUM PEAK STAGE			20.12	Sep 16	20.22	May 7, 2003
ANNUAL RUNOFF (CFSM)	3.19		2.18		2.50	
ANNUAL RUNOFF (INCHES)	43.25		29.73		33.92	
10 PERCENT EXCEEDS	120		59		71	
50 PERCENT EXCEEDS	17		13		16	
90 PERCENT EXCEEDS	8.8		8.7		8.4	

e Estimated



02458300 VILLAGE CREEK AT 24TH STREET AT BIRMINGHAM, AL

LOCATION.--Lat 33° 32'33", long 86° 49'03", in NE $^1/_4$ 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 mi^2.

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

REVISED RECORDS.--WDR AL-01-1 : 1996-00 (P).

GAGE.--Water-stage recorder. Datum of gage is 543.38 ft above NGVD of 1929 (published incorrectly 1988 through 2000 water year).

REMARKS.--Estimated daily discharges: Mar 21-29, Apr. 1-6, July 5-22. 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.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0215	5,200	13.05	Sep 16	2045	*5,740	*13.85

Minimum discharge, 10 ft^3/s, July 22, 23, Aug. 19, 20, gage height, 0.17 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	13	16	22	19	27	e22	42	20	30	13	12
2	15	13	15	20	24	86	e19	226	20	23	13	14
3	15	13	15	19	18	37	e17	30	131	30	12	81
4	15	13	28	18	17	31	e17	23	42	22	12	18
5	15	18	15	152	50	29	e16	20	20	e20	12	13
6	15	17	14	32	1,410	384	e14	18	104	e22	12	13
7	16	13	14	25	98	65	15	17	69	e22	11	88
8	15	13	14	24	60	50	72	16	24	e19	11	25
9	14	13	14	55	47	43	19	15	21	e37	15	15
10	18	13	107	25	49	37	30	15	21	e18	18	13
11	15	13	20	22	85	34	184	15	20	e17	11	13
12	14	13	17	21	182	31	37	123	20	e24	266	12
13	14	13	18	20	54	29	67	88	19	e20	16	13
14	14	13	25	19	54	27	28	25	20	e17	14	13
15	14	13	16	18	161	26	24	18	91	e16	13	26
16	14	16	42	17	56	47	22	17	177	e18	12	2,620
17	22	15	22	20	46	25	20	16	30	e18	12	349
18	15	144	17	21	39	24	19	54	23	e16	12	81
19	14	22	16	16	36	23	18	103	20	e15	11	46
20	14	14	15	15	33	22	18	19	18	e14	47	34
21	13	13	15	15	30	e25	17	51	18	e13	16	27
22	13	12	15	14	28	e23	16	21	124	e12	16	24
23	13	12	61	14	26	e23	16	18	36	11	17	21
24	13	16	22	23	25	e23	15	18	264	13	13	20
25	13	12	16	279	67	e21	15	17	96	17	18	18
26	13	12	16	47	125	e21	44	17	81	276	61	17
27	13	237	15	31	36	e24	16	16	62	57	14	16
28	14	31	15	26	31	e24	15	16	41	18	17	15
29	13	20	193	23	28	e31	31	17	29	15	13	15
30	13	17	59	21	---	39	91	16	42	30	12	14
31	13	---	26	20	---	30	---	138	---	16	12	---
TOTAL	447	797	913	1,094	2,934	1,361	954	1,245	1,703	896	752	3,686
MEAN	14.4	26.6	29.5	35.3	101	43.9	31.8	40.2	56.8	28.9	24.3	123
MAX	22	237	193	279	1,410	384	184	226	264	276	266	2,620
MIN	13	12	14	14	17	21	14	15	18	11	11	12
CFSM	0.55	1.02	1.13	1.36	3.89	1.69	1.22	1.54	2.18	1.11	0.93	4.73
IN.	0.64	1.14	1.31	1.57	4.20	1.95	1.36	1.78	2.44	1.28	1.08	5.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	35.4	47.0	48.5	73.9	70.0	84.3	57.5	56.5	47.7	46.6	35.1	46.6
MAX	132	97.3	89.9	137	137	154	150	236	124	81.8	78.8	123
(WY)	(1996)	(1993)	(2003)	(1998)	(1990)	(1996)	(2000)	(2003)	(1999)	(1989)	(2003)	(2004)
MIN	12.7	25.9	23.3	35.2	27.1	42.9	27.2	14.6	13.8	14.5	12.8	10.7
(WY)	(1992)	(1994)	(2001)	(1992)	(2000)	(1992)	(1990)	(1992)	(1988)	(1995)	(1989)	(1999)

02458300 VILLAGE CREEK AT 24TH STREET AT BIRMINGHAM, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	24,440		16,782			
ANNUAL MEAN	67.0		45.9		54.2	
HIGHEST ANNUAL MEAN					79.2	2003
LOWEST ANNUAL MEAN					39.1	1992
HIGHEST DAILY MEAN	1,960	May 7	2,620	Sep 16	2,620	Sep 16, 2004
LOWEST DAILY MEAN	12	Nov 22	11	Jul 23	7.0	Jun 12, 1988
ANNUAL SEVEN-DAY MINIMUM	13	Oct 21	12	Aug 2	8.1	Sep 29, 2000
MAXIMUM PEAK FLOW			5,740	Sep 16	5,950	May 7, 2003
MAXIMUM PEAK STAGE			13.85	Sep 16	14.15	May 7, 2003
ANNUAL RUNOFF (CFSM)	2.58		1.76		2.09	
ANNUAL RUNOFF (INCHES)	34.97		24.01		28.33	
10 PERCENT EXCEEDS	125		75		107	
50 PERCENT EXCEEDS	28		19		24	
90 PERCENT EXCEEDS	14		13		12	

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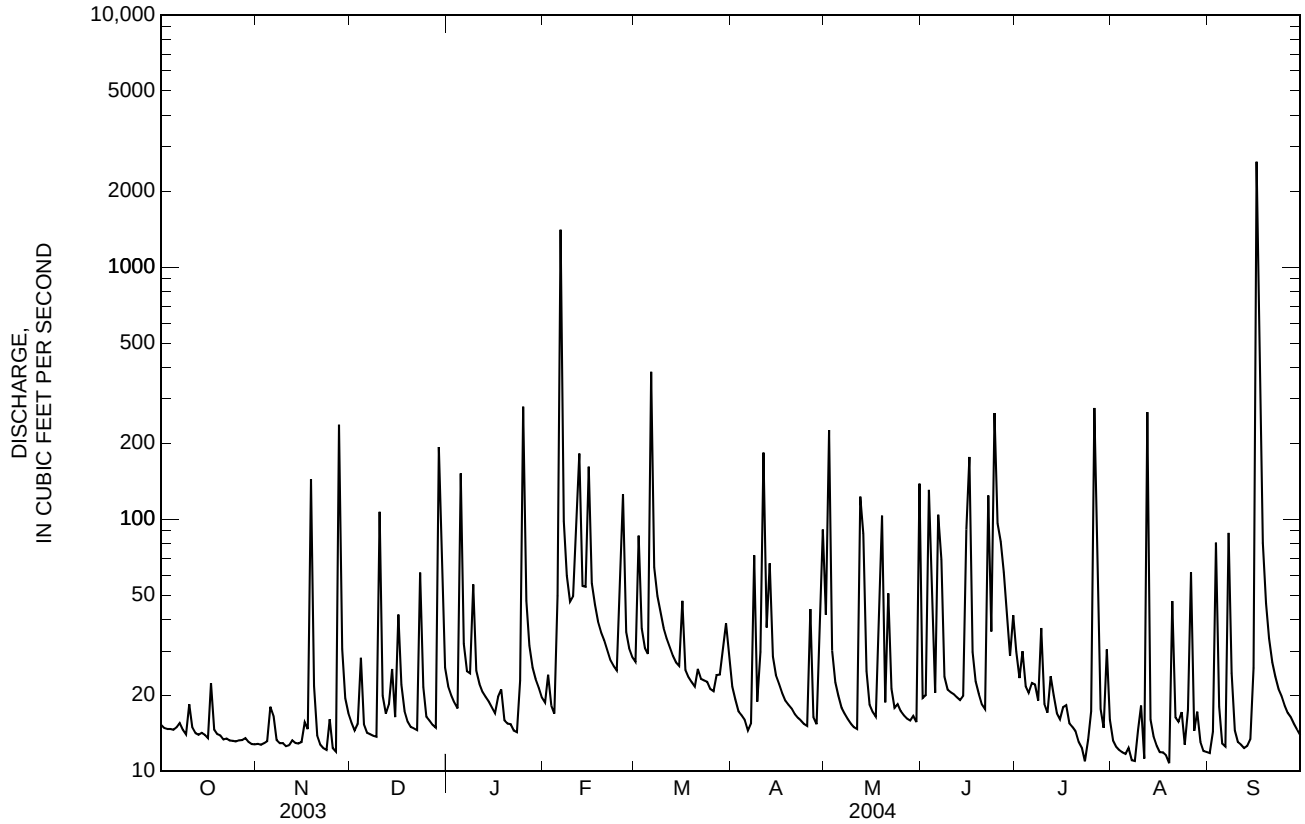


02458450 VILLAGE CREEK AT AVE. W AT ENSLEY, AL

LOCATION.--Lat 33° 31'03", long 86° 52'45", in NW $^1/_4$ 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 mi^2.

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 NGVD of 1929.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0545	*6,510	*14.28	Sep 16	2300	5,790	13.58

Minimum discharge, 12 ft^3/s, Oct. 1, gage height, 2.28 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

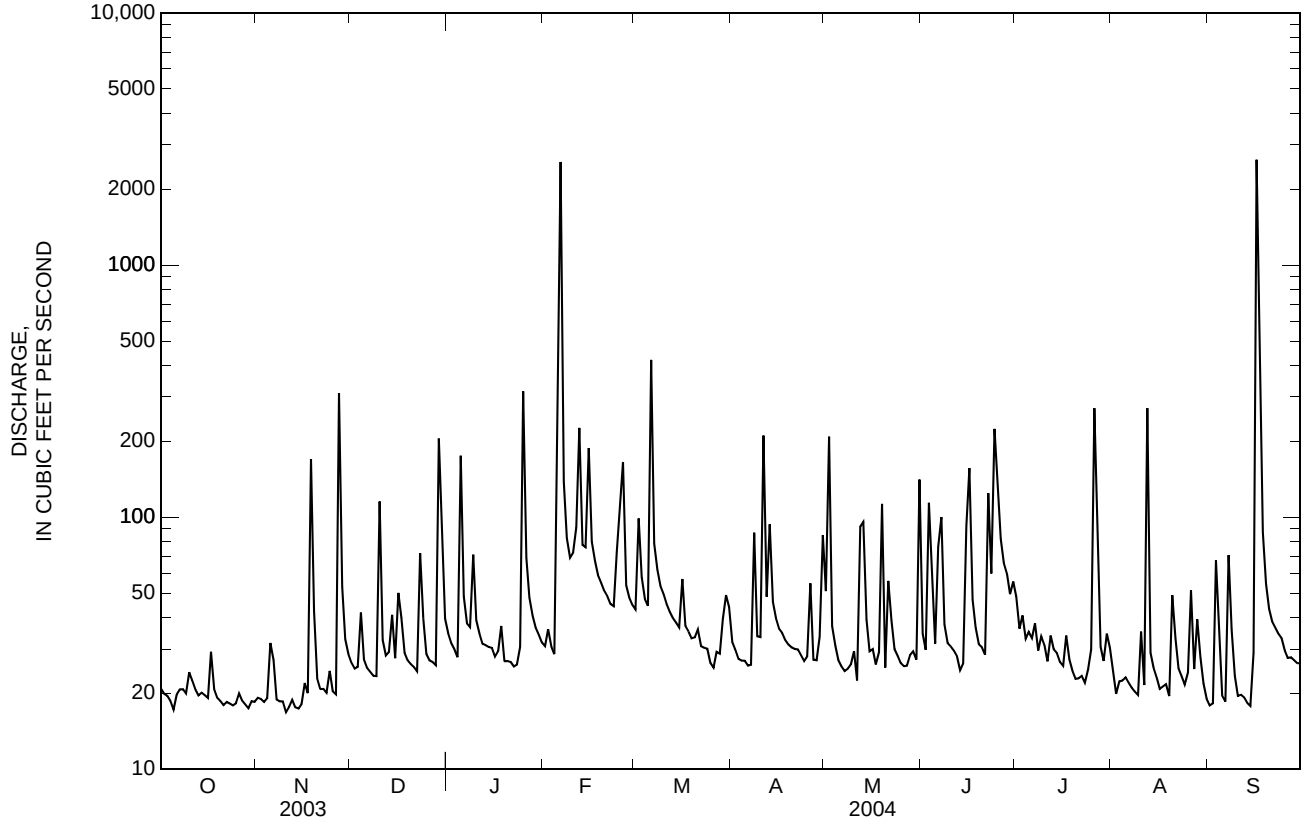
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	19	26	35	31	43	32	51	35	48	25	18
2	20	19	25	32	36	99	30	208	30	36	20	18
3	20	18	25	30	31	58	27	37	114	41	22	67
4	19	19	42	28	29	47	27	31	62	33	22	36
5	17	32	27	175	98	44	27	27	32	35	23	20
6	20	27	25	48	2,570	421	26	26	76	33	22	19
7	21	19	24	38	138	79	26	25	100	38	21	71
8	21	19	24	37	83	62	87	25	38	30	20	36
9	20	19	23	71	69	53	34	26	32	34	20	23
10	24	17	115	39	72	50	33	29	31	31	35	20
11	23	18	33	35	91	45	211	23	30	27	22	20
12	21	19	28	31	226	42	48	92	28	34	271	19
13	20	18	29	31	78	40	94	96	25	30	29	18
14	20	17	41	31	76	38	46	39	26	29	25	18
15	20	18	28	30	188	37	40	29	92	27	23	29
16	19	22	50	28	80	57	36	30	157	26	21	2,620
17	29	20	40	29	67	37	35	26	47	34	21	844
18	21	170	29	37	59	35	33	29	37	27	22	87
19	19	43	27	27	55	33	31	113	31	25	20	54
20	19	23	26	27	51	33	30	25	31	23	49	43
21	18	21	25	27	48	36	30	56	29	23	33	38
22	18	21	24	26	45	31	30	39	124	23	25	36
23	18	20	72	26	44	30	28	30	60	22	23	34
24	18	25	40	31	73	30	27	28	224	25	22	33
25	18	20	29	316	108	26	28	26	127	30	24	30
26	20	20	27	69	166	25	55	26	82	271	51	28
27	19	311	27	48	54	29	27	26	66	93	25	28
28	18	53	26	41	48	29	27	28	60	31	39	27
29	17	33	205	37	45	39	33	29	50	27	28	26
30	19	29	96	34	---	49	85	27	56	35	22	26
31	19	---	40	32	---	44	---	141	---	30	19	---
TOTAL	616	1,129	1,298	1,526	4,759	1,721	1,323	1,443	1,932	1,251	1,044	4,386
MEAN	19.9	37.6	41.9	49.2	164	55.5	44.1	46.5	64.4	40.4	33.7	146
MAX	29	311	205	316	2,570	421	211	208	224	271	271	2,620
MIN	17	17	23	26	29	25	26	23	25	22	19	18
CFSM	0.59	1.12	1.25	1.47	4.90	1.66	1.32	1.39	1.92	1.20	1.01	4.36
IN.	0.68	1.25	1.44	1.69	5.28	1.91	1.47	1.60	2.15	1.39	1.16	4.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	61.8	66.2	67.4	106	98.2	139	97.1	86.9	74.1	73.0	49.6	76.5
MAX	225	152	129	236	207	375	318	291	169	139	99.0	164
(WY)	(1996)	(1993)	(2003)	(1996)	(1990)	(1976)	(1979)	(2003)	(1989)	(1996)	(1992)	(1977)
MIN	19.1	28.7	30.6	45.0	47.3	55.5	29.6	24.4	32.0	22.9	21.5	17.9
(WY)	(1979)	(1979)	(2001)	(1992)	(2000)	(2004)	(1978)	(2000)	(1977)	(1995)	(1999)	(2000)

02458450 VILLAGE CREEK AT AVE. W AT ENSLEY, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	31,380		22,428			
ANNUAL MEAN	86.0		61.3		82.8	
HIGHEST ANNUAL MEAN					127	1996
LOWEST ANNUAL MEAN					56.0	1992
HIGHEST DAILY MEAN	1,590	May 8	2,620	Sep 16	3,400	Apr 13, 1979
LOWEST DAILY MEAN	17	Oct 5	17	Oct 5	9.3	Nov 2, 2000
ANNUAL SEVEN-DAY MINIMUM	18	Nov 9	18	Nov 9	10	Aug 31, 1995
MAXIMUM PEAK FLOW			6,510	Feb 6	6,510	Feb 6, 2004
MAXIMUM PEAK STAGE			14.28	Feb 6	14.28	Feb 6, 2004
ANNUAL RUNOFF (CFSM)	2.57		1.83		2.47	
ANNUAL RUNOFF (INCHES)	34.85		24.91		33.58	
10 PERCENT EXCEEDS	171		88		153	
50 PERCENT EXCEEDS	39		30		39	
90 PERCENT EXCEEDS	20		20		21	



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.

REMARKS.--Maximum and minimum values given in EXTREMES FOR PERIOD OF RECORD and EXTREMES FOR CURRENT YEAR may have been exceeded during periods of missing record.

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, 1.7° C, Jan. 3, 2001.
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, 612 microSiemens/cm, Nov. 4; minimum, 70 microSiemens/cm, Feb. 6.
WATER TEMPERATURE: Maximum, 32.4° C, July 11, 14; minimum, 4.6° C, Jan. 20.
DISSOLVED OXYGEN: Maximum, 19.8 mg/L, May 8; minimum, 2.7 mg/L, Nov. 6.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	432	383	413	450	409	433	445	438	442	458	448	454
2	432	380	411	467	408	437	446	436	440	464	443	455
3	434	377	410	473	395	433	445	435	440	466	445	453
4	427	372	405	612	379	430	450	341	397	468	439	452
5	415	360	394	434	225	397	430	372	400	450	182	277
6	432	388	410	465	309	400	457	430	442	440	299	387
7	440	388	414	460	419	438	460	438	449	456	440	450
8	432	371	405	457	417	430	454	434	442	498	453	457
9	430	364	408	456	421	436	445	427	438	498	294	343
10	436	379	409	441	391	421	434	170	270	450	399	431
11	414	377	403	432	394	420	429	325	384	455	450	453
12	440	398	420	450	404	427	442	429	436	454	445	450
13	429	383	410	455	409	429	456	435	447	515	448	459
14	432	398	415	439	408	422	456	385	395	465	451	457
15	434	397	418	448	413	428	446	402	423	478	445	460
16	439	396	418	534	411	444	447	277	409	468	441	450
17	456	354	402	419	402	412	398	275	335	483	442	452
18	405	377	391	423	151	322	443	398	428	447	403	412
19	428	398	412	385	221	331	457	442	452	438	414	426
20	428	384	412	439	385	425	468	443	454	450	438	445
21	430	387	411	453	438	445	473	449	459	456	442	449
22	427	386	410	459	437	446	458	396	439	464	431	445
23	438	391	418	465	442	451	459	223	384	453	440	446
24	438	387	415	443	401	423	405	257	341	474	378	443
25	434	388	412	427	408	416	447	405	434	378	113	224
26	447	413	432	437	427	434	453	435	444	426	261	368
27	448	401	423	448	114	271	462	430	449	442	426	436
28	429	396	416	407	309	376	465	444	456	462	438	449
29	431	399	419	434	407	425	455	96	371	456	447	450
30	452	409	433	445	434	439	404	129	298	457	446	452
31	458	406	434	---	---	---	449	404	432	451	444	448
MONTH	458	354	413	612	114	415	473	96	414	515	113	427

02458450 VILLAGE CREEK AT AVE. W AT ENSLEY, AL—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	452	444	448	451	438	446	438	389	405	369	161	284
2	486	419	445	473	217	376	449	432	440	369	107	232
3	428	394	410	417	245	351	449	431	440	412	327	383
4	441	428	436	442	417	434	445	423	433	430	406	422
5	451	138	425	449	430	444	444	418	430	427	416	422
6	382	70	215	449	91	269	442	401	420	430	389	414
7	430	367	405	432	389	419	436	413	425	419	365	401
8	454	430	445	443	432	440	497	239	313	424	353	396
9	464	453	458	446	438	442	438	335	391	438	364	408
10	469	410	441	449	413	438	517	409	439	472	298	391
11	459	248	429	450	431	444	418	125	244	417	349	386
12	390	162	264	449	434	442	428	336	393	418	126	373
13	441	390	425	450	431	442	403	235	308	363	126	246
14	447	418	432	445	426	438	430	373	412	389	198	326
15	435	191	299	443	424	435	441	429	433	437	389	421
16	435	356	413	447	298	374	441	428	436	445	351	424
17	446	435	442	437	362	408	440	420	432	446	388	423
18	454	442	450	444	391	426	446	414	433	413	348	398
19	459	447	454	439	405	427	448	418	433	348	104	236
20	458	448	455	547	407	434	438	407	420	427	331	391
21	459	453	457	431	390	408	433	402	418	430	140	387
22	456	448	452	438	413	430	437	401	421	422	196	331
23	462	446	454	446	420	435	443	413	427	428	383	408
24	462	450	457	446	424	436	430	404	417	430	382	410
25	467	253	424	445	428	439	439	413	427	484	378	408
26	397	135	263	447	418	433	562	268	353	417	368	392
27	436	397	428	447	433	440	387	309	353	423	349	387
28	448	436	444	452	435	446	419	384	397	434	343	392
29	458	444	450	572	361	440	458	386	414	435	385	408
30	---	---	---	536	323	359	386	120	303	422	373	402
31	---	---	---	394	337	367	---	---	---	420	141	266
MONTH	486	70	414	572	91	418	562	120	400	484	104	373
		JUNE			JULY			AUGUST			SEPTEMBER	
1	398	306	360	426	315	370	435	362	411	488	434	450
2	424	360	399	438	408	425	428	390	410	492	430	452
3	410	147	279	436	351	391	431	381	410	446	140	336
4	348	149	257	449	393	407	440	400	419	390	140	312
5	416	348	390	449	379	411	430	325	402	440	390	420
6	416	108	388	428	377	404	443	391	412	444	425	436
7	301	108	227	403	288	343	436	390	413	445	189	340
8	405	301	370	418	383	400	431	385	410	382	211	312
9	420	401	411	423	386	405	426	382	403	464	382	410
10	513	399	419	403	347	367	412	278	346	458	416	433
11	420	386	407	415	377	399	415	375	389	437	416	428
12	419	371	398	420	309	381	415	87	257	442	420	432
13	418	395	406	392	357	373	428	363	407	444	408	427
14	418	391	406	405	351	379	435	426	431	439	411	426
15	409	168	267	423	387	404	484	430	442	432	356	406
16	355	91	264	424	381	404	440	401	422	356	74	191
17	406	213	334	464	286	390	435	395	416	364	133	317
18	434	399	412	411	380	401	430	388	412	453	364	418
19	434	411	423	420	384	402	432	383	410	470	453	463
20	432	405	419	419	382	397	432	229	376	492	470	483
21	426	385	404	416	379	398	385	233	325	490	476	484
22	419	123	350	431	391	410	414	382	396	493	472	482
23	377	164	306	430	388	408	418	391	407	482	457	470
24	342	83	261	431	396	413	400	354	381	480	453	461
25	374	99	284	471	343	399	423	390	409	479	449	460
26	376	236	320	388	109	293	390	370	381	468	440	454
27	442	305	354	375	142	305	398	342	365	469	454	461
28	407	308	354	422	375	406	430	272	384	472	447	462
29	438	283	415	429	418	424	422	359	406	470	442	458
30	412	336	388	435	261	406	430	421	425	471	433	450
31	---	---	---	381	261	335	458	419	437	---	---	---
MONTH	513	83	356	471	109	389	484	87	397	493	74	418
YEAR	612	70	403									

02458450 VILLAGE CREEK AT AVE. W AT ENSLEY, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.0	16.8	18.8	21.6	16.5	18.7	13.1	9.0	10.7	12.2	9.0	10.5
2	20.8	15.3	17.5	21.6	16.5	18.6	12.1	8.6	10.2	13.7	10.7	12.4
3	20.7	14.6	17.3	21.1	16.2	18.3	11.7	9.4	10.6	16.2	13.6	14.9
4	22.5	16.6	19.0	21.8	17.7	19.6	11.9	10.9	11.5	17.5	15.3	16.3
5	22.8	17.5	19.9	23.0	19.7	21.2	11.6	9.2	10.6	16.9	11.8	15.1
6	21.1	19.4	20.3	22.7	20.2	21.5	9.2	8.2	8.9	11.8	7.8	10.0
7	22.2	18.9	20.3	21.2	17.5	19.4	11.0	7.0	8.7	8.8	5.9	7.2
8	23.3	18.9	20.7	20.0	15.9	17.4	11.5	7.2	9.2	8.0	6.7	7.5
9	22.1	18.9	20.1	18.5	14.5	16.3	13.6	9.6	11.7	8.6	7.7	8.2
10	21.5	19.7	20.4	18.5	14.7	16.3	13.5	9.6	11.9	9.1	6.8	7.7
11	22.0	19.5	20.6	19.5	15.0	16.9	11.2	8.9	9.7	9.5	5.8	7.4
12	23.0	18.7	20.6	19.6	16.5	17.9	11.2	7.7	9.2	10.8	6.6	8.4
13	23.1	18.8	20.8	18.4	12.4	15.5	9.9	8.7	9.2	12.2	8.6	10.1
14	22.0	18.3	20.5	14.3	10.7	12.3	10.3	8.8	9.8	11.6	10.0	10.8
15	21.1	16.1	18.1	15.9	11.3	13.2	10.9	7.3	9.0	11.8	9.0	10.6
16	20.8	15.1	17.5	16.9	13.5	15.5	13.0	8.8	11.0	11.8	7.6	9.4
17	17.3	15.7	16.5	19.1	16.2	17.5	11.9	8.3	9.9	10.8	9.1	10.0
18	20.2	15.5	17.2	18.6	16.8	17.7	10.7	7.3	8.7	12.1	10.4	11.5
19	20.5	14.7	17.1	17.8	14.3	16.5	10.3	7.3	8.4	10.4	6.0	8.4
20	21.3	15.4	17.9	17.0	12.8	14.6	9.3	6.1	7.4	8.9	4.6	6.5
21	21.8	16.2	18.7	17.2	12.8	14.6	9.6	5.6	7.4	10.0	5.5	7.4
22	22.0	16.9	19.0	17.9	13.5	15.4	11.0	7.4	9.1	10.5	5.9	7.9
23	21.2	16.1	18.3	17.4	14.3	15.9	12.7	9.4	10.9	10.2	6.0	7.9
24	21.9	16.5	18.8	16.6	11.1	14.1	12.0	8.0	10.3	11.3	7.4	9.5
25	21.6	17.3	19.2	13.2	9.2	11.0	9.3	6.6	7.8	14.2	11.1	12.7
26	20.5	18.6	19.4	13.9	9.9	11.9	10.2	6.1	7.8	13.3	12.1	12.8
27	18.6	15.3	17.2	15.5	12.7	14.1	11.0	6.6	8.5	12.1	7.9	10.8
28	17.3	13.5	15.3	15.7	10.8	13.9	11.7	7.3	9.4	9.7	6.6	7.9
29	19.2	13.8	16.1	12.1	9.2	10.3	13.8	10.0	11.7	10.3	6.2	8.1
30	20.2	14.8	17.1	12.4	8.3	10.0	13.0	9.7	11.2	11.8	8.6	9.9
31	21.2	16.2	18.3	---	---	---	11.8	8.4	9.9	10.8	6.7	8.6
MONTH	23.3	13.5	18.7	23.0	8.3	15.9	13.8	5.6	9.7	17.5	4.6	9.9
		FEBRUARY			MARCH			APRIL			MAY	
1	11.4	7.4	9.3	15.9	12.8	14.4	17.3	12.1	14.5	23.1	19.6	21.0
2	9.7	9.2	9.5	15.4	14.9	15.2	19.3	12.3	15.4	20.8	17.4	19.3
3	10.5	7.7	9.4	18.6	14.3	16.4	20.3	13.0	16.2	20.5	16.2	17.7
4	10.9	6.4	8.3	19.5	15.8	17.5	20.0	13.3	16.2	21.9	15.0	18.0
5	14.1	8.5	10.2	18.7	17.0	17.8	20.1	12.3	15.9	24.8	16.6	20.2
6	14.4	11.8	13.2	18.5	15.5	17.1	22.0	14.0	17.5	26.5	18.8	22.0
7	11.8	9.1	10.5	18.0	14.6	16.1	21.8	15.2	18.3	27.1	19.4	22.9
8	11.2	8.1	9.6	16.3	12.3	14.2	20.1	17.2	18.4	28.0	20.0	23.5
9	12.9	9.3	11.1	15.1	12.2	13.5	22.8	16.2	19.0	27.7	20.7	23.8
10	12.5	11.7	12.1	16.0	10.4	12.9	21.9	16.1	18.5	24.6	21.4	22.7
11	11.7	9.8	11.2	16.3	10.9	13.4	18.5	17.3	17.7	28.3	21.0	24.0
12	10.1	8.1	9.2	16.8	11.9	14.1	20.7	17.0	18.4	25.9	21.3	23.5
13	12.0	9.8	10.8	16.8	11.7	14.0	17.6	12.4	14.6	23.9	21.7	22.5
14	12.7	10.8	11.7	17.5	13.2	15.2	18.1	11.4	14.3	26.9	21.6	23.7
15	11.9	9.7	10.4	16.7	14.9	15.8	20.5	13.3	16.4	25.8	22.1	23.5
16	10.9	9.5	10.3	19.4	15.0	16.6	22.3	15.0	18.2	26.1	21.0	23.7
17	11.9	10.2	10.8	18.8	13.2	15.7	23.6	16.7	19.6	27.5	21.7	23.7
18	13.1	8.9	10.8	18.9	13.9	16.0	24.5	17.4	20.4	27.9	21.6	24.1
19	13.8	9.3	11.4	21.5	14.7	17.7	24.5	17.7	20.7	26.7	21.4	23.7
20	13.3	11.3	12.3	22.3	16.0	18.8	22.2	17.9	20.0	29.3	22.7	25.4
21	15.3	11.3	13.0	19.9	13.9	17.5	23.0	17.6	19.9	29.4	23.1	25.8
22	14.8	10.3	12.3	16.7	11.2	13.6	24.5	18.4	21.0	26.9	23.9	25.3
23	12.1	11.5	11.7	17.5	10.2	13.6	25.8	19.4	22.2	28.1	23.2	25.1
24	13.1	11.5	12.3	18.6	12.1	15.2	26.0	20.2	22.7	27.9	23.3	25.1
25	12.2	8.3	11.3	18.9	14.3	15.2	22.0	20.1	21.0	28.8	23.1	25.5
26	8.7	6.0	7.7	23.7	16.2	19.5	22.1	18.8	20.0	29.0	23.3	25.6
27	13.0	8.7	10.4	22.3	16.5	19.3	23.4	16.8	19.5	29.6	22.8	25.7
28	14.4	8.9	11.4	23.8	16.7	20.0	23.7	15.2	19.2	27.1	23.6	25.3
29	15.2	10.7	12.8	21.5	17.4	19.3	22.0	17.0	19.6	27.6	23.3	25.1
30	---	---	---	20.7	16.5	18.4	21.2	19.2	20.2	29.5	23.9	26.3
31	---	---	---	16.5	13.6	14.9	---	---	---	26.1	22.2	23.4
MONTH	15.3	6.0	10.9	23.8	10.2	16.1	26.0	11.4	18.5	29.6	15.0	23.5

02458450 VILLAGE CREEK AT AVE. W AT ENSLEY, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.8	21.2	22.3	26.1	23.7	24.6	31.6	25.3	27.9	27.9	23.8	25.5
2	23.8	20.9	22.4	28.2	23.6	25.3	31.5	25.4	27.9	28.3	23.6	25.5
3	22.8	21.3	22.1	28.7	23.9	25.8	31.9	24.8	27.8	25.9	24.1	24.9
4	26.0	21.7	23.3	30.3	24.4	26.8	32.3	25.2	28.3	27.3	23.9	25.0
5	25.9	21.5	23.4	31.0	24.2	27.0	29.9	25.9	27.7	28.9	22.9	25.4
6	26.9	21.3	23.9	31.0	25.5	27.6	30.3	24.1	26.6	27.2	23.0	24.9
7	24.1	22.5	23.1	30.9	24.5	27.0	28.4	22.4	25.1	24.3	23.0	23.4
8	27.7	22.1	24.5	31.0	24.1	26.9	29.8	22.7	25.6	26.9	22.7	24.3
9	29.1	23.4	25.8	30.7	24.2	27.2	27.7	23.1	25.3	28.4	22.3	24.7
10	27.6	23.8	25.6	32.0	25.5	28.2	27.3	24.2	25.5	27.7	22.2	24.7
11	30.4	23.8	26.6	32.4	25.3	28.4	30.5	23.5	26.3	27.9	22.8	24.9
12	31.0	24.7	27.5	31.7	25.7	27.8	26.3	22.2	23.4	27.9	23.4	25.1
13	27.1	24.4	25.8	31.9	25.4	28.2	26.2	20.9	23.1	27.8	23.2	25.0
14	26.9	23.5	24.9	32.4	25.8	28.7	26.6	20.0	22.8	27.5	22.2	24.4
15	25.8	23.8	24.6	31.5	25.9	28.3	27.0	20.2	23.2	23.8	22.4	23.1
16	28.5	24.6	26.1	29.8	24.7	26.8	26.5	20.9	23.6	22.8	22.6	22.7
17	28.7	24.4	26.4	28.1	24.6	26.0	27.7	21.9	24.5	23.7	22.0	22.8
18	30.4	25.3	27.3	30.9	24.8	27.2	29.1	21.9	25.1	24.0	21.6	22.6
19	31.6	25.4	27.9	30.8	24.0	26.9	29.8	22.9	25.8	23.5	20.0	21.6
20	30.9	24.9	27.3	30.4	23.6	26.6	28.8	23.8	25.8	22.9	19.3	20.9
21	30.7	24.7	27.1	31.0	23.8	27.0	25.9	24.2	24.9	23.7	19.2	21.0
22	30.4	24.9	26.4	31.1	24.6	27.5	27.0	23.9	25.3	24.6	20.1	21.9
23	26.0	24.4	25.1	32.0	25.2	28.1	28.1	23.9	25.6	25.0	20.3	22.2
24	25.4	23.8	24.7	31.7	25.7	28.3	27.1	23.7	25.0	25.8	20.7	22.8
25	25.0	23.5	24.1	30.5	26.0	27.8	26.8	23.8	25.1	25.6	21.7	23.3
26	24.6	23.0	23.8	29.5	24.9	26.4	28.5	23.9	25.2	25.5	21.4	23.1
27	25.0	23.3	24.1	27.2	24.9	25.7	29.4	25.8	27.7	24.9	21.2	22.8
28	24.2	22.7	23.5	29.8	23.7	26.2	28.7	24.4	25.9	25.2	20.9	22.7
29	27.5	22.8	24.7	29.6	23.7	26.4	29.6	24.5	26.4	25.5	20.7	22.6
30	27.3	23.5	25.0	30.6	24.9	27.2	28.5	23.9	25.8	24.4	19.1	21.3
31	---	---	---	29.5	26.1	27.3	28.8	23.1	25.3	---	---	---
MONTH	31.6	20.9	25.0	32.4	23.6	27.1	32.3	20.0	25.6	28.9	19.1	23.5
YEAR	32.4	4.6	18.7									

02458450 VILLAGE CREEK AT AVE. W AT ENSLEY, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.1	8.5	12.0	16.2	5.9	9.5	12.7	10.3	11.1	10.4	4.7	7.3
2	18.4	8.7	12.2	15.9	5.3	9.2	13.6	10.4	11.4	9.0	4.8	6.4
3	18.3	8.8	12.4	15.9	5.2	9.1	13.2	9.9	11.1	9.9	4.4	6.1
4	18.6	8.4	12.3	15.9	4.8	9.2	10.1	9.1	9.5	10.1	3.9	5.8
5	18.0	7.5	11.6	14.4	3.8	7.7	11.3	9.1	10.1	5.7	4.1	5.0
6	15.7	7.2	10.4	8.5	2.7	4.7	12.4	10.1	11.1	13.1	5.5	8.9
7	17.6	6.3	10.6	12.0	3.2	6.7	14.0	10.6	11.8	14.1	10.7	12.2
8	18.5	6.3	11.6	13.4	5.7	8.6	14.2	10.3	11.8	13.2	10.7	11.7
9	17.3	6.3	9.1	14.7	5.7	8.9	14.0	9.4	11.2	11.5	10.3	10.9
10	15.2	6.4	9.2	16.3	5.9	9.7	9.6	8.7	9.3	14.1	10.3	11.8
11	16.0	6.0	9.6	16.7	6.3	9.8	12.9	9.6	10.9	14.4	10.8	12.1
12	15.9	5.6	9.6	15.0	5.3	8.7	14.0	10.3	11.8	14.9	10.3	12.0
13	16.0	5.9	9.6	16.0	5.0	9.4	12.0	9.4	10.8	14.8	9.3	11.3
14	12.7	6.0	8.7	16.8	7.9	11.1	10.8	9.1	9.8	12.7	8.1	10.1
15	14.5	6.8	9.7	16.6	7.7	10.8	14.2	5.7	10.2	15.4	8.0	11.2
16	14.6	7.2	10	13.4	5.2	8.5	10.6	4.5	6.7	15.8	9.2	11.7
17	9.2	6.8	7.9	15.0	5.0	8.8	8.2	4.2	5.7	13.5	8.3	10.3
18	13.0	6.7	9.0	9.9	5.2	7.1	9.7	4.5	6.4	11.5	7.5	8.9
19	13.7	7.3	9.5	9.0	6.9	7.6	10.2	4.6	6.6	16.5	8.3	12.0
20	14.2	7.2	9.6	9.6	7.2	8.0	11.2	2.9	6.4	16.4	10.7	12.9
21	13.8	6.8	9.3	10.4	7.2	8.3	11.6	3.6	7.0	16.4	10.0	12.5
22	---	---	---	11.1	6.9	8.4	13.2	5.1	7.9	16.5	9.4	12.2
23	---	---	---	10.6	6.6	8.0	10.1	3.7	5.8	16.1	9.4	12.1
24	---	---	---	11.6	6.7	8.6	8.9	3.6	5.5	15.3	8.4	11.2
25	---	---	---	13.5	8.2	10.0	11.0	3.9	6.7	9.4	7.8	8.6
26	---	---	---	13.7	8.2	10.1	11.6	4.5	7.2	10.9	8.3	9.1
27	---	---	---	9.4	7.4	8.4	12.2	4.5	7.5	12.7	8.5	10.2
28	---	---	---	10.0	7.8	8.9	13.5	4.6	7.8	14.1	9.4	11.4
29	15.6	7.8	10.5	12.1	9.3	10.6	9.3	3.1	5.8	14.2	10.1	11.7
30	15.4	6.8	9.7	12.4	10.3	11.1	7.5	5.5	6.3	14.4	9.2	11.2
31	16.0	6.2	9.6	---	---	---	10.1	5.9	7.4	14.9	9.7	11.6
MONTH	18.6	5.6	10.2	16.8	2.7	8.8	14.2	2.9	8.7	16.5	3.9	10.3
		FEBRUARY			MARCH			APRIL			MAY	
1	15.3	9.4	11.7	13.4	8.4	10.4	---	---	---	7.5	6.3	7.0
2	12.4	8.7	10.2	11.2	7.8	8.9	---	---	---	8.8	6.4	8.2
3	14.9	8.5	11.2	12.6	7.2	9.6	---	---	---	11.7	8.3	9.6
4	15.9	9.9	12.0	14.1	6.6	9.6	11.1	3.7	7.5	12.6	7.7	9.8
5	11.0	9.0	9.9	13.9	6.2	9.1	12.7	4.3	7.2	15.8	7.2	10.4
6	10.0	9.4	9.7	9.5	7.1	8.7	11.4	6.0	7.3	16.0	6.9	10.4
7	10.7	9.6	10.1	10.7	8.4	9.5	---	---	---	18.9	5.8	10.8
8	11.5	9.9	11.0	12.2	8.9	10.4	---	---	---	19.8	5.1	11.1
9	10.8	9.3	10.2	12.7	9.4	10.8	---	---	---	18.3	4.6	10.6
10	9.5	8.5	9.0	13.8	9.2	11.2	---	---	---	13.9	4.9	8.9
11	10.3	8.7	9.4	14.6	8.9	11.2	---	---	---	17.1	5.0	10.4
12	11.4	9.1	10.3	15.5	8.7	11.5	---	---	---	16.0	4.8	9.6
13	10.9	9.0	9.9	16.3	8.6	11.8	10.0	9.1	9.7	6.6	5.1	5.8
14	10.2	9.1	9.5	16.6	8.1	11.4	12.5	9.1	10.7	8.6	5.4	6.5
15	10.7	9.2	10.0	15.6	7.6	10.8	13.2	8.3	10.2	10.5	5.0	7.3
16	11.2	10.3	10.6	13.5	7.4	9.6	14.4	8.0	10.4	10.8	5.4	7.7
17	11.6	10.1	10.7	17.3	7.3	11.2	15.7	7.5	10.6	14.4	4.8	8.3
18	12.4	10.2	11.2	17.9	7.2	11.5	16.2	6.6	10.4	15.4	4.7	9.2
19	12.7	10.0	11.0	15.1	6.8	8.9	16.8	6.7	10.7	7.3	5.8	6.6
20	11.9	9.2	10.4	12.8	5.9	7.8	15.4	6.9	10.7	10.4	5.1	7.5
21	13.6	8.8	10.8	11.0	4.7	7.1	15.6	6.8	10.2	12.0	4.9	7.7
22	14.9	9.1	11.5	10.1	7.1	8.0	16.4	6.3	10.3	8.6	2.9	5.8
23	12.7	9.0	10.4	---	---	---	16.1	5.5	9.6	12.3	4.2	7.0
24	14.2	8.6	10.8	---	---	---	15.0	5.4	9.4	14.2	4.3	8.1
25	10.6	8.3	9.4	---	---	---	12.3	5.7	8.3	15.1	4.8	9.2
26	12.0	10.5	11.1	14.4	5.4	9.1	10.7	6.4	7.7	16.9	4.6	9.8
27	12.6	9.9	10.9	13.0	5.8	8.8	14.3	6.1	9.7	18.3	4.8	10.1
28	13.2	9.4	10.9	13.3	5.7	8.9	16.0	6.7	10.5	14.7	4.6	8.9
29	13.9	6.2	10.7	12.2	5.5	8.2	15.5	6.2	9.8	14.7	4.0	8.6
30	---	---	---	---	---	---	9.3	5.3	7.3	16.1	4.0	9.1
31	---	---	---	---	---	---	---	---	---	7.3	4.2	6.3
MONTH	15.9	6.2	10.5	17.9	4.7	9.8	16.8	3.7	9.4	19.8	2.9	8.6

02458450 VILLAGE CREEK AT AVE. W AT ENSLEY, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.1	6.2	8.1	11.0	5.3	7.4	12.3	5.0	7.8	11.5	4.7	7.2
2	11.2	6.5	8.6	13.4	5.6	8.8	11.7	4.5	7.6	11.0	4.6	7.1
3	8.9	6.3	7.2	14.1	5.2	8.8	11.4	4.8	7.7	8.1	4.7	5.8
4	7.9	6.8	7.3	15.5	4.8	9.4	---	---	---	8.5	4.4	5.9
5	11.2	6.8	8.6	18.5	4.8	9.7	---	---	---	9.9	4.6	6.6
6	13.1	6.6	9.1	18.2	4.5	9.6	---	---	---	10.9	4.8	7.1
7	7.9	6.7	7.3	16.0	4.3	8.3	---	---	---	7.0	5.0	5.9
8	10.7	6.7	8.3	18.0	4.2	9.3	---	---	---	9.4	5.5	6.8
9	12.7	6.3	8.8	16.9	4.2	9.2	---	---	---	11.8	5.3	7.6
10	12.0	5.9	8.4	15.4	3.8	8.2	---	---	---	12.5	5.4	8.0
11	14.2	5.7	9.2	16.1	3.8	8.6	---	---	---	13.6	5.0	8.1
12	14.4	5.1	9.0	15.1	4.3	7.8	7.4	6.7	7.1	13.3	4.6	8.1
13	9.8	4.8	7.0	13.3	4.4	8.0	9.4	6.7	7.8	13.9	4.7	8.2
14	13.4	5.1	8.3	14.2	4.5	7.9	10.8	6.8	8.3	13.8	5.2	8.5
15	7.4	5.5	6.3	15.2	3.9	8.4	12.1	6.6	8.8	11.5	5.2	7.6
16	10.2	5.3	6.7	15.1	4.5	8.2	13.6	6.5	9.6	8.3	6.0	7.2
17	8.1	5.5	6.7	12.9	4.4	7.7	15.4	6.3	10	7.4	5.9	7.0
18	9.2	4.5	6.5	14.7	4.7	8.7	15.4	6.0	9.7	7.5	6.0	6.9
19	10.8	4.3	7.0	14.4	4.7	8.7	16.0	5.4	9.6	8.2	6.0	7.2
20	12.4	4.3	7.6	14.2	5.2	9.2	14.7	5.1	8.1	8.6	6.5	7.4
21	14.2	3.8	8.4	14.9	5.5	9.4	9.1	4.0	5.9	9.1	6.3	7.2
22	14.1	4.6	7.8	14.8	5.3	9.3	11.0	4.8	7.2	---	---	---
23	7.3	5.6	6.2	14.8	5.2	9.2	12.0	4.8	7.7	---	---	---
24	7.8	5.4	6.4	14.7	5.0	9.0	11.6	5.4	7.8	---	---	---
25	7.3	6.2	6.8	13.2	4.3	7.6	11.0	5.3	7.4	---	---	---
26	7.2	6.1	6.5	11.1	4.3	7.2	12.0	4.9	7.2	---	---	---
27	7.3	5.7	6.4	8.3	6.2	7.1	10.5	4.7	7.9	12.3	5.7	9.7
28	7.4	5.8	6.6	10.5	6.5	8.2	10.8	3.6	6.2	12.7	5.4	8.1
29	9.1	5.7	7.1	12.0	6.7	8.8	9.6	3.6	6.0	12.6	4.7	7.7
30	10.7	5.4	7.2	13.6	5.3	9.1	10.9	4.1	6.6	12.2	5.8	8.3
31	---	---	---	11.4	4.9	7.1	12.0	4.7	7.3	---	---	---
MONTH	14.4	3.8	7.5	18.5	3.8	8.5	16.0	3.6	7.8	13.9	4.4	7.4
YEAR	19.8	2.7	9.0									

02458502 VILLAGE CREEK NEAR PRATT CITY, AL

LOCATION.--Lat 33° 31'59", long 86° 53'59", in SW $^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 500 ft above NGVD of 1929 from topographic map.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0530	*6,610	*17.88	Sep 16	2130	5,740	17.13

Minimum discharge, 17 ft^3/s, Oct. 29, Nov. 13, minimum gage height, 1.10 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

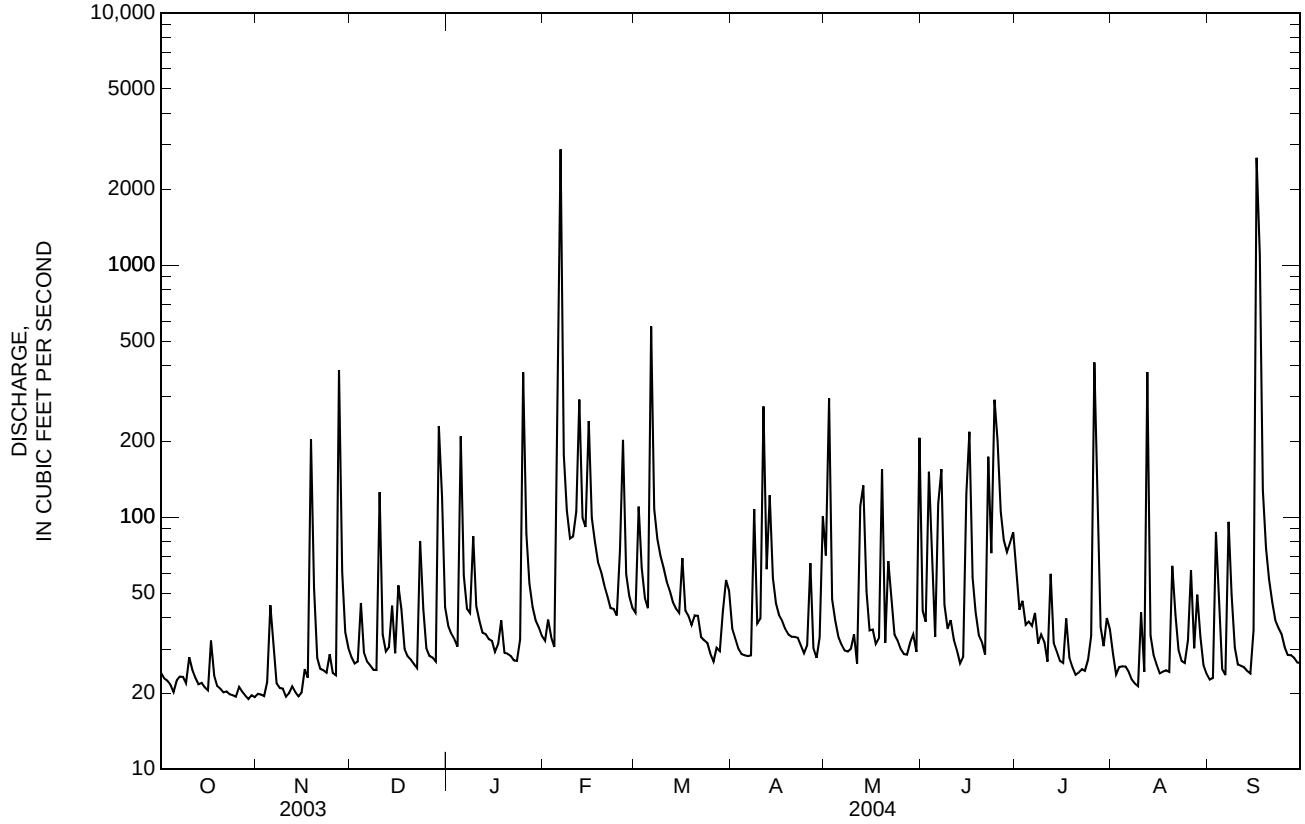
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	20	28	37	32	42	36	71	43	62	29	23
2	23	20	26	35	39	110	33	296	39	43	24	23
3	22	20	27	33	33	63	30	47	151	47	25	87
4	22	22	46	31	31	48	29	39	85	37	26	50
5	20	45	29	209	155	44	28	34	34	39	26	25
6	23	31	27	59	2,880	571	28	31	113	37	24	24
7	23	22	26	43	177	108	28	30	155	42	23	96
8	23	21	25	42	106	82	108	29	45	32	22	49
9	22	21	25	84	82	70	38	30	36	34	21	30
10	28	19	126	44	84	63	40	34	39	32	42	26
11	25	20	34	39	105	56	275	26	33	27	24	26
12	23	21	29	35	293	51	62	111	30	60	376	25
13	22	20	31	34	100	46	122	134	26	32	34	25
14	22	19	45	33	91	43	57	51	28	29	28	24
15	21	20	29	32	241	42	46	36	124	27	26	36
16	21	25	54	29	99	69	41	36	218	26	24	2,660
17	32	23	43	31	79	43	39	31	58	40	24	1,100
18	24	204	30	39	66	41	36	33	42	28	25	128
19	21	52	28	29	61	37	34	155	34	25	24	75
20	21	28	27	29	54	41	34	32	32	24	64	57
21	20	25	26	28	49	41	34	67	29	24	41	46
22	20	25	25	27	44	34	33	48	174	25	30	39
23	20	24	80	27	43	33	31	34	72	25	27	36
24	20	29	43	33	41	32	29	32	292	27	26	34
25	19	24	30	375	74	29	31	30	202	34	32	30
26	21	24	28	86	203	27	66	29	105	411	62	28
27	20	383	28	55	59	30	30	29	81	143	30	28
28	20	61	27	44	49	29	28	32	73	37	49	28
29	19	35	230	39	44	42	33	34	79	31	33	27
30	20	30	121	37	---	56	101	29	87	40	26	26
31	19	---	44	34	---	51	---	206	---	36	24	---
TOTAL	680	1,333	1,417	1,732	5,414	2,074	1,560	1,856	2,559	1,556	1,291	4,911
MEAN	21.9	44.4	45.7	55.9	187	66.9	52.0	59.9	85.3	50.2	41.6	164
MAX	32	383	230	375	2,880	571	275	296	292	411	376	2,660
MIN	19	19	25	27	31	27	28	26	26	24	21	23
CFSM	0.60	1.21	1.25	1.52	5.09	1.82	1.42	1.63	2.32	1.37	1.13	4.46
IN.	0.69	1.35	1.44	1.76	5.49	2.10	1.58	1.88	2.59	1.58	1.31	4.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	50.2	68.7	82.8	123	125	148	121	108	95.6	72.2	52.1	69.5
MAX	110	108	158	219	193	250	226	365	168	106	93.6	164
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(2000)	(2000)	(2003)	(1999)	(2002)	(2003)	(2004)
MIN	21.9	44.4	32.6	55.9	54.2	66.9	52.0	30.6	42.7	43.5	25.4	19.6
(WY)	(2004)	(2004)	(2001)	(2004)	(2000)	(2004)	(2004)	(2000)	(2000)	(2001)	(1999)	(2000)

02458502 VILLAGE CREEK NEAR PRATT CITY, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	38,181		26,383			
ANNUAL MEAN	105		72.1		93.0	
HIGHEST ANNUAL MEAN					127	2003
LOWEST ANNUAL MEAN					72.1	2004
HIGHEST DAILY MEAN	1,730	May 8	2,880	Feb 6	2,880	Feb 6, 2004
LOWEST DAILY MEAN	19	Oct 25	19	Oct 25	11	Sep 24, 1999
ANNUAL SEVEN-DAY MINIMUM	20	Oct 25	20	Oct 25	14	Oct 27, 2000
MAXIMUM PEAK FLOW			6,610	Feb 6	6,610	Feb 6, 2004
MAXIMUM PEAK STAGE			17.88	Feb 6	17.88	Feb 6, 2004
ANNUAL RUNOFF (CFSM)	2.85		1.96		2.53	
ANNUAL RUNOFF (INCHES)	38.70		26.74		34.42	
10 PERCENT EXCEEDS	204		109		174	
50 PERCENT EXCEEDS	46		33		43	
90 PERCENT EXCEEDS	22		23		21	



02458600 VILLAGE CREEK NEAR DOCENA, AL

LOCATION.--Lat 33°32'53", long 86°55'33", in N $^1/_2$ 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 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 510 ft above NGVD of 1929 from topographic map.

REMARKS.--Estimated discharges: Jan. 30 - Feb. 3. 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.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0600	*7,110	*13.54	Sep 17	0030	5,630	11.65

Minimum discharge, 24 ft^3/s, Apr. 29, gage height, 1.19 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	71	61	103	e94	121	95	131	123	150	82	74
2	70	68	48	77	e99	210	83	388	107	107	73	71
3	57	69	42	79	e85	182	76	130	259	109	77	136
4	48	76	85	69	73	139	69	102	198	80	81	156
5	46	106	71	345	195	124	71	85	118	73	81	70
6	52	124	62	186	4,380	990	67	78	147	79	77	65
7	57	82	60	131	474	307	70	73	310	103	67	161
8	58	66	59	94	322	243	195	64	127	56	64	144
9	56	58	50	180	227	207	98	61	112	53	64	94
10	73	58	221	120	216	160	83	71	115	58	98	83
11	65	59	107	101	213	153	392	58	112	47	73	76
12	61	62	84	95	528	144	123	86	102	108	502	72
13	62	64	68	92	266	127	231	262	91	93	107	76
14	69	56	105	86	234	117	132	132	89	57	84	76
15	66	51	78	86	448	117	89	79	228	51	72	85
16	58	61	94	74	278	172	68	80	301	52	69	2,210
17	79	66	126	69	224	123	56	73	175	71	66	2,220
18	70	249	87	94	190	112	48	88	123	63	68	320
19	59	178	82	76	175	105	45	246	113	51	82	195
20	60	78	73	67	154	100	43	72	109	50	124	158
21	63	64	64	65	130	118	39	102	97	59	129	146
22	64	59	64	67	125	94	37	137	249	51	81	112
23	67	52	129	63	133	86	35	100	215	49	72	104
24	70	66	130	65	113	79	31	94	306	46	81	104
25	65	56	83	515	133	81	33	101	383	54	79	91
26	72	53	73	252	374	68	79	101	207	400	109	88
27	79	496	71	167	173	91	44	94	164	374	103	90
28	72	180	65	119	131	90	31	94	155	104	104	79
29	71	98	216	104	127	97	33	98	130	83	104	79
30	69	67	320	e102	---	129	92	82	213	88	80	86
31	70	---	142	e97	---	119	---	308	---	104	77	---
TOTAL	2,019	2,893	3,020	3,840	10,314	5,005	2,588	3,670	5,178	2,923	3,030	7,521
MEAN	65.1	96.4	97.4	124	356	161	86.3	118	173	94.3	97.7	251
MAX	91	496	320	515	4,380	990	392	388	383	400	502	2,220
MIN	46	51	42	63	73	68	31	58	89	46	64	65
CFSM	1.25	1.85	1.87	2.37	6.81	3.09	1.65	2.27	3.31	1.81	1.87	4.80
IN.	1.44	2.06	2.15	2.74	7.35	3.57	1.84	2.62	3.69	2.08	2.16	5.36

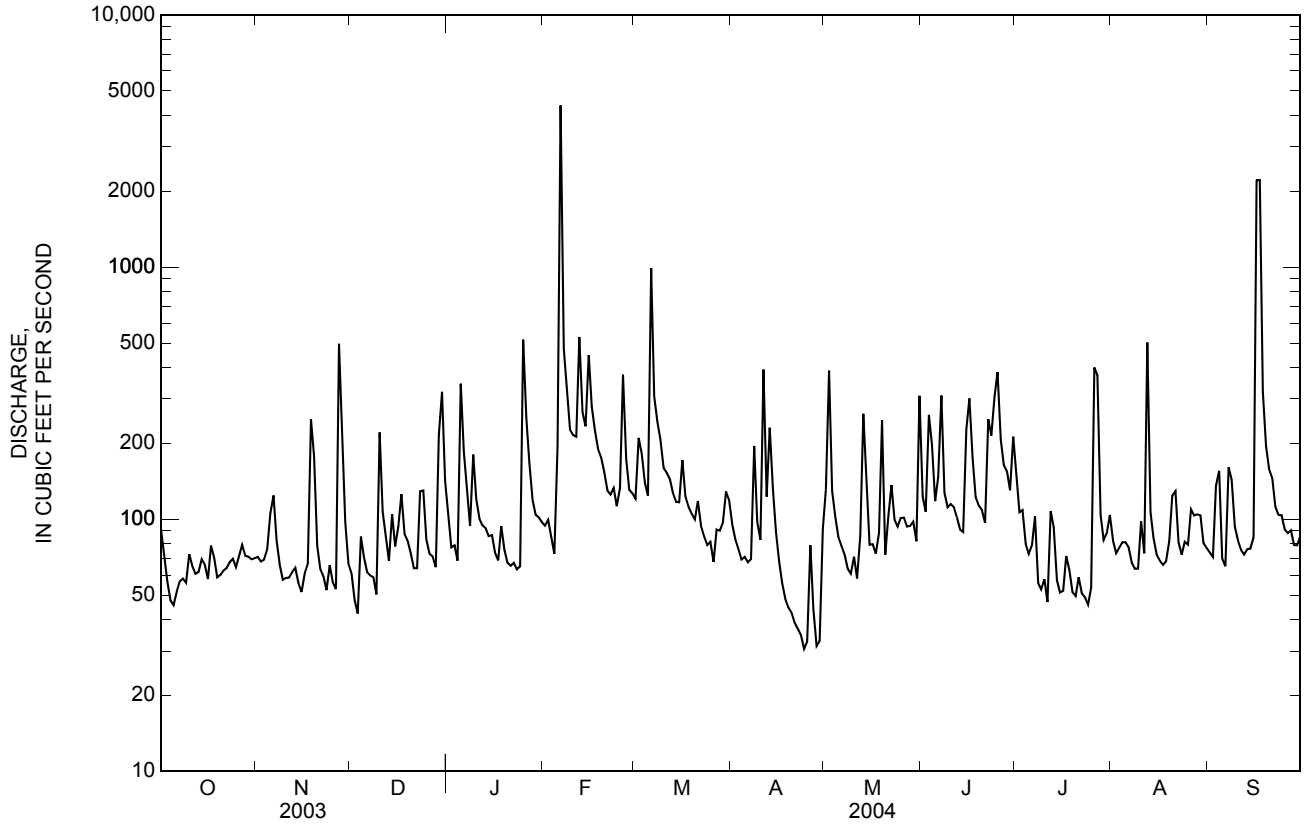
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	104	132	158	218	224	248	197	185	163	141	114	138
MAX	188	222	296	364	356	379	376	574	247	181	173	261
(WY)	(2003)	(2003)	(2003)	(1998)	(2004)	(2000)	(2000)	(2003)	(1999)	(1996)	(2003)	(2001)
MIN	65.1	96.4	94.2	124	105	161	86.3	97.5	103	94.3	79.4	77.6
(WY)	(2004)	(2004)	(2001)	(2004)	(2000)	(2004)	(2004)	(2000)	(1998)	(2004)	(1999)	(1999)

02458600 VILLAGE CREEK NEAR DOCENA, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	70,709		52,001			
ANNUAL MEAN	194		142		168	
HIGHEST ANNUAL MEAN					231	2003
LOWEST ANNUAL MEAN					142	2004
HIGHEST DAILY MEAN	2,500	May 8	4,380	Feb 6	4,380	Feb 6, 2004
LOWEST DAILY MEAN	42	Dec 3	31	Apr 24	31	Apr 24, 2004
ANNUAL SEVEN-DAY MINIMUM	53	Oct 3	38	Apr 19	38	Apr 19, 2004
MAXIMUM PEAK FLOW			7,110	Feb 6	7,110	Feb 6, 2004
MAXIMUM PEAK STAGE			13.54	Feb 6	13.54	Feb 6, 2004
ANNUAL RUNOFF (CFSM)	3.71		2.72		3.22	
ANNUAL RUNOFF (INCHES)	50.39		37.06		43.75	
10 PERCENT EXCEEDS	378		229		296	
50 PERCENT EXCEEDS	113		88		102	
90 PERCENT EXCEEDS	61		57		74	

e Estimated



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.

REMARKS.--Maximum and minimum values given in EXTREMES FOR PERIOD OF RECORD and EXTREMES FOR CURRENT YEAR may have been exceeded during periods of missing record.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 637 microSiemens, June 18, 1998; minimum, 58 microSiemens, May 10, 1998.
WATER TEMPERATURE: Maximum, 30.9°C, July 20, 2000; minimum, 6.4°C, Dec. 14, 1997.
DISSOLVED OXYGEN: Maximum, 14.0 mg/L, Mar. 19, 2004; minimum, 1.1 mg/L, June 20, 2004.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 500 microSiemens/cm, Sept. 22, 23; minimum, 66 microSiemens/cm, Feb. 6.
WATER TEMPERATURE: Maximum, 29.4°C, July 14; minimum, 7.6°C, Feb. 26.
DISSOLVED OXYGEN: Maximum, 14.0 mg/L, Mar. 19; minimum, 1.1 mg/L, June 20.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	489	475	480	484	472	477	459	455	457	461	438	454
2	482	472	477	484	475	479	466	458	461	460	455	457
3	487	467	478	483	466	472	472	462	466	466	455	462
4	482	471	478	483	462	471	468	419	446	468	463	466
5	481	471	476	478	253	435	448	427	439	465	233	321
6	475	461	469	468	277	409	459	448	453	423	323	385
7	485	465	476	476	465	470	459	456	458	444	423	438
8	484	474	479	480	463	469	456	451	453	451	441	447
9	485	464	476	485	468	476	461	449	455	445	374	395
10	479	443	466	477	468	474	458	248	338	438	390	423
11	466	456	463	488	457	469	428	368	396	452	438	447
12	472	457	467	483	469	476	450	426	439	450	447	449
13	470	460	466	482	470	475	456	446	451	463	447	456
14	479	456	469	481	466	473	451	417	429	466	457	462
15	486	474	480	480	467	472	439	425	431	483	458	469
16	490	476	483	478	467	472	452	378	443	474	467	471
17	487	447	474	467	443	456	415	343	382	469	463	466
18	466	441	455	461	186	382	456	414	435	466	432	448
19	477	464	468	405	231	352	470	456	462	448	443	445
20	477	470	474	458	401	429	471	464	468	470	446	459
21	490	468	478	482	456	468	469	461	466	470	462	466
22	489	476	483	485	473	477	467	457	463	469	463	466
23	491	476	484	485	477	481	463	311	428	467	460	463
24	490	478	485	482	456	470	412	309	372	470	459	464
25	490	478	483	473	456	462	444	412	432	459	159	296
26	483	473	477	476	467	470	445	441	443	405	282	357
27	478	471	473	476	145	313	453	441	448	433	405	424
28	---	---	---	398	293	361	461	453	458	453	433	443
29	---	---	---	442	398	422	460	134	418	452	442	446
30	483	467	475	455	442	449	411	134	313	451	442	447
31	485	475	479	---	---	---	438	411	425	452	446	450
MONTH	491	441	475	488	145	449	472	134	433	483	159	437

02458600 VILLAGE CREEK NEAR DOCENA, AL—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	453	449	451	459	452	454	459	417	444	398	191	315
2	453	422	445	460	310	422	475	458	470	398	145	275
3	441	433	437	422	312	380	484	475	479	413	330	380
4	454	432	445	449	422	442	483	479	481	447	413	433
5	455	84	431	457	449	453	487	468	478	452	437	446
6	338	66	166	454	134	275	494	468	481	456	447	452
7	406	338	376	405	355	387	487	479	483	453	446	450
8	413	401	407	421	405	414	486	329	384	452	441	447
9	443	410	429	437	421	432	448	352	412	458	435	448
10	447	429	440	450	433	441	474	448	463	457	425	445
11	449	358	432	450	435	447	472	181	300	450	406	430
12	360	220	290	456	444	450	423	349	393	452	228	438
13	409	360	392	456	448	452	423	294	356	377	177	296
14	415	409	412	455	451	454	433	386	418	413	264	351
15	412	240	324	452	449	450	450	433	442	449	411	431
16	403	333	376	450	397	419	455	447	452	452	423	444
17	419	403	413	445	397	427	455	444	452	463	445	453
18	432	418	427	458	445	453	456	450	454	463	434	451
19	439	430	435	459	445	453	458	446	451	437	189	308
20	443	436	440	461	451	457	458	451	455	441	393	412
21	447	440	444	461	359	432	461	454	457	465	240	445
22	450	447	448	455	440	447	459	452	455	426	229	354
23	469	444	454	463	450	458	461	450	456	448	421	439
24	481	468	474	470	462	466	459	453	456	461	443	451
25	476	427	461	479	465	472	456	450	453	463	440	450
26	430	196	304	492	477	485	450	367	407	466	446	456
27	433	389	422	487	480	483	435	379	408	463	445	454
28	448	433	442	485	481	482	449	433	440	450	431	443
29	454	447	451	489	456	475	456	444	450	457	434	447
30	---	---	---	462	406	429	454	258	403	465	451	457
31	---	---	---	442	409	426	---	---	---	451	188	314
MONTH	481	66	409	492	134	439	494	181	438	466	145	413
		JUNE			JULY			AUGUST			SEPTEMBER	
1	418	335	383	429	331	401	438	402	422	479	460	465
2	441	408	430	455	429	448	437	426	434	485	468	474
3	444	185	335	454	439	445	438	421	430	481	274	424
4	390	249	318	454	439	449	438	423	432	415	229	327
5	441	389	419	459	438	452	435	423	430	456	415	439
6	448	189	417	461	432	449	433	417	427	458	452	456
7	350	175	271	436	408	417	433	420	427	458	278	411
8	426	350	393	457	426	442	430	421	426	404	283	349
9	452	426	441	465	443	456	429	414	422	444	404	430
10	468	368	444	450	435	444	418	354	404	462	444	456
11	454	407	449	455	439	449	455	403	434	463	456	460
12	455	442	449	465	207	408	454	109	291	466	459	463
13	452	437	446	443	280	413	443	366	410	465	458	462
14	452	439	446	443	437	440	470	443	457	464	456	459
15	442	277	346	---	---	---	472	467	470	463	453	460
16	403	148	318	---	---	---	473	461	468	457	96	260
17	412	232	345	---	---	---	467	451	460	391	105	279
18	438	412	426	---	---	---	469	457	463	443	391	417
19	458	434	450	453	440	446	471	460	467	476	442	464
20	462	451	457	453	435	444	460	300	439	490	470	479
21	458	445	453	459	446	452	426	297	359	493	472	482
22	456	198	407	468	452	458	442	424	431	500	478	493
23	385	198	316	465	457	460	449	435	442	500	489	496
24	385	175	329	462	453	457	450	434	442	495	474	488
25	377	149	289	458	402	448	455	361	436	491	478	485
26	403	338	379	431	132	358	452	238	424	488	475	483
27	406	358	393	378	147	304	429	238	353	483	472	477
28	417	371	391	435	378	411	451	306	416	482	470	478
29	450	370	434	451	434	442	446	319	409	484	471	478
30	423	235	373	450	437	446	456	446	452	479	470	474
31	---	---	---	437	371	392	468	452	458	---	---	---
MONTH	468	148	392	468	132	431	473	109	427	500	96	442
YEAR	500	66	432									

02458600 VILLAGE CREEK NEAR DOCENA, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.7	20.2	21.5	21.9	19.9	20.9	15.0	13.0	14.1	14.0	11.4	12.9
2	21.7	19.1	20.4	21.7	19.8	20.8	14.4	12.7	13.5	15.4	13.5	14.2
3	20.6	18.6	19.8	21.3	19.5	20.6	14.5	13.3	13.8	17.1	15.4	16.3
4	22.1	19.8	21.0	22.8	20.3	21.5	15.2	14.1	14.6	18.0	17.0	17.4
5	22.7	20.8	21.8	23.6	22.0	22.7	15.3	14.0	14.6	17.9	13.7	16.0
6	22.7	22.0	22.3	23.5	22.4	22.8	14.0	12.7	13.3	13.7	12.1	12.9
7	23.0	21.6	22.3	22.4	20.8	21.4	13.8	12.3	13.1	12.1	10.2	11.2
8	23.0	21.6	22.4	20.8	19.6	20.0	14.6	12.4	13.6	11.3	10.1	10.6
9	22.8	21.6	22.3	19.6	18.3	19.0	16.2	14.3	15.2	11.8	10.1	11.1
10	22.8	22.1	22.4	19.8	18.6	19.2	16.6	13.7	14.7	11.7	10.7	11.2
11	22.6	22.0	22.3	20.5	18.7	19.5	14.5	13.2	13.8	12.0	10.0	11.0
12	22.7	21.2	22.1	21.1	19.7	20.4	14.8	12.7	13.7	13.1	10.5	11.7
13	23.5	21.6	22.5	21.1	17.0	19.0	14.5	13.5	13.8	14.2	12.0	13.0
14	23.2	21.4	22.5	17.0	15.8	16.4	14.5	13.1	13.6	14.4	13.0	13.6
15	21.4	19.4	20.4	17.6	15.6	16.6	14.4	12.5	13.5	14.1	12.8	13.6
16	20.8	18.8	19.9	19.3	17.3	18.1	16.1	14.1	15.0	13.6	11.6	12.6
17	20.4	18.2	19.2	20.6	18.8	19.7	14.3	13.3	13.8	13.8	12.6	13.1
18	20.0	18.3	19.2	20.3	18.6	19.6	13.6	12.5	13.0	14.1	13.3	13.7
19	20.5	18.4	19.6	19.3	17.6	18.7	13.0	11.8	12.4	13.7	11.0	12.1
20	21.3	18.9	20.2	18.7	16.2	17.3	12.4	10.9	11.6	11.8	9.6	10.7
21	22.0	19.6	20.8	18.3	16.3	17.4	12.2	10.4	11.4	11.9	10.1	11.0
22	21.9	20.2	21.3	18.8	17.0	17.9	14.0	12.0	12.8	12.6	10.5	11.6
23	21.5	19.7	20.9	19.3	17.5	18.3	14.3	13.1	13.7	12.2	10.8	11.7
24	21.8	19.8	21.0	19.3	15.3	17.3	13.4	12.4	13.0	14.2	11.4	12.6
25	22.1	20.8	21.5	15.3	13.9	14.7	12.4	11.0	11.6	14.3	12.7	13.5
26	21.9	21.4	21.6	16.6	14.3	15.3	12.4	10.5	11.5	14.4	13.5	14.0
27	21.4	19.6	20.5	16.7	14.0	15.8	12.8	11.0	12.0	14.1	11.6	13.1
28	---	---	---	16.9	14.6	16.2	13.9	11.5	12.6	11.7	9.8	10.9
29	---	---	---	14.6	13.3	13.9	14.9	13.5	13.9	12.5	9.2	11.1
30	20.7	20.2	20.4	14.4	12.4	13.5	13.9	12.1	13.1	13.2	11.9	12.5
31	21.3	19.4	20.5	---	---	---	13.8	11.8	12.9	12.6	10.6	11.7
MONTH	23.5	18.2	21.1	23.6	12.4	18.5	16.6	10.4	13.3	18.0	9.2	12.7
		FEBRUARY			MARCH			APRIL			MAY	
1	13.2	11.0	12.1	16.3	14.3	15.3	17.2	14.6	15.9	22.2	20.1	21.1
2	12.8	11.6	12.3	16.1	15.5	15.9	18.3	15.0	16.8	21.7	18.7	19.9
3	12.5	11.6	12.1	18.0	15.4	16.7	18.6	15.5	17.2	19.7	17.5	18.6
4	12.6	10.5	11.5	18.8	16.4	17.6	18.5	15.7	17.3	21.0	16.7	18.8
5	14.0	12.0	12.7	18.5	17.3	17.9	18.6	15.2	17.1	22.6	18.2	20.3
6	13.9	12.6	13.3	18.5	15.9	17.0	20.5	16.3	18.2	23.7	19.8	21.8
7	12.6	11.2	11.8	17.3	15.0	16.1	20.4	17.2	18.8	24.3	20.5	22.5
8	12.5	10.7	11.6	16.2	13.8	15.0	20.1	17.8	19.1	24.5	21.2	23.0
9	13.7	11.3	12.4	15.8	14.0	14.7	21.0	17.5	19.3	24.6	21.7	23.4
10	13.7	13.2	13.4	15.9	12.6	14.2	20.1	17.7	19.0	24.1	22.3	23.2
11	13.4	11.2	12.9	16.5	13.0	14.7	20.0	17.6	18.2	24.6	21.6	23.2
12	11.7	9.3	10.7	16.9	13.9	15.4	19.9	17.8	18.6	24.3	22.5	23.5
13	13.2	11.5	12.3	16.7	13.6	15.2	18.8	14.7	16.1	23.1	22.2	22.6
14	13.7	12.3	12.9	17.7	15.0	16.4	17.9	13.9	15.8	24.6	22.1	23.3
15	13.3	10.9	11.8	17.5	16.3	16.9	19.3	14.8	17.1	24.3	22.4	23.4
16	12.5	11.2	11.8	18.8	16.2	17.5	20.5	16.3	18.4	24.6	22.6	23.6
17	13.1	12.0	12.5	18.5	15.4	16.9	21.6	17.6	19.5	24.6	22.6	23.6
18	13.8	11.2	12.5	18.6	15.9	17.2	21.9	18.4	20.2	25.1	22.5	23.8
19	14.4	11.5	13.0	20.2	16.5	18.3	22.0	18.7	20.5	25.2	21.9	23.5
20	14.5	13.0	13.7	21.1	17.5	19.3	21.1	18.9	20.2	26.3	22.9	24.5
21	15.2	13.1	14.2	20.0	16.8	18.6	21.5	19.1	20.2	26.7	23.6	25.1
22	14.9	12.3	13.7	16.8	14.4	15.8	22.3	19.8	21.1	26.5	23.9	25.1
23	14.3	13.1	13.7	17.4	13.8	15.7	23.4	20.6	22.1	26.0	23.4	24.8
24	14.5	13.6	13.9	18.5	15.1	16.9	23.6	20.9	22.4	25.6	23.8	24.8
25	14.1	12.2	13.3	20.1	16.6	18.2	22.7	21.0	21.4	26.4	23.8	25.0
26	12.2	7.6	9.9	21.1	17.5	19.3	21.0	19.6	20.4	26.1	24.0	25.2
27	13.4	11.6	12.4	20.6	18.0	19.5	21.2	18.4	19.9	26.4	24.0	25.3
28	14.7	11.0	12.8	21.4	18.0	19.9	21.3	18.0	19.7	25.9	24.4	25.1
29	15.3	12.6	14.0	20.6	18.6	19.7	21.2	18.9	20.2	25.9	24.1	24.9
30	---	---	---	20.4	18.0	19.1	21.2	19.6	20.5	26.7	24.6	25.7
31	---	---	---	18.1	15.4	16.5	---	---	---	26.6	22.8	23.9
MONTH	15.3	7.6	12.6	21.4	12.6	17.0	23.6	13.9	19.0	26.7	16.7	23.3

02458600 VILLAGE CREEK NEAR DOCENA, AL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.3	21.8	22.5	25.2	23.9	24.5	28.9	25.6	27.2	26.6	25.4	26.1
2	23.5	22.3	22.9	26.3	23.8	25.0	28.6	26.3	27.6	26.7	25.1	26.1
3	23.0	21.4	22.5	27.2	24.0	25.5	28.6	25.7	27.3	26.5	25.0	25.5
4	24.8	22.2	23.3	28.0	24.6	26.2	29.1	26.0	27.7	25.9	24.6	25.3
5	24.7	22.0	23.4	28.1	24.6	26.4	28.6	26.6	27.8	26.9	24.4	25.7
6	25.3	22.1	23.6	28.2	25.6	26.9	27.9	25.5	26.7	26.7	25.0	25.9
7	24.2	22.7	23.3	27.9	24.9	26.4	26.8	24.2	25.6	26.0	23.8	24.6
8	26.1	22.3	24.0	28.1	24.9	26.5	26.7	24.2	25.7	26.4	23.7	24.9
9	26.8	23.4	25.2	28.5	25.2	26.9	26.6	24.6	25.8	26.7	24.0	25.4
10	26.4	24.1	25.3	29.0	25.6	27.4	27.1	25.3	26.2	26.8	24.2	25.6
11	27.5	24.1	25.8	28.9	25.9	27.5	27.6	24.7	26.2	26.4	24.6	25.7
12	28.2	25.1	26.6	28.3	26.1	27.1	27.3	22.5	24.1	26.3	24.9	25.6
13	27.6	24.9	25.8	29.0	25.4	27.1	25.1	22.4	23.8	26.3	24.9	25.7
14	25.4	24.1	24.8	29.4	26.6	28.4	24.9	22.1	23.7	26.0	24.4	25.3
15	25.3	24.0	24.6	---	---	---	25.2	22.4	23.9	25.8	24.3	24.7
16	27.0	24.5	25.5	---	---	---	25.8	22.9	24.4	24.5	22.9	23.4
17	27.5	24.5	25.9	---	---	---	26.3	23.9	25.2	24.2	22.6	23.3
18	28.3	24.8	26.4	---	---	---	27.0	23.9	25.5	24.3	22.6	23.4
19	28.1	25.2	26.7	27.8	25.4	27.1	26.9	24.6	25.9	24.0	21.4	22.7
20	27.6	25.2	26.5	27.5	24.9	26.4	26.9	25.0	25.9	23.3	21.4	22.3
21	27.7	25.2	26.5	28.0	25.1	26.7	25.7	24.9	25.3	23.6	21.1	22.3
22	27.3	25.1	25.9	28.4	25.6	27.0	26.3	24.9	25.6	24.2	21.3	22.7
23	25.4	24.4	24.9	28.9	26.2	27.7	27.0	25.1	26.1	24.6	21.7	23.1
24	25.3	24.2	24.7	29.0	26.6	28.0	26.4	24.7	25.6	25.0	22.2	23.6
25	24.8	23.8	24.2	28.5	26.9	27.8	26.7	25.4	26.1	25.0	22.8	24.0
26	24.4	23.5	23.9	27.8	25.0	26.6	27.4	25.4	26.2	24.8	22.9	24.0
27	24.9	23.6	24.0	26.8	24.9	25.6	28.1	25.6	26.8	24.7	22.9	23.8
28	24.1	23.1	23.6	27.9	24.1	25.8	27.8	25.9	26.7	24.3	22.6	23.6
29	25.9	23.0	24.3	27.8	24.5	26.1	27.6	25.2	26.3	24.4	22.5	23.6
30	25.6	23.7	24.5	27.6	25.5	26.6	27.4	25.5	26.4	23.8	21.4	22.7
31	---	---	---	27.4	26.2	26.9	26.6	24.8	25.8	---	---	---
MONTH	28.3	21.4	24.7	29.4	23.8	26.7	29.1	22.1	25.9	26.9	21.1	24.4
YEAR	29.4	7.6	19.9									

02458600 VILLAGE CREEK NEAR DOCENA, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.7	7.4	8.8	10.1	7.2	8.5	9.6	8.6	9.0	---	---	---
2	11.0	6.9	8.9	9.9	7.2	8.4	11.0	8.6	9.5	---	---	---
3	10.8	8.1	9.1	10.0	7.1	8.3	10.6	9.2	9.8	---	---	---
4	10.9	7.3	8.9	9.4	7.0	8.0	9.5	8.7	9.1	---	---	---
5	10.9	7.0	8.7	7.5	2.8	5.6	9.5	8.5	9.0	---	---	---
6	8.8	6.6	7.8	6.5	4.5	5.6	10.3	9.2	9.6	---	---	---
7	9.4	6.5	7.9	7.7	5.0	6.6	10.9	9.6	10.1	---	---	---
8	9.3	6.4	7.9	9.0	6.5	7.9	11.0	9.4	10.0	---	---	---
9	9.3	6.7	8.0	9.7	7.0	8.5	10.9	9.0	9.8	---	---	---
10	8.3	6.6	7.5	9.7	7.0	8.5	9.0	8.2	8.7	---	---	---
11	8.6	6.5	7.5	9.9	7.8	8.7	9.9	8.7	9.3	---	---	---
12	8.8	6.8	7.8	9.5	7.4	8.3	10.5	9.1	9.6	---	---	---
13	9.5	6.7	8.1	9.9	7.2	8.6	9.7	9.0	9.3	---	---	---
14	8.5	6.5	7.6	10.9	8.4	9.5	9.1	8.6	8.9	---	---	---
15	9.3	7.0	8.1	10.9	8.8	9.7	10.3	8.8	9.4	10.7	9.4	10.1
16	9.7	7.4	8.5	9.9	8.1	8.9	10.1	8.4	9.2	11.2	9.0	9.9
17	8.5	7.3	7.7	9.2	6.3	7.8	9.3	8.0	8.6	10.5	8.8	9.5
18	9.0	6.9	7.9	8.6	6.8	7.5	10.9	8.3	9.5	9.7	8.0	8.8
19	9.5	7.3	8.4	7.7	5.4	7.2	11.4	9.5	10.3	11.7	7.8	9.6
20	9.6	7.3	8.4	8.2	7.4	7.8	12.2	9.9	10.9	12.0	9.5	10.5
21	9.5	7.2	8.3	8.3	7.3	7.7	12.8	10.5	11.5	12.2	9.6	10.7
22	9.4	6.9	8.1	8.6	7.4	7.9	13.3	10.3	11.6	12.4	9.2	10.5
23	9.6	6.9	8.3	8.3	7.2	7.7	12.2	9.5	10.7	12.8	9.3	10.6
24	9.8	7.0	8.2	9.0	6.8	7.9	11.5	9.1	10.2	12.6	9.0	10.3
25	9.8	6.9	8.3	9.9	8.0	8.8	13.4	10.5	11.8	9.2	8.2	8.6
26	8.6	6.6	7.7	10.1	8.1	8.9	13.9	11.2	12.3	9.4	8.4	8.8
27	8.9	6.7	7.7	8.9	7.7	8.2	12.5	11.3	11.7	10.0	8.4	9.2
28	---	---	---	8.4	7.6	8.0	---	---	---	10.6	9.5	10.1
29	---	---	---	9.2	8.3	8.8	---	---	---	10.1	9.4	9.8
30	10.6	8.1	9.5	9.6	8.7	9.1	---	---	---	10.0	8.8	9.4
31	10.1	7.4	8.6	---	---	---	---	---	---	10.4	9.0	9.6
MONTH	11.0	6.4	8.2	10.9	2.8	8.1	13.9	8.0	10.0	12.8	7.8	9.8
		FEBRUARY			MARCH			APRIL			MAY	
1	10.7	9.0	9.7	10.3	8.7	9.4	8.9	6.5	7.7	7.3	6.2	6.7
2	9.7	8.7	9.1	9.8	8.0	8.7	9.2	6.5	7.8	8.1	6.7	7.6
3	10.4	8.7	9.5	10.4	8.3	9.2	9.2	6.3	7.8	9.3	7.6	8.5
4	11.1	9.1	10.0	11.0	8.1	9.3	9.6	6.9	8.3	9.4	8.4	8.8
5	9.8	8.9	9.2	10.1	7.9	8.8	10.6	7.5	8.9	9.3	7.9	8.5
6	9.8	8.8	9.2	9.3	8.2	8.8	10.1	7.0	8.4	9.4	7.1	8.3
7	9.6	9.0	9.4	9.6	8.6	9.1	10.2	6.4	8.3	9.7	7.1	8.4
8	10.0	9.3	9.7	10.2	8.8	9.5	7.7	6.0	6.8	10.1	6.9	8.5
9	9.6	8.7	9.3	10.1	9.0	9.5	8.2	4.8	6.7	10.3	6.8	8.5
10	9.0	8.4	8.7	10.6	9.0	9.7	8.5	5.8	7.1	10.4	6.5	8.2
11	9.5	8.6	8.9	10.6	9.0	9.7	7.6	6.5	7.3	10.2	6.4	8.3
12	10.5	9.4	9.9	10.9	8.5	9.5	8.3	7.1	7.6	10.3	5.7	7.9
13	9.6	8.9	9.3	11.9	8.4	9.9	8.7	7.5	8.0	6.9	5.2	6.1
14	9.2	8.6	8.9	12.4	8.4	10.0	9.7	8.6	9.1	6.8	6.1	6.4
15	9.8	8.6	9.3	11.7	8.0	9.6	9.5	8.5	8.9	7.6	6.0	6.8
16	9.7	9.2	9.5	11.1	8.1	9.2	9.4	8.0	8.6	8.0	6.2	7.0
17	9.6	8.9	9.2	13.3	7.8	10.1	9.6	7.5	8.5	8.7	6.3	7.3
18	9.9	8.8	9.4	13.3	7.8	10.2	9.6	7.6	8.6	9.5	5.6	7.6
19	9.6	8.5	9.2	14.0	7.7	10.4	10.0	7.4	8.6	7.6	5.8	6.6
20	8.9	6.8	8.4	13.7	7.3	10.0	10.1	7.2	8.7	6.6	5.2	6.1
21	8.5	5.8	7.2	11.5	6.2	8.7	10.1	7.4	8.7	7.5	5.0	6.3
22	9.0	7.1	8.0	12.4	7.7	9.9	10.3	7.3	8.7	6.5	4.4	5.5
23	10.1	7.3	8.7	13.1	8.6	10.5	10.1	7.0	8.4	7.8	5.1	6.3
24	10.3	9.0	9.6	12.7	8.4	10.2	10.0	6.6	8.3	7.7	5.5	6.6
25	9.6	8.6	9.1	11.6	7.9	9.4	8.8	6.6	7.7	8.3	5.3	6.7
26	11.4	9.6	10.5	10.6	7.1	8.6	8.2	6.8	7.4	8.7	3.6	6.6
27	10.5	9.6	10.0	10.3	6.8	8.4	9.8	7.0	8.3	8.8	5.3	7.0
28	10.8	9.4	9.9	10.6	6.9	8.5	10.2	7.5	8.7	8.4	5.3	6.9
29	11.0	9.2	9.9	9.1	6.5	7.7	9.6	7.5	8.5	8.5	5.0	6.7
30	---	---	---	7.5	5.5	6.2	8.4	6.1	7.2	8.2	5.3	6.9
31	---	---	---	8.0	5.1	6.5	---	---	---	7.2	5.2	6.2
MONTH	11.4	5.8	9.3	14.0	5.1	9.2	10.6	4.8	8.1	10.4	3.6	7.2

02458600 VILLAGE CREEK NEAR DOCENA, AL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.6	5.1	6.3	7.9	5.8	7.0	7.2	5.4	6.2	7.6	5.6	6.7
2	7.5	5.5	6.7	8.4	6.1	6.9	7.4	5.3	6.3	7.6	5.6	6.6
3	7.8	2.6	6.2	7.9	6.0	6.7	7.9	5.4	6.7	6.8	4.1	6.0
4	7.0	3.2	5.3	---	---	---	7.9	5.4	6.6	6.4	4.1	5.6
5	7.5	2.4	5.4	---	---	---	7.9	5.4	6.6	6.9	5.4	6.1
6	8.8	4.6	6.7	---	---	---	8.2	5.4	6.7	7.2	5.4	6.3
7	7.8	5.9	6.6	---	---	---	8.2	5.7	7.0	7.2	5.7	6.1
8	6.6	4.8	5.7	7.6	4.9	6.6	8.4	5.7	7.1	7.2	5.6	6.2
9	6.8	3.8	5.2	---	---	---	8.2	5.9	7.1	7.5	5.3	6.4
10	7.9	3.0	6.1	---	---	---	7.6	5.8	6.7	7.5	5.4	6.5
11	8.3	5.7	6.9	---	---	---	8.1	5.5	6.7	8.0	5.8	6.8
12	8.5	5.2	6.7	---	---	---	7.1	6.5	6.7	7.9	5.6	6.8
13	6.7	4.4	5.8	---	---	---	7.6	6.5	6.9	8.2	5.8	7.0
14	7.8	4.4	6.6	---	---	---	7.8	6.8	7.3	8.4	6.0	7.2
15	7.3	6.1	6.7	---	---	---	8.4	7.0	7.6	8.0	5.8	7.0
16	8.1	4.0	5.9	---	---	---	8.6	6.8	7.8	7.6	6.2	7.0
17	6.3	5.0	5.9	---	---	---	9.0	6.8	7.9	7.3	6.1	6.8
18	6.1	1.9	4.3	---	---	---	9.4	6.9	8.1	7.3	6.8	7.2
19	5.5	1.3	3.1	---	---	---	9.4	6.8	8.0	7.5	6.9	7.2
20	6.6	1.1	3.8	---	---	---	8.8	5.8	7.5	7.6	6.5	7.1
21	7.0	1.6	4.0	---	---	---	6.9	3.9	5.5	7.4	6.4	6.9
22	9.1	3.8	6.2	8.3	6.7	7.7	8.0	5.6	6.8	8.2	5.7	7.1
23	6.8	5.6	6.1	7.8	5.1	6.5	8.1	4.9	6.9	8.4	6.8	7.5
24	7.5	5.6	6.4	7.5	4.9	6.3	8.5	6.0	7.4	8.5	6.5	7.3
25	7.2	6.6	6.9	7.2	4.9	6.0	7.7	5.6	6.7	8.9	6.4	7.5
26	7.2	6.3	6.7	7.4	4.7	5.8	7.2	5.2	6.2	9.0	6.5	7.8
27	7.2	5.9	6.6	6.5	5.8	6.0	6.8	4.5	5.6	8.9	6.5	7.6
28	6.9	4.7	6.1	6.5	5.6	6.0	7.3	3.3	5.9	9.0	5.9	7.5
29	7.5	4.0	5.6	7.2	5.7	6.2	6.4	3.3	5.3	9.0	5.8	7.5
30	7.7	5.9	7.0	7.3	5.7	6.5	7.0	4.8	5.9	9.1	6.2	7.6
31	---	---	---	6.8	4.9	5.8	7.4	5.4	6.4	---	---	---
MONTH	9.1	1.1	5.9	8.4	4.7	6.4	9.4	3.3	6.8	9.1	4.1	6.9
YEAR	14.0	1.1	8.0									

02461130 VALLEY CREEK AT CENTER STREET AT BIRMINGHAM, AL

LOCATION.--Lat 33°30'20", long 86°50'12", in NE $^1/_4$ NE $^1/_4$ sec. 3, T. 18 S., R. 3 W., Jefferson County, Hydrologic Unit 03160112, at bridge on Center Street, 0.3 mi downstream of Third Avenue North Bridge, and at mile 53.55.

DRAINAGE AREA.--7.00 mi^2.

PERIOD OF RECORD.--February 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 554.54 ft above NGVD of 1929 (City of Birmingham Engineering).

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 FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0045	*2,870	*11.08	Aug 12	0150	2,800	11.00
Jul 26	1655	1,850	8.92	Sep 16	1625	2,360	10.16

Minimum discharge, 2.9 ft^3/s, on several days, gage height, 1.37 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

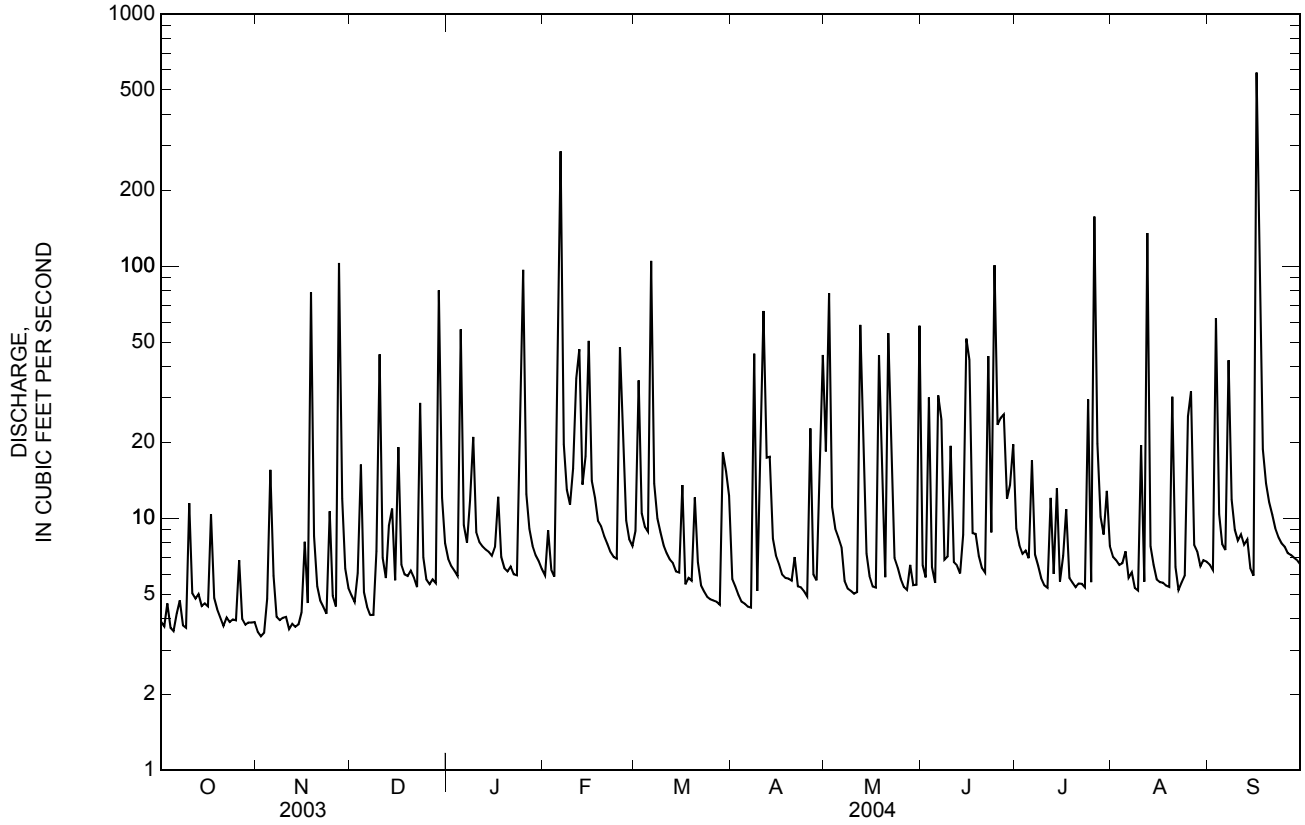
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	3.5	5.0	6.9	5.9	8.9	5.8	18	6.5	9.1	7.0	6.5
2	3.7	3.4	4.7	6.5	9.0	35	5.4	78	5.8	7.8	6.8	6.2
3	4.6	3.5	6.1	6.2	6.2	10	5.0	11	30	7.2	6.5	62
4	3.7	4.8	16	5.9	5.9	9.2	4.7	9.1	6.4	7.4	6.6	10
5	3.6	16	5.1	56	52	8.8	4.6	8.4	5.5	6.9	7.4	7.9
6	4.2	5.9	4.4	9.4	285	105	4.5	7.7	31	17	5.8	7.5
7	4.7	4.1	4.1	8.0	20	14	4.4	5.6	25	7.2	6.1	42
8	3.8	3.9	4.1	12	13	10	45	5.3	6.9	6.5	5.3	12
9	3.7	4.0	7.4	21	11	8.8	5.1	5.1	7.1	5.8	5.2	9.0
10	11	4.1	45	8.8	16	7.8	20	5.0	19	5.4	20	8.1
11	5.0	3.6	7.0	8.0	36	7.3	66	5.1	6.7	5.3	5.6	8.6
12	4.8	3.8	5.8	7.7	47	6.9	17	58	6.5	12	135	7.9
13	5.0	3.7	9.4	7.5	14	6.6	18	19	6.0	6.0	7.7	8.2
14	4.5	3.8	11	7.4	18	6.1	8.3	7.2	8.6	13	6.5	6.3
15	4.6	4.2	5.7	7.1	50	6.1	7.1	5.9	52	5.6	5.7	5.9
16	4.5	8.1	19	7.7	14	14	6.6	5.4	43	7.1	5.6	586
17	10	4.6	6.5	12	12	5.5	6.0	5.3	8.7	11	5.5	49
18	4.8	79	6.0	7.0	9.8	5.8	5.8	44	8.7	5.8	5.4	19
19	4.4	8.5	5.9	6.3	9.3	5.6	5.8	16	7.1	5.6	5.3	14
20	4.0	5.4	6.2	6.2	8.5	12	5.7	5.8	6.4	5.3	30	12
21	3.7	4.7	5.8	6.4	7.9	6.7	7.0	54	6.1	5.5	6.4	10
22	4.0	4.4	5.3	6.0	7.3	5.4	5.4	15	44	5.5	5.2	9.1
23	3.9	4.2	29	5.9	7.0	5.1	5.3	7.0	8.8	5.3	5.6	8.4
24	4.0	11	7.0	18	6.9	4.9	5.1	6.4	101	30	5.9	8.0
25	3.9	4.9	5.7	97	48	4.8	4.9	5.8	23	5.6	25	7.7
26	6.8	4.5	5.5	12	20	4.7	23	5.3	25	157	32	7.3
27	4.0	103	5.7	9.1	9.8	4.7	6.0	5.2	26	20	7.8	7.1
28	3.8	12	5.5	7.8	8.3	4.5	5.7	6.5	12	10	7.4	7.0
29	3.9	6.3	80	7.1	7.8	18	21	5.4	14	8.6	6.5	6.8
30	3.9	5.3	12	6.8	---	15	44	5.4	20	13	6.8	6.6
31	3.9	---	8.0	6.3	---	12	---	58	---	7.8	6.7	---
TOTAL	144.3	338.2	353.9	400.0	765.6	379.2	378.2	498.9	576.8	425.3	404.3	966.1
MEAN	4.65	11.3	11.4	12.9	26.4	12.2	12.6	16.1	19.2	13.7	13.0	32.2
MAX	11	103	80	97	285	105	66	78	101	157	135	586
MIN	3.6	3.4	4.1	5.9	5.9	4.5	4.4	5.0	5.5	5.3	5.2	5.9
CFSM	0.66	1.61	1.63	1.84	3.77	1.75	1.80	2.30	2.75	1.96	1.86	4.60
IN.	0.77	1.80	1.88	2.13	4.07	2.02	2.01	2.65	3.07	2.26	2.15	5.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	12.3	15.1	18.9	16.9	24.5	20.4	16.0	20.8	19.9	14.7	14.7	25.1
MAX	23.1	20.2	25.6	26.1	31.0	30.4	22.9	40.9	28.6	19.3	22.2	35.3
(WY)	(2003)	(2003)	(2003)	(2002)	(2001)	(2001)	(2001)	(2003)	(2003)	(2003)	(2001)	(2002)
MIN	4.65	11.3	11.4	11.6	16.1	12.2	11.8	12.2	13.8	11.6	8.21	11.7
(WY)	(2004)	(2004)	(2004)	(2003)	(2002)	(2004)	(2003)	(2002)	(2002)	(2001)	(2002)	(2003)

02461130 VALLEY CREEK AT CENTER STREET AT BIRMINGHAM, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	6,296.8		5,630.8			
ANNUAL MEAN	17.3		15.4		17.8	
HIGHEST ANNUAL MEAN					20.7	2003
LOWEST ANNUAL MEAN					15.4	2004
HIGHEST DAILY MEAN	227	Jul 1	586	Sep 16	586	Sep 16, 2004
LOWEST DAILY MEAN	3.4	Nov 2	3.4	Nov 2	3.4	Nov 2, 2003
ANNUAL SEVEN-DAY MINIMUM	3.7	Sep 14	3.7	Oct 28	3.7	Sep 14, 2003
MAXIMUM PEAK FLOW			2,870	Feb 6	4,500	Sep 22, 2002
MAXIMUM PEAK STAGE			11.08	Feb 6	12.60	Sep 22, 2002
ANNUAL RUNOFF (CFSM)	2.46		2.20		2.54	
ANNUAL RUNOFF (INCHES)	33.46		29.92		34.56	
10 PERCENT EXCEEDS	39		30		42	
50 PERCENT EXCEEDS	7.6		6.9		7.4	
90 PERCENT EXCEEDS	4.1		4.4		4.4	



02461500 VALLEY CREEK NEAR BESSEMER, AL

LOCATION.--Lat 33°25'09", long 86°58'58", in NW $^1/_4$ 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 mi^2.

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 NGVD of 1929 (levels by Jefferson County Highway Department). May 2, 1974 to May 14, 1975, rainfall-runoff site at same site and datum.

REMARKS.--Estimated daily discharges: Aug. 2-7, 9, 11, 15-20, 23-25, Aug. 27 - Sept. 3, 5-7, 9-15. 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.

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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0800	*8,190	*15.39	Sep 16	1930	7,580	15.07

Minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	42	54	68	57	83	70	120	63	142	59	e38
2	48	37	54	74	61	174	46	365	65	78	e42	e39
3	41	40	57	49	61	115	50	82	124	56	e46	e143
4	41	38	93	62	61	81	53	66	60	59	e47	138
5	47	71	55	304	71	89	43	67	45	63	e45	e54
6	44	78	47	104	3,570	778	55	50	59	55	e44	e41
7	42	45	50	90	311	178	52	60	187	74	e46	e123
8	51	41	52	77	188	120	167	48	61	57	53	83
9	48	35	37	122	148	119	61	55	53	51	e44	e48
10	50	37	177	79	148	102	59	56	118	46	73	e39
11	53	49	61	70	146	84	348	43	64	47	e50	e39
12	35	36	54	68	480	86	81	82	46	119	495	e37
13	44	41	48	62	159	74	159	179	50	81	57	e36
14	47	33	63	61	151	80	83	78	43	61	49	e35
15	46	37	50	57	468	74	62	50	216	46	e44	e63
16	42	45	66	64	184	87	54	55	203	42	e41	4,210
17	42	43	77	50	146	80	60	44	86	54	e40	864
18	49	313	53	77	134	59	47	54	62	59	e44	149
19	41	104	47	54	104	68	54	225	56	46	e38	100
20	35	50	52	59	99	57	49	47	51	46	e92	85
21	38	43	50	57	95	84	56	77	51	46	79	82
22	43	46	49	52	87	57	42	108	90	40	56	76
23	44	40	115	52	82	58	44	58	102	49	e47	66
24	33	56	76	55	88	56	42	49	398	63	e42	70
25	39	35	48	468	104	52	39	51	195	57	e44	53
26	38	43	52	140	308	54	76	43	88	394	77	56
27	40	563	51	91	106	54	48	44	129	265	e45	60
28	42	91	49	74	93	52	42	52	77	65	e66	56
29	39	65	276	70	81	68	47	42	124	54	e51	55
30	38	57	214	65	---	85	126	40	199	57	e42	49
31	44	---	77	58	---	75	---	238	---	68	e37	---
TOTAL	1,325	2,254	2,304	2,833	7,791	3,283	2,215	2,628	3,165	2,440	2,035	6,987
MEAN	42.7	75.1	74.3	91.4	269	106	73.8	84.8	106	78.7	65.6	233
MAX	53	563	276	468	3,570	778	348	365	398	394	495	4,210
MIN	33	33	37	49	57	52	39	40	43	40	37	35
CFSM	0.81	1.43	1.42	1.74	5.12	2.02	1.41	1.61	2.01	1.50	1.25	4.44
IN.	0.94	1.60	1.63	2.01	5.52	2.33	1.57	1.86	2.24	1.73	1.44	4.95

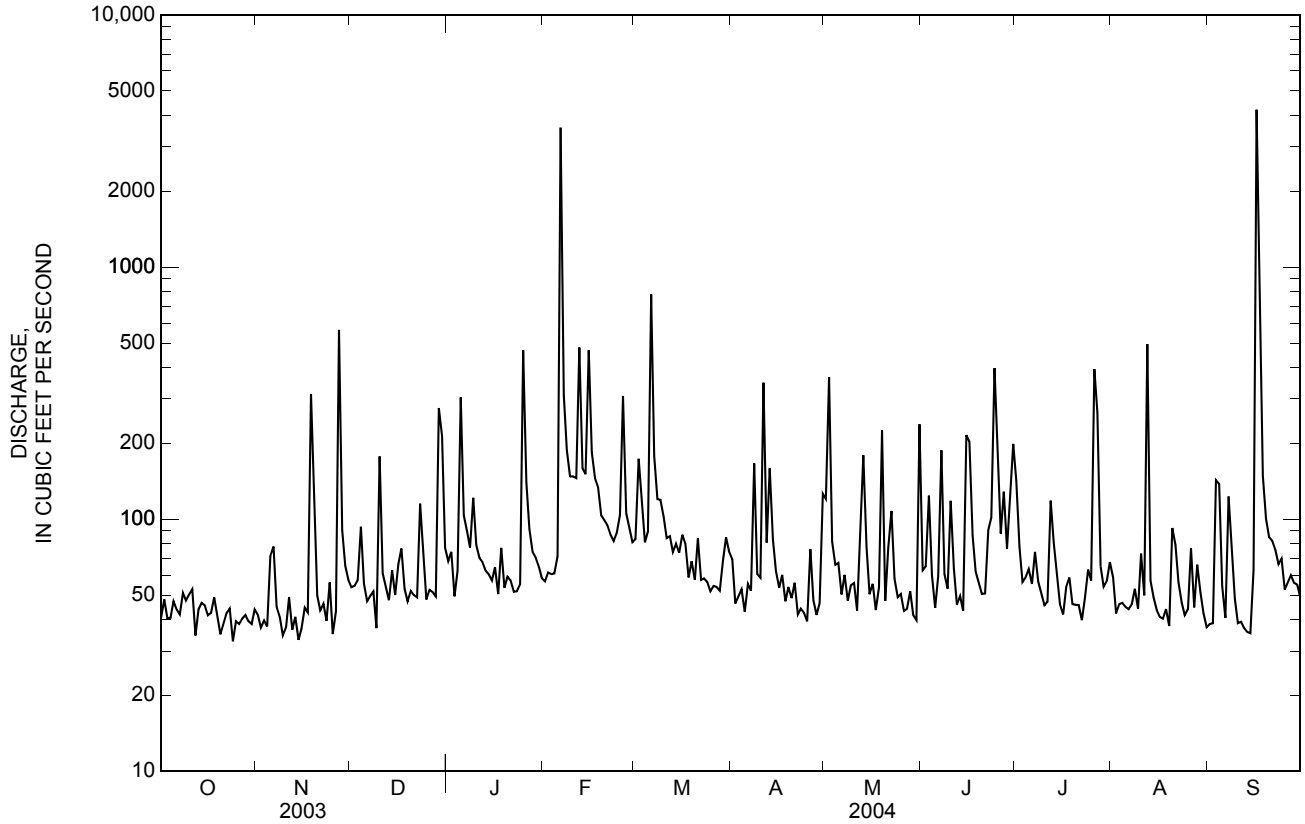
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	90.6	106	119	179	164	215	157	132	109	104	74.5	117
MAX	269	207	217	352	353	585	586	352	228	217	140	273
(WY)	(1996)	(1996)	(2003)	(1996)	(1990)	(1976)	(1979)	(2003)	(1989)	(1989)	(1979)	(1977)
MIN	31.7	60.8	55.4	76.8	73.3	90.2	69.0	43.1	42.0	44.0	43.5	35.3
(WY)	(1992)	(1991)	(2001)	(1992)	(2000)	(1992)	(1990)	(1992)	(1988)	(1995)	(1990)	(2000)

02461500 VALLEY CREEK NEAR BESSEMER, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	48,954		39,260			
ANNUAL MEAN	134		107		131	
HIGHEST ANNUAL MEAN					206	1979
LOWEST ANNUAL MEAN					78.8	1992
HIGHEST DAILY MEAN	1,930	May 18	4,210	Sep 16	6,180	Apr 13, 1979
LOWEST DAILY MEAN	32	Sep 19	33	Oct 24	23	Jul 25, 1988
ANNUAL SEVEN-DAY MINIMUM	37	Sep 8	38	Nov 9	27	Aug 13, 1988
MAXIMUM PEAK FLOW			8,190	Feb 6	11,300	Apr 13, 1979
MAXIMUM PEAK STAGE			15.39	Feb 6	17.06	Apr 13, 1979
ANNUAL RUNOFF (CFSM)	2.55		2.04		2.49	
ANNUAL RUNOFF (INCHES)	34.69		27.82		33.88	
10 PERCENT EXCEEDS	271		153		232	
50 PERCENT EXCEEDS	73		57		72	
90 PERCENT EXCEEDS	40		41		39	

e Estimated



02461640 VALLEY CREEK BELOW BESSEMER, AL

LOCATION.--Lat 33°24'00", long 86°59'32", in NE $^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 435 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0830	*7,580	*12.42	Sep 16	1830	6,390	11.03

Minimum discharge, 2.1 ft^3/s, on several days, minimum gage height, 0.12 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

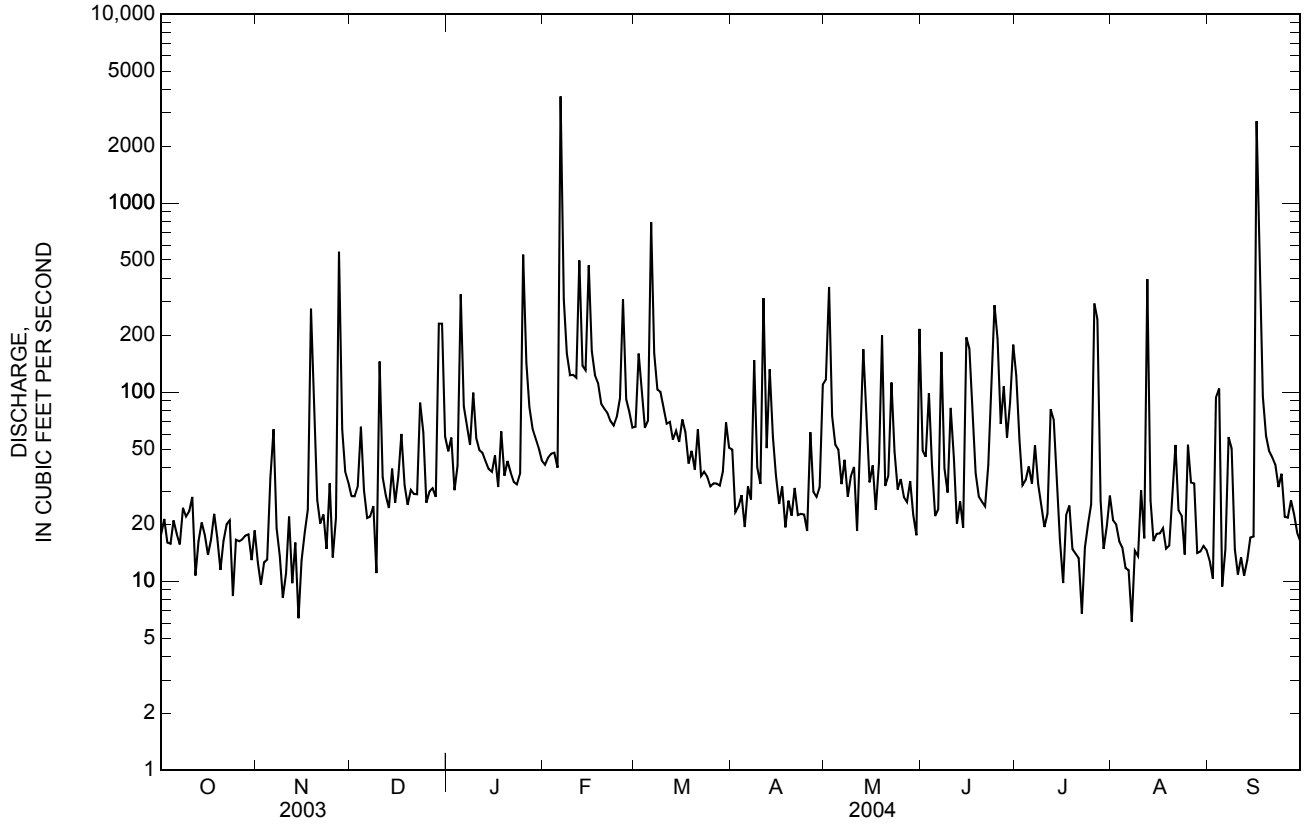
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	13	28	49	41	66	50	117	49	122	21	13
2	21	9.6	28	58	45	160	23	360	46	56	20	10
3	16	13	32	30	47	102	25	75	99	32	16	93
4	16	13	66	41	48	65	29	53	41	34	15	104
5	21	35	30	329	40	71	19	50	22	40	12	9.4
6	18	64	22	84	3,660	793	32	33	24	33	11	15
7	16	19	22	66	310	161	27	44	163	52	6.1	58
8	24	14	25	53	160	103	148	28	40	33	15	50
9	22	8.2	11	99	123	100	40	36	29	25	14	15
10	23	11	145	57	123	83	33	40	82	19	30	11
11	28	22	35	49	119	68	314	18	45	23	17	13
12	11	9.8	28	48	497	70	51	59	20	81	396	11
13	16	16	24	43	138	56	132	169	26	72	27	13
14	20	6.4	39	39	131	62	58	75	19	35	16	17
15	18	13	26	38	469	55	36	33	195	16	18	17
16	14	18	36	46	165	72	26	41	170	9.8	18	2,710
17	17	24	60	32	123	61	32	24	74	22	19	847
18	23	276	32	62	112	42	19	43	37	25	15	95
19	17	90	25	36	87	49	27	199	28	15	15	59
20	11	27	30	43	82	39	22	32	26	14	28	49
21	16	20	29	38	78	64	31	36	25	13	53	45
22	20	23	29	33	70	36	22	112	41	6.7	24	41
23	21	15	88	33	67	38	23	49	98	15	22	32
24	8.4	33	61	37	74	36	23	31	288	20	14	37
25	17	13	26	533	93	32	18	35	191	26	53	22
26	16	22	30	144	310	33	61	28	68	295	33	22
27	17	553	31	83	92	33	30	26	108	243	33	27
28	17	64	28	64	79	32	28	34	57	27	14	23
29	18	38	230	57	65	38	31	22	88	15	14	18
30	13	33	230	51	---	69	110	18	179	20	15	16
31	19	---	58	43	---	51	---	216	---	28	15	---
TOTAL	552.4	1,516.0	1,584	2,418	7,448	2,740	1,520	2,136	2,378	1,467.5	1,019.1	4,492.4
MEAN	17.8	50.5	51.1	78.0	257	88.4	50.7	68.9	79.3	47.3	32.9	150
MAX	28	553	230	533	3,660	793	314	360	288	295	396	2,710
MIN	8.4	6.4	11	30	40	32	18	18	19	6.7	6.1	9.4
CFSM	0.29	0.82	0.83	1.27	4.18	1.44	0.83	1.12	1.29	0.77	0.54	2.44
IN.	0.33	0.92	0.96	1.46	4.51	1.66	0.92	1.29	1.44	0.89	0.62	2.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	62.4	84.7	118	184	180	208	153	119	114	83.5	64.5	96.8
MAX	105	117	198	346	276	344	318	337	193	107	116	206
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(2000)	(2000)	(2003)	(2003)	(2003)	(2001)	(2001)
MIN	17.8	50.5	51.1	78.0	82.3	88.4	50.7	58.0	66.2	47.3	32.9	34.3
(WY)	(2004)	(2004)	(2004)	(2004)	(2000)	(2004)	(2004)	(2000)	(2000)	(2004)	(2004)	(2000)

02461640 VALLEY CREEK BELOW BESSEMER, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	43,923.4		29,271.4			
ANNUAL MEAN	120		80.0		122	
HIGHEST ANNUAL MEAN					146	2003
LOWEST ANNUAL MEAN					80.0	2004
HIGHEST DAILY MEAN	1,960	May 18	3,660	Feb 6	4,070	Jan 7, 1998
LOWEST DAILY MEAN	6.4	Nov 14	6.1	Aug 7	6.1	Aug 7, 2004
ANNUAL SEVEN-DAY MINIMUM	12	Nov 9	12	Nov 9	12	Nov 9, 2003
MAXIMUM PEAK FLOW			7,580	Feb 6	7,600	Jan 7, 1998
MAXIMUM PEAK STAGE			12.42	Feb 6	13.24	Jan 7, 1998
ANNUAL RUNOFF (CFSM)	1.96		1.30		1.99	
ANNUAL RUNOFF (INCHES)	26.61		17.73		26.99	
10 PERCENT EXCEEDS	273		134		230	
50 PERCENT EXCEEDS	55		33		60	
90 PERCENT EXCEEDS	17		15		29	



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 mi^2.

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 NGVD of 1929 (levels by Jefferson County Highway Department). May 16 to July 12, 1936, chain gage at site 500 ft downstream at same datum. August 1953 to September 1958, water-stage recorder, October 1958 to September 1964 and October 1965 to June 1978, crest-stage gage, at present site and datum.

REMARKS.--Estimated daily discharges: Oct. 9, Apr. 11-23, May 31, Jun 1, 29, 30, Jul. 12, 13, 16-19, Aug. 28-31, Sept. 1. 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	1200	*11,200	*23.38	Sep 17	0415	5,950	15.02

Minimum discharge, 57 ft^3/s, June 14, gage height, 3.19 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	109	139	198	187	331	180	289	e129	336	146	e109
2	125	108	122	176	175	354	154	478	132	214	122	108
3	120	101	128	162	191	451	141	265	144	174	117	114
4	115	98	130	155	177	349	142	202	208	163	120	257
5	129	114	156	461	279	332	138	174	122	153	111	110
6	118	163	122	395	8,130	1,570	139	152	109	145	112	97
7	129	108	112	265	1,320	778	146	137	178	160	89	101
8	71	103	112	248	727	549	255	133	188	138	80	169
9	e78	106	101	288	525	460	222	124	117	137	83	120
10	99	98	215	224	472	395	163	129	119	136	108	104
11	109	98	182	227	420	348	e414	117	210	129	116	101
12	100	101	134	201	980	321	e285	138	128	e100	441	101
13	86	99	127	193	629	283	443	260	124	e127	178	110
14	94	98	142	176	529	281	326	186	80	124	119	104
15	88	72	132	173	959	261	283	130	200	123	116	101
16	90	71	128	164	762	287	235	122	241	e90	108	1,630
17	90	87	167	140	562	258	208	129	324	e97	106	2,670
18	97	120	132	143	476	239	180	122	166	e100	106	440
19	96	400	123	151	437	207	168	230	138	e93	96	298
20	81	151	114	146	401	202	164	135	131	113	100	252
21	85	120	111	141	363	201	162	119	119	112	154	227
22	113	100	109	138	337	183	162	174	113	113	117	225
23	111	89	123	124	318	196	147	125	179	108	116	217
24	110	89	234	130	314	192	142	115	228	107	101	185
25	106	104	132	453	317	186	133	100	359	144	107	154
26	107	89	124	568	685	175	147	102	187	133	158	147
27	107	541	127	325	443	166	164	102	188	596	135	135
28	105	362	119	259	384	162	141	106	196	186	e124	133
29	110	195	135	232	352	154	129	107	e158	148	e121	129
30	112	159	550	220	---	209	189	97	e446	135	e118	123
31	105	---	246	190	---	178	---	e228	---	147	e118	---
TOTAL	3,206	4,253	4,728	7,066	21,851	10,258	5,902	5,027	5,361	4,781	3,943	8,771
MEAN	103	142	153	228	753	331	197	162	179	154	127	292
MAX	129	541	550	568	8,130	1,570	443	478	446	596	441	2,670
MIN	71	71	101	124	175	154	129	97	80	90	80	97
CFSM	0.70	0.96	1.03	1.54	5.09	2.24	1.33	1.10	1.21	1.04	0.86	1.98
IN.	0.81	1.07	1.19	1.78	5.49	2.58	1.48	1.26	1.35	1.20	0.99	2.20

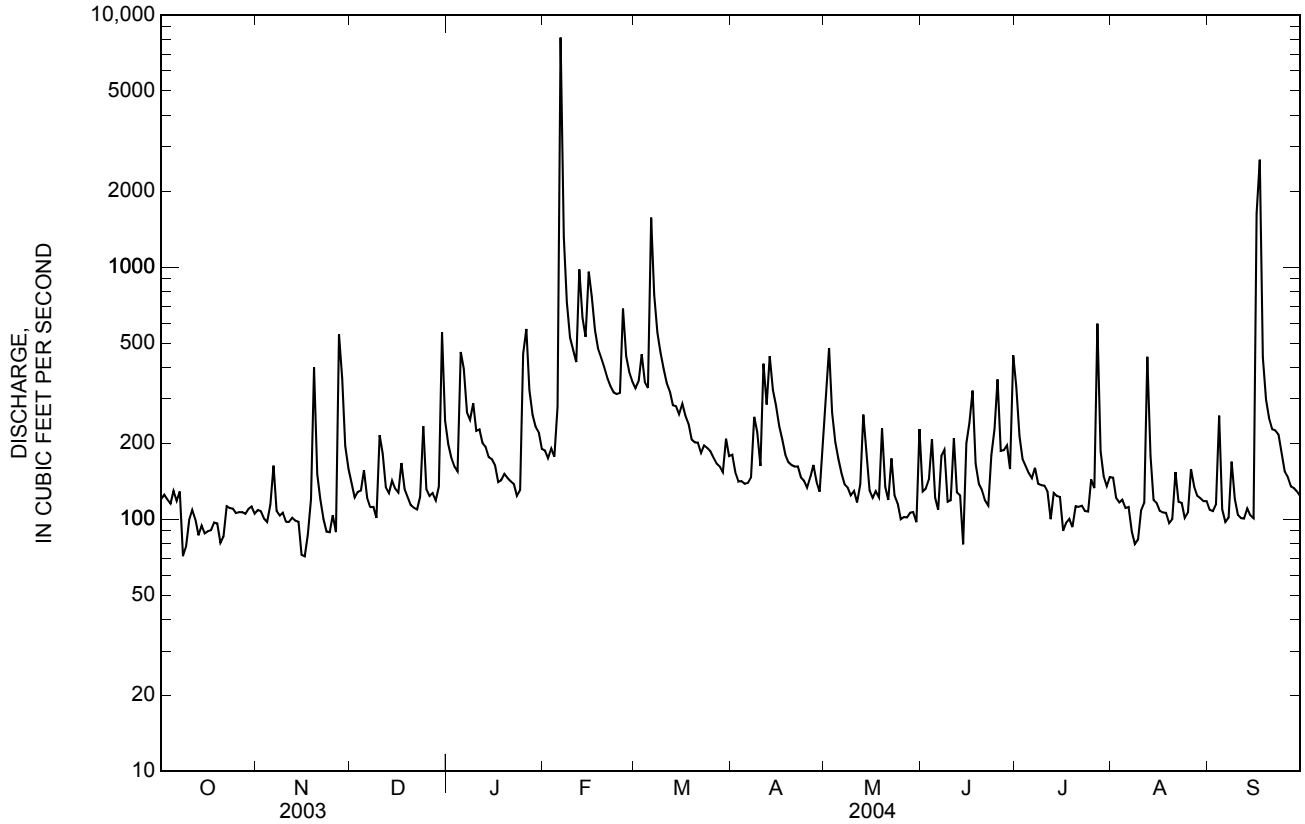
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

MEAN	156	237	374	478	578	578	472	291	212	205	144	173
MAX	442	539	2,289	931	1,239	1,440	1,580	930	616	631	253	608
(WY)	(1996)	(1958)	(1984)	(1990)	(1983)	(1980)	(1979)	(2003)	(1989)	(1989)	(2001)	(2001)
MIN	75.5	79.0	127	111	205	234	99.2	97.6	83.4	94.2	84.7	72.9
(WY)	(1979)	(1982)	(1981)	(1981)	(2000)	(1985)	(1986)	(1992)	(1988)	(1995)	(1980)	(1990)

02462000 VALLEY CREEK NEAR OAK GROVE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	127,070		85,147			
ANNUAL MEAN	348		233		323	
HIGHEST ANNUAL MEAN					459	1983
LOWEST ANNUAL MEAN					144	1986
HIGHEST DAILY MEAN	3,230	May 22	8,130	Feb 6	19,100	Apr 13, 1979
LOWEST DAILY MEAN	71	Oct 8	71	Oct 8	34	Sep 19, 1983
ANNUAL SEVEN-DAY MINIMUM	89	Nov 11	89	Nov 11	43	Sep 28, 1983
MAXIMUM PEAK FLOW			11,200	Feb 6	32,000	Dec 4, 1983
MAXIMUM PEAK STAGE			23.38	Feb 6	33.98	Dec 4, 1983
ANNUAL RUNOFF (CFSM)	2.35		1.57		2.18	
ANNUAL RUNOFF (INCHES)	31.94		21.40		29.67	
10 PERCENT EXCEEDS	684		400		614	
50 PERCENT EXCEEDS	227		142		179	
90 PERCENT EXCEEDS	99		100		88	

e Estimated



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 mi^2.

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 NGVD of 1929. Prior to October 1, 1998, gage datum was 173.50 ft higher.

COOPERATION.--Records were provided by Alabama Power Company.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	4,120	3,090	5,950	9,340	2,400	3,590	6,690	10,500	2,760	2,120
2	0	0	3,040	6,270	4,930	9,570	3,400	5,790	3,850	8,320	3,030	2,410
3	877	0	4,780	1,650	4,240	10,100	853	4,840	4,720	8,100	2,480	2,100
4	0	3,140	5,580	1,180	5,900	9,980	249	4,320	4,680	7,350	3,170	0
5	0	3,400	5,910	10,500	8,900	10,600	1,850	2,730	3,230	7,750	2,540	409
6	4,380	3,360	3,720	12,900	94,800	40,800	1,740	2,450	2,480	8,280	2,120	0
7	0	2,840	889	10,600	86,600	40,500	509	1,260	5,490	7,670	868	2,990
8	2,080	0	4,210	9,020	59,300	24,200	1,610	2,150	1,930	5,320	0	1,600
9	1,980	0	5,550	8,220	19,500	18,900	2,210	2,630	1,910	5,130	3,520	2,480
10	2,060	3,460	4,320	8,570	10,900	14,600	2,200	0	3,860	3,660	1,980	3,160
11	758	1,570	3,260	7,900	10,300	12,900	3,810	0	3,600	3,750	3,490	0
12	2,880	487	7,180	8,190	16,500	10,600	4,060	0	0	3,090	3,630	0
13	6	2,320	3,850	6,590	16,800	9,990	2,690	0	3,730	4,040	2,910	2,020
14	0	2,120	3,400	4,380	20,500	10,400	5,460	4,180	4,320	2,890	563	3,520
15	0	0	3,750	3,780	20,900	9,740	5,180	1,740	3,860	4,230	0	8,370
16	0	0	3,290	6,000	22,100	8,660	4,660	2,490	5,720	3,380	0	10,400
17	107	1,660	2,880	3,550	15,100	7,800	2,960	1,600	5,730	4,380	0	25,600
18	0	3,430	3,200	2,270	10,800	6,050	0	1,940	3,800	2,130	2,050	20,500
19	0	4,300	2,880	875	10,200	5,210	3,020	1,750	1,410	3,450	2,630	10,300
20	2,170	2,140	1,750	4,690	10,700	4,920	2,290	1,360	993	3,000	2,980	4,550
21	2,390	1,800	0	5,000	10,700	3,500	2,510	1,380	2,960	2,880	1,900	3,090
22	2,120	2,090	3,500	4,530	10,700	3,720	1,260	0	3,380	3,370	0	2,900
23	433	1,310	3,480	3,750	10,700	2,850	1,560	0	2,250	4,010	2,660	4,420
24	1,970	2,270	2,320	5,430	10,600	1,570	2,280	1,820	6,210	4,230	3,370	2,730
25	0	2,560	0	7,020	10,600	2,150	2,320	1,230	6,930	700	2,620	0
26	2,590	2,990	3,880	10,600	14,200	2,030	4,350	0	7,030	3,560	2,020	872
27	323	6,940	1,620	9,530	12,300	0	2,130	927	7,830	12,400	2,500	2,710
28	841	8,240	0	9,350	10,400	506	2,040	1,590	14,900	4,720	2,190	2,580
29	0	6,040	3,980	6,960	9,630	4,270	1,960	2,260	10,400	4,330	0	3,890
30	0	4,290	3,660	7,640	---	3,250	3,080	1,840	10,400	5,290	1,920	1,990
31	0	---	6,130	5,430	---	1,280	---	6,860	---	1,390	1,870	---
TOTAL	27,965	72,757	106,129	195,465	554,750	299,986	74,641	62,727	144,293	153,300	61,771	127,711
MEAN	902	2,425	3,424	6,305	19,130	9,677	2,488	2,023	4,810	4,945	1,993	4,257
MAX	4,380	8,240	7,180	12,900	94,800	40,800	5,460	6,860	14,900	12,400	3,630	25,600
MIN	0	0	0	875	4,240	0	0	0	0	700	0	0
CFSM	0.23	0.61	0.86	1.58	4.81	2.43	0.62	0.51	1.21	1.24	0.50	1.07
IN.	0.26	0.68	0.99	1.83	5.18	2.80	0.70	0.59	1.35	1.43	0.58	1.19

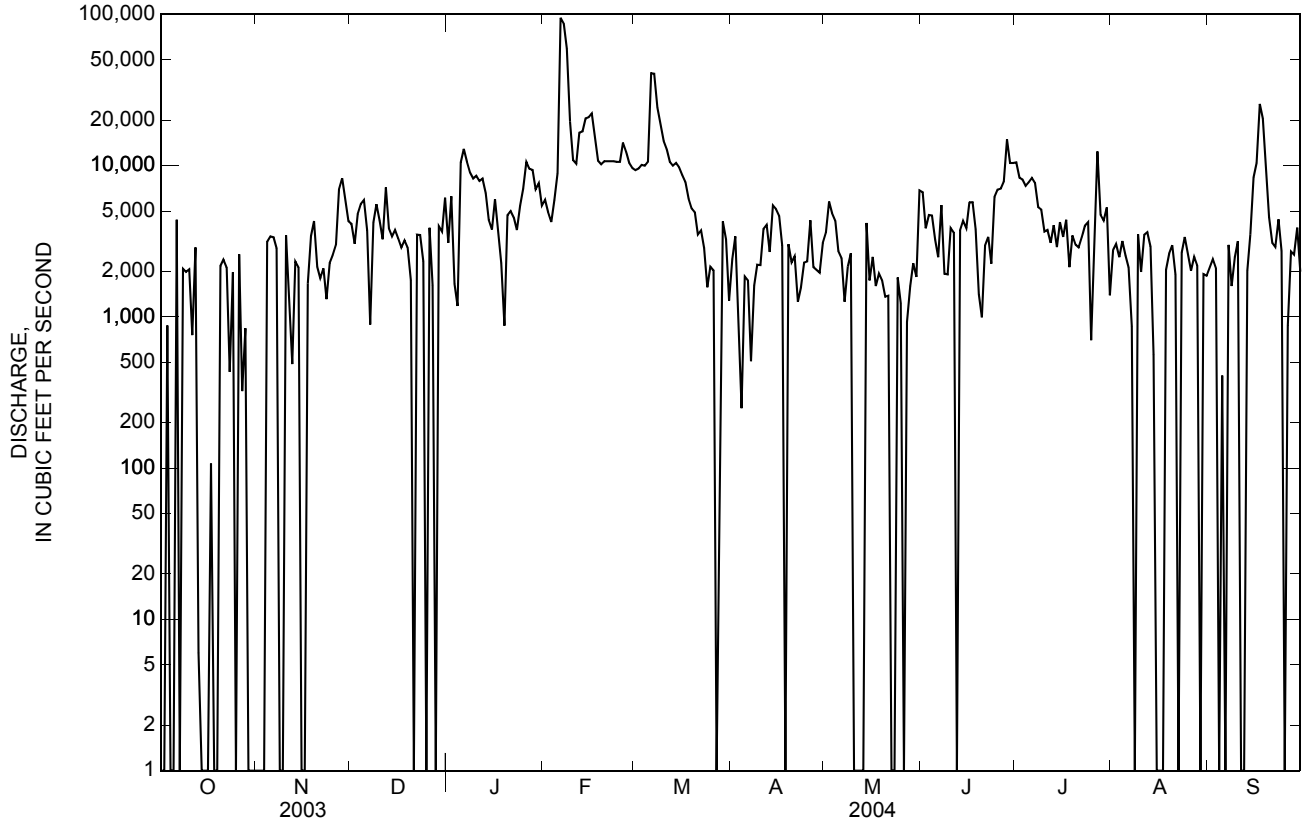
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	2,464	4,527	7,687	11,220	12,510	14,330	10,370	6,361	3,384	3,011	1,957	2,146
MAX	11,990	32,560	32,480	24,030	35,550	38,030	29,230	27,260	21,670	13,400	4,557	9,717
(WY)	(1933)	(1930)	(1933)	(1998)	(1990)	(1929)	(1979)	(2003)	(1997)	(1989)	(1985)	(2001)
MIN	19.7	95.7	893	2,688	2,464	2,677	841	568	182	410	404	65.4
(WY)	(1932)	(1932)	(2000)	(1986)	(2000)	(1988)	(1986)	(1992)	(1936)	(1931)	(1929)	(1931)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	2,883,965		1,881,495			
ANNUAL MEAN	7,901		5,141		6,637	
HIGHEST ANNUAL MEAN					10,210	1980
LOWEST ANNUAL MEAN					2,555	1988
HIGHEST DAILY MEAN	73,800	May 8	94,800	Feb 6	143,000	Apr 13, 1979
LOWEST DAILY MEAN	0	Aug 12	0	Oct 1	*0	Many days
ANNUAL SEVEN-DAY MINIMUM	16	Oct 13	16	Oct 13	0.00	Several times
MAXIMUM PEAK STAGE			255.10	Feb 6	255.60	Jan 11, 1984
ANNUAL RUNOFF (CFSM)	1.98		1.29		1.67	
ANNUAL RUNOFF (INCHES)	26.95		17.58		22.65	
10 PERCENT EXCEEDS	18,200		10,500		14,900	
50 PERCENT EXCEEDS	3,950		3,160		3,070	
90 PERCENT EXCEEDS	453		0.00		300	

* Some undetermined amounts of leakage may have occurred during periods reported as no flow.

02462500 BLACK WARRIOR RIVER AT BANKHEAD LOCK AND DAM NEAR BESSEMER, AL—Continued



02462501 BLACK WARRIOR RIVER BELOW BANKHEAD LOCK AND DAM NEAR BESSEMER, AL

LOCATION.--Lat 33°27'25", long 87°21'18", in SE $^1/_4$ 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 mi^2.

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 NGVD of 1929. Prior to July 11, 1963, nonrecording gage at same site and datum. July 11, 1963 to September 30, 1976, at datum 173.50 ft higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 194.00 ft, July 9, 1916; minimum, 179.60 ft, Oct. 15 to Nov. 1, 1920.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 189.47 ft, Feb. 6; minimum elevation, 185.09 ft, Nov. 24.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186.32	186.31	186.06	186.24	186.19	186.62	186.22	186.33	186.24	186.45	186.60	186.45
2	186.50	186.37	186.19	186.52	186.54	186.56	186.27	186.37	186.17	186.43	186.56	186.37
3	186.56	186.35	186.30	186.37	186.47	186.81	186.28	186.32	---	186.40	186.47	186.20
4	186.33	186.34	186.11	186.39	186.27	186.39	186.39	186.27	186.18	186.22	186.26	186.29
5	186.29	186.12	186.21	186.69	186.37	186.20	186.44	186.31	186.20	186.26	186.32	186.27
6	186.15	185.96	186.39	186.94	188.69	187.06	186.51	186.36	186.15	186.33	186.37	186.36
7	186.06	185.84	186.44	186.63	187.75	186.85	186.52	186.36	186.12	186.16	186.47	186.32
8	186.02	185.77	186.42	186.04	187.14	186.74	186.22	186.42	186.03	186.23	186.59	186.14
9	186.08	185.78	186.45	186.18	186.79	186.27	186.22	186.34	186.14	186.47	186.45	186.30
10	186.29	186.15	186.28	185.94	186.56	186.36	186.26	186.31	186.18	186.24	186.29	186.24
11	186.14	186.26	186.13	186.18	186.45	186.59	---	186.42	186.12	186.24	186.27	186.25
12	186.26	186.23	186.14	186.35	186.70	186.59	---	186.55	186.06	186.31	186.36	186.27
13	186.52	186.13	186.05	186.08	186.66	186.65	186.27	186.39	186.39	186.29	186.38	186.29
14	186.35	185.90	186.07	186.02	186.52	186.18	186.39	186.16	186.22	186.17	186.28	186.20
15	185.89	185.84	186.23	185.98	186.64	186.27	---	186.10	186.31	186.15	186.08	186.12
16	185.93	185.84	186.11	186.11	186.61	186.44	---	186.06	186.31	186.20	186.15	---
17	186.00	185.98	186.19	186.38	186.74	186.36	186.45	186.18	186.62	186.41	186.29	---
18	186.07	186.30	186.19	186.31	186.75	186.28	186.46	186.33	186.32	186.46	186.38	---
19	186.10	186.14	186.24	185.99	186.35	186.29	186.58	186.32	186.15	186.42	186.39	186.47
20	186.08	186.06	186.40	185.99	186.37	186.46	186.56	186.34	186.17	186.32	186.24	186.20
21	185.96	186.09	186.46	186.35	186.45	186.36	186.49	186.41	186.22	186.24	186.21	186.14
22	186.00	186.04	186.43	186.38	186.41	186.38	186.55	186.55	186.28	186.19	186.35	186.03
23	186.38	185.94	186.31	186.23	186.35	186.38	186.53	186.60	186.27	186.18	186.43	186.02
24	186.49	185.92	186.28	186.18	186.29	186.45	186.53	186.46	186.25	186.09	186.41	185.96
25	185.94	186.07	186.19	186.10	186.19	186.62	186.53	186.40	185.97	186.21	186.34	186.09
26	185.91	186.35	186.25	185.87	186.59	186.55	186.31	186.48	186.08	186.26	186.28	186.01
27	185.82	186.46	186.21	185.75	186.70	186.49	186.29	186.56	186.17	186.43	186.21	185.99
28	186.01	186.19	186.23	186.34	186.53	186.59	186.32	186.54	186.36	186.59	186.25	186.01
29	186.30	186.12	186.22	186.26	186.70	186.43	186.28	186.61	186.28	186.44	186.39	185.96
30	186.30	186.25	---	186.20	---	186.28	186.34	186.72	186.28	186.36	186.53	185.94
31	186.26	---	---	186.02	---	186.23	---	186.41	---	186.50	186.53	---
MEAN	186.17	186.10	---	186.23	186.65	186.48	---	186.39	---	186.31	186.36	---
MAX	186.56	186.46	---	186.94	188.69	187.06	---	186.72	---	186.59	186.60	---
MIN	185.82	185.77	---	185.75	186.19	186.18	---	186.06	---	186.09	186.08	---

02462951 BLACK WARRIOR RIVER AT HOLT LOCK AND DAM NEAR HOLT, AL

LOCATION.--Lat 33°15'11", long 87°26'57", in NW 1/4 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 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by the U.S. Army Corps of Engineers).

COOPERATION.--Records were provided by Alabama Power Company.

REMARKS.--No estimated daily discharges.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

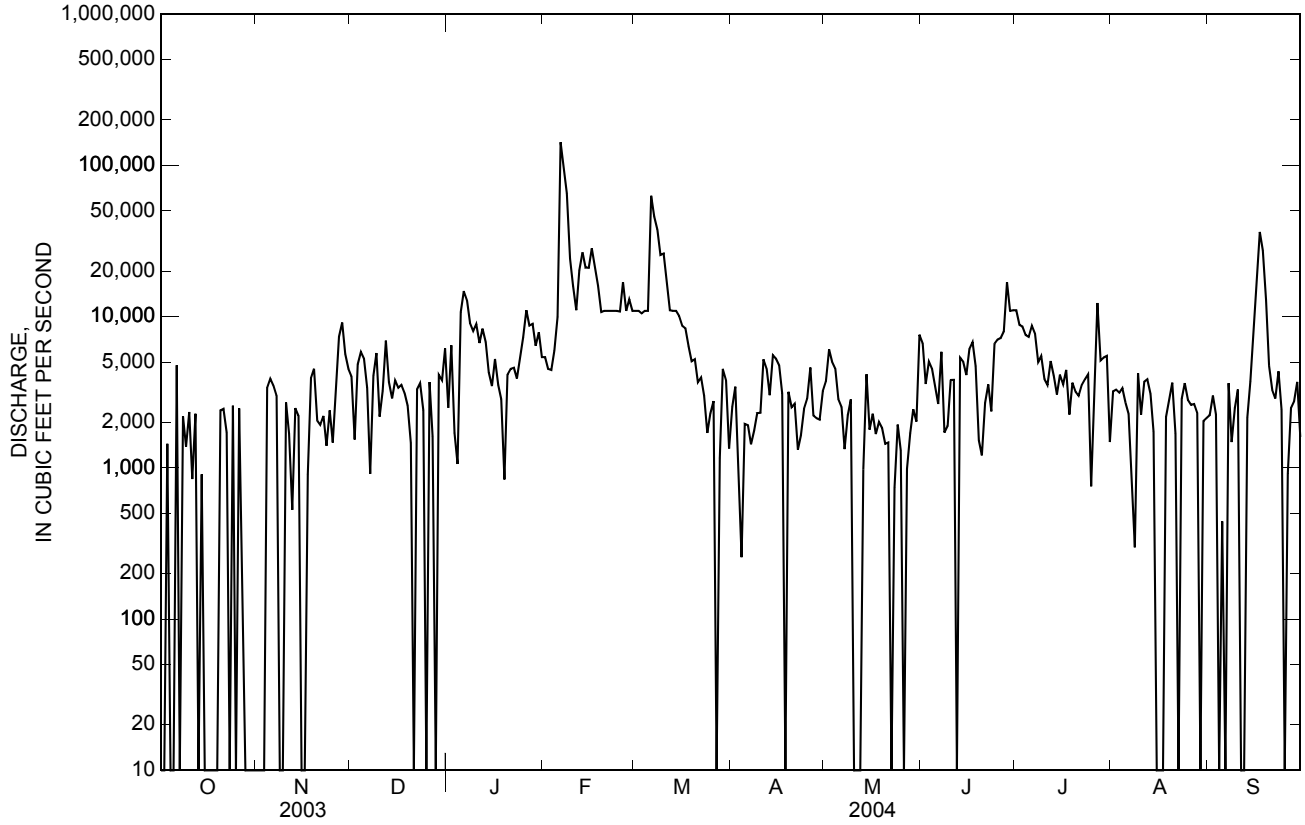
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	4,030	2,490	5,400	10,900	2,530	3,720	6,660	11,000	3,200	2,230
2	0	0	1,540	6,460	4,500	10,900	3,440	6,060	3,580	8,800	3,290	3,000
3	1,440	0	4,830	1,700	4,430	10,500	971	5,030	5,050	8,590	3,140	2,250
4	0	3,370	5,840	1,060	5,940	10,900	256	4,530	4,540	7,550	3,360	0
5	0	3,880	5,290	10,700	9,950	10,900	1,950	2,850	3,420	7,340	2,690	442
6	4,770	3,490	3,380	14,700	142,000	62,800	1,910	2,530	2,640	8,700	2,270	0
7	0	3,000	912	12,800	92,900	45,900	1,430	1,330	5,840	7,740	930	3,630
8	2,190	0	4,060	9,070	65,200	37,500	1,770	2,230	1,710	4,990	298	1,480
9	1,380	0	5,740	8,020	24,200	25,500	2,300	2,830	1,890	5,480	4,230	2,480
10	2,340	2,700	2,180	8,900	15,900	26,100	2,310	0	3,810	3,860	2,250	3,290
11	843	1,680	3,220	6,690	11,000	17,700	5,220	0	3,820	3,530	3,710	0
12	2,280	527	6,940	8,320	20,200	11,000	4,520	0	0	5,080	3,850	0
13	0	2,480	3,690	6,790	26,600	10,900	3,020	979	5,350	4,080	3,080	2,150
14	905	2,210	2,880	4,280	21,100	10,900	5,550	4,160	5,040	3,050	1,730	3,730
15	0	0	3,790	3,470	21,000	10,100	5,280	1,790	4,110	4,130	0	8,780
16	0	0	3,390	5,240	28,200	8,680	4,760	2,280	6,100	3,570	0	16,700
17	0	904	3,540	3,540	20,800	8,360	3,100	1,670	6,760	4,440	0	36,200
18	0	3,910	3,130	2,840	16,000	6,350	0	2,010	4,700	2,250	2,170	27,300
19	0	4,520	2,580	837	10,700	5,060	3,180	1,840	1,520	3,650	2,840	12,900
20	2,390	2,050	1,460	4,130	10,900	5,230	2,510	1,440	1,210	3,180	3,650	4,720
21	2,450	1,920	0	4,500	10,900	3,680	2,650	1,470	2,680	2,990	1,680	3,270
22	1,710	2,200	3,300	4,580	10,900	3,960	1,320	0	3,560	3,540	0	2,870
23	0	1,400	3,620	3,890	10,900	2,990	1,640	737	2,360	3,850	2,860	4,340
24	2,570	2,400	2,400	5,460	10,900	1,700	2,460	1,930	6,610	4,160	3,630	2,420
25	0	1,470	0	7,280	10,800	2,290	2,860	1,300	7,040	753	2,810	0
26	2,470	3,190	3,690	11,000	16,900	2,760	4,600	0	7,200	3,690	2,610	913
27	269	7,360	1,610	8,720	10,900	0	2,220	985	7,940	12,300	2,640	2,480
28	0	9,120	0	8,950	13,000	1,160	2,130	1,690	16,900	5,130	2,310	2,740
29	0	5,660	4,120	6,420	10,900	4,500	2,080	2,440	10,900	5,360	0	3,700
30	0	4,520	3,790	7,860	---	3,800	3,210	2,020	11,000	5,490	2,040	1,600
31	0	---	6,160	5,400	---	1,340	---	7,590	---	1,480	2,140	---
TOTAL	28,007	73,961	101,112	196,097	663,020	374,360	81,177	67,441	153,940	159,753	69,408	155,615
MEAN	903	2,465	3,262	6,326	22,860	12,080	2,706	2,176	5,131	5,153	2,239	5,187
MAX	4,770	9,120	6,940	14,700	142,000	62,800	5,550	7,590	16,900	12,300	4,230	36,200
MIN	0	0	0	837	4,430	0	0	0	0	753	0	0
CFSM	0.21	0.58	0.77	1.50	5.42	2.86	0.64	0.52	1.22	1.22	0.53	1.23
IN.	0.25	0.65	0.89	1.73	5.85	3.30	0.72	0.59	1.36	1.41	0.61	1.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	2,497	4,460	8,355	12,940	14,450	15,710	11,740	7,629	4,411	3,736	2,283	2,691
MAX	12,840	12,900	27,650	26,030	46,480	38,490	32,050	33,160	24,760	17,140	4,800	9,231
(WY)	(1978)	(1978)	(1984)	(1998)	(1990)	(1980)	(1979)	(2003)	(1997)	(1989)	(1985)	(2001)
MIN	105	484	1,173	2,181	2,869	3,060	952	888	1,249	1,244	1,203	935
(WY)	(2001)	(1982)	(2000)	(1981)	(2000)	(1988)	(1986)	(1992)	(1988)	(2000)	(2000)	(2000)

02462951 BLACK WARRIOR RIVER AT HOLT LOCK AND DAM NEAR HOLT, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	3,318,539		2,123,891			
ANNUAL MEAN	9,092		5,803		7,531	
HIGHEST ANNUAL MEAN					11,270	1989
LOWEST ANNUAL MEAN					2,879	1988
HIGHEST DAILY MEAN	93,400	May 8	142,000	Feb 6	178,000	Apr 13, 1979
LOWEST DAILY MEAN	0	Aug 12	0	Oct 1	0	Jul 17, 1977
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 28	0.00	Oct 28	0.00	Oct 2, 2000
MAXIMUM PEAK FLOW			142,000	Feb 6	142,000	Feb 6, 2004
MAXIMUM PEAK STAGE			187.26	Feb 6	190.19	Dec 3, 1983
ANNUAL RUNOFF (CFSM)	2.15		1.38		1.78	
ANNUAL RUNOFF (INCHES)	29.26		18.73		24.25	
10 PERCENT EXCEEDS	23,100		10,900		16,900	
50 PERCENT EXCEEDS	4,080		3,300		3,560	
90 PERCENT EXCEEDS	463		0.00		350	



02462952 BLACK WARRIOR RIVER BELOW HOLT LOCK AND DAM NEAR HOLT, AL

LOCATION.--Lat 33°15'10", long 87°27'05", in NW $^{1}/_{4}$ 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 mi^2.

PERIOD OF RECORD.--July 1966 to current year (elevations 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 NGVD of 1929 (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 156.87 ft, Dec. 3, 1983; minimum elevation, 121.0 ft, July 13, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 145.82 ft, Feb. 6; minimum elevation, 122.84 ft, Sept. 11.

ELEVATION, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123.33	123.16	124.58	124.20	124.67	125.94	124.04	124.12	124.80	125.89	124.19	123.78
2	123.24	123.18	124.12	124.86	124.42	125.90	124.18	124.97	124.30	125.55	124.17	123.98
3	123.62	123.22	124.42	123.89	124.51	125.95	123.65	124.71	124.60	125.31	124.12	123.80
4	123.31	123.99	124.93	123.71	124.75	125.90	123.33	124.47	124.59	125.10	124.13	123.28
5	123.27	124.25	124.66	125.56	125.31	125.87	123.81	124.11	124.39	125.10	123.98	123.38
6	124.34	124.10	124.35	126.65	143.02	---	123.73	124.05	124.14	125.25	123.81	123.17
7	123.29	124.00	123.67	126.15	141.33	131.53	123.59	123.65	124.69	125.23	123.50	124.03
8	123.77	123.23	124.35	125.72	134.97	128.47	123.99	123.86	123.89	124.77	123.32	123.64
9	---	123.18	124.71	125.35	127.80	127.53	124.01	123.99	123.85	124.73	124.19	123.83
10	124.07	123.90	124.53	125.47	126.37	126.79	123.83	123.30	124.19	124.33	123.88	123.99
11	123.76	123.66	124.30	125.18	126.10	126.19	125.38	123.20	124.29	124.12	124.16	123.23
12	124.00	123.44	125.01	125.32	127.08	125.89	124.56	123.18	123.27	124.41	124.25	123.19
13	123.41	123.90	124.42	125.09	127.43	125.85	124.47	123.54	124.36	---	124.15	123.69
14	123.62	123.88	124.12	124.50	126.51	125.85	124.70	124.19	124.82	124.12	123.75	124.05
15	123.26	123.30	124.33	124.30	127.46	125.76	124.80	123.75	124.46	124.25	123.27	125.18
16	123.23	123.23	124.26	124.67	128.55	125.26	124.57	123.89	124.84	124.13	123.18	126.50
17	123.31	123.45	124.27	124.33	127.23	125.34	---	123.82	125.14	124.29	123.18	128.76
18	123.29	124.26	124.23	124.14	126.40	124.99	123.37	123.89	124.64	123.98	123.75	127.20
19	123.29	124.51	124.07	123.68	126.12	124.63	124.04	123.94	123.90	124.16	123.91	125.82
20	123.80	123.98	123.77	124.35	125.95	124.68	123.89	123.75	123.72	124.06	124.22	124.64
21	123.92	123.90	123.34	124.47	125.92	124.27	124.01	123.72	124.01	124.02	123.70	124.12
22	123.72	123.87	124.18	124.49	125.86	124.31	123.74	123.22	124.20	124.09	123.29	124.04
23	123.31	123.72	124.30	124.36	125.85	124.16	---	123.46	---	124.13	123.91	124.25
24	123.94	123.90	123.91	124.51	125.85	123.83	---	123.72	124.70	124.28	124.13	123.65
25	123.31	123.83	123.45	125.08	125.84	123.90	---	123.68	125.11	123.41	123.95	123.24
26	123.85	124.09	124.23	125.86	126.84	124.04	---	123.23	124.97	124.19	123.91	---
27	123.41	125.06	123.82	125.61	126.74	123.36	124.13	123.43	125.10	126.15	123.88	123.90
28	123.22	126.00	123.26	125.49	126.31	123.57	---	123.61	126.49	125.21	123.88	---
29	123.22	125.12	124.30	125.07	126.00	124.47	---	123.75	125.91	124.88	123.31	---
30	123.17	124.72	124.43	125.21	---	124.27	124.12	123.71	125.88	124.70	123.75	---
31	123.16	---	124.97	124.71	---	123.71	---	125.02	---	123.82	123.78	---
MEAN	---	123.93	124.24	124.90	127.63	---	---	123.84	---	---	123.83	---
MAX	---	126.00	125.01	126.65	143.02	---	---	125.02	---	---	124.25	---
MIN	---	123.16	123.26	123.68	124.42	---	---	123.18	---	---	123.18	---

02464000 NORTH RIVER NEAR SAMANTHA, AL

LOCATION.--Lat 33°28'45", long 87°35'50", in SW 1/4 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 mi^2.

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 NGVD of 1929. Prior to Jan. 25, 1939, nonrecording gage 40 ft downstream at same datum.

REMARKS.--Estimated daily discharges: Dec. 21, 22, July 16-19. 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 CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	1130	*12,300	*21.58	Jul 27	0700	6,660	13.55
Mar 6	1315	8,330	16.03				

Minimum discharge, 9.7 ft^3/s, Sept. 14, 15, 16, gage height, 1.45 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	40	354	443	245	501	162	187	405	758	226	35
2	51	39	274	345	229	466	150	365	188	465	174	30
3	45	38	235	294	233	524	141	260	607	304	137	24
4	43	38	360	261	201	453	135	187	1,160	224	116	22
5	42	37	418	1,340	717	420	129	154	370	191	102	21
6	40	39	329	1,650	11,100	5,980	124	130	210	157	94	28
7	40	43	270	773	7,650	3,370	123	112	158	218	85	24
8	43	47	237	526	1,370	1,170	146	98	129	230	74	20
9	44	42	212	603	871	791	163	88	105	340	66	15
10	91	36	387	548	689	586	137	82	89	183	204	13
11	129	33	540	436	582	464	268	82	77	135	147	12
12	89	35	375	370	1,790	414	452	80	68	112	100	11
13	73	35	306	321	1,530	361	342	94	157	114	83	11
14	61	34	321	288	941	321	259	98	212	100	68	10
15	51	32	287	265	2,730	305	204	92	179	82	56	9.9
16	47	34	254	236	2,540	347	175	108	147	e82	48	203
17	49	81	239	216	1,200	303	152	161	205	e84	43	947
18	86	136	212	282	784	265	135	220	153	e95	39	268
19	87	510	193	338	609	246	122	132	170	e90	36	130
20	71	272	174	278	506	222	112	104	117	78	33	91
21	59	178	e164	245	428	212	105	88	94	66	40	72
22	52	135	e161	223	355	197	100	80	81	52	41	59
23	46	113	157	207	322	182	96	74	78	44	38	51
24	44	111	224	195	308	177	92	67	111	36	36	44
25	41	126	190	498	368	170	109	61	202	28	35	39
26	43	110	166	1,130	2,270	166	547	55	179	728	67	35
27	57	1,960	155	692	1,550	162	272	50	196	4,800	51	32
28	61	2,370	150	453	882	156	170	45	944	694	48	30
29	53	834	247	360	626	154	133	48	665	317	95	27
30	48	494	1,070	319	---	182	158	64	998	217	55	25
31	43	---	682	278	---	188	---	261	---	188	42	---
TOTAL	1,785	8,032	9,343	14,413	43,626	19,455	5,413	3,727	8,454	11,212	2,479	2,338.9
MEAN	57.6	268	301	465	1,504	628	180	120	282	362	80.0	78.0
MAX	129	2,370	1,070	1,650	11,100	5,980	547	365	1,160	4,800	226	947
MIN	40	32	150	195	201	154	92	45	68	28	33	9.9
CFSM	0.26	1.20	1.35	2.08	6.75	2.81	0.81	0.54	1.26	1.62	0.36	0.35
IN.	0.30	1.34	1.56	2.40	7.28	3.25	0.90	0.62	1.41	1.87	0.41	0.39

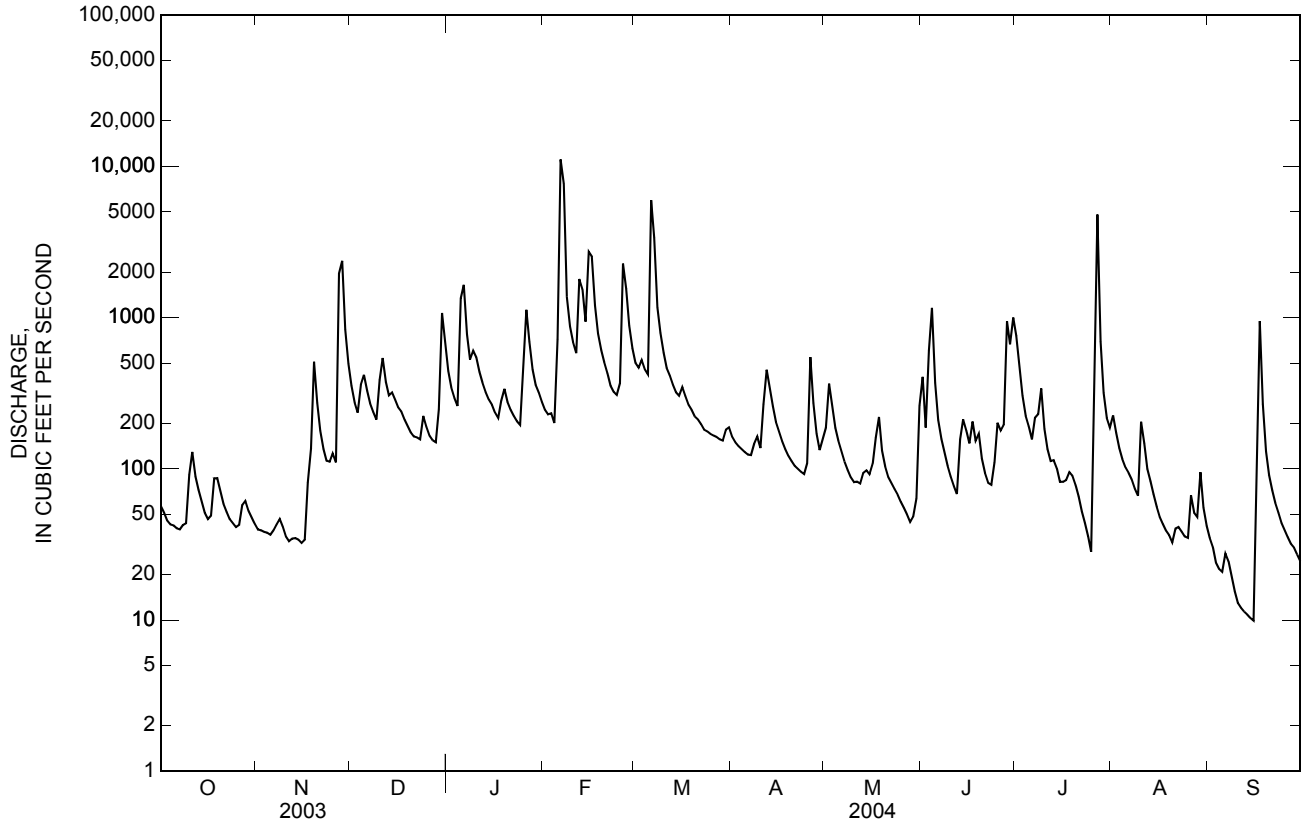
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	84.9	197	433	746	862	898	636	334	156	128	66.1	77.3
MAX	789	1,085	2,213	1,667	2,071	2,450	2,129	1,718	823	1,033	411	663
(WY)	(1976)	(1949)	(1984)	(1974)	(1990)	(1980)	(1979)	(1991)	(1989)	(1940)	(1975)	(1979)
MIN	1.50	8.72	24.8	82.0	176	134	63.9	41.8	10.0	4.23	3.27	0.34
(WY)	(2001)	(1954)	(1944)	(1944)	(2000)	(1988)	(1986)	(1941)	(1941)	(1954)	(1988)	(1954)

02464000 NORTH RIVER NEAR SAMANTHA, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	178,190		130,277.9			
ANNUAL MEAN	488		356		382	
HIGHEST ANNUAL MEAN					684	1983
LOWEST ANNUAL MEAN					109	1988
HIGHEST DAILY MEAN	7,380	Feb 22	11,100	Feb 6	22,600	Mar 20, 1970
LOWEST DAILY MEAN	14	Sep 19	9.9	Sep 15	0.10	Sep 5, 1954
ANNUAL SEVEN-DAY MINIMUM	16	Sep 14	12	Sep 9	0.14	Sep 3, 1954
MAXIMUM PEAK FLOW			12,300	Feb 6	25,500	Mar 20, 1970
MAXIMUM PEAK STAGE			21.58	Feb 6	35.08	Mar 20, 1970
ANNUAL RUNOFF (CFSM)	2.19		1.60		1.71	
ANNUAL RUNOFF (INCHES)	29.72		21.73		23.25	
10 PERCENT EXCEEDS	1,280		690		888	
50 PERCENT EXCEEDS	207		157		117	
90 PERCENT EXCEEDS	43		38		11	

e Estimated



02464146 TURKEY CREEK NEAR TUSCALOOSA, AL

LOCATION.--Lat 33°24'48", long 87°30'38", in NE $^1/_4$ 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 mi^2.

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. Elevation of gage is 270 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 5	2100	*1,070	*7.19	Jun 26	1730	328	4.75
Mar 6	0230	571	5.68	Sep 16	1345	402	5.05

Minimum discharge, 1.3 ft^3/s, Aug. 8, 9, Sept. 2, gage height, 2.48 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

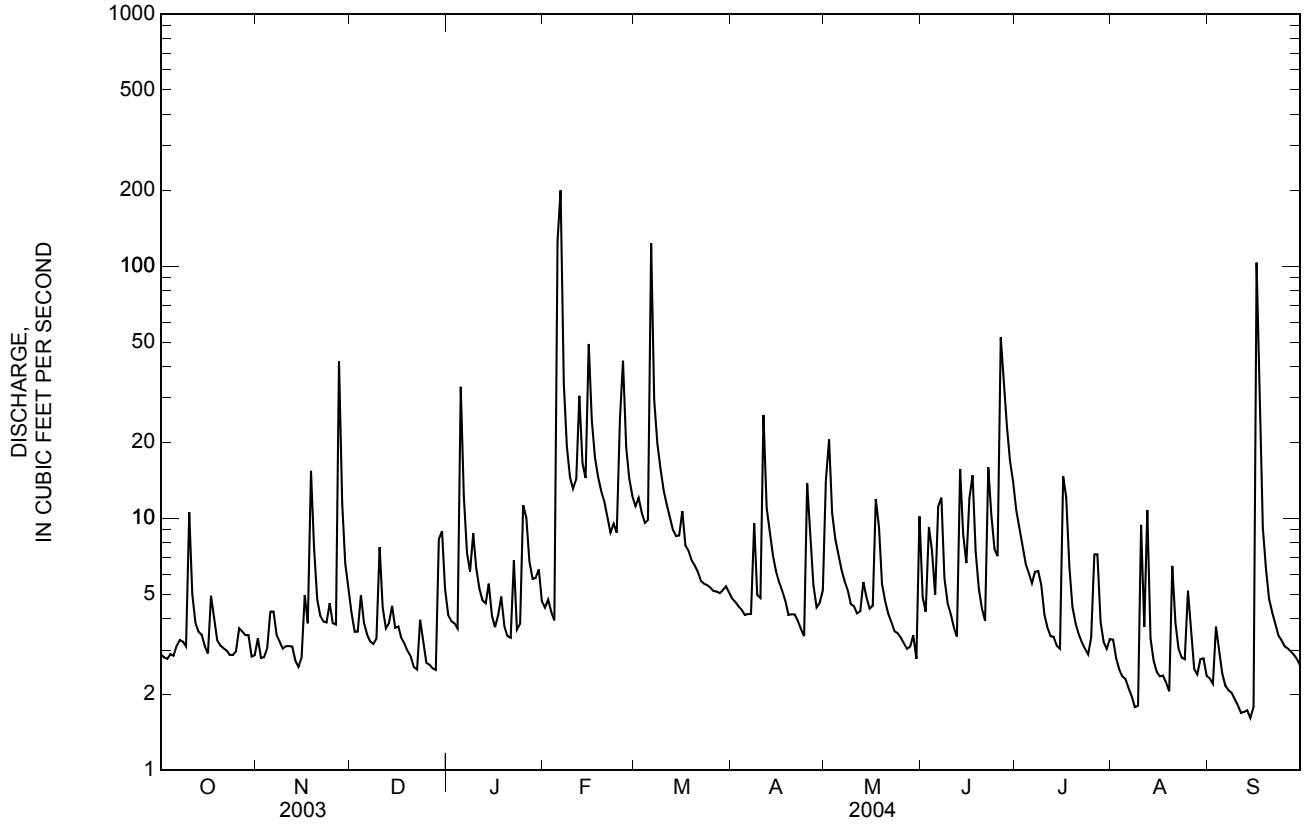
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	3.3	4.2	4.1	4.4	11	4.8	14	4.9	11	3.3	2.3
2	2.8	2.8	3.5	3.9	4.8	12	4.7	21	4.3	9.1	2.8	2.2
3	2.8	2.8	3.5	3.8	4.2	11	4.5	11	9.2	7.8	2.5	3.7
4	2.9	3.0	5.0	3.6	3.9	9.6	4.3	8.3	7.4	6.6	2.4	3.0
5	2.8	4.3	3.9	33	126	9.8	4.1	7.2	5.0	6.1	2.3	2.4
6	3.1	4.3	3.5	12	200	123	4.2	6.2	11	5.5	2.1	2.2
7	3.3	3.4	3.2	7.3	34	30	4.2	5.6	12	6.1	2.0	2.1
8	3.2	3.2	3.2	6.1	19	20	9.6	5.2	5.8	6.2	1.8	2.0
9	3.1	3.0	3.3	8.7	15	16	5.0	4.6	4.6	5.4	1.8	1.9
10	11	3.1	7.7	6.3	13	13	4.8	4.5	4.2	4.1	9.4	1.8
11	5.0	3.1	4.4	5.2	14	11	26	4.2	3.7	3.7	3.7	1.7
12	3.8	3.1	3.7	4.7	31	10	11	4.3	3.4	3.4	11	1.7
13	3.6	2.7	3.8	4.6	17	9.0	8.8	5.6	16	3.4	3.3	1.7
14	3.4	2.6	4.5	5.5	14	8.5	7.1	4.9	8.7	3.1	2.7	1.6
15	3.1	2.8	3.7	4.1	49	8.5	6.2	4.4	6.6	3.0	2.5	1.8
16	2.9	5.0	3.7	3.7	24	11	5.6	4.5	12	15	2.4	103
17	4.9	3.8	3.3	4.1	17	7.8	5.2	12	15	12	2.4	21
18	4.0	15	3.2	4.9	15	7.4	4.7	9.2	7.4	6.4	2.2	9.2
19	3.3	7.7	3.0	3.7	13	6.8	4.1	5.5	5.2	4.5	2.1	6.3
20	3.1	4.8	2.8	3.4	12	6.5	4.2	4.7	4.4	3.8	6.5	4.8
21	3.0	4.1	2.6	3.4	10	6.1	4.2	4.2	3.9	3.5	3.8	4.2
22	3.0	3.9	2.5	6.8	8.8	5.6	3.9	3.9	16	3.2	3.0	3.8
23	2.9	3.9	4.0	3.6	9.5	5.5	3.6	3.6	10	3.0	2.8	3.4
24	2.9	4.6	3.2	3.8	8.8	5.4	3.4	3.5	7.6	2.9	2.8	3.3
25	3.0	3.8	2.7	11	25	5.3	14	3.4	7.1	3.4	5.2	3.1
26	3.7	3.8	2.6	10	42	5.1	8.6	3.2	52	7.2	3.6	3.0
27	3.6	42	2.5	6.7	19	5.1	5.4	3.0	36	7.2	2.5	3.0
28	3.4	11	2.5	5.7	14	5.0	4.4	3.1	23	3.9	2.4	2.9
29	3.4	6.6	8.2	5.8	12	5.2	4.6	3.4	17	3.2	2.8	2.8
30	2.8	5.3	8.9	6.3	---	5.4	5.2	2.8	14	3.0	2.8	2.6
31	2.9	---	5.2	4.7	---	5.1	---	10	---	3.3	2.4	---
TOTAL	109.6	172.8	122.0	200.5	779.4	400.7	190.4	191.0	337.4	170.0	103.3	208.5
MEAN	3.54	5.76	3.94	6.47	26.9	12.9	6.35	6.16	11.2	5.48	3.33	6.95
MAX	11	42	8.9	33	200	123	26	21	52	15	11	103
MIN	2.8	2.6	2.5	3.4	3.9	5.0	3.4	2.8	3.4	2.9	1.8	1.6
CFSM	0.57	0.94	0.64	1.05	4.36	2.10	1.03	1.00	1.83	0.89	0.54	1.13
IN.	0.66	1.04	0.74	1.21	4.71	2.42	1.15	1.15	2.04	1.03	0.62	1.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)

MEAN	3.69	7.03	12.7	17.7	18.4	17.0	13.6	9.77	7.69	5.80	3.22	3.99
MAX	8.54	13.6	59.3	31.3	45.8	25.6	37.5	36.9	25.0	15.1	7.07	19.7
(WY)	(2002)	(1996)	(1984)	(1990)	(1990)	(2001)	(2000)	(1983)	(2003)	(1996)	(2001)	(2001)
MIN	1.34	2.02	3.05	6.47	4.95	5.43	5.25	1.81	0.80	1.73	0.92	0.97
(WY)	(1988)	(1982)	(1988)	(2004)	(2000)	(1992)	(1992)	(1988)	(1988)	(1981)	(1988)	(1981)

02464146 TURKEY CREEK NEAR TUSCALOOSA, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004	
ANNUAL TOTAL	4,880.1		2,985.6			
ANNUAL MEAN	13.4		8.16		10.1	
HIGHEST ANNUAL MEAN					16.1	1983
LOWEST ANNUAL MEAN					3.57	1988
HIGHEST DAILY MEAN	164	Mar 6	200	Feb 6	819	Dec 3, 1983
LOWEST DAILY MEAN	2.2	Sep 16	1.6	Sep 14	0.55	Jun 29, 1988
ANNUAL SEVEN-DAY MINIMUM	2.3	Sep 13	1.7	Sep 9	0.61	Aug 27, 1988
MAXIMUM PEAK FLOW			1,070	Feb 5	3,500	Dec 3, 1983
MAXIMUM PEAK STAGE			7.19	Feb 5	11.98	Dec 3, 1983
ANNUAL RUNOFF (CFSM)	2.17		1.32		1.64	
ANNUAL RUNOFF (INCHES)	29.47		18.03		22.30	
10 PERCENT EXCEEDS	31		14		21	
50 PERCENT EXCEEDS	7.7		4.4		5.0	
90 PERCENT EXCEEDS	2.9		2.7		1.7	



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 mi^2.

PERIOD OF RECORD.--October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 230 ft. above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Aug. 5, 6. Water-discharge records are 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.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0445	*5,230	*13.66	Jul 27	0545	1,460	11.38
Mar 6	0915	2,160	12.04				

Minimum discharge, 20 ft^3/s, Sept. 11, 12, 14, minimum gage height, 3.72 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	37	76	82	57	104	57	83	115	164	89	27
2	32	38	68	74	61	116	53	317	90	111	56	25
3	31	37	66	70	67	123	50	103	146	85	43	24
4	32	37	102	67	58	97	48	69	335	66	38	27
5	31	39	86	328	136	92	47	57	130	66	e35	27
6	32	47	69	246	3,030	1,080	46	48	75	52	e32	24
7	33	43	62	124	673	478	46	43	70	66	29	22
8	34	40	59	99	301	217	83	39	61	60	29	21
9	34	38	58	150	194	158	64	37	49	64	28	21
10	194	37	121	108	168	125	51	36	43	47	45	20
11	152	37	94	86	156	106	192	36	39	41	45	20
12	68	37	71	78	383	95	147	38	36	38	49	20
13	51	38	68	74	219	86	97	74	96	63	35	20
14	45	36	88	71	164	82	78	58	358	45	30	20
15	42	36	73	69	501	84	65	45	187	37	27	21
16	40	48	66	65	359	137	58	127	181	35	26	163
17	54	69	62	65	193	99	52	164	216	57	25	257
18	65	103	58	83	150	80	49	358	122	70	25	80
19	48	165	55	72	127	74	46	107	79	43	24	42
20	42	84	52	62	113	70	45	70	60	35	24	33
21	40	60	50	58	100	66	44	54	51	32	30	30
22	39	51	50	56	89	61	43	47	52	30	37	28
23	38	47	61	54	94	59	41	43	72	29	34	27
24	37	58	79	55	102	58	40	40	87	29	33	26
25	37	57	61	146	140	58	93	39	115	38	38	26
26	45	49	54	133	514	57	189	37	98	126	40	25
27	47	367	51	85	226	56	76	35	183	844	35	25
28	42	389	50	69	145	55	52	34	241	161	31	25
29	40	142	128	65	117	55	45	39	187	77	37	24
30	38	91	253	64	---	69	63	40	115	56	29	23
31	37	---	110	60	---	63	---	133	---	70	28	---
TOTAL	1,533	2,357	2,401	2,918	8,637	4,160	2,060	2,450	3,689	2,737	1,106	1,173
MEAN	49.5	78.6	77.5	94.1	298	134	68.7	79.0	123	88.3	35.7	39.1
MAX	194	389	253	328	3,030	1,080	192	358	358	844	89	257
MIN	31	36	50	54	57	55	40	34	36	29	24	20
CFSM	0.86	1.37	1.35	1.65	5.21	2.35	1.20	1.38	2.15	1.54	0.62	0.68
IN.	1.00	1.53	1.56	1.90	5.62	2.71	1.34	1.59	2.40	1.78	0.72	0.76

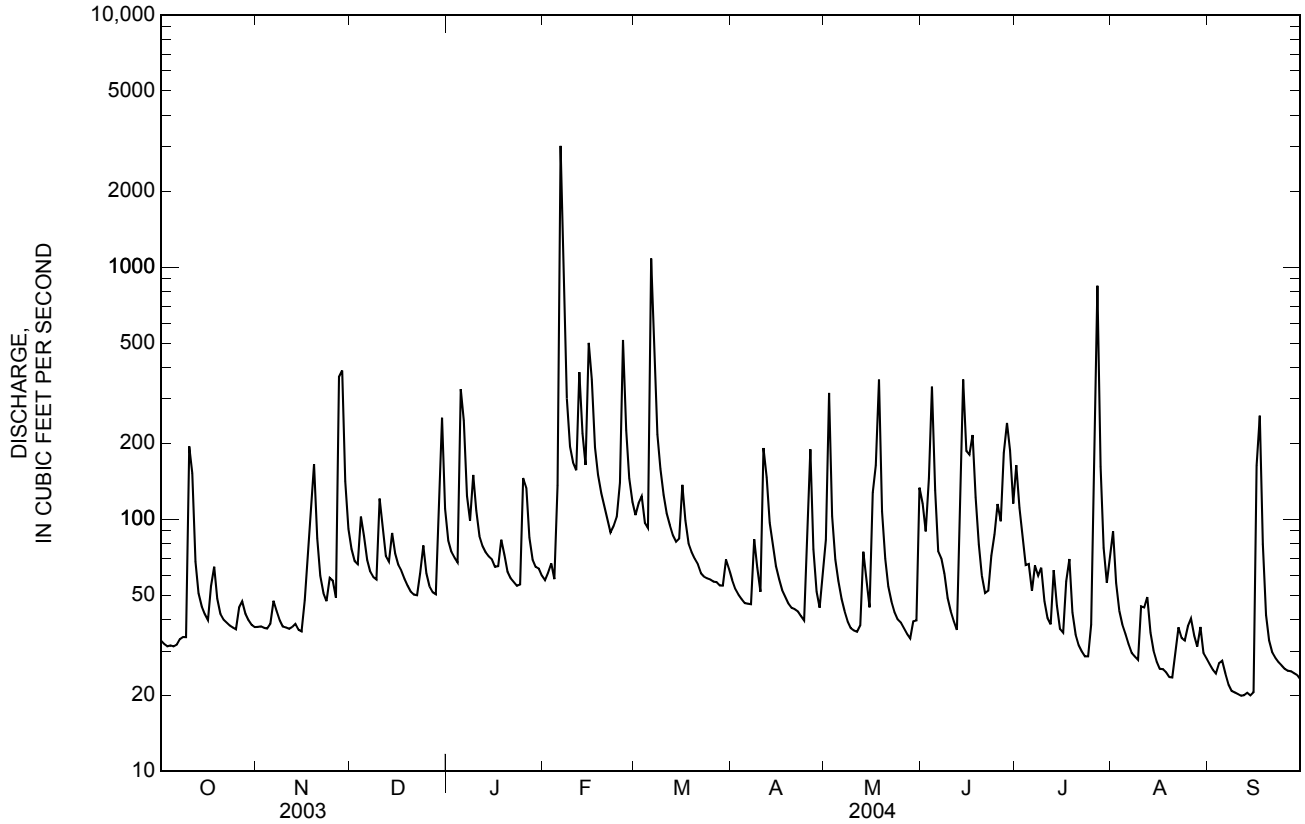
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

MEAN	43.9	74.0	93.7	157	170	150	116	75.0	72.3	63.9	32.5	38.3
MAX	142	131	188	290	375	228	287	293	242	183	60.9	103
(WY)	(2002)	(1996)	(2002)	(1999)	(1990)	(1990)	(1991)	(1991)	(1989)	(1989)	(1996)	(2001)
MIN	14.1	34.3	38.2	68.4	44.8	48.2	50.8	17.9	10.8	11.2	12.5	9.62
(WY)	(2001)	(1988)	(2001)	(1988)	(2000)	(1988)	(1987)	(1988)	(1988)	(2000)	(1987)	(2000)

02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004	
ANNUAL TOTAL	42,680		35,221			
ANNUAL MEAN	117		96.2		90.1	
HIGHEST ANNUAL MEAN					124	2003
LOWEST ANNUAL MEAN					38.8	1988
HIGHEST DAILY MEAN	1,470	Feb 22	3,030	Feb 6	3,030	Feb 6, 2004
LOWEST DAILY MEAN	22	Sep 20	20	Sep 10	6.2	Aug 31, 2000
ANNUAL SEVEN-DAY MINIMUM	24	Sep 14	20	Sep 8	6.7	Aug 20, 2000
MAXIMUM PEAK FLOW			5,230	Feb 6	7,230	Feb 16, 1990
MAXIMUM PEAK STAGE			13.66	Feb 6	15.19	Feb 16, 1990
ANNUAL RUNOFF (CFSM)	2.04		1.68		1.57	
ANNUAL RUNOFF (INCHES)	27.76		22.91		21.39	
10 PERCENT EXCEEDS	232		164		175	
50 PERCENT EXCEEDS	65		58		50	
90 PERCENT EXCEEDS	35		29		19	

e Estimated



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 mi^2.

PERIOD OF RECORD.--October 1982 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 229.96 ft, Dec. 3, 1983; minimum elevation, 219.49 ft, Nov. 6, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 227.42 ft, Feb. 6, 7; minimum elevation, 00:00:00 ft, Sept. 15.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223.46	223.38	223.99	223.94	223.70	224.07	223.57	223.65	223.62	224.13	223.74	223.37
2	223.42	223.38	223.85	223.86	223.67	224.03	223.56	224.02	223.64	224.05	223.68	223.36
3	223.39	223.37	223.76	223.80	223.67	224.00	223.55	224.00	223.72	223.94	223.61	223.35
4	223.37	223.37	---	223.76	223.64	223.95	223.54	223.86	224.05	223.84	223.54	223.35
5	223.37	223.38	---	---	223.73	223.91	223.51	223.75	224.05	223.75	223.50	223.34
6	223.36	223.41	223.75	224.49	226.67	225.14	223.50	223.68	223.89	223.69	223.45	223.34
7	223.36	223.41	223.71	224.34	227.09	225.75	223.49	223.62	223.80	223.65	223.40	223.34
8	223.37	223.39	---	224.14	225.64	224.97	223.57	223.58	223.71	223.65	223.37	223.30
9	223.36	223.37	223.64	224.08	224.76	224.50	223.59	223.54	223.64	223.69	223.35	223.28
10	223.55	223.36	223.69	224.02	224.40	224.22	223.59	223.50	223.58	223.68	223.45	223.27
11	223.72	223.35	223.77	223.94	224.21	224.06	223.75	223.47	223.52	223.62	223.58	223.25
12	223.68	223.35	223.77	223.87	224.38	223.96	223.86	223.47	223.48	223.58	223.67	223.23
13	223.61	223.36	223.75	223.82	224.56	223.88	223.86	223.51	223.59	223.55	223.61	223.22
14	223.56	223.33	223.74	223.78	224.41	223.82	223.81	223.53	223.87	223.53	223.53	223.21
15	223.51	223.32	223.72	223.75	224.60	223.79	223.75	223.52	223.86	223.49	223.47	223.20
16	223.47	223.35	223.70	223.71	225.05	223.80	223.69	223.53	223.81	223.48	223.42	223.56
17	223.47	223.41	223.67	223.69	224.73	223.79	223.65	223.58	223.98	223.51	223.39	224.03
18	223.49	223.50	223.64	---	224.41	223.75	223.62	223.78	223.91	223.54	223.37	224.01
19	223.48	223.74	223.61	223.73	224.20	223.73	223.59	223.76	223.81	223.51	223.34	223.81
20	223.47	223.77	223.59	223.70	224.08	223.69	223.56	223.68	223.71	223.47	223.33	223.67
21	223.45	223.71	223.56	223.67	223.99	223.68	223.54	223.60	223.62	223.44	223.36	223.58
22	223.44	223.65	223.55	223.65	223.91	223.63	223.52	223.54	223.60	223.41	223.36	223.52
23	223.42	223.60	223.56	223.63	223.86	223.60	223.52	223.49	223.67	223.39	223.36	223.48
24	223.41	223.59	223.59	223.61	223.84	223.58	223.50	223.46	223.65	223.37	223.35	223.45
25	223.39	223.54	223.60	223.70	223.87	223.57	223.54	223.43	223.66	223.36	223.35	223.42
26	223.41	223.52	223.58	223.94	224.42	223.57	223.73	223.40	223.71	223.54	223.35	223.41
27	223.40	223.86	223.56	224.02	224.65	223.57	223.78	223.37	223.89	224.77	223.36	223.39
28	223.39	224.70	223.55	223.93	224.43	223.56	223.70	223.36	224.06	224.73	223.37	223.37
29	223.39	224.48	223.59	223.85	224.22	223.56	223.64	223.36	224.14	224.22	223.41	223.36
30	223.38	224.18	223.88	223.79	---	223.58	223.62	223.34	224.12	223.93	223.41	223.34
31	223.38	---	224.00	223.75	---	223.59	---	223.45	---	223.78	223.39	---
MEAN	223.45	223.57	---	---	224.44	223.95	223.62	223.58	223.78	223.72	223.45	223.43
MAX	223.72	224.70	---	---	227.09	225.75	223.86	224.02	224.14	224.77	223.74	224.03
MIN	223.36	223.32	---	---	223.64	223.56	223.49	223.34	223.48	223.36	223.33	223.20

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 NW $^1/_4$ 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 mi^2.

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 at NGVD of 1929 (levels by U.S. Army Corps of Engineers). Gage-height records from July 1, 1992 to September 30, 1999 are at a datum of 82.30 ft above NGVD of 1929. Gage-height records published prior to July 1, 1991 are at datum 83.35 ft above NGVD of 1929. See WSP 2106 for history of changes prior to Mar. 19, 1951. Mar. 20, 1951 to Feb. 13, 1974, water-stage recorder 0.35 mi upstream on pier of former bridge at 83.35 ft 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: June 21-23. Water-discharge records fair except those below 6,000 ft^3/s and those estimated, 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 194,000 ft^3/s, Feb. 7, gage height, 140.08 ft; minimum discharge, 34 ft^3/s, Oct. 30, gage height, 123.04 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	337	170	5,690	3,950	6,510	13,300	3,160	4,030	7,170	13,200	4,090	2,680
2	246	207	3,540	7,210	4,960	12,800	3,870	8,260	4,670	11,400	4,060	3,440
3	1,690	246	5,200	2,490	5,370	13,200	1,590	5,800	6,120	9,850	3,600	2,730
4	378	3,620	7,520	1,700	6,540	13,000	494	6,400	5,970	8,700	3,940	401
5	302	4,350	5,980	11,100	10,200	12,800	2,460	3,990	5,010	8,780	3,280	918
6	5,120	3,800	4,650	18,000	156,000	49,600	2,220	3,800	3,660	9,510	2,670	248
7	310	3,400	1,530	14,700	129,000	50,600	1,640	2,020	6,640	8,960	1,180	3,880
8	2,420	248	4,700	11,900	83,400	29,700	2,900	2,830	2,720	6,880	329	1,950
9	2,210	170	6,490	10,000	25,300	23,500	3,230	3,620	2,490	6,670	4,440	2,770
10	3,460	2,780	5,330	10,400	16,100	18,700	2,570	758	4,320	4,910	3,100	3,760
11	1,870	1,880	4,270	8,540	14,300	14,800	8,820	207	4,690	4,230	4,190	509
12	2,950	785	7,950	9,690	20,500	12,900	5,890	286	316	5,430	4,500	223
13	492	2,730	5,020	8,530	23,000	12,800	5,490	1,690	5,750	4,850	3,930	2,320
14	1,450	2,600	3,650	5,330	17,200	12,800	6,770	4,530	7,240	3,830	2,340	3,820
15	304	332	4,590	4,210	22,900	12,200	7,080	2,740	5,640	4,640	364	9,120
16	230	202	4,300	6,240	30,300	9,720	6,200	3,330	7,320	4,900	207	17,400
17	409	1,040	4,140	4,780	21,600	9,910	4,360	3,300	9,140	4,820	170	31,600
18	296	4,700	3,850	3,510	16,300	8,100	604	2,690	6,360	3,270	2,430	21,500
19	291	5,450	3,160	1,440	14,400	6,140	3,640	3,440	2,730	4,080	3,020	12,500
20	2,590	2,870	2,030	4,570	13,300	6,300	2,800	2,760	1,890	3,780	4,420	6,500
21	2,900	2,530	481	5,200	13,100	4,550	3,380	2,940	e3,640	3,520	2,010	4,120
22	2,050	2,510	3,970	5,340	12,700	4,810	2,190	807	e4,170	3,930	281	3,640
23	358	1,940	4,300	4,790	12,600	3,960	2,120	1,800	e6,210	4,150	3,080	4,550
24	3,050	2,700	2,700	5,490	12,600	2,410	3,110	2,600	6,760	4,870	4,030	3,090
25	350	2,300	741	8,550	12,600	2,910	3,410	2,500	8,900	976	3,200	297
26	2,470	3,600	4,060	12,700	19,000	3,550	5,730	543	8,120	4,260	2,990	960
27	775	9,020	2,190	11,200	18,400	730	3,030	1,080	8,820	15,100	3,080	2,750
28	255	13,900	233	10,600	15,700	1,420	3,040	1,870	16,900	9,410	3,000	3,080
29	249	8,710	4,620	8,320	13,700	5,140	3,140	2,600	13,300	7,640	306	3,830
30	170	6,420	4,960	9,170	---	4,250	4,060	2,190	13,000	6,700	2,320	2,170
31	267	---	7,840	6,550	---	1,960	---	8,310	---	2,510	2,460	---
TOTAL	40,249	95,210	129,685	236,200	767,580	378,560	108,998	93,721	189,666	195,756	83,017	156,756
MEAN	1,298	3,174	4,183	7,619	26,470	12,210	3,633	3,023	6,322	6,315	2,678	5,225
MAX	5,120	13,900	7,950	18,000	156,000	50,600	8,820	8,310	16,900	15,100	4,500	31,600
MIN	170	170	233	1,440	4,960	730	494	207	316	976	170	223
CFSM	0.27	0.66	0.87	1.58	5.49	2.53	0.75	0.63	1.31	1.31	0.56	1.08
IN.	0.31	0.73	1.00	1.82	5.92	2.92	0.84	0.72	1.46	1.51	0.64	1.21

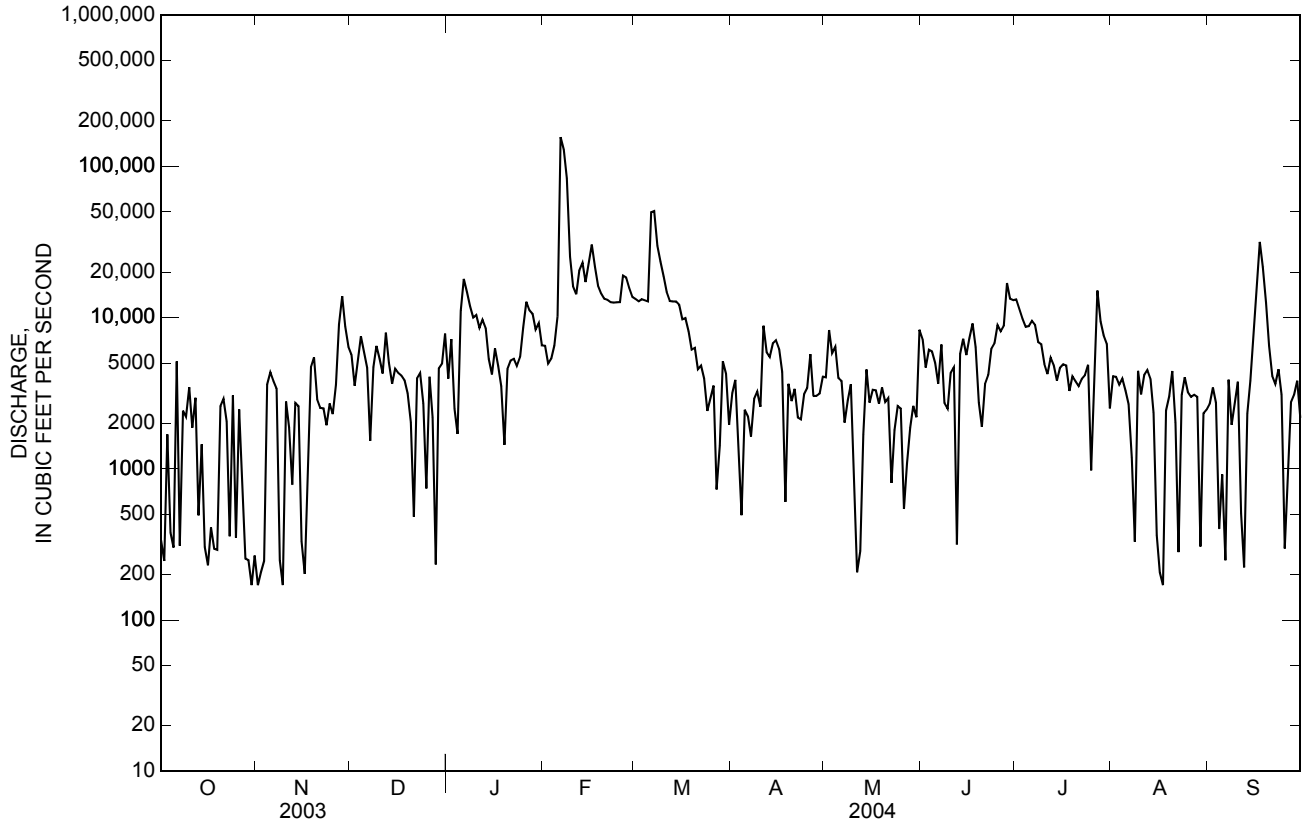
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2004, BY WATER YEAR (WY)

MEAN	2,222	4,198	8,430	14,640	16,900	18,750	13,550	6,885	3,747	3,433	2,394	2,171
MAX	17,330	39,740	35,810	39,310	44,360	52,890	52,940	33,030	30,320	22,680	8,603	10,350
(WY)	(1933)	(1930)	(1933)	(1949)	(1990)	(1897)	(1900)	(2003)	(1900)	(1940)	(1941)	(2001)
MIN	93.4	115	858	1,154	3,232	3,626	1,236	1,010	303	288	361	139
(WY)	(1898)	(1898)	(1944)	(1956)	(2000)	(1898)	(1986)	(1941)	(1898)	(1952)	(1953)	(1954)

02465000 BLACK WARRIOR RIVER AT OLIVER LOCK AND DAM AT NORTHPORT, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1895 - 2004	
ANNUAL TOTAL	3,660,652		2,475,398			
ANNUAL MEAN	10,030		6,763		7,992	
HIGHEST ANNUAL MEAN					13,140	1949
LOWEST ANNUAL MEAN					3,305	1988
HIGHEST DAILY MEAN	105,000	May 8	156,000	Feb 6	233,000	Apr 13, 1979
LOWEST DAILY MEAN	170	Oct 30	170	Oct 30	20	Oct 16, 1987
ANNUAL SEVEN-DAY MINIMUM	223	Oct 28	223	Oct 28	46	Jul 23, 1952
MAXIMUM PEAK FLOW			194,000	Feb 7	272,000	Apr 13, 1979
MAXIMUM PEAK STAGE			140.08	Feb 7	151.05	Apr 18, 1900
ANNUAL RUNOFF (CFSM)	2.08		1.40		1.66	
ANNUAL RUNOFF (INCHES)	28.25		19.10		22.53	
10 PERCENT EXCEEDS	23,100		13,200		18,900	
50 PERCENT EXCEEDS	5,330		4,010		3,410	
90 PERCENT EXCEEDS	876		407		474	

e Estimated



02465005 BLACK WARRIOR RIVER BELOW OLIVER LOCK AND DAM AT TUSCALOOSA, AL

LOCATION.--Lat 33°12'28", long 87°35'36", in NW $^1/_4$ 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 mi^2.

PERIOD OF RECORD.--August 1939 to current year (elevations 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 at NGVD of 1929 (levels by U.S. Army Corps of Engineers). Records published prior to October 1, 1999 are at datum 82.30 ft above NGVD of 1929. April 19, 1944 to June 19, 1991, water-stage recorder 0.3 mi upstream on downstream side of "old" Oliver Lock and Dam at former datum. Prior to April 19, 1944, nonrecording gage at former site at former datum.

EXTREMES (0700) FOR PERIOD OF RECORD.--Maximum elevation, 149.00 ft (NGVD of 1929), Feb. 22, 1961; minimum elevation, 92.30 ft(NGVD of 1929), many days in October and November 1953, September 1954 and 1955.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 137.81 ft, Feb. 7; minimum elevation, 95.65 ft, Oct. 8.

ELEVATION, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96.03	95.87	98.82	98.69	99.11	104.27	97.25	97.58	99.20	103.05	97.43	97.19
2	96.02	95.82	97.46	98.69	98.33	104.00	97.48	99.86	98.31	102.70	97.63	97.42
3	96.33	95.82	97.75	97.56	98.49	104.01	96.82	---	98.48	100.88	97.45	97.25
4	96.35	96.75	99.29	96.80	98.91	104.02	95.93	---	98.71	100.63	97.56	96.87
5	96.00	97.76	98.67	100.19	100.22	103.85	96.92	97.64	98.44	100.38	97.45	96.58
6	97.60	97.42	98.24	105.42	131.62	115.51	96.61	97.37	97.44	100.66	97.13	96.39
7	96.52	97.31	96.97	104.30	135.72	121.90	96.60	96.85	98.42	100.62	96.75	97.24
8	96.17	96.28	97.45	103.26	130.72	116.08	97.37	96.91	97.70	99.66	96.40	97.05
9	---	95.78	98.37	101.39	120.75	112.38	97.61	97.22	96.94	99.20	97.28	97.18
10	97.06	96.35	98.55	101.65	114.10	108.73	97.15	96.58	97.56	98.24	97.59	97.49
11	97.00	96.69	98.00	101.04	109.85	105.94	100.18	95.82	97.89	97.88	97.90	96.96
12	96.70	96.37	99.07	100.80	108.77	104.29	99.79	95.88	96.65	97.93	97.88	96.62
13	96.21	96.46	98.93	100.92	109.94	103.79	99.51	96.33	97.55	98.14	97.79	96.77
14	96.17	96.91	97.35	99.20	108.15	103.60	99.10	97.48	99.68	97.74	97.13	97.47
15	96.00	96.14	97.70	97.89	108.08	103.46	99.51	97.15	98.58	97.72	96.81	99.52
16	95.79	95.91	97.94	98.73	112.55	101.76	98.87	96.93	99.04	97.62	96.44	102.99
17	95.90	96.08	97.46	98.15	110.18	101.77	98.25	96.82	100.03	97.83	96.21	110.83
18	95.98	97.59	97.63	97.66	107.47	100.99	96.84	96.75	99.44	97.62	96.61	109.75
19	95.91	98.40	97.25	96.86	105.56	99.72	97.01	97.05	97.57	97.54	97.30	104.69
20	96.40	97.50	96.57	97.39	104.45	99.18	97.28	96.80	96.81	97.62	97.82	100.55
21	97.13	97.01	96.31	98.05	104.07	98.34	97.33	96.70	---	97.48	97.12	97.92
22	96.68	96.80	97.11	98.32	103.75	98.15	96.95	96.25	---	97.58	96.83	97.65
23	96.23	96.77	97.66	98.12	103.66	98.02	96.79	95.83	---	97.63	97.18	97.82
24	96.58	96.73	96.89	98.11	103.73	97.16	96.95	96.43	98.37	98.04	97.64	97.49
25	96.26	97.17	96.67	99.75	103.74	97.01	97.33	96.83	100.36	96.80	97.42	96.87
26	96.42	97.26	97.25	102.49	106.68	97.51	98.42	96.35	99.75	97.38	97.35	96.54
27	96.60	99.18	97.06	102.57	107.65	96.73	97.44	96.12	100.19	102.23	97.41	96.77
28	95.91	103.36	96.10	101.38	106.14	96.20	97.16	96.72	103.60	101.66	97.33	97.31
29	95.93	101.39	97.56	100.94	104.78	97.90	97.13	96.98	104.04	99.73	96.88	97.52
30	95.94	99.60	97.90	100.51	---	98.11	97.42	96.94	103.15	99.09	96.99	97.14
31	95.89	---	99.47	99.72	---	96.86	---	99.31	---	97.61	97.17	---
MEAN	---	97.28	97.72	99.89	108.87	102.94	97.63	---	---	99.00	97.22	98.66
MAX	---	103.36	99.47	105.42	135.72	121.90	100.18	---	---	103.05	97.90	110.83
MIN	---	95.78	96.10	96.80	98.33	96.20	95.93	---	---	96.80	96.21	96.39

02465292 CRIBBS MILL CREEK AT WASTEWATER PLANT AT TUSCALOOSA, AL

LOCATION.--Lat 33°10'30", long 87°33'50", in SE $^1/_4$ sec. 34, T. 21 S., R. 10 W., Tuscaloosa County Hydrologic Unit 03160113, on right bank, at Hillard R. Fletcher Sewage Treatment Plant, 0.1 mi downstream of Kauloosa Avenue, 2 mi south of Tuscaloosa, at mile 2.5.

DRAINAGE AREA.--10.7 mi^2.

PERIOD OF RECORD.--July 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 140 ft. above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 11, Jan. 26 - Feb. 2, Feb. 19-23, Mar. 1-3. 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.--Peak discharges greater than base discharge of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0000	*7,270	*11.97	Apr 11	0300	1,800	8.46

Minimum discharge, 3.6 ft^3/s, Sept. 9, 13, gage height, 1.29 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	11	12	12	e10	e13	23	33	8.6	8.4	7.5	4.0
2	8.7	11	11	12	e11	e17	23	37	7.3	8.8	7.3	4.0
3	8.9	11	11	12	8.2	e14	23	11	82	8.8	7.2	4.0
4	9.1	11	17	13	8.0	17	23	9.2	24	12	7.2	4.0
5	9.1	12	11	91	516	17	24	8.9	13	8.1	7.1	4.0
6	9.1	12	11	13	771	146	22	8.7	12	7.6	7.0	4.0
7	9.1	11	11	10	32	29	49	8.5	28	94	7.0	4.1
8	9.5	11	11	15	22	25	157	8.4	12	37	7.0	4.1
9	e11	11	11	21	19	24	14	8.3	11	16	7.7	3.9
10	80	11	17	10	20	23	19	8.4	10	11	40	4.0
11	20	11	11	9.7	38	23	297	8.4	10	10	8.3	3.9
12	11	11	10	9.4	58	23	20	15	9.8	16	17	3.8
13	11	11	13	9.2	18	22	19	14	89	11	7.5	3.9
14	10	11	12	9.4	20	22	13	9.7	16	9.7	7.2	3.9
15	10	12	11	9.8	64	23	12	21	13	9.5	7.0	4.0
16	9.9	22	12	10	18	23	11	12	117	9.1	7.0	331
17	41	11	11	16	16	22	11	28	37	15	6.9	15
18	12	71	11	12	15	22	10	17	11	12	6.8	9.6
19	11	13	11	9.6	e13	21	10	8.3	9.8	9.2	6.7	7.2
20	10	9.8	11	9.4	e15	21	9.9	7.7	9.4	8.8	57	6.7
21	10	9.0	11	9.4	e14	23	10	7.6	9.3	8.5	12	6.6
22	10	8.9	11	9.2	e13	21	10	7.5	43	8.3	60	6.5
23	9.9	8.8	28	9.4	e15	21	11	7.3	32	8.2	14	6.5
24	10	10	13	14	15	21	10	7.3	13	8.2	11	6.4
25	10	8.8	12	42	61	21	58	7.2	12	20	12	6.4
26	11	8.5	11	e20	70	21	14	7.2	9.8	38	10	6.4
27	10	164	11	e13	19	21	9.8	7.1	14	9.9	11	6.4
28	10	17	11	e12	17	21	9.0	8.2	15	8.0	41	6.4
29	10	13	48	e13	17	21	12	8.1	9.8	7.7	5.7	6.1
30	11	12	16	e14	---	29	11	6.8	8.6	7.6	4.4	6.1
31	11	---	13	e10	---	23	---	52	---	7.6	4.2	---
TOTAL	422.0	554.8	421	479.5	1,933.2	790	944.7	408.8	696.4	454.0	421.7	492.9
MEAN	13.6	18.5	13.6	15.5	66.7	25.5	31.5	13.2	23.2	14.6	13.6	16.4
MAX	80	164	48	91	771	146	297	52	117	94	60	331
MIN	8.7	8.5	10	9.2	8.0	13	9.0	6.8	7.3	7.6	4.2	3.8
CFSM	1.27	1.73	1.27	1.45	6.23	2.38	2.94	1.23	2.17	1.37	1.27	1.54
IN.	1.47	1.93	1.46	1.67	6.72	2.75	3.28	1.42	2.42	1.58	1.47	1.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	19.2	19.8	20.1	15.6	51.3	23.9	31.6	26.6	40.4	19.8	17.6	16.7
MAX	24.8	21.1	26.7	15.6	66.7	25.5	31.8	40.1	57.5	24.9	28.4	18.2
(WY)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)
MIN	13.6	18.5	13.6	15.5	35.4	22.3	31.5	13.2	23.2	14.6	10.7	15.6
(WY)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2004)	(2004)	(2004)	(2004)	(2002)	(2003)

02465292 CRIBBS MILL CREEK AT WASTEWATER PLANT AT TUSCALOOSA, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	9,611.5		8,019.0			
ANNUAL MEAN	26.3		21.9		25.3	
HIGHEST ANNUAL MEAN					28.6	2003
LOWEST ANNUAL MEAN					21.9	2004
HIGHEST DAILY MEAN	352	Jun 14	771	Feb 6	771	Feb 6, 2004
LOWEST DAILY MEAN	8.5	Sep 30	3.8	Sep 12	3.8	Sep 12, 2004
ANNUAL SEVEN-DAY MINIMUM	8.8	Sep 29	3.9	Sep 9	3.9	Sep 9, 2004
MAXIMUM PEAK FLOW			7,270	Feb 6	7,270	Feb 6, 2004
MAXIMUM PEAK STAGE			11.97	Feb 6	11.97	Feb 6, 2004
ANNUAL RUNOFF (CFSM)	2.46		2.05		2.36	
ANNUAL RUNOFF (INCHES)	33.42		27.88		32.07	
10 PERCENT EXCEEDS	49		32		43	
50 PERCENT EXCEEDS	14		11		13	
90 PERCENT EXCEEDS	10		7.0		8.0	

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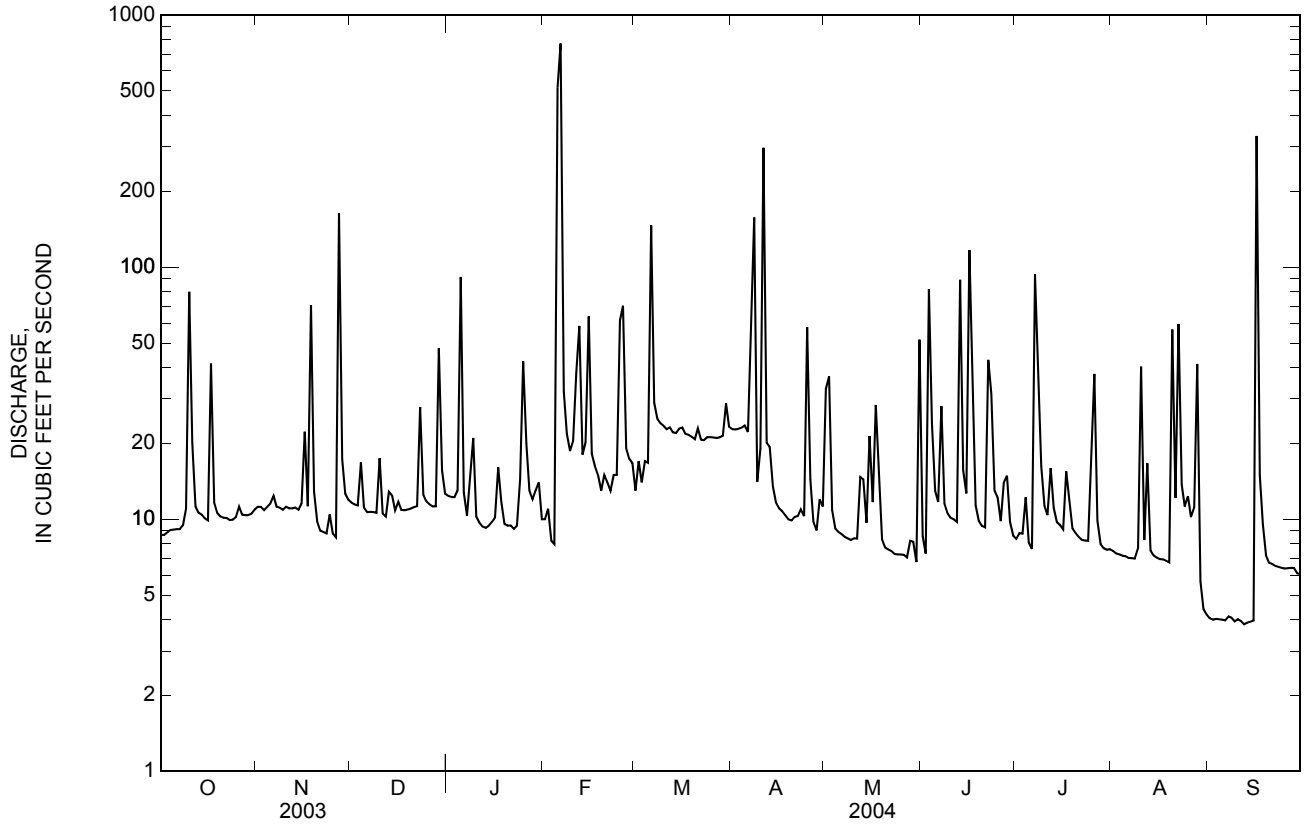

02465493 ELLIOTTS CREEK AT MOUNDVILLE, AL

LOCATION.--Lat 32°59'50", long 87°37'20", in SW 1/4 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 mi^2.

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

REVISED RECORDS.--WDR AL-84-1: Drainage area. WDR AL-00-1: 1999.

GAGE.--Water-stage recorder. Datum of gage is 147.81 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: Feb. 24, 25, June 10-15, and Sept. 4-7. 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 450 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0330	*961	*6.88

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 13 ft^3/s, on several days, minimum gage height, 1.99 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	22	32	33	27	46	26	25	41	24	17	16
2	17	23	30	30	27	47	25	36	29	22	16	15
3	17	22	29	29	27	52	25	31	24	27	15	15
4	17	23	30	29	29	45	24	25	26	26	15	e22
5	17	24	30	35	60	41	24	22	27	21	15	e21
6	17	25	28	39	604	97	23	21	21	18	15	e16
7	19	26	27	33	330	103	27	20	25	17	14	e14
8	19	25	27	30	103	55	121	19	25	19	14	14
9	19	24	27	39	68	46	118	18	21	41	20	14
10	41	24	30	39	61	42	47	18	e20	26	89	14
11	69	24	30	32	59	39	81	18	e19	19	109	13
12	44	25	28	29	91	37	80	18	e18	17	54	13
13	27	25	28	28	94	36	52	24	e19	16	26	14
14	24	26	31	28	64	34	45	22	e22	16	19	14
15	22	27	29	27	84	34	38	19	e22	16	16	14
16	22	29	28	26	85	35	34	19	23	16	15	82
17	24	30	28	27	60	33	31	18	31	22	14	165
18	28	43	28	31	52	31	29	19	22	36	14	67
19	25	69	27	29	47	30	28	18	17	35	14	26
20	22	43	26	26	45	30	27	17	16	20	19	19
21	21	27	26	25	43	29	26	17	16	17	29	17
22	21	24	26	25	40	27	25	16	23	16	36	16
23	21	24	31	25	44	27	23	16	39	16	38	16
24	21	25	41	26	e46	27	22	16	62	15	27	16
25	21	23	35	36	e50	27	36	15	34	15	23	16
26	22	23	29	55	113	27	38	15	27	22	28	16
27	22	125	28	47	101	26	31	15	39	27	20	16
28	23	173	27	33	59	26	25	15	45	22	17	15
29	23	66	31	30	50	26	22	20	29	18	19	15
30	22	38	48	29	---	27	22	20	26	16	22	15
31	22	---	46	28	---	26	---	34	---	16	17	---
TOTAL	747	1,127	941	978	2,563	1,208	1,175	626	808	654	806	746
MEAN	24.1	37.6	30.4	31.5	88.4	39.0	39.2	20.2	26.9	21.1	26.0	24.9
MAX	69	173	48	55	604	103	121	36	62	41	109	165
MIN	17	22	26	25	27	26	22	15	16	15	14	13
CFSM	0.75	1.16	0.94	0.98	2.74	1.21	1.21	0.63	0.83	0.65	0.80	0.77
IN.	0.86	1.30	1.08	1.13	2.95	1.39	1.35	0.72	0.93	0.75	0.93	0.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	27.1	34.6	42.9	58.9	70.0	69.7	60.4	36.0	27.6	25.9	19.9	21.9
MAX	55.0	53.7	87.4	118	256	169	177	114	52.3	65.5	33.6	40.8
(WY)	(1999)	(1980)	(1984)	(1998)	(1990)	(1977)	(1979)	(1983)	(1999)	(1997)	(2003)	(1977)
MIN	14.3	18.7	20.9	25.7	22.0	20.1	19.4	12.8	7.39	11.8	8.07	11.6
(WY)	(2001)	(1979)	(1988)	(1988)	(1988)	(1988)	(1986)	(1988)	(1988)	(2000)	(1988)	(2000)

02465493 ELLIOTTS CREEK AT MOUNDVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	15,983		12,379			
ANNUAL MEAN	43.8		33.8		41.1	
HIGHEST ANNUAL MEAN					69.3	1983
LOWEST ANNUAL MEAN					16.8	1988
HIGHEST DAILY MEAN	787	Apr 25	604	Feb 6	2,670	Feb 16, 1990
LOWEST DAILY MEAN	15	Sep 9	13	Sep 11	5.8	Aug 16, 1988
ANNUAL SEVEN-DAY MINIMUM	15	Sep 12	14	Sep 7	6.3	Aug 14, 1988
MAXIMUM PEAK FLOW			961	Feb 6	6,200	Feb 16, 1990
MAXIMUM PEAK STAGE			6.88	Feb 6	8.80	Feb 16, 1990
ANNUAL RUNOFF (CFSM)	1.36		1.05		1.27	
ANNUAL RUNOFF (INCHES)	18.41		14.26		17.28	
10 PERCENT EXCEEDS	76		53		73	
50 PERCENT EXCEEDS	31		26		27	
90 PERCENT EXCEEDS	19		16		14	

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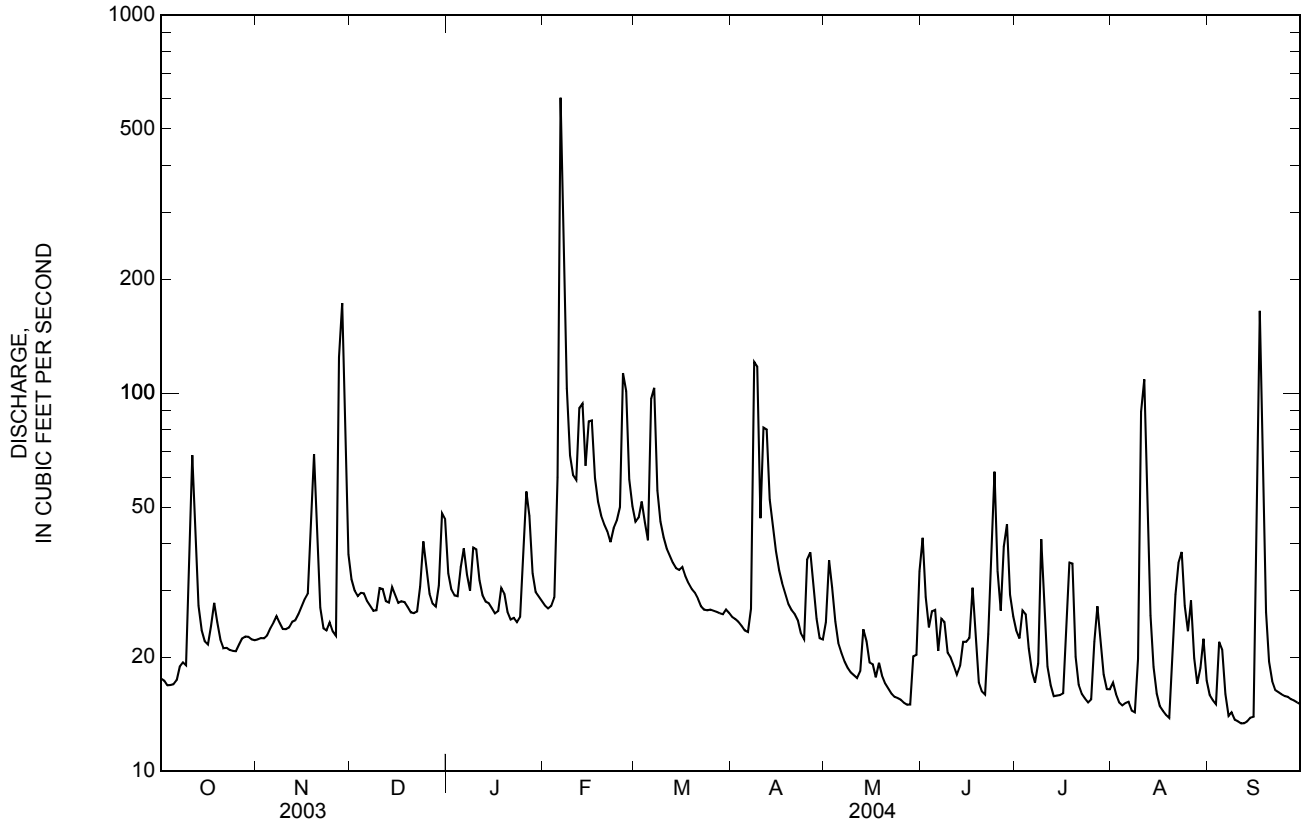


02466030 BLACK WARRIOR RIVER AT SELDEN LOCK AND DAM NEAR EUTAW, AL

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 mi^2.

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 NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharge. 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 83,100 ft^3/s, Feb. 7; minimum discharge, 160 ft^3/s, June 22.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

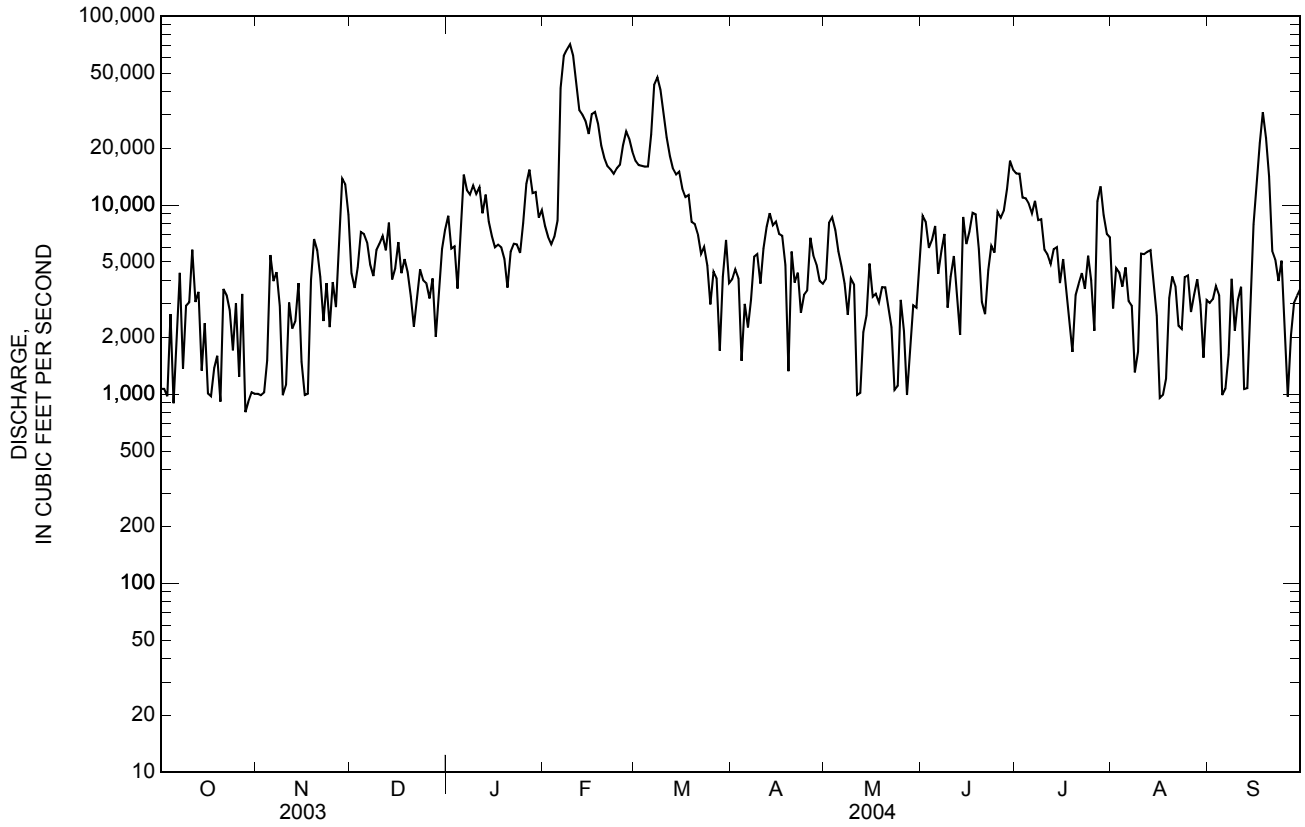
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,070	1,000	4,370	8,790	7,740	17,200	4,050	4,070	8,770	14,700	2,840	3,040
2	1,070	987	3,650	5,900	6,790	16,300	4,580	8,080	8,160	14,700	4,640	3,180
3	975	1,020	4,680	6,050	6,220	16,100	4,100	8,630	5,940	11,000	4,390	3,730
4	2,650	1,510	7,200	3,620	6,800	16,000	1,500	7,380	6,530	10,900	3,700	3,350
5	895	5,440	7,030	7,350	8,290	16,000	3,000	5,700	7,760	10,200	4,680	988
6	2,050	3,960	6,340	14,500	41,600	23,600	2,250	4,730	4,330	9,050	3,110	1,070
7	4,380	4,410	4,840	12,000	61,600	43,300	3,150	3,840	5,710	10,500	2,930	1,620
8	1,370	2,930	4,220	11,400	66,400	47,400	5,330	2,630	7,040	8,330	1,300	4,080
9	2,930	987	5,780	12,700	71,000	40,800	5,500	4,090	2,870	8,420	1,680	2,170
10	3,060	1,120	6,270	11,500	61,900	30,600	3,850	3,800	4,190	5,810	5,540	3,140
11	5,810	3,050	6,860	12,400	44,600	22,800	5,890	991	5,370	5,490	5,500	3,700
12	3,070	2,220	5,770	9,040	31,800	18,200	7,700	1,020	3,540	4,880	5,650	1,060
13	3,480	2,430	8,080	11,400	30,000	15,600	9,070	2,130	2,060	5,850	5,770	1,080
14	1,330	3,870	4,050	8,200	27,800	14,500	7,820	2,610	8,650	6,000	3,830	2,580
15	2,380	1,480	4,620	6,830	23,800	15,000	8,180	4,900	6,220	3,870	2,600	7,950
16	1,010	989	6,370	5,970	30,300	12,200	7,040	3,270	7,230	5,180	956	13,000
17	976	1,000	4,360	6,170	31,100	11,000	6,890	3,400	9,100	3,530	993	21,300
18	1,370	4,020	5,180	5,980	26,900	11,300	4,820	3,060	8,950	2,410	1,210	31,000
19	1,600	6,620	4,420	5,180	20,700	8,150	1,320	3,680	5,850	1,670	3,220	22,600
20	912	5,760	3,280	3,660	17,800	7,930	5,680	3,680	3,070	3,350	4,190	14,200
21	3,600	4,180	2,280	5,670	16,100	7,020	3,890	2,940	2,650	3,830	3,730	5,720
22	3,340	2,440	3,310	6,250	15,500	5,520	4,390	2,260	4,530	4,360	2,300	5,150
23	2,780	3,870	4,580	6,200	14,600	6,010	2,690	1,050	6,100	3,610	2,210	3,970
24	1,710	2,260	3,990	5,590	15,700	4,790	3,350	1,100	5,610	5,400	4,160	5,080
25	3,030	3,920	3,860	8,040	16,400	2,990	3,530	3,150	9,210	4,000	4,250	2,500
26	1,230	2,890	3,210	13,000	20,700	4,450	6,720	2,160	8,560	2,160	2,720	972
27	3,390	6,230	4,090	15,400	24,600	4,110	5,400	992	9,340	10,500	3,380	2,060
28	803	13,800	2,010	11,600	22,500	1,700	4,840	1,630	12,100	12,600	4,050	3,040
29	915	12,900	3,390	11,700	19,100	4,180	3,980	2,950	17,200	8,850	2,960	3,320
30	1,020	8,900	5,860	8,580	---	6,540	3,840	2,870	15,400	7,050	1,560	3,590
31	1,000	---	7,390	9,400	---	3,860	---	4,640	---	6,770	3,150	---
TOTAL	65,206	116,193	151,340	270,070	788,340	455,150	144,350	107,433	212,040	214,970	103,199	180,240
MEAN	2,103	3,873	4,882	8,712	27,180	14,680	4,812	3,466	7,068	6,935	3,329	6,008
MAX	5,810	13,800	8,080	15,400	71,000	47,400	9,070	8,630	17,200	14,700	5,770	31,000
MIN	803	987	2,010	3,620	6,220	1,700	1,320	991	2,060	1,670	956	972
CFSM	0.36	0.67	0.84	1.50	4.68	2.53	0.83	0.60	1.22	1.19	0.57	1.03
IN.	0.42	0.74	0.97	1.73	5.05	2.91	0.92	0.69	1.36	1.38	0.66	1.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	3,485	5,900	10,490	15,950	18,130	20,700	16,350	9,514	5,857	5,005	3,300	3,511
MAX	14,570	15,810	32,860	33,170	53,820	58,420	53,430	39,410	24,990	19,450	6,184	10,410
(WY)	(1978)	(1978)	(1984)	(1998)	(1990)	(1980)	(1979)	(1991)	(1997)	(1989)	(1985)	(2001)
MIN	576	924	2,483	3,101	4,498	4,289	1,760	1,407	1,520	1,854	1,802	1,654
(WY)	(1988)	(1982)	(2000)	(1981)	(2000)	(1988)	(1986)	(1988)	(1988)	(2000)	(2000)	(1984)

02466030 BLACK WARRIOR RIVER AT SELDEN LOCK AND DAM NEAR EUTAW, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	4,204,001		2,808,531			
ANNUAL MEAN	11,520		7,674		9,809	
HIGHEST ANNUAL MEAN					14,990	1980
LOWEST ANNUAL MEAN					3,644	1988
HIGHEST DAILY MEAN	61,600	May 9	71,000	Feb 9	222,000	Apr 16, 1979
LOWEST DAILY MEAN	803	Oct 28	803	Oct 28	317	Sep 24, 1982
ANNUAL SEVEN-DAY MINIMUM	964	Oct 28	964	Oct 28	456	Oct 13, 2000
MAXIMUM PEAK FLOW			83,100	Feb 7	222,000	Apr 16, 1979
MAXIMUM PEAK STAGE			101.00	Feb 9	108.87	Apr 16, 1979
ANNUAL RUNOFF (CFSM)	1.98		1.32		1.69	
ANNUAL RUNOFF (INCHES)	26.92		17.98		22.94	
10 PERCENT EXCEEDS	28,500		16,000		22,800	
50 PERCENT EXCEEDS	6,280		4,640		5,220	
90 PERCENT EXCEEDS	1,840		1,370		1,120	



02466031 BLACK WARRIOR RIVER BELOW SELDEN LOCK AND DAM NEAR EUTAW, AL

LOCATION.--Lat 32°46'38", long 87°50'29", in SE $^1/_4$ sec. 24, T. 21 N., R. 2 E., Hale County, Hydrologic Unit 03160112, on downstream left side of dam, 5 mi east of Eutaw, and at mile 49.5.

DRAINAGE AREA.--5,810 mi^2.

PERIOD OF RECORD.--October 1999 to current year (gage heights only). Prior to October 1999, gage height records published for 02466040 Black Warrior River below Selden Lock near Sawyerville located at mile 43.8 about 5.7 mi downstream. (See annual data reports prior to water year 2000.)

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 103.50 ft, Apr. 7, 2000; minimum gage height, 73.47 ft, Oct. 17, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 100.61 ft, Feb. 9; minimum elevation, 73.71 ft, Aug. 18.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.11	74.30	78.33	77.56	76.74	80.96	75.11	75.19	77.25	80.59	75.03	74.99
2	74.25	74.21	---	76.55	76.28	80.30	75.24	77.03	77.03	80.62	75.11	74.73
3	74.21	74.13	76.74	76.46	76.06	80.61	75.21	---	76.31	79.62	75.15	74.80
4	74.19	74.13	76.67	75.70	76.11	81.06	74.63	76.46	76.48	79.03	74.96	74.71
5	73.97	75.05	76.89	76.54	76.52	81.00	74.76	75.83	76.83	78.39	75.10	74.12
6	74.45	74.89	76.64	79.95	87.71	83.05	74.62	75.43	75.76	77.67	74.77	74.10
7	74.84	74.99	76.08	80.48	95.30	89.42	74.73	75.11	76.01	77.93	74.37	74.15
8	74.33	74.68	75.66	---	98.46	92.28	75.71	74.68	77.41	77.41	74.11	74.66
9	74.23	74.19	75.96	78.89	100.25	91.29	75.89	74.75	76.53	77.35	74.05	74.30
10	74.67	74.17	76.12	78.51	100.03	88.04	75.81	74.86	75.63	76.72	75.04	74.29
11	75.90	74.44	76.69	78.63	97.47	84.83	76.93	74.20	75.81	76.28	75.18	74.51
12	75.33	74.39	76.45	77.47	92.96	82.03	78.46	74.21	75.22	75.82	75.34	74.10
13	75.00	74.34	76.87	77.78	89.58	80.27	78.26	74.43	74.60	75.82	75.22	74.06
14	74.50	74.62	76.03	77.01	87.43	79.57	77.35	74.54	76.19	75.72	74.79	74.82
15	74.49	74.25	75.88	76.24	85.28	79.48	77.19	75.24	76.11	75.19	74.37	75.48
16	74.21	74.12	76.18	75.92	86.11	78.73	76.77	75.64	76.17	75.65	73.91	77.59
17	74.00	74.48	75.66	76.12	87.01	78.36	76.41	75.62	76.88	75.40	73.88	81.19
18	74.40	75.14	75.53	76.02	85.60	78.47	75.58	75.45	77.11	75.65	73.93	84.63
19	74.15	76.53	75.50	76.39	83.18	77.44	75.00	75.43	76.25	75.19	74.21	82.29
20	74.27	76.98	75.14	76.01	81.75	76.96	75.58	75.15	75.31	75.40	74.72	79.03
21	74.79	76.15	74.78	76.21	80.60	76.51	75.05	74.96	74.89	75.04	74.97	75.98
22	74.62	75.50	74.96	76.17	80.10	75.97	75.12	74.58	75.17	75.14	74.66	75.30
23	74.51	75.49	75.22	75.93	79.71	75.99	74.73	74.37	75.60	74.87	74.61	75.03
24	74.25	75.10	75.68	75.75	80.22	75.49	74.93	74.24	75.79	75.07	74.98	75.07
25	74.51	75.82	75.80	76.73	80.52	75.11	74.98	74.51	76.84	74.88	75.08	74.53
26	74.38	75.60	75.63	79.17	82.57	75.28	76.35	74.29	77.51	74.61	75.12	74.28
27	75.49	77.14	75.56	80.44	84.25	75.30	75.88	74.06	78.28	76.49	74.98	74.15
28	74.85	80.91	74.97	79.17	83.79	74.69	75.63	74.09	79.01	77.46	74.97	74.33
29	74.55	81.21	75.18	78.82	82.19	75.05	75.24	74.55	80.71	76.49	75.23	74.45
30	74.45	79.70	76.59	77.86	---	75.78	75.17	74.57	80.54	75.73	74.81	74.63
31	74.30	---	77.50	77.61	---	75.36	---	---	---	75.63	74.94	---
MEAN	74.52	75.56	---	---	85.30	79.83	75.74	---	76.64	76.54	74.76	75.68
MAX	75.90	81.21	---	---	100.25	92.28	78.46	---	80.71	80.62	75.34	84.63
MIN	73.97	74.12	---	---	76.06	74.69	74.62	---	74.60	74.61	73.88	74.06

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 mi^2.

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 NGVD of 1929 (levels by U.S. Army Corps of Engineers). Gage-height records published prior to Oct. 1, 1997 are at datum 56.00 ft above NGVD of 1929. Prior to Oct. 31, 1939, nonrecording gage, and Nov. 1, 1939, to Sept. 30, 1955, water-stage recorder at site 11.6 mi downstream at datum 26.70 ft lower.

REMARKS.--No estimated daily discharges. Records good except those below 2,000 ft^3/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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 215,000 ft^3/s, Feb. 12, gage height, 83.10 ft; minimum discharge, 598 ft^3/s, Aug. 17, gage height, 73.38 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

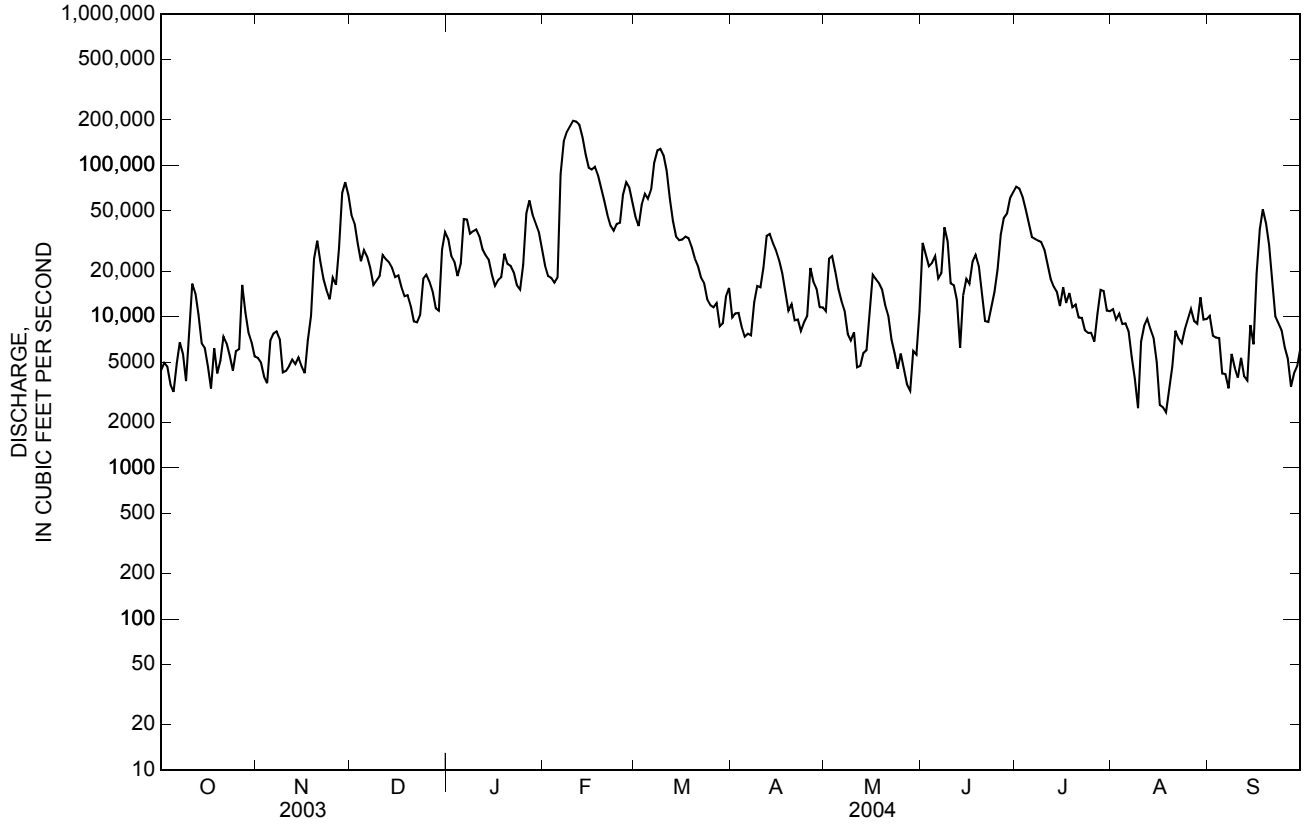
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,390	5,340	46,900	32,500	21,700	45,700	9,850	10,900	30,700	72,200	11,200	10,100
2	4,940	4,980	41,000	25,100	18,500	39,600	10,500	24,100	25,800	70,200	9,570	7,480
3	4,670	4,000	30,400	22,900	18,000	54,800	10,600	25,100	21,500	62,300	10,500	7,260
4	3,550	3,630	23,200	18,600	16,800	64,700	8,610	19,800	22,600	51,100	8,940	7,210
5	3,180	6,940	27,500	22,400	18,100	60,100	7,370	15,300	25,000	41,600	9,030	4,200
6	4,890	7,730	24,900	44,100	87,600	69,200	7,700	12,600	17,900	33,500	8,000	4,170
7	6,740	7,990	21,000	43,800	144,000	104,000	7,520	10,900	19,400	32,700	5,340	3,350
8	5,650	7,090	16,200	35,300	166,000	125,000	12,400	7,650	38,900	31,800	3,890	5,670
9	3,740	4,270	17,300	36,700	181,000	128,000	15,900	6,960	31,400	31,100	2,480	4,570
10	7,600	4,370	18,500	37,700	197,000	116,000	15,600	7,880	16,600	27,700	6,820	3,940
11	16,500	4,700	25,500	33,900	195,000	91,900	21,200	4,610	16,100	22,400	8,710	5,330
12	14,200	5,190	24,000	27,800	186,000	59,900	34,200	4,710	12,800	17,700	9,650	4,040
13	10,300	4,840	22,900	25,400	153,000	42,900	35,200	5,730	6,230	15,800	8,260	3,780
14	6,640	5,360	20,900	23,700	119,000	33,800	30,700	5,990	13,800	14,500	7,240	8,780
15	6,200	4,710	18,200	18,800	96,500	32,000	27,500	10,700	17,800	11,700	4,980	6,550
16	4,660	4,230	18,700	16,000	93,800	32,300	23,600	18,900	16,500	15,600	2,600	19,200
17	3,350	6,940	15,700	17,400	97,700	33,800	19,400	17,700	23,100	12,300	2,510	37,700
18	6,170	10,100	13,600	18,200	85,800	33,000	14,400	16,600	25,600	14,300	2,330	51,100
19	4,210	24,000	13,800	26,000	70,300	29,000	10,900	15,100	21,600	11,500	3,360	41,300
20	5,130	31,700	11,700	22,300	58,200	24,200	12,100	11,900	14,100	12,000	4,650	29,800
21	7,370	23,200	9,290	21,600	47,000	21,700	9,450	10,200	9,320	9,850	8,060	17,600
22	6,640	17,700	9,150	19,500	39,900	18,100	9,560	7,060	9,210	9,790	7,160	10,100
23	5,530	15,000	10,200	16,100	36,900	16,600	8,020	5,760	11,600	8,120	6,660	9,030
24	4,380	13,000	17,800	15,100	40,900	12,900	9,150	4,530	14,600	7,790	8,170	8,140
25	5,910	18,200	18,900	21,900	41,600	11,900	10,100	5,700	20,500	7,800	9,570	6,260
26	6,110	16,300	17,000	48,100	63,900	11,500	21,000	4,520	34,800	6,830	11,200	5,280
27	16,200	28,300	14,700	58,500	77,300	12,300	17,000	3,560	44,800	10,400	9,340	3,440
28	10,600	65,600	11,300	47,100	71,600	8,620	15,300	3,240	48,000	15,000	8,950	4,210
29	7,860	77,200	10,900	41,400	56,900	9,030	11,500	5,940	60,500	14,800	13,400	4,710
30	6,760	63,400	27,600	36,300	---	13,600	11,500	5,610	66,500	11,000	9,560	6,110
31	5,450	---	36,200	28,500	---	15,500	---	10,800	---	10,900	9,630	---
TOTAL	209,520	496,010	634,940	902,700	2,500,000	1,371,650	457,830	320,050	737,260	714,280	231,760	340,410
MEAN	6,759	16,530	20,480	29,120	86,210	44,250	15,260	10,320	24,580	23,040	7,476	11,350
MAX	16,500	77,200	46,900	58,500	197,000	128,000	35,200	25,100	66,500	72,200	13,400	51,100
MIN	3,180	3,630	9,150	15,100	16,800	8,620	7,370	3,240	6,230	6,830	2,330	3,350
CFSM	0.44	1.07	1.33	1.89	5.60	2.88	0.99	0.67	1.60	1.50	0.49	0.74
IN.	0.51	1.20	1.54	2.18	6.04	3.32	1.11	0.77	1.78	1.73	0.56	0.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, BY WATER YEAR (WY)

MEAN	6,309	11,780	25,770	41,690	48,710	52,640	44,500	23,870	11,850	10,040	6,163	5,845
MAX	52,420	77,380	94,200	111,800	133,200	117,200	125,700	138,300	66,540	65,730	19,270	32,340
(WY)	(1933)	(1930)	(1962)	(1949)	(1990)	(1980)	(1979)	(1991)	(1997)	(1940)	(1967)	(1950)
MIN	804	1,499	2,992	3,296	10,600	12,810	4,772	3,714	1,838	1,414	763	800
(WY)	(1956)	(1932)	(1944)	(1956)	(2000)	(1988)	(1986)	(1988)	(1941)	(1954)	(1954)	(1954)

02467000 TOMBIGBEE RIVER AT DEMOPOLIS LOCK AND DAM NEAR COATOPA, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004	
ANNUAL TOTAL	12,206,370		8,916,410			
ANNUAL MEAN	33,440		24,360		23,970	
HIGHEST ANNUAL MEAN					46,570	1983
LOWEST ANNUAL MEAN					9,055	1988
HIGHEST DAILY MEAN	173,000	Feb 26	197,000	Feb 10	338,000	Apr 18, 1979
LOWEST DAILY MEAN	2,870	Sep 15	2,330	Aug 18	50	Aug 1, 1954
ANNUAL SEVEN-DAY MINIMUM	3,760	Sep 15	3,950	Aug 14	51	Jul 31, 1954
MAXIMUM PEAK FLOW			215,000	Feb 12	343,000	Apr 18, 1979
MAXIMUM PEAK STAGE			83.10	Feb 12	93.03	Apr 18, 1979
ANNUAL RUNOFF (CFSM)	2.17		1.58		1.56	
ANNUAL RUNOFF (INCHES)	29.51		21.56		21.17	
10 PERCENT EXCEEDS	85,800		57,300		67,000	
50 PERCENT EXCEEDS	18,900		14,800		10,500	
90 PERCENT EXCEEDS	5,180		4,710		2,300	



02467001 TOMBIGBEE RIVER BELOW DEMOPOLIS LOCK AND DAM NEAR COATOPA, AL

LOCATION.--Lat 32°31'15", long 87°52'48", in NW $^1/_4$ 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 mi^2.

PERIOD OF RECORD.--July 1951 to September 1983, October 1984 to September 2002 (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 NGVD of 1929. Records prior to Oct. 1, 1997 published at datum 20.00 ft above NGVD of 1929. Prior to Oct. 20, 1992, nonrecording gage at same site and at datum 20.00 ft above NGVD of 1929.

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 elevation, 92.3 ft (NGVD of 1929), Apr. 19, 1979; minimum, 30.9 ft (NGVD of 1929), Oct. 4, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 80.03 ft, Feb. 12; minimum elevation, 32.44 ft, Sept. 13.

ELEVATION, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.20	33.71	52.08	45.21	41.45	52.64	36.10	36.05	42.55	57.64	36.40	35.65
2	33.33	33.38	48.84	42.98	39.77	49.07	35.91	39.62	42.96	58.27	35.62	34.66
3	33.28	33.15	45.14	41.49	39.31	51.30	36.23	42.12	41.04	57.04	35.84	34.55
4	32.90	33.04	41.86	40.01	38.90	54.77	35.57	40.70	41.24	54.21	35.59	34.43
5	32.81	34.03	42.41	40.06	38.97	54.50	34.78	38.55	42.04	50.72	35.38	33.46
6	33.29	34.59	42.04	47.03	54.69	55.86	35.04	37.16	39.85	47.15	35.00	33.36
7	33.94	34.50	40.65	48.86	69.85	63.06	34.78	36.27	39.34	45.38	33.87	33.27
8	33.73	34.22	38.92	46.72	74.80	68.17	36.17	35.02	45.03	44.80	33.46	33.83
9	---	33.30	38.70	46.37	77.39	70.08	37.92	34.45	45.28	44.20	33.02	33.66
10	33.86	33.26	39.12	47.01	79.07	69.30	38.19	34.87	39.85	43.57	34.27	33.26
11	37.33	33.23	41.36	46.18	79.77	66.00	39.15	33.94	38.37	41.51	34.97	33.67
12	37.43	33.54	41.69	44.20	79.56	59.64	43.92	33.61	37.17	39.66	35.45	33.49
13	36.42	33.24	41.32	42.50	77.68	53.01	45.18	33.88	34.73	38.35	35.16	33.16
14	34.67	33.45	40.58	41.84	74.58	48.06	44.29	34.39	36.61	37.86	34.61	35.07
15	34.06	33.32	39.50	40.17	70.96	45.45	42.92	35.58	39.08	36.74	33.92	33.97
16	33.38	33.16	39.34	38.86	68.36	44.66	41.60	38.29	38.40	37.64	33.07	37.73
17	32.86	34.05	39.13	39.00	67.40	45.17	39.87	39.15	40.07	37.11	33.01	45.43
18	33.76	35.01	37.45	39.04	65.22	45.26	38.14	38.44	41.93	37.29	33.14	50.61
19	33.22	39.27	37.72	41.73	61.58	44.02	36.41	38.18	40.93	36.67	33.29	48.95
20	33.40	43.20	36.92	41.57	57.46	42.22	36.40	37.11	38.10	36.51	33.66	44.90
21	34.16	41.50	35.74	40.90	52.89	41.05	35.85	36.31	36.10	35.98	34.91	40.09
22	34.02	39.34	35.58	40.09	49.04	39.76	35.70	34.83	35.33	35.63	34.54	36.50
23	33.71	37.88	36.07	38.84	47.30	38.82	35.04	34.28	36.15	35.17	34.60	35.40
24	33.20	37.05	38.47	38.20	48.81	37.65	35.34	33.74	37.60	34.62	35.08	34.90
25	33.55	38.21	39.60	39.90	49.66	37.11	35.28	34.06	39.28	35.13	35.44	34.32
26	33.71	38.46	39.08	48.16	55.74	36.57	39.21	33.74	43.90	34.58	36.29	33.84
27	36.82	41.43	38.22	52.97	60.26	36.91	39.25	33.53	48.79	35.39	35.49	33.17
28	36.20	53.71	36.90	50.95	60.13	35.92	38.19	33.37	49.82	37.53	35.19	33.39
29	34.69	58.27	36.28	48.36	56.75	35.45	36.81	34.24	52.84	37.81	36.72	33.64
30	34.17	56.73	41.29	46.69	---	37.11	36.32	34.09	55.49	36.40	35.83	33.95
31	33.63	---	45.60	43.97	---	37.50	---	35.40	---	36.21	35.38	---
MEAN	---	37.71	40.25	43.54	59.91	48.26	37.85	35.97	41.33	41.19	34.78	36.21
MAX	---	58.27	52.08	52.97	79.77	70.08	45.18	42.12	55.49	58.27	36.72	50.61
MIN	---	33.04	35.58	38.20	38.90	35.45	34.78	33.37	34.73	34.58	33.01	33.16

02467500 SUCARNOOCHEE RIVER AT LIVINGSTON, AL

LOCATION.--Lat 32°34'25", long 88°11'36", in SW $^1/_4$ 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 mi^2.

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 NGVD of 1929. Prior to Jan. 12, 1939, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: May 13, 14, July 10-19. 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 8	1900	*15,800	*25.90

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 151 ft^3/s, Aug. 20, gage height, 2.17 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	242	285	2,220	1,260	594	2,310	492	609	1,160	3,690	287	204
2	229	276	866	810	556	1,310	434	1,280	1,180	3,790	268	190
3	221	274	670	681	533	1,250	408	1,720	815	4,230	239	179
4	221	272	599	628	534	1,170	391	1,000	818	4,480	222	180
5	221	278	571	798	735	1,060	380	600	609	4,030	201	299
6	219	306	544	1,610	5,320	2,690	367	474	450	2,300	193	323
7	219	319	501	2,130	6,980	3,160	360	407	462	774	183	243
8	231	323	467	1,780	13,900	3,230	363	362	509	584	178	202
9	250	307	449	1,680	12,200	3,230	368	328	502	711	171	176
10	280	293	484	2,050	7,890	2,230	379	307	377	e722	183	165
11	979	281	758	1,850	5,020	1,120	384	287	314	e772	231	160
12	1,940	271	796	1,180	3,290	919	411	290	280	e757	280	157
13	1,450	267	619	916	2,920	826	649	e302	564	e709	238	155
14	658	263	607	801	2,770	759	586	e341	835	e582	202	161
15	499	255	696	727	2,760	718	503	460	446	e432	183	160
16	421	252	637	677	2,710	694	430	472	492	e333	171	323
17	374	255	557	631	2,570	675	385	425	815	e286	164	796
18	342	303	508	812	1,860	644	358	432	488	e270	159	1,140
19	333	463	470	1,000	1,270	614	341	939	432	e263	156	759
20	320	636	441	865	1,090	581	320	860	338	256	168	404
21	308	529	422	691	982	557	307	596	282	236	178	294
22	293	388	407	611	888	527	302	404	258	222	311	247
23	284	336	421	567	1,140	494	295	357	447	212	363	223
24	277	313	528	540	2,090	474	284	341	365	204	395	209
25	269	318	661	919	3,240	472	381	288	424	200	444	201
26	276	366	589	1,410	4,230	462	809	257	1,510	222	319	195
27	335	1,920	497	1,510	4,320	449	1,050	239	894	501	245	192
28	429	3,120	457	1,060	4,230	439	721	229	607	496	209	182
29	376	3,210	465	780	3,810	432	472	232	607	312	193	176
30	328	3,230	863	677	---	436	427	259	2,940	249	201	172
31	299	---	1,540	633	---	502	---	625	---	231	220	---
TOTAL	13,123	19,909	20,310	32,284	100,432	34,434	13,357	15,722	20,220	33,056	7,155	8,467
MEAN	423	664	655	1,041	3,463	1,111	445	507	674	1,066	231	282
MAX	1,940	3,230	2,220	2,130	13,900	3,230	1,050	1,720	2,940	4,480	444	1,140
MIN	219	252	407	540	533	432	284	229	258	200	156	155
CFSM	0.70	1.09	1.08	1.72	5.71	1.83	0.73	0.84	1.11	1.76	0.38	0.46
IN.	0.80	1.22	1.24	1.98	6.15	2.11	0.82	0.96	1.24	2.03	0.44	0.52

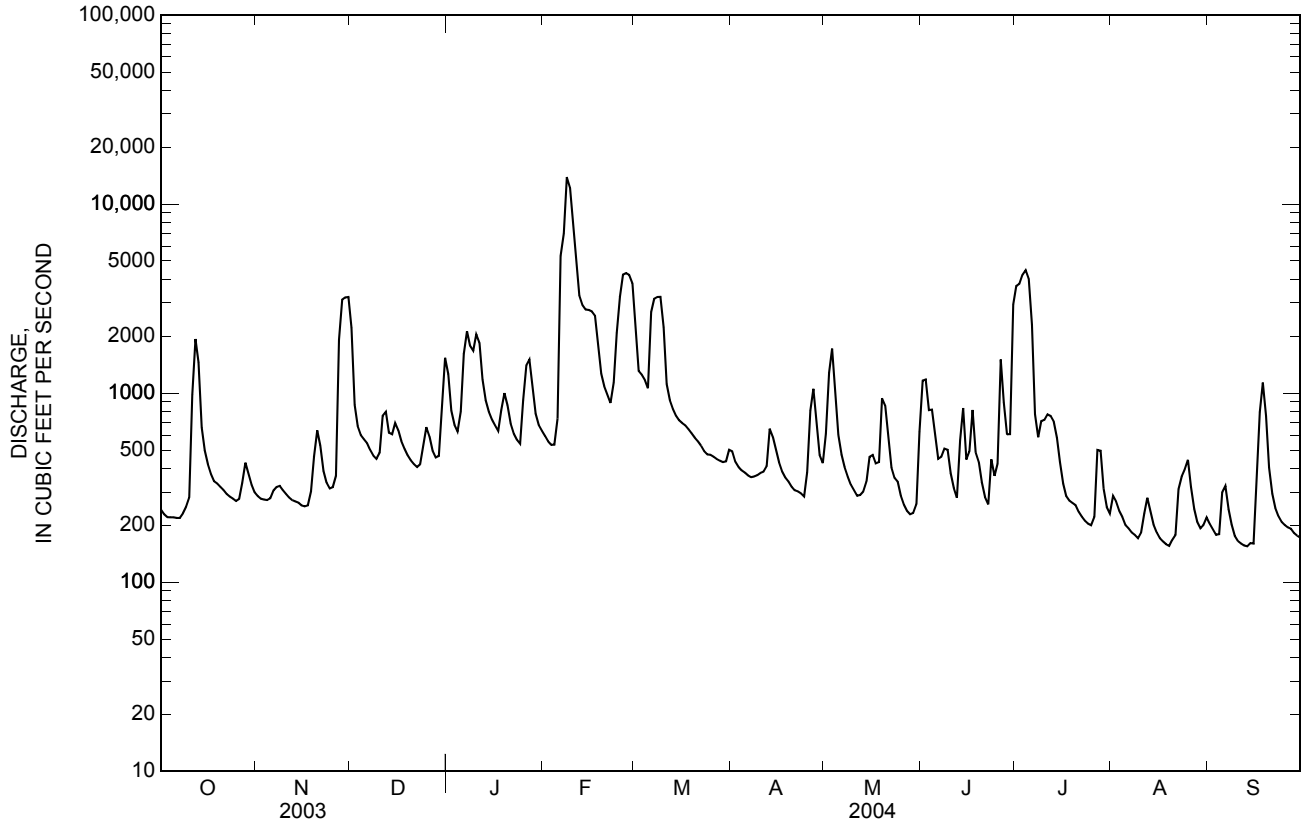
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	254	444	837	1,317	1,711	1,768	1,579	781	425	429	277	245
MAX	1,020	2,259	4,077	4,411	5,406	4,376	6,244	4,968	1,608	2,455	1,240	1,391
(WY)	(2002)	(1949)	(1962)	(1998)	(1990)	(1980)	(1979)	(1991)	(1997)	(1940)	(1946)	(1979)
MIN	62.7	86.8	143	175	222	414	218	139	90.2	75.8	68.1	55.1
(WY)	(1955)	(1955)	(1955)	(1956)	(2000)	(1967)	(1986)	(2000)	(1988)	(2000)	(1954)	(1954)

02467500 SUCARNOOCHEE RIVER AT LIVINGSTON, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	505,700		318,469			
ANNUAL MEAN	1,385		870		834	
HIGHEST ANNUAL MEAN					1,848	1983
LOWEST ANNUAL MEAN					250	2000
HIGHEST DAILY MEAN	26,000	Apr 9	13,900	Feb 8	55,900	Apr 14, 1979
LOWEST DAILY MEAN	212	Sep 20	155	Sep 13	48	Sep 7, 2000
ANNUAL SEVEN-DAY MINIMUM	223	Oct 2	162	Sep 9	50	Sep 2, 2000
MAXIMUM PEAK FLOW			15,800	Feb 8	62,200	Apr 14, 1979
MAXIMUM PEAK STAGE			25.90	Feb 8	33.47	Apr 14, 1979
ANNUAL RUNOFF (CFSM)	2.28		1.43		1.37	
ANNUAL RUNOFF (INCHES)	30.99		19.52		18.67	
10 PERCENT EXCEEDS	2,830		2,060		2,200	
50 PERCENT EXCEEDS	611		450		344	
90 PERCENT EXCEEDS	281		208		120	

e Estimated



02469525 TOMBIGBEE RIVER NEAR NANAFALIA, AL

LOCATION.--Lat 32°07'48", long 88°02'28", in NW $^1/_4$ 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 mi^2.

PERIOD OF RECORD.--October 1956 to November 1986, May 1990 to current year (elevations 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 NGVD of 1929.

REMARKS.--Gage is in upper reach of pool formed by Coffeeville 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 elevation, 66.78 ft, Mar. 2, 1961. Flood of Apr. 21, 1979 reached an elevation of approximately 67 ft. Minimum elevation (for period October 1956 to August 1960), 13.29 ft, Oct. 16, 1956; minimum elevation (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 elevation, 60.69 ft, Feb. 13; minimum elevation, 32.40 ft, Sept. 5.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.76	33.03	42.45	37.02	35.31	43.30	33.34	33.05	34.81	44.10	33.30	33.10
2	32.83	32.81	39.65	36.06	34.34	40.25	33.18	33.75	35.68	45.32	33.02	32.89
3	32.81	32.82	37.31	35.08	34.16	39.90	33.37	35.21	34.92	45.08	33.22	32.89
4	32.69	32.85	35.56	34.52	34.06	42.10	33.20	34.79	34.94	43.59	33.12	32.87
5	32.67	33.03	35.26	34.12	33.97	42.88	33.02	33.96	35.15	41.18	33.07	32.63
6	32.86	33.06	35.28	36.80	39.74	43.09	33.19	33.51	34.38	38.67	33.01	32.73
7	33.02	32.95	34.73	38.79	50.67	46.79	33.03	33.23	34.09	36.85	32.74	32.78
8	32.90	32.91	34.12	38.02	54.64	50.55	33.28	32.94	35.64	36.46	32.73	32.83
9	32.60	32.70	33.89	37.47	56.68	52.84	33.76	32.79	37.02	36.18	32.63	32.74
10	32.89	32.86	33.99	37.93	58.18	53.75	33.92	33.03	34.78	36.17	32.93	32.66
11	33.64	32.76	34.65	37.68	59.30	53.28	33.89	32.86	33.86	35.31	32.90	32.75
12	33.67	32.91	35.13	36.78	60.16	50.65	35.50	32.73	33.52	34.39	33.15	32.77
13	33.42	32.74	34.97	35.61	60.53	45.52	36.47	32.68	32.95	33.79	33.06	32.63
14	33.02	32.84	34.61	35.28	60.07	40.06	36.37	33.02	33.33	33.61	32.89	33.08
15	32.95	32.83	34.22	34.66	58.91	37.31	35.71	33.08	34.09	33.38	32.83	32.66
16	32.73	32.79	34.12	34.06	57.38	36.42	35.05	33.60	33.80	33.52	32.58	33.62
17	32.64	33.06	34.28	33.99	55.91	36.59	34.37	34.13	34.07	33.53	32.66	37.01
18	32.96	33.09	33.64	33.93	54.49	36.87	33.86	33.75	34.98	33.43	32.78	39.74
19	32.74	33.91	33.74	34.94	52.21	36.38	33.17	33.76	34.81	33.44	32.77	39.51
20	32.86	35.37	33.47	35.30	48.80	35.49	33.17	33.49	33.83	33.28	32.83	37.19
21	32.98	35.08	33.15	34.88	44.49	35.00	33.24	33.29	33.27	33.21	33.05	34.84
22	32.92	34.17	33.21	34.52	40.36	34.45	33.22	32.90	33.06	33.08	32.90	33.37
23	32.92	33.64	33.34	34.07	38.57	34.06	33.03	32.80	33.21	33.03	32.95	33.06
24	32.75	33.36	33.92	33.89	39.60	33.79	33.03	32.75	33.67	32.86	33.09	32.93
25	32.84	33.61	34.33	34.19	40.47	33.63	32.90	32.85	33.97	33.10	33.07	32.84
26	32.90	33.90	34.14	37.60	44.14	33.39	33.90	32.76	35.34	32.92	33.27	32.80
27	33.51	34.98	33.84	40.99	47.55	33.52	34.21	32.84	37.99	33.04	33.02	32.60
28	33.39	41.33	33.49	40.94	48.04	33.37	33.74	32.77	39.04	33.56	32.96	32.73
29	33.00	44.79	33.38	39.06	46.37	33.15	33.42	32.99	40.32	33.66	33.37	32.80
30	32.94	45.11	34.55	37.96	---	33.58	33.21	32.81	42.36	33.25	33.11	32.82
31	32.83	---	36.83	36.53	---	33.67	---	33.11	---	33.24	32.99	---
MEAN	32.96	34.38	34.81	36.22	47.90	39.86	33.83	33.27	35.10	35.68	32.97	33.66
MAX	33.67	45.11	42.45	40.99	60.53	53.75	36.47	35.21	42.36	45.32	33.37	39.74
MIN	32.60	32.70	33.15	33.89	33.97	33.15	32.90	32.68	32.95	32.86	32.58	32.60

CAL YR	2003	MEAN	37.99	MAX	59.33	MIN 32.60
WTR YR	2004	MEAN	35.84	MAX	60.53	MIN 32.58

02469761 TOMBIGBEE RIVER AT COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL

LOCATION.--Lat 31°45'30", long 88°07'45", in NE $^1/_4$ NE $^1/_4$ 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 mi^2.

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 NGVD of 1929. Prior to October 1, 1993, water-stage recorder at same site at datum 14.00 ft lower.

REMARKS.--Estimated daily discharges: Oct. 9, 14; Nov. 3; Jan. 28, 29; Feb. 11-17, 25; Jun. 28. 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, unknown; minimum discharge, 855 ft^3/s, Aug. 17.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,540	5,860	68,700	39,000	30,100	72,400	13,700	13,900	24,800	69,700	14,500	12,200
2	8,510	7,290	51,300	33,700	23,700	56,900	13,000	17,000	34,100	76,300	11,700	9,080
3	7,850	e5,060	39,800	27,600	20,900	51,900	13,500	28,700	28,700	75,700	12,000	9,300
4	5,250	4,690	29,400	24,600	20,800	59,500	12,300	27,600	27,900	70,100	12,400	9,470
5	4,150	7,150	27,800	20,800	19,200	64,400	9,870	20,300	28,800	59,400	10,800	7,080
6	4,720	11,000	27,600	36,600	49,000	65,400	10,700	16,100	24,300	46,700	9,910	3,970
7	7,640	9,580	25,700	47,700	99,800	77,600	8,950	14,400	21,800	38,700	8,290	5,150
8	8,520	9,800	21,200	43,700	114,000	91,100	11,700	10,900	29,400	36,000	4,910	5,600
9	e5,620	6,940	17,600	40,300	127,000	102,000	16,600	8,390	39,600	34,600	3,170	6,990
10	5,300	4,750	18,500	42,400	141,000	111,000	17,900	8,450	27,600	34,300	7,920	4,860
11	15,600	5,980	23,700	41,600	e151,000	115,000	18,200	9,310	18,600	29,900	10,300	4,800
12	17,400	6,460	27,300	36,700	e149,000	109,000	28,500	4,670	16,200	24,300	12,200	6,910
13	17,400	6,260	27,100	30,600	e152,000	86,800	34,100	7,840	11,400	19,400	12,600	3,020
14	e11,300	6,060	24,900	28,500	e153,000	59,900	34,100	8,950	11,800	17,900	8,880	10,600
15	8,070	6,050	22,000	25,100	e151,000	41,000	30,700	10,300	21,400	15,100	7,780	7,810
16	7,220	5,110	20,700	21,500	e147,000	34,000	27,200	16,000	19,500	15,600	4,700	18,900
17	3,470	7,700	22,200	20,600	e139,000	36,300	22,500	21,800	21,200	17,900	1,780	42,100
18	6,030	10,900	15,300	20,200	130,000	36,800	19,800	18,900	27,300	15,500	3,730	53,600
19	7,290	18,500	17,200	25,300	120,000	35,500	14,600	18,800	27,100	15,900	3,400	53,000
20	5,080	30,000	15,600	28,700	105,000	30,300	11,800	16,700	20,700	13,600	4,970	41,500
21	7,740	29,300	11,900	25,900	81,300	26,700	12,800	14,200	14,100	12,700	10,800	28,600
22	8,680	22,400	11,600	23,700	59,500	24,400	11,100	10,300	10,900	11,800	9,410	16,900
23	7,900	18,300	11,500	20,600	47,900	19,400	10,400	8,600	12,200	11,800	10,500	11,700
24	6,280	16,000	18,000	18,600	52,200	18,000	11,600	6,130	19,300	7,210	12,900	10,400
25	5,180	15,600	22,000	19,400	e58,900	16,300	9,850	6,260	22,200	11,400	11,800	9,320
26	8,570	20,300	21,700	38,800	73,900	14,400	17,800	6,730	30,000	9,190	14,900	7,140
27	13,000	24,300	18,900	56,200	83,800	14,400	22,200	4,200	42,900	9,900	12,400	5,620
28	17,200	58,800	15,700	e57,800	85,700	14,500	18,100	4,210	e49,400	17,100	10,500	3,820
29	10,100	78,400	13,900	e52,300	81,900	10,400	16,500	6,770	53,500	17,500	15,300	7,610
30	8,690	82,500	22,400	43,300	---	15,400	13,900	7,270	61,600	14,900	15,400	6,650
31	8,000	---	35,900	36,300	---	17,200	---	8,490	---	12,900	11,400	---
TOTAL	267,300	541,040	747,100	1,028,100	2,667,600	1,527,900	513,970	382,170	798,300	863,000	301,250	423,700
MEAN	8,623	18,030	24,100	33,160	91,990	49,290	17,130	12,330	26,610	27,840	9,718	14,120
MAX	17,400	82,500	68,700	57,800	153,000	115,000	34,100	28,700	61,600	76,300	15,400	53,600
MIN	3,470	4,690	11,500	18,600	19,200	10,400	8,950	4,200	10,900	7,210	1,780	3,020
CFSM	0.47	0.98	1.31	1.80	4.99	2.68	0.93	0.67	1.44	1.51	0.53	0.77
IN.	0.54	1.09	1.51	2.08	5.39	3.09	1.04	0.77	1.61	1.74	0.61	0.86

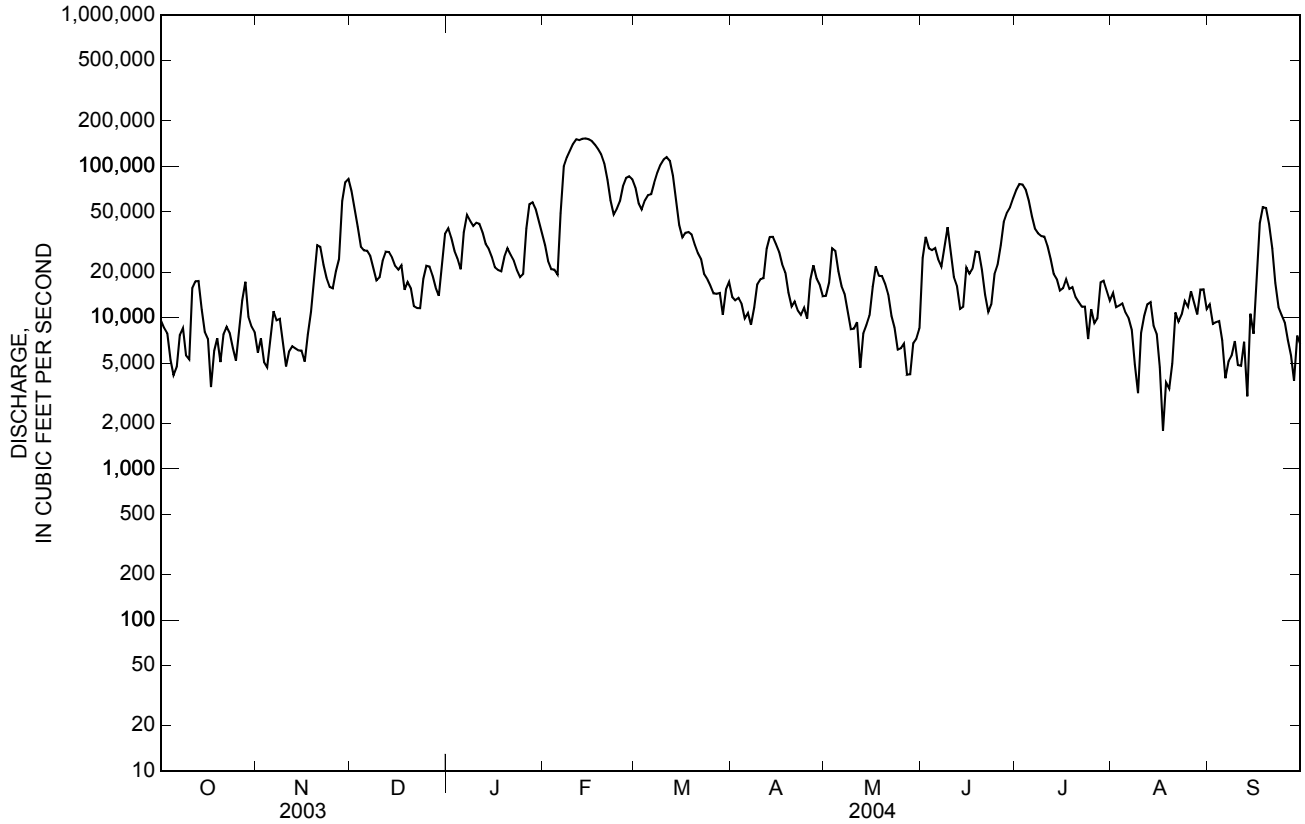
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

MEAN	8,569	13,700	33,400	51,340	56,620	64,150	56,550	31,530	16,980	12,760	8,215	7,796
MAX	39,840	42,930	100,900	110,900	161,100	152,200	171,600	153,100	68,860	58,070	24,140	33,190
(WY)	(1976)	(2003)	(1984)	(1974)	(1990)	(1961)	(1980)	(1991)	(1997)	(1989)	(2003)	(1979)
MIN	1,401	1,973	4,142	7,689	10,790	15,600	5,781	4,460	2,557	3,132	2,353	2,161
(WY)	(1988)	(1982)	(1963)	(1981)	(2000)	(1988)	(1986)	(1988)	(1988)	(2000)	(1999)	(2000)

02469761 TOMBIGBEE RIVER AT COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004	
ANNUAL TOTAL	13,967,500		10,061,430			
ANNUAL MEAN	38,270		27,490		30,000	
HIGHEST ANNUAL MEAN					57,420	1983
LOWEST ANNUAL MEAN					10,740	1988
HIGHEST DAILY MEAN	150,000	Mar 2	153,000	Feb 14	286,000	Apr 22, 1979
LOWEST DAILY MEAN	3,470	Oct 17	1,780	Aug 17	398	Aug 16, 1999
ANNUAL SEVEN-DAY MINIMUM	5,810	Nov 10	5,030	Aug 14	1,140	Oct 4, 1984
MAXIMUM PEAK FLOW					290,000	Apr 22, 1979
MAXIMUM PEAK STAGE					51.46	Apr 22, 1979
ANNUAL RUNOFF (CFSM)	2.08		1.49		1.63	
ANNUAL RUNOFF (INCHES)	28.21		20.32		22.13	
10 PERCENT EXCEEDS	85,400		62,400		82,300	
50 PERCENT EXCEEDS	24,800		17,300		14,600	
90 PERCENT EXCEEDS	8,640		6,220		3,370	

e Estimated



02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 31°45'25", long 88°07'30", in SW $^1/_4$ SW $^1/_4$ sec. 7, T. 9 N., R. 2 W., Choctaw County, Hydrologic Unit 03160203, near right bank at downstream end of Coffeeville Lock and Dam, 2 mi west of Coffeeville, 4 mi downstream from Turkey Creek, and at mile 74.2.

DRAINAGE AREA.--18,417 mi^2.

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 NGVD of 1929. 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, -1.85 ft, Oct. 9, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, unknown; minimum elevation, 0.80 ft, Aug. 17.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.35	3.30	25.27	16.05	15.69	28.73	6.77	6.93	8.18	24.74	6.24	5.02
2	2.53	3.28	22.96	15.58	13.56	26.11	6.08	7.88	13.48	26.34	5.73	4.33
3	2.66	---	20.31	13.88	11.75	24.21	5.87	11.88	13.63	27.03	5.10	4.08
4	2.94	2.49	16.86	12.56	10.91	24.45	5.82	12.87	13.51	26.50	5.29	3.95
5	2.58	3.44	14.77	10.98	10.14	25.17	4.87	11.09	13.54	24.89	4.54	3.41
6	2.56	4.58	13.95	13.71	15.48	25.36	4.55	9.32	12.60	22.48	4.14	1.65
7	3.04	4.31	12.87	17.76	27.23	27.00	4.51	8.04	10.88	19.78	3.40	1.54
8	3.66	4.06	11.23	18.35	31.20	29.55	4.94	6.54	11.91	17.95	2.62	1.91
9	---	3.49	9.60	17.59	33.14	31.30	6.80	4.98	15.48	16.64	2.25	2.76
10	2.79	2.37	9.52	17.88	34.72	32.60	7.86	4.30	13.85	15.98	3.14	2.19
11	5.59	3.06	10.31	18.06	---	33.40	8.25	4.56	10.23	14.59	4.50	2.00
12	7.34	3.33	11.70	17.00	---	33.41	10.98	3.17	8.50	12.46	4.94	2.76
13	7.83	3.24	12.06	15.27	---	31.93	13.84	4.23	6.61	10.24	5.27	2.06
14	6.19	2.47	11.89	13.96	---	28.11	14.75	4.48	5.32	8.77	4.19	3.60
15	4.27	3.06	11.21	12.70	---	23.75	14.03	5.18	8.48	7.54	3.41	3.96
16	3.71	3.13	10.46	11.15	---	20.71	13.10	6.63	9.31	---	2.35	6.86
17	2.86	3.38	10.50	10.10	---	19.19	11.55	8.78	9.47	---	1.42	15.19
18	2.52	4.79	8.66	10.26	37.09	18.19	10.09	8.89	11.34	7.58	1.69	19.94
19	3.38	7.23	8.31	11.20	35.84	17.28	8.17	8.70	11.97	7.42	1.67	21.64
20	2.86	11.23	7.86	12.79	34.12	15.57	6.37	8.28	10.61	6.54	2.46	20.06
21	3.40	12.70	6.85	12.23	31.72	13.63	6.19	7.22	7.97	6.00	3.67	16.90
22	3.72	11.25	6.14	11.70	27.97	12.25	5.74	5.94	---	5.32	3.88	13.68
23	3.32	9.62	5.99	10.72	24.77	10.24	5.43	4.96	---	5.03	4.16	11.66
24	3.13	8.53	7.24	9.55	24.34	9.34	5.21	4.05	---	3.75	4.83	10.71
25	2.73	7.58	9.28	9.33	---	8.35	4.92	3.45	---	4.13	5.29	9.69
26	3.76	8.95	9.95	13.83	27.30	7.46	6.52	3.64	12.11	4.01	5.88	8.00
27	4.57	9.88	9.43	19.69	29.55	7.00	9.13	2.70	16.04	4.00	5.60	6.21
28	7.09	18.47	8.59	---	30.44	7.03	8.69	2.50	---	6.01	---	4.31
29	5.53	24.04	7.37	---	30.30	5.69	7.97	2.96	20.77	7.15	---	3.96
30	4.68	25.78	9.12	19.53	---	6.34	7.07	3.66	22.85	7.07	6.74	3.55
31	4.10	---	13.75	17.78	---	7.46	---	3.82	---	6.07	5.21	---
MEAN	---	---	11.42	---	---	19.70	7.87	6.18	---	---	---	7.25
MAX	---	---	25.27	---	---	33.41	14.75	12.87	---	---	---	21.64
MIN	---	---	5.99	---	---	5.69	4.51	2.50	---	---	---	1.54

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)
OCT 2003													
08...	1500	25.0	--	766	8110	250	8.8	106	7.5	57	47	<.04	E.004
NOV													
13...	1030	20.6	18.0	772	5110	258	9.6	106	7.5	52	43	<.04	<.008
DEC													
23...	0950	9.2	13.0	763	9770	188	12.9	112	7.4	45	37	E.03	.008
JAN 2004													
21...	1415	9.1	14.2	769	23800	181	13.2	113	7.6	49	40	<.04	.011
FEB													
27...	1010	10.2	6.5	770	80600	122	11.1	98	7.2	34	28	E.02	E.006
MAR													
29...	1415	19.0	18.5	767	8100	143	10.8	116	7.3	38	31	<.04	.008
APR													
22...	1100	19.9	25.0	765	11000	174	10.2	112	6.9	38	31	<.04	.018
MAY													
17...	1400	25.3	32.0	769	23300	202	9.2	111	7.5	50	41	<.04	.034
JUN													
24...	1050	29.1	--	768	27900	220	8.4	109	7.5	57	46	<.04	E.006
JUL													
20...	1545	31.0	--	763	13700	203	8.2	110	7.2	57	47	<.04	.009
SEP													
28...	0950	26.0	25.0	762	3420	230	8.6	106	7.4	55	45	<.04	<.008

Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L (71851)	Nitrite water, fltrd, mg/L (71856)	Orthophosphate, water, fltrd, mg/L (00660)	Phosphorus, water, unfltrd mg/L (00665)	Orthophosphate, water, fltrd, mg/L as P (00671)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
OCT 2003									
08...	--	.19	--	--	.037	.055	.012	24.8	29.2
NOV									
13...	--	.29	--	--	.058	.095	.019	24.4	29.9
DEC									
23...	.23	.24	1.04	.026	.052	.076	.017	11.8	24.9
JAN 2004									
21...	.30	.31	1.31	.036	.037	.070	.012	10.1	27.9
FEB									
27...	--	.25	--	--	.028	.184	.009	5.52	18.6
MAR									
29...	.22	.23	.987	.026	--	.057	<.006	9.12	18.4
APR									
22...	.42	.44	1.87	.059	--	.063	<.006	12.2	19.4
MAY									
17...	.35	.38	1.54	.112	.049	.073	.016	12.2	27.2
JUN									
24...	--	.27	--	--	.021	.076	.007	11.8	32.1
JUL									
20...	.19	.20	.837	.030	.037	.069	.012	10.4	28.0
SEP									
28...	--	.27	--	--	.052	.070	.017	12.8	35.5

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)
NOV													
13...	<.025	<.004	.010	.01	<.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	E.005
JAN													
21...	<.025	<.004	.026	M	<.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	E.006
MAR													
29...	<.025	<.004	.029	<.01	<.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	E.005
APR													
22...	<.025	<.004	.027	.02	E.095	<.018	<.003	<.005	<.003	.010	<.004	<.009	.229
MAY													
17...	<.025	<.004	.020	.01	E.060	<.018	<.003	<.005	<.003	<.005	<.004	<.009	.024
JUN													
24...	<.025	<.004	.014	.01	E.021	<.018	<.003	<.005	<.003	<.005	<.004	<.009	.035
JUL													
20...	<.025	<.004	.009	.01	E.009	<.018	<.003	<.005	<.003	<.005	<.004	<.009	E.013
SEP													
28...	<.025	<.004	<.010	.01	<.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013

Date	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)
NOV													
13...	<.027	<.010	<.005	.012	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
JAN													
21...	<.027	<.010	<.005	.010	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
MAR													
29...	E.011	<.010	<.005	.020	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035
APR													
22...	<.027	<.010	<.005	2.56	<.005	<.006	.062	<.006	<.009	<.009	<.011	<.034	<.035
MAY													
17...	<.027	<.010	E.005	1.90	<.005	.084	<.006	<.006	<.009	<.009	<.011	<.034	<.035
JUN													
24...	<.027	<.010	<.005	.269	<.005	.016	<.006	<.006	<.009	<.009	<.011	<.034	<.035
JUL													
20...	<.027	<.010	<.005	.055	<.005	.011	<.006	<.006	<.009	<.009	<.011	E.060	<.035
SEP													
28...	<.027	<.010	<.005	.021	<.005	<.006	<.006	<.006	<.009	<.009	<.011	<.034	<.035

Date	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Propanil, water, fltrd 0.7u GF ug/L (82679)
NOV													
13...	<.015	<.004	<.004	E.01	E.013	<.005	<.010	<.020	<.02	<.007	<.02	<.002	<.011
JAN													
21...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
MAR													
29...	<.015	<.004	<.004	E.01	.005	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
APR													
22...	<.015	<.004	<.004	E.01	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
MAY													
17...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
JUN													
24...	<.015	<.004	<.004	E.01	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011
JUL													
20...	<.015	<.015	<.004	E.01	<.003	<.005	<.010	<.045	<.02	<.007	<.02	<.002	<.011
SEP													
28...	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
NOV								
13...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
JAN								
21...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
MAR								
29...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
APR								
22...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
MAY								
17...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
JUN								
24...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
JUL								
20...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
SEP								
28...	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Suspnd. sediment, sieve diametr percent <.063mm (70331)
OCT					
08...	1500	8110	16	350	93
NOV					
13...	1030	5110	22	304	95
DEC					
23...	0950	9770	18	475	97
JAN					
21...	1415	23800	21	1350	95
FEB					
27...	1010	80600	238	51800	73
MAR					
29...	1415	8100	23	503	90
APR					
22...	1100	11000	20	594	92
MAY					
17...	1400	23300	31	1950	87
JUN					
24...	1050	27900	34	2560	97
JUL					
20...	1545	13700	19	703	94
SEP					
28...	0950	3420	21	194	96

02469800 SATILPA CREEK NEAR COFFEEVILLE, AL

LOCATION.--Lat 31° 44'39", long 88° 01'21", in SW $^1/_4$ SW $^1/_4$ 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 mi^2.

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 NGVD of 1929 (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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 26	1400	3,370	13.55	Sep 17	1400	*3,810	*13.83

Minimum discharge, 17 ft^3/s, Aug. 8, 9, gage height, 2.46 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

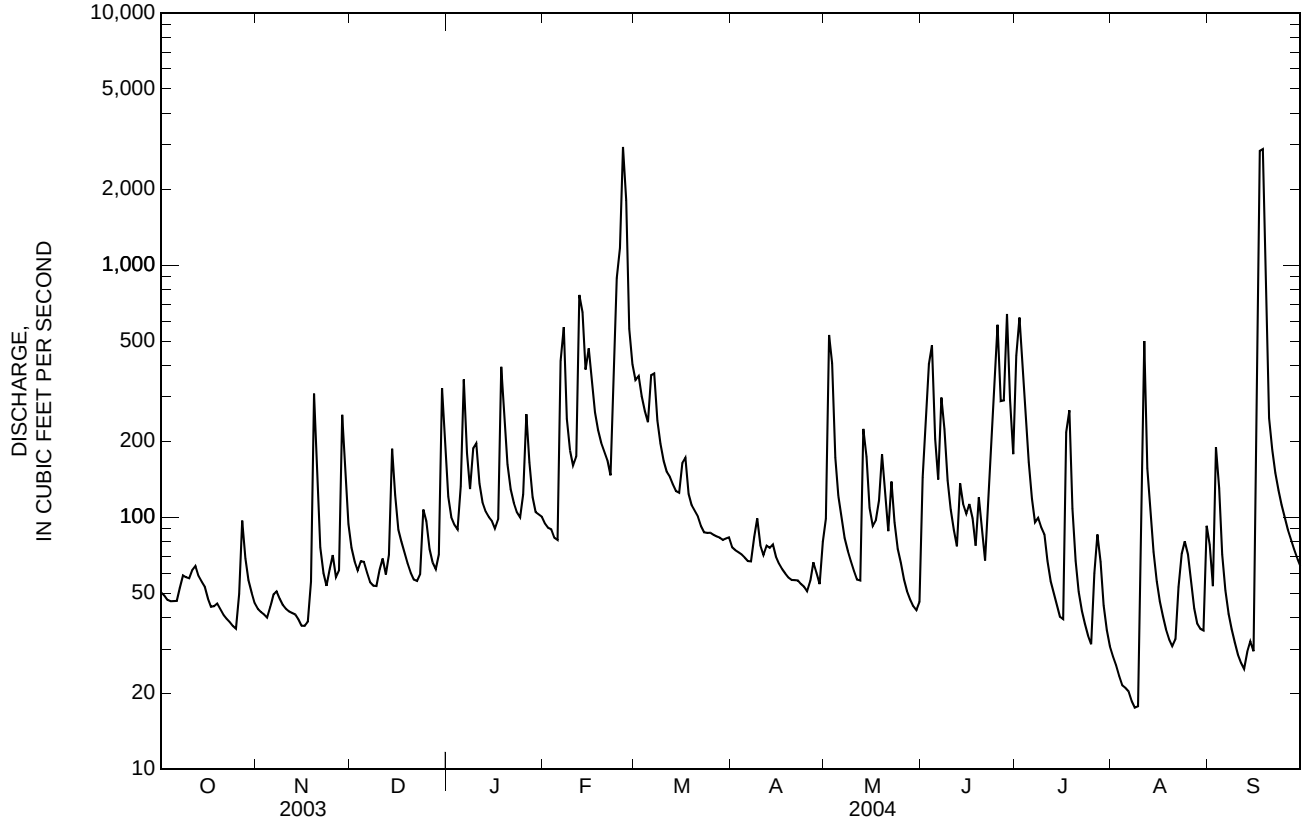
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	43	76	121	94	350	76	99	144	438	28	78
2	49	42	67	100	91	363	74	529	249	620	26	53
3	47	41	61	93	89	302	73	409	405	427	23	190
4	46	40	67	89	83	263	71	173	480	257	22	130
5	47	44	67	133	81	238	69	121	205	165	21	71
6	47	49	60	352	417	366	67	99	141	118	20	51
7	52	51	55	179	568	372	67	83	298	95	19	41
8	59	47	54	129	246	241	83	74	224	99	18	36
9	58	45	53	188	184	196	99	67	140	91	18	32
10	57	43	62	197	160	167	77	61	108	86	129	29
11	62	42	69	136	174	152	71	57	89	67	500	26
12	64	42	59	115	761	145	77	56	77	56	156	25
13	59	41	71	105	650	135	76	224	136	50	104	29
14	56	39	187	100	385	127	78	174	113	45	73	32
15	53	37	123	97	467	125	70	109	103	40	56	29
16	48	37	89	90	348	164	65	92	113	39	46	461
17	44	38	80	98	261	172	62	97	99	217	40	2,840
18	44	56	72	395	222	124	60	116	77	265	36	2,890
19	45	309	66	243	197	112	58	178	120	108	33	765
20	43	132	60	162	182	106	56	121	90	67	31	247
21	41	76	57	129	168	101	56	88	67	51	33	185
22	40	60	56	114	147	92	56	139	128	43	53	150
23	38	53	59	105	292	87	54	96	214	38	72	128
24	37	62	107	100	889	87	53	75	368	34	80	112
25	36	71	96	123	1,170	87	51	66	581	31	71	100
26	50	58	75	256	2,940	85	56	57	289	60	57	90
27	97	62	66	165	1,810	84	66	51	291	85	44	82
28	69	255	62	120	559	83	60	47	640	66	38	75
29	56	157	71	105	404	81	54	44	292	45	36	69
30	50	94	325	102	---	82	80	43	178	36	36	64
31	46	---	189	101	---	83	---	46	---	31	92	---
TOTAL	1,590	2,166	2,661	4,542	14,039	5,172	2,015	3,691	6,459	3,870	2,011	9,110
MEAN	51.3	72.2	85.8	147	484	167	67.2	119	215	125	64.9	304
MAX	97	309	325	395	2,940	372	99	529	640	620	500	2,890
MIN	36	37	53	89	81	81	51	43	67	31	18	25
CFSM	0.31	0.44	0.52	0.89	2.95	1.02	0.41	0.73	1.31	0.76	0.40	1.85
IN.	0.36	0.49	0.60	1.03	3.18	1.17	0.46	0.84	1.47	0.88	0.46	2.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2004, BY WATER YEAR (WY)

MEAN	70.1	137	251	373	451	543	365	186	144	103	65.3	66.7
MAX	402	515	1,681	1,132	1,802	1,376	1,299	1,025	667	614	289	304
(WY)	(1976)	(1998)	(1962)	(1990)	(1961)	(2001)	(1979)	(1980)	(2003)	(2003)	(1975)	(2004)
MIN	5.17	8.66	31.0	45.8	48.9	155	60.1	17.2	11.0	6.82	9.58	6.66
(WY)	(2001)	(1964)	(1964)	(1981)	(2000)	(1957)	(1963)	(2000)	(1988)	(2000)	(2000)	(2000)

02469800 SATILPA CREEK NEAR COFFEEVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1957 - 2004	
ANNUAL TOTAL	110,670		57,326			
ANNUAL MEAN	303		157		228	
HIGHEST ANNUAL MEAN					408	1983
LOWEST ANNUAL MEAN					48.6	2000
HIGHEST DAILY MEAN	3,510	Jul 2	2,940	Feb 26	15,300	Mar 4, 1979
LOWEST DAILY MEAN	36	Oct 25	18	Aug 8	2.9	Aug 31, 2000
ANNUAL SEVEN-DAY MINIMUM	39	Nov 11	20	Aug 3	3.1	Aug 25, 2000
MAXIMUM PEAK FLOW			3,810	Sep 17	25,600	Jul 8, 1956
MAXIMUM PEAK STAGE			13.83	Sep 17	18.37	Jul 8, 1956
ANNUAL RUNOFF (CFSM)	1.85		0.955		1.39	
ANNUAL RUNOFF (INCHES)	25.10		13.00		18.93	
10 PERCENT EXCEEDS	585		304		472	
50 PERCENT EXCEEDS	157		81		88	
90 PERCENT EXCEEDS	52		39		16	



02470050 TOMBIGBEE RIVER NEAR LEROY, AL

LOCATION.--Lat 31° 29'09", long 87° 54' 32", in SW $^{1}/_{4}$ sec. 21, T. 6 N., R. 2 E., Washington County, Hydrologic Unit 03160203, on right bank at Charles R. Loman powerplant, 2.2 mi upstream from East Bassetts Creek, 3.0 mi southeast of Leroy, and at mile 44.5.

DRAINAGE AREA.--19,120 mi^2.

PERIOD OF RECORD.--October 2001 to current year. January 1980 to September 2001 in files of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Records since Jan. 16, 1985, include diversions from Tennessee River basin through Bay Springs lock on Tennessee-Tombigbee Waterway. Some regulation by several reservoirs and locks and dams on Tombigbee and Black Warrior Rivers. (See Reservoirs in Mobile River Basin).

EXTREMES OUTSIDE PERIOD OF RECORD.--Significant flood events include 31.96 ft, April 1976; 32.78 ft, March 1979; 35.89 ft, April 1979; 28.20 ft, March 1990.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 29.71 ft, Feb. 15; minimum elevation, 1.20 ft, Sept. 7.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.03	3.01	21.10	12.93	13.75	24.31	5.82	5.33	---	19.54	4.58	3.46
2	2.33	2.91	19.82	13.05	12.03	22.91	5.14	5.73	---	20.78	4.46	3.20
3	2.44	2.45	17.90	11.81	10.38	21.34	4.76	8.38	10.83	21.62	3.73	2.86
4	2.82	2.39	15.14	10.67	9.35	20.94	4.87	10.04	10.80	21.66	3.77	2.78
5	2.56	3.12	12.97	9.38	8.57	21.22	4.35	9.26	10.72	20.90	3.36	2.50
6	2.47	3.77	11.93	10.40	11.23	21.34	3.82	7.84	10.35	19.42	3.03	1.46
7	2.66	3.63	10.89	13.89	20.42	21.96	3.99	6.70	8.75	17.38	2.50	1.37
8	3.13	3.35	9.56	15.12	24.19	23.41	4.00	5.59	8.69	15.54	2.14	1.45
9	---	3.01	8.09	14.68	25.74	24.63	4.99	---	11.50	14.15	1.92	1.89
10	2.64	2.20	7.94	14.78	26.81	25.55	6.01	3.44	11.53	13.29	---	1.63
11	4.18	2.81	8.20	15.03	27.64	26.21	6.52	3.52	8.58	12.28	3.27	1.54
12	5.73	3.03	9.24	14.35	28.31	26.51	7.86	2.84	6.84	10.51	3.45	1.92
13	6.24	3.00	9.70	13.05	28.92	26.14	10.58	3.32	5.41	8.54	3.73	1.66
14	5.32	2.16	9.88	11.79	29.46	24.53	11.76	3.37	3.93	7.08	3.17	2.29
15	3.66	2.82	9.43	10.76	29.69	21.69	11.49	3.93	5.71	6.11	2.48	3.13
16	3.20	2.98	8.79	9.43	29.55	19.17	10.90	4.58	7.15	5.38	1.89	5.13
17	2.75	2.93	8.62	8.34	29.16	17.37	9.79	6.01	7.19	5.91	1.49	11.39
18	2.27	4.08	7.45	8.54	28.63	16.11	8.48	6.73	8.29	6.02	1.48	15.80
19	2.95	5.56	6.78	8.97	28.09	15.17	7.21	6.53	9.17	5.70	1.42	17.89
20	2.72	8.31	6.50	10.24	27.41	13.80	5.44	6.41	8.58	5.10	1.81	17.24
21	2.93	10.15	5.94	10.06	26.32	12.02	4.71	5.68	6.60	4.64	2.27	15.02
22	3.15	9.44	5.25	9.74	24.45	10.64	4.53	4.94	4.65	4.07	2.76	12.65
23	2.88	8.21	5.10	9.07	22.27	9.02	4.30	4.11	---	3.71	2.88	10.99
24	2.81	7.40	5.58	8.02	21.42	8.12	3.83	3.49	5.09	3.05	3.19	10.11
25	2.55	6.33	7.19	7.65	21.54	7.22	3.78	2.85	7.00	2.78	3.79	9.09
26	3.31	7.10	8.06	10.16	22.52	6.58	4.08	2.82	8.65	3.00	3.95	7.47
27	3.49	7.72	7.86	15.25	23.87	6.04	6.16	2.29	11.62	2.92	4.13	5.76
28	5.46	13.80	7.31	17.73	24.70	5.95	6.55	2.02	14.71	3.74	3.58	3.90
29	4.79	19.00	6.27	17.60	24.86	5.39	6.05	2.12	16.39	5.05	3.70	3.23
30	4.11	20.86	7.00	16.66	---	5.01	5.59	2.72	18.05	5.40	4.83	2.90
31	3.58	---	10.50	15.42	---	5.85	---	2.82	---	4.69	3.87	---
MEAN	---	5.92	9.55	12.08	22.80	16.65	6.25	---	---	9.68	---	6.06
MAX	---	20.86	21.10	17.73	29.69	26.51	11.76	---	---	21.66	---	17.89
MIN	---	2.16	5.10	7.65	8.57	5.01	3.78	---	---	2.78	---	1.37

02470072 BASSETT CREEK AT U.S. HIGHWAY 43 NEAR THOMASVILLE, AL

LOCATION.--Lat 31° 51'50", long 87° 44'50", in SW $^1/_4$ 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 mi^2.

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 NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharge. 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 FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 16	1430	*1,780	*10.48	No other peak greater than base discharge.			

Minimum discharge, 0.03 ft^3/s, Aug. 8, 9, Sept. 11, 12, gage height, -0.57 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

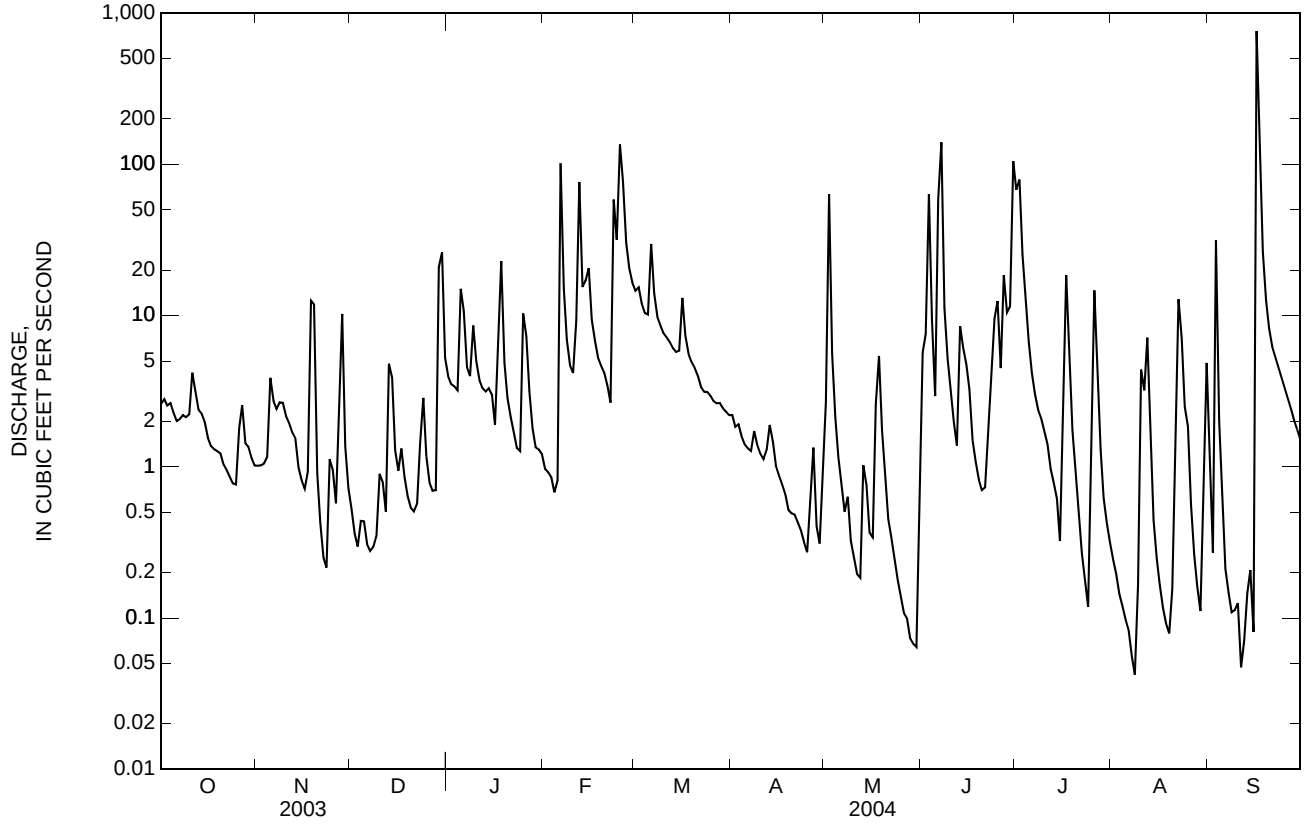
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	1.0	0.53	4.0	0.97	15	2.2	2.7	5.7	68	0.24	1.1
2	2.8	1.0	0.36	3.5	0.92	15	1.8	64	7.6	79	0.20	0.27
3	2.5	1.1	0.30	3.4	0.85	12	1.9	5.6	64	25	0.14	31
4	2.6	1.2	0.44	3.2	0.68	10	1.6	2.1	9.4	14	0.12	2.0
5	2.3	3.9	0.44	15	0.81	10	1.4	1.2	2.9	6.7	0.10	0.74
6	2.0	2.7	0.31	11	101	30	1.3	0.75	59	4.1	0.08	0.21
7	2.1	2.4	0.28	4.6	15	14	1.3	0.51	140	3.0	0.06	0.15
8	2.2	2.7	0.30	4.0	6.9	9.8	1.7	0.63	11	2.4	0.04	0.11
9	2.1	2.7	0.35	8.6	4.7	8.6	1.4	0.32	5.2	2.1	0.17	0.11
10	2.2	2.2	0.90	5.0	4.2	7.6	1.2	0.25	3.1	1.7	4.4	0.13
11	4.2	2.0	0.80	3.7	9.3	7.2	1.1	0.20	2.0	1.4	3.2	0.05
12	3.2	1.7	0.51	3.3	76	6.7	1.3	0.18	1.4	0.97	7.1	0.07
13	2.4	1.5	4.8	3.2	15	6.1	1.9	1.0	8.5	0.78	1.3	0.15
14	2.2	0.99	3.9	3.3	17	5.7	1.5	0.76	6.1	0.62	0.45	0.21
15	2.0	0.82	1.3	3.0	21	5.9	1.0	0.37	4.8	0.32	0.25	0.08
16	1.6	0.72	0.94	1.9	9.3	13	0.87	0.34	3.2	1.6	0.17	759
17	1.4	0.93	1.3	6.2	6.8	7.3	0.76	2.6	1.5	19	0.12	172
18	1.3	13	0.85	23	5.3	5.6	0.66	5.4	1.1	6.0	0.09	26
19	1.3	12	0.64	4.9	4.6	4.9	0.52	1.7	0.82	1.7	0.08	13
20	1.2	0.91	0.54	2.9	4.2	4.5	0.49	0.89	0.70	0.97	0.16	8.2
21	1.0	0.43	0.51	2.1	3.4	4.0	0.48	0.45	0.73	0.51	1.4	6.2
22	0.95	0.25	0.57	1.7	2.7	3.4	0.43	0.34	1.6	0.27	13	5.3
23	0.86	0.22	1.4	1.3	58	3.1	0.38	0.24	3.4	0.18	7.1	4.5
24	0.78	1.1	2.9	1.3	32	3.1	0.32	0.18	9.6	0.12	2.5	3.9
25	0.76	0.96	1.2	10	135	3.0	0.27	0.14	12	1.4	1.8	3.3
26	1.8	0.57	0.79	7.3	77	2.7	0.67	0.11	4.5	15	0.57	2.8
27	2.6	2.4	0.70	3.1	30	2.6	1.3	0.10	19	4.4	0.26	2.4
28	1.4	10	0.70	1.8	21	2.6	0.40	0.07	10	1.3	0.16	2.0
29	1.4	1.4	21	1.3	16	2.4	0.31	0.07	11	0.62	0.11	1.8
30	1.1	0.72	26	1.3	---	2.3	0.87	0.06	105	0.42	0.82	1.5
31	1.0	---	5.3	1.2	---	2.2	---	0.99	---	0.32	4.9	---
TOTAL	57.85	73.52	80.86	150.1	679.63	230.3	31.33	94.25	514.85	263.90	51.09	1,048.28
MEAN	1.87	2.45	2.61	4.84	23.4	7.43	1.04	3.04	17.2	8.51	1.65	34.9
MAX	4.2	13	26	23	135	30	2.2	64	140	79	13	759
MIN	0.76	0.22	0.28	1.2	0.68	2.2	0.27	0.06	0.70	0.12	0.04	0.05
CFSM	0.18	0.23	0.25	0.46	2.23	0.71	0.10	0.29	1.63	0.81	0.16	3.33
IN.	0.20	0.26	0.29	0.53	2.41	0.82	0.11	0.33	1.82	0.93	0.18	3.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	8.25	13.4	17.1	25.4	21.7	33.7	12.4	5.70	13.9	8.19	4.17	11.4
MAX	23.3	45.6	46.2	62.8	47.8	70.3	30.7	22.0	44.3	31.8	20.5	34.9
(WY)	(1998)	(1996)	(1996)	(1998)	(1998)	(2001)	(1997)	(2003)	(2003)	(2003)	(1996)	(2004)
MIN	0.00	0.41	1.37	2.74	3.09	7.43	1.04	0.08	0.05	0.18	0.41	0.10
(WY)	(2001)	(2000)	(2000)	(2000)	(2000)	(2004)	(2004)	(2000)	(2002)	(2000)	(2000)	(1999)

02470072 BASSETT CREEK AT U.S. HIGHWAY 43 NEAR THOMASVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	6,234.53		3,275.96			
ANNUAL MEAN	17.1		8.95		14.6	
HIGHEST ANNUAL MEAN					25.7	1996
LOWEST ANNUAL MEAN					2.28	2000
HIGHEST DAILY MEAN	471	Jul 1	759	Sep 16	759	Sep 16, 2004
LOWEST DAILY MEAN	0.22	Nov 23	0.04	Aug 8	0.00	Jul 13, 2000
ANNUAL SEVEN-DAY MINIMUM	0.35	Dec 3	0.10	Aug 3	0.00	Jul 18, 2000
MAXIMUM PEAK FLOW			1,780	Sep 16	1,780	Sep 16, 2004
MAXIMUM PEAK STAGE			10.48	Sep 16	10.48	Sep 16, 2004
ANNUAL RUNOFF (CFSM)	1.63		0.852		1.39	
ANNUAL RUNOFF (INCHES)	22.09		11.61		18.85	
10 PERCENT EXCEEDS	36		14		27	
50 PERCENT EXCEEDS	5.5		1.8		3.8	
90 PERCENT EXCEEDS	1.00		0.22		0.12	



02470629 MOBILE RIVER AT RIVER MILE 31.0 AT BUCKS, AL

LOCATION.--Lat 31° 00'56", long 88° 01'15", in SW $^1/_4$ sec. 30, T. 1 N., R. 1 E., Mobile County, Hydrologic Unit 03160204, on right bank, 0.3 mi east of U.S. Highway 43, 0.5 mi upstream from Berry Steam Plant, 10.0 mi downstream of the Old Fort Stoddard Boat Ramp in Mt. Vernon, and at river mile 31.0.

DRAINAGE AREA.--43,000 mi^2.

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage and velocity recorder. Datum of gage is NGVD of 1929.

REMARKS.--Estimated daily discharges: Feb. 5-11, and July 7-Aug. 25. Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,200 ft^3/s, Feb. 14, 2004; minimum discharge -9,010 ft^3/s, Sep. 16, 2004.

EXTREMES OUTSIDE PERIOD OF RECORD.--The peak discharge for the flood of March 1961, was estimated to be 538,000 ft^3/s based on a stage-discharge rating that was developed for station 02470630, 0.5 mi downstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 70,200 ft^3/s, Feb. 14, gage height, 7.52 ft; minimum discharge, -9,010 ft^3/s, Sept. 16, gage height, 3.53 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12,100	12,000	50,300	33,600	45,200	61,900	15,200	19,100	11,400	42,200	e16,000	13,000
2	11,400	10,700	52,300	36,400	41,700	59,900	15,900	22,700	21,100	44,400	e15,000	10,800
3	7,940	9,400	49,900	34,700	37,700	57,600	17,400	27,800	26,300	46,700	e13,000	9,960
4	9,300	5,760	46,000	30,800	32,700	54,800	18,000	31,400	29,100	47,700	e14,000	10,900
5	9,130	8,610	41,800	29,200	e31,000	52,900	15,300	33,300	26,700	47,800	e14,400	12,300
6	7,860	13,000	38,200	28,400	e38,000	52,200	13,200	31,800	25,200	47,400	e15,000	15,500
7	6,920	14,900	33,900	31,700	e45,000	52,300	12,600	28,300	23,500	e46,000	e14,000	6,390
8	9,640	14,100	29,200	36,700	e50,000	52,800	11,300	22,100	23,100	e44,000	e12,000	5,000
9	10,000	13,900	23,300	39,400	e54,000	54,300	12,200	13,800	24,600	e42,000	e8,000	6,460
10	8,750	9,340	25,100	41,100	e59,000	56,900	15,900	11,100	25,600	e38,000	e4,000	6,140
11	14,100	10,800	25,200	40,200	e64,000	58,100	18,500	11,400	22,600	e32,000	e8,000	4,250
12	18,600	12,000	25,500	39,400	67,500	58,800	20,000	9,030	19,200	e28,000	e12,000	4,330
13	18,800	16,000	27,000	37,700	69,000	58,800	26,300	11,500	16,000	e24,000	e14,000	4,280
14	17,400	10,100	30,300	34,800	69,000	58,500	28,700	14,600	10,100	e23,000	e13,000	7,750
15	14,600	10,200	30,500	31,600	66,200	56,200	29,600	17,200	13,100	e20,000	e12,000	13,500
16	12,200	9,500	28,400	27,700	60,300	52,000	29,000	16,600	23,900	e18,000	e12,000	15,700
17	11,800	8,360	28,200	23,500	55,100	47,800	27,800	16,400	25,900	e18,000	e8,000	38,400
18	12,200	8,210	25,700	23,400	52,800	44,200	24,600	17,400	23,900	e17,000	e6,000	45,000
19	13,100	18,500	25,200	26,300	53,800	41,000	20,000	17,400	23,100	e16,000	e7,000	41,700
20	12,500	23,000	25,100	27,200	57,000	37,000	16,500	19,700	22,200	e15,000	e7,300	46,600
21	10,400	28,300	25,100	29,300	60,200	32,700	13,900	19,400	18,400	e16,000	e8,000	48,600
22	11,500	30,900	22,000	30,100	61,400	29,300	13,800	17,400	15,200	e16,000	e12,000	46,600
23	10,800	30,000	17,900	28,500	60,100	24,600	13,200	16,200	13,500	e15,000	e12,000	42,900
24	10,600	30,500	20,900	25,800	58,200	22,100	11,800	13,700	16,000	e14,000	e13,000	35,200
25	9,430	24,100	23,500	20,600	57,100	19,300	12,200	12,400	20,800	e10,000	e14,000	35,500
26	10,400	24,400	27,500	22,700	57,100	17,800	15,500	12,500	24,700	e12,000	12,400	39,900
27	11,600	25,200	27,800	34,200	59,400	15,200	17,600	11,600	28,700	e11,000	13,200	33,000
28	13,600	32,100	25,400	40,800	61,400	14,200	17,300	10,300	32,900	e12,000	14,300	25,300
29	14,400	41,100	20,200	46,400	62,300	12,400	16,600	10,400	36,800	e16,000	14,900	19,600
30	13,900	46,600	23,200	48,600	---	12,800	21,300	8,970	39,900	e20,000	15,200	18,500
31	13,000	---	28,100	47,600	---	18,500	---	11,100	---	e18,000	14,300	---
MEAN	11,870	18,390	29,760	33,170	54,700	41,510	18,040	17,310	22,780	26,360	11,870	22,100
MAX	18,800	46,600	52,300	48,600	69,000	61,900	29,600	33,300	39,900	47,800	16,000	48,600
MIN	6,920	5,760	17,900	20,600	31,000	12,400	11,300	8,970	10,100	10,000	4,000	4,250

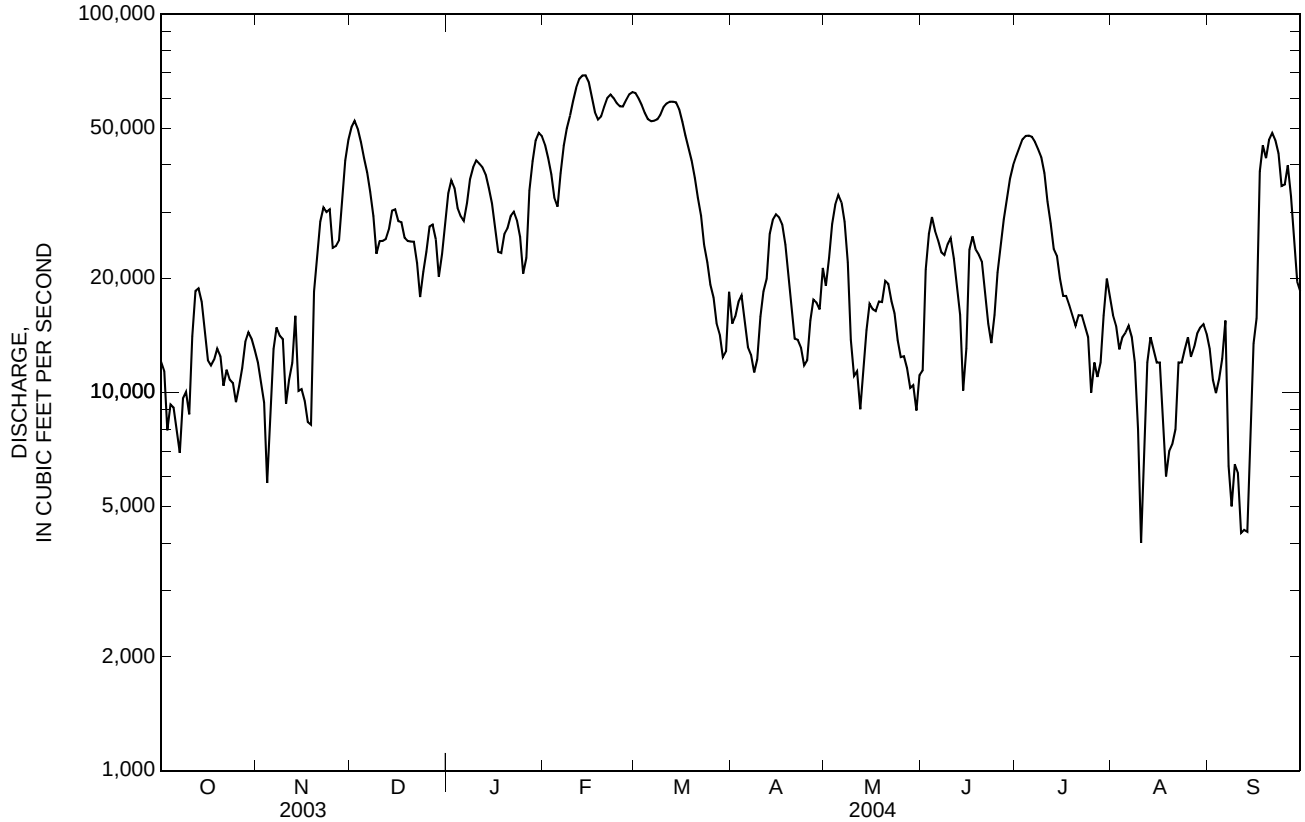
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	11,870	18,390	29,760	33,170	54,700	41,510	18,040	17,310	22,780	26,360	21,330	19,210
MAX	11,870	18,390	29,760	33,170	54,700	41,510	18,040	17,310	22,780	26,360	30,800	22,100
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2004)
MIN	11,870	18,390	29,760	33,170	54,700	41,510	18,040	17,310	22,780	26,360	11,870	16,320
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL MEAN	25,560		25,560	
HIGHEST ANNUAL MEAN			25,560	2004
LOWEST ANNUAL MEAN			25,560	2004
HIGHEST DAILY MEAN	69,000	Feb 13	69,000	Feb 13, 2004
LOWEST DAILY MEAN	4,000	Aug 10	4,000	Aug 10, 2004
ANNUAL SEVEN-DAY MINIMUM	5,260	Sep 7	5,260	Sep 7, 2004
MAXIMUM PEAK FLOW	70,200	Feb 14		
MAXIMUM PEAK STAGE	9.18	Feb 18		
10 PERCENT EXCEEDS	52,200		52,200	
50 PERCENT EXCEEDS	20,800		20,800	
90 PERCENT EXCEEDS	10,100		10,100	

e Estimated

02470629 MOBILE RIVER AT RIVER MILE 31.0 AT BUCKS, AL--Continued



ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.09	1.27	3.75	2.26	3.81	6.30	0.59	1.44	1.61	3.43	1.38	0.75
2	0.50	1.13	3.92	2.59	3.61	6.30	0.43	1.53	1.91	3.69	1.19	0.96
3	1.05	0.98	4.14	2.58	2.70	6.00	0.53	1.56	2.07	3.97	0.86	0.97
4	1.46	1.56	4.03	2.42	2.05	5.65	0.68	1.76	1.99	4.14	0.87	0.87
5	1.28	1.92	3.35	1.95	---	5.41	0.50	2.14	1.84	4.18	0.72	0.58
6	1.23	1.46	2.37	0.51	---	5.20	0.76	2.13	1.83	4.08	0.34	-0.36
7	1.26	1.01	1.99	1.22	---	4.86	1.05	1.87	1.71	3.88	0.60	0.03
8	1.18	0.74	1.96	2.32	---	4.56	1.18	1.35	1.69	3.62	1.15	0.55
9	1.42	0.66	2.10	2.88	---	4.65	1.09	1.34	1.63	3.09	1.07	0.86
10	1.63	0.92	2.32	2.48	---	4.82	1.19	1.35	1.83	2.73	1.37	0.81
11	1.46	1.23	1.48	2.75	---	5.10	1.32	1.36	1.65	2.40	1.15	0.96
12	1.59	1.38	1.54	2.72	6.51	5.34	1.83	1.45	1.37	1.80	1.21	1.18
13	1.71	0.79	2.16	2.66	6.91	5.51	1.45	1.55	1.29	1.57	0.57	1.11
14	1.46	0.64	2.18	2.43	7.39	5.61	0.92	1.69	1.69	1.52	0.47	1.45
15	0.63	1.31	2.15	2.05	8.06	5.53	1.21	1.64	2.49	1.44	0.47	2.00
16	1.01	1.58	2.19	1.80	8.66	5.16	1.44	1.44	2.32	1.35	0.54	3.54
17	1.27	1.47	1.30	1.89	9.05	4.55	1.46	1.48	2.01	1.31	0.57	3.85
18	0.81	2.46	1.35	2.23	9.13	4.03	1.20	1.50	1.84	1.21	0.62	4.15
19	1.18	1.66	0.94	1.34	8.87	3.48	1.19	1.53	1.58	1.05	0.80	4.49
20	1.32	1.16	1.13	1.14	8.44	2.89	1.08	1.58	1.39	0.94	1.11	4.97
21	1.26	1.78	1.37	1.61	7.97	2.03	1.66	1.50	1.39	0.94	0.83	5.31
22	1.03	2.11	1.47	1.75	7.43	1.10	1.65	1.71	1.24	0.81	0.77	5.49
23	1.12	2.49	1.69	1.66	6.91	1.39	1.27	1.86	1.18	0.67	0.90	5.49
24	1.26	2.08	0.93	1.51	6.47	1.33	1.16	1.69	1.11	0.64	1.01	5.22
25	1.22	1.59	1.20	1.99	6.08	1.40	1.19	1.39	1.39	0.61	1.04	4.66
26	1.41	1.89	1.55	1.83	5.87	1.15	0.87	1.16	1.52	0.80	1.06	3.59
27	1.00	2.45	1.80	2.14	5.70	1.09	0.78	1.09	1.84	0.76	1.14	2.55
28	1.42	2.38	1.84	2.52	5.75	1.10	1.03	1.11	2.28	0.80	1.21	1.87
29	1.72	2.52	1.99	3.30	6.02	1.04	1.31	1.01	2.78	1.16	1.16	1.45
30	1.64	3.34	1.16	3.76	---	0.85	1.77	1.60	3.09	1.48	1.20	1.46
31	1.37	---	1.76	3.75	---	0.80	---	1.43	---	1.60	0.93	---
MEAN	1.26	1.60	2.04	2.19	---	3.68	1.13	1.52	1.79	1.99	0.91	2.36
MAX	1.72	3.34	4.14	3.76	---	6.30	1.83	2.14	3.09	4.18	1.38	5.49
MIN	0.50	0.64	0.93	0.51	---	0.80	0.43	1.01	1.11	0.61	0.34	-0.36

02471001 CHICKASAW CREEK NEAR KUSHLA, AL

LOCATION.--Lat 30° 48'10", long 88° 08'36", in SE $^1/_4$ NE $^1/_4$ 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 mi^2.

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. WDR AL-01-1: 1955 (M).

GAGE.--Water-stage recorder. Datum of gage is 3.85 ft above NGVD of 1929. Prior to Aug. 2, 1964, water-stage recorder, Aug. 3, 1964, to Dec. 9, 1965, nonrecording gage, and Dec. 10, 1965, to September 1968, water-stage recorder at site 1.4 mi upstream at different datum.

REMARKS.--Estimated daily discharges: Oct. 1-3. 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 FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 26	1200	1,970	12.66	Sep 17	1000	3,540	15.29
May 1	0130	*5,820	*17.15				

Minimum discharge, 71 ft^3/s, May 30, 31, gage height, 2.60 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e110	112	156	205	186	357	112	3,370	792	767	158	432
2	e106	108	134	166	164	346	108	867	1,110	636	128	268
3	e102	104	124	152	154	311	106	620	663	740	114	217
4	101	100	159	144	146	283	104	390	448	591	101	249
5	101	103	156	136	138	265	102	283	283	422	92	168
6	100	109	131	131	206	265	101	235	198	312	87	132
7	103	108	119	122	317	261	98	197	173	292	82	116
8	106	105	114	117	227	227	109	172	144	523	77	109
9	108	102	117	155	177	203	185	152	281	863	75	101
10	125	100	209	184	161	188	135	138	292	490	371	93
11	242	100	200	149	201	180	117	129	216	311	460	87
12	250	100	146	129	887	176	145	133	152	259	373	85
13	173	98	162	122	864	172	177	205	131	230	189	104
14	142	93	432	118	533	165	158	306	398	207	131	133
15	127	89	355	116	521	168	126	205	876	185	107	113
16	115	92	215	113	397	216	108	162	855	166	94	2,010
17	109	94	170	143	297	227	98	145	469	190	86	3,120
18	107	110	149	485	252	183	93	134	303	306	80	1,050
19	105	260	133	409	223	164	90	294	577	238	76	427
20	102	226	124	252	205	154	86	232	405	175	77	300
21	99	144	118	196	192	145	85	158	241	148	190	246
22	96	117	116	172	177	135	88	125	249	133	324	217
23	94	105	122	158	334	129	88	113	378	123	247	200
24	91	101	192	149	1,140	127	82	107	395	116	361	188
25	90	102	184	148	1,130	129	77	97	975	110	211	174
26	194	97	141	213	1,810	128	165	89	1,010	109	148	161
27	332	130	126	219	1,140	125	246	84	609	155	126	150
28	235	537	119	171	555	124	146	79	453	262	109	141
29	162	425	138	149	409	121	106	75	704	159	149	133
30	134	215	411	164	---	121	2,130	73	1,050	124	173	129
31	120	---	353	219	---	119	---	73	---	136	410	---
TOTAL	4,181	4,286	5,525	5,506	13,143	5,914	5,571	9,442	14,830	9,478	5,406	11,053
MEAN	135	143	178	178	453	191	186	305	494	306	174	368
MAX	332	537	432	485	1,810	357	2,130	3,370	1,110	863	460	3,120
MIN	90	89	114	113	138	119	77	73	131	109	75	85
CFSM	1.08	1.14	1.43	1.42	3.63	1.53	1.49	2.44	3.95	2.45	1.40	2.95
IN.	1.24	1.28	1.64	1.64	3.91	1.76	1.66	2.81	4.41	2.82	1.61	3.29

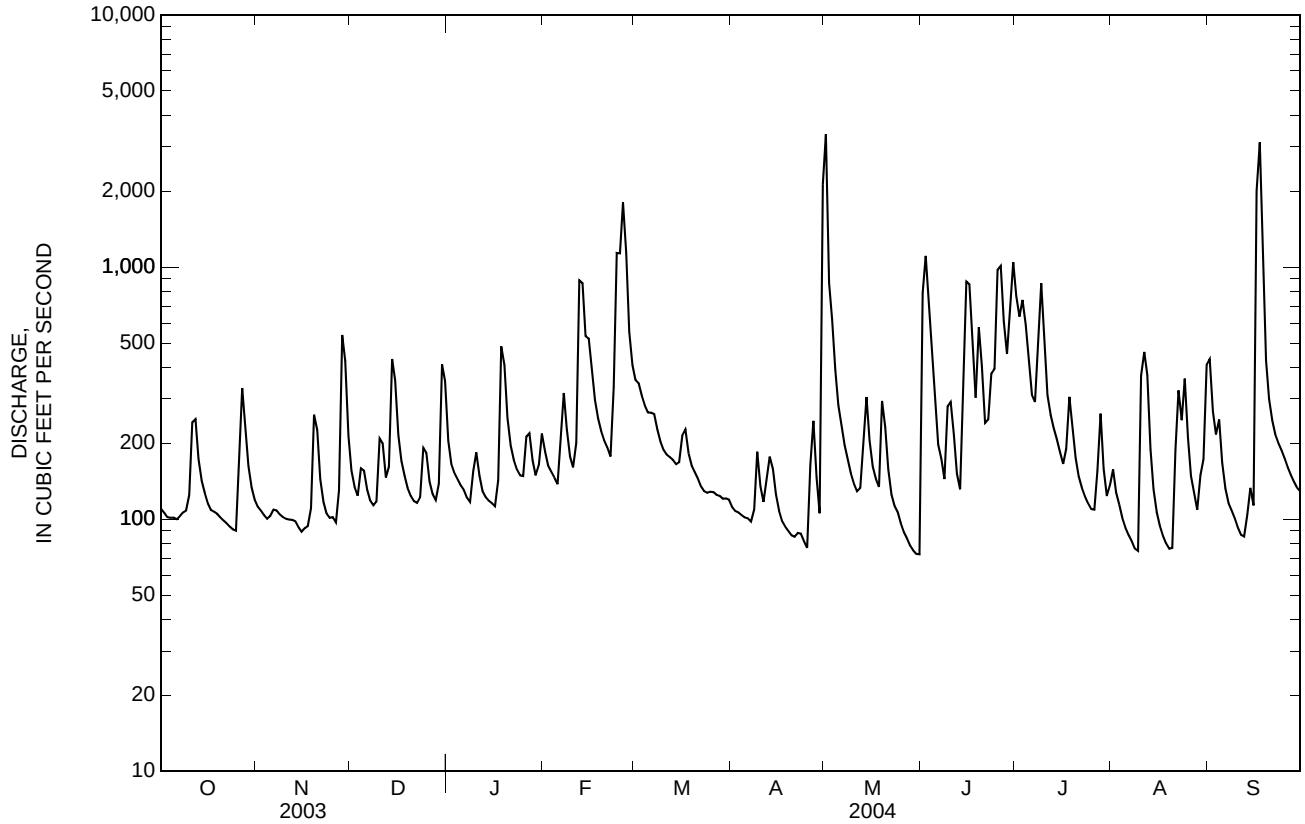
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

MEAN	166	203	270	353	397	412	370	259	217	220	215	219
MAX	742	1,021	761	986	769	1,082	1,792	1,156	1,039	769	941	1,255
(WY)	(1976)	(1962)	(1962)	(1998)	(1997)	(1990)	(1955)	(1991)	(1959)	(1997)	(1975)	(1998)
MIN	22.5	52.5	114	120	84.2	84.5	78.2	35.6	38.5	33.6	29.0	30.0
(WY)	(2001)	(1964)	(2000)	(2000)	(2000)	(1955)	(2000)	(2000)	(2000)	(2000)	(1954)	(1954)

02471001 CHICKASAW CREEK NEAR KUSHLA, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1952 - 2004	
ANNUAL TOTAL	119,028		94,335			
ANNUAL MEAN	326		258		274	
HIGHEST ANNUAL MEAN					495	1980
LOWEST ANNUAL MEAN					79.6	2000
HIGHEST DAILY MEAN	3,430	Jul 1	3,370	May 1	17,700	Apr 13, 1955
LOWEST DAILY MEAN	88	May 13	73	May 30	16	Aug 31, 2000
ANNUAL SEVEN-DAY MINIMUM	93	May 9	81	May 25	19	Aug 26, 2000
MAXIMUM PEAK FLOW			5,820	May 1	35,000	Apr 13, 1955
MAXIMUM PEAK STAGE			17.15	May 1	24.00	Apr 13, 1955
ANNUAL RUNOFF (CFSM)	2.61		2.06		2.20	
ANNUAL RUNOFF (INCHES)	35.42		28.07		29.83	
10 PERCENT EXCEEDS	643		474		538	
50 PERCENT EXCEEDS	223		156		165	
90 PERCENT EXCEEDS	105		97		67	

e Estimated



02471078 FOWL RIVER AT HALF MILE ROAD NEAR LAURENDINE, AL

LOCATION.--Lat 30° 30'02", long 88° 10'53", in NE $^1/_4$ 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 mi^2.

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 NGVD of 1929.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 31	2130	826	7.64	Jun 23	0430	557	7.13
May 18	2300	821	7.63	Jun 28	0430	716	7.44
Jun 7	0530	699	7.41	Jul 1	0200	*2,070	*9.24

Minimum discharge, 13 ft^3/s, May 31, June 1, 3, gage height, 2.53 ft.

REVISIONS.--Revised figures of discharge for the water year 2003, superseding those published in the report for 2003 are given below.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

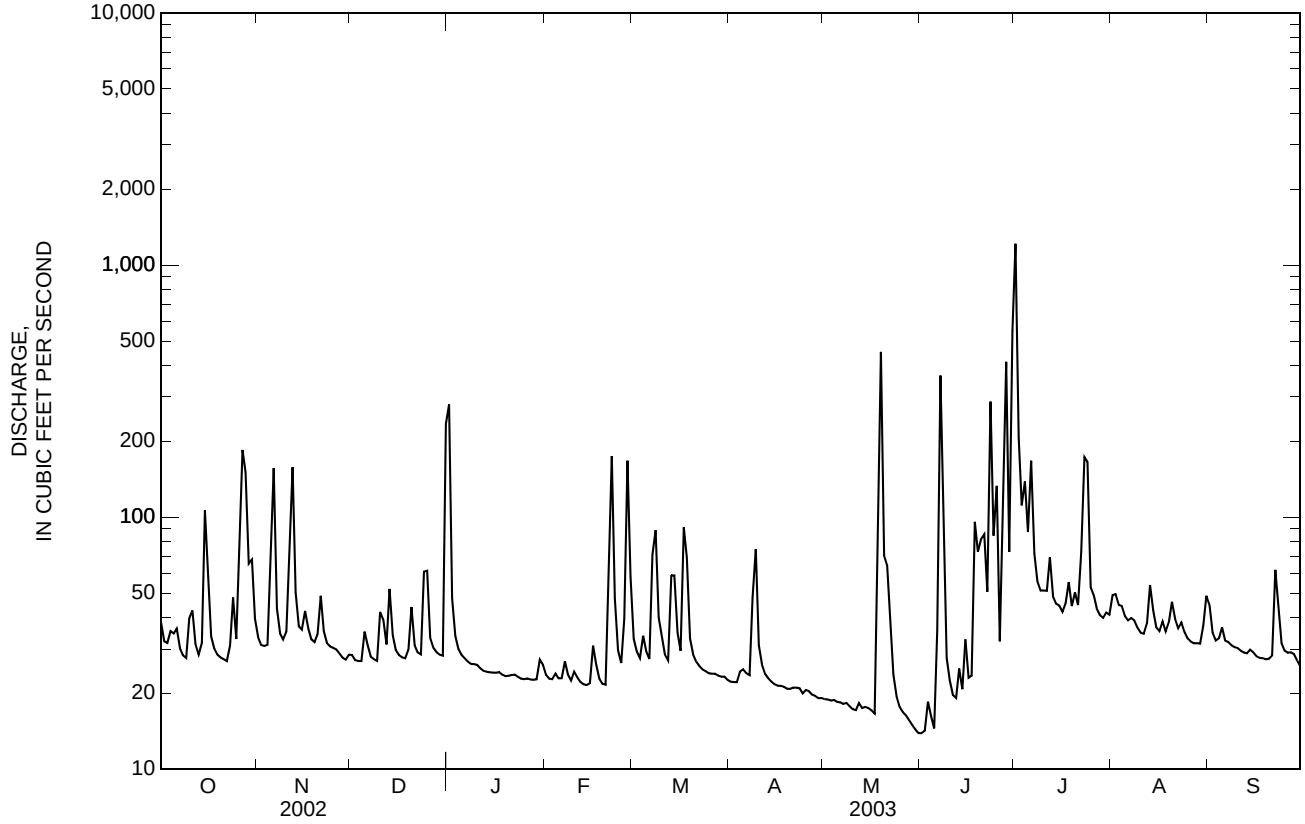
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	33	28	280	24	33	22	19	14	1,220	49	45
2	32	31	27	48	23	29	22	19	14	208	49	35
3	32	31	27	34	23	28	22	19	19	111	45	32
4	35	31	27	30	24	34	24	19	16	139	44	33
5	35	65	35	28	23	29	25	19	15	87	40	37
6	36	157	31	28	23	27	24	18	36	168	39	32
7	30	43	28	27	27	71	24	18	365	72	40	32
8	28	35	27	26	24	89	48	18	71	56	39	31
9	28	33	27	26	23	40	75	18	28	51	36	31
10	40	35	42	26	24	34	31	17	23	51	35	30
11	43	69	39	25	23	28	26	17	20	51	34	30
12	31	158	31	25	22	27	24	18	19	70	38	29
13	29	50	52	24	22	59	23	17	25	48	54	29
14	32	37	34	24	22	59	22	18	21	45	43	30
15	106	36	30	24	22	35	22	18	33	45	37	29
16	54	42	28	24	31	30	21	17	23	42	35	28
17	34	36	28	24	26	91	21	17	24	45	39	28
18	30	33	28	24	23	69	21	118	96	55	35	28
19	28	32	30	23	22	33	21	452	73	44	38	27
20	28	34	44	23	22	28	21	70	82	50	46	27
21	27	49	31	24	57	27	21	64	86	45	39	28
22	27	35	29	24	175	26	21	37	51	73	36	62
23	31	32	29	23	48	25	21	24	287	173	38	43
24	48	31	61	23	30	25	20	19	85	166	35	32
25	33	30	61	23	26	24	21	18	133	53	33	30
26	63	30	33	23	40	24	20	17	32	49	32	29
27	185	29	30	23	168	24	20	16	76	43	32	29
28	151	28	29	23	58	24	20	16	413	41	32	29
29	65	27	28	23	---	23	19	15	73	40	32	27
30	68	28	28	27	---	23	19	14	547	42	37	26
31	39	---	234	26	---	23	---	14	---	41	49	---
TOTAL	1,486	1,340	1,236	1,055	1,075	1,141	741	1,200	2,800	2,753	1,210	958
MEAN	47.9	44.7	39.9	34.0	38.4	36.8	24.7	38.7	93.3	88.8	39.0	31.9
MAX	185	158	234	280	175	91	75	452	547	1,220	54	62
MIN	27	27	27	23	22	23	19	14	14	26	32	26
CFSM	2.91	2.71	2.42	2.06	2.33	2.23	1.50	2.35	5.66	6.69	2.37	1.94
IN.	3.35	3.02	2.79	2.38	2.42	2.57	1.67	2.71	6.31	7.72	2.73	2.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

MEAN	34.7	35.6	32.1	49.7	36.8	54.6	41.2	32.1	40.4	57.8	30.7	50.0
MAX	67.0	60.9	48.2	175	63.2	106	113	53.7	93.3	189	39.0	179
(WY)	(1996)	(1996)	(1996)	(1998)	(1996)	(1998)	(1996)	(1995)	(2003)	(1997)	(2003)	(1998)
MIN	13.3	17.5	19.9	19.9	17.9	24.0	19.0	15.8	17.6	18.6	15.0	18.8
(WY)	(2001)	(2002)	(2002)	(2000)	(2000)	(2002)	(2000)	(2000)	(2002)	(2000)	(2000)	(2000)

02471078 FOWL RIVER AT HALF MILE ROAD NEAR LAURENDINE, AL—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1995 - 2003	
ANNUAL TOTAL	12,397		17,666			
ANNUAL MEAN	34.0		48.4		41.4	
HIGHEST ANNUAL MEAN					66.4	1998
LOWEST ANNUAL MEAN					20.7	2000
HIGHEST DAILY MEAN	962	Sep 26	1,220	Jul 1	2,220	Jul 19, 1997
LOWEST DAILY MEAN	12	May 28	14	May 30	11	Aug 30, 2000
ANNUAL SEVEN-DAY MINIMUM	13	May 22	15	May 27	12	Aug 25, 2000
MAXIMUM PEAK FLOW			2,070	Jul 1	6,940	Jul 19, 1997
MAXIMUM PEAK STAGE			9.24	Jul 1	12.56	Jul 19, 1997
ANNUAL RUNOFF (CFSM)	2.06		2.93		2.51	
ANNUAL RUNOFF (INCHES)	27.95		39.83		34.13	
10 PERCENT EXCEEDS	46		71		53	
50 PERCENT EXCEEDS	23		30		27	
90 PERCENT EXCEEDS	16		20		17	



02471078 FOWL RIVER AT HALF MILE ROAD NEAR LAURENDINE, AL

LOCATION.--Lat 30° 30'02", long 88° 10'53", in NE $^1/_4$ 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 mi^2.

PERIOD OF RECORD.--March 1995 to current year.

REVISED RECORD.--WDR AL-97-1: 1995-96 (P). WDR AL-04-1: 2003.

GAGE.--Water-stage recorder. Datum of gage is 16.96 ft above NGVD of 1929.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug 24	0800	526	7.06	Sep 16	1430	*1,500	*8.60

Minimum discharge, 20 ft^3/s, on several days, gage height, 2.31 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

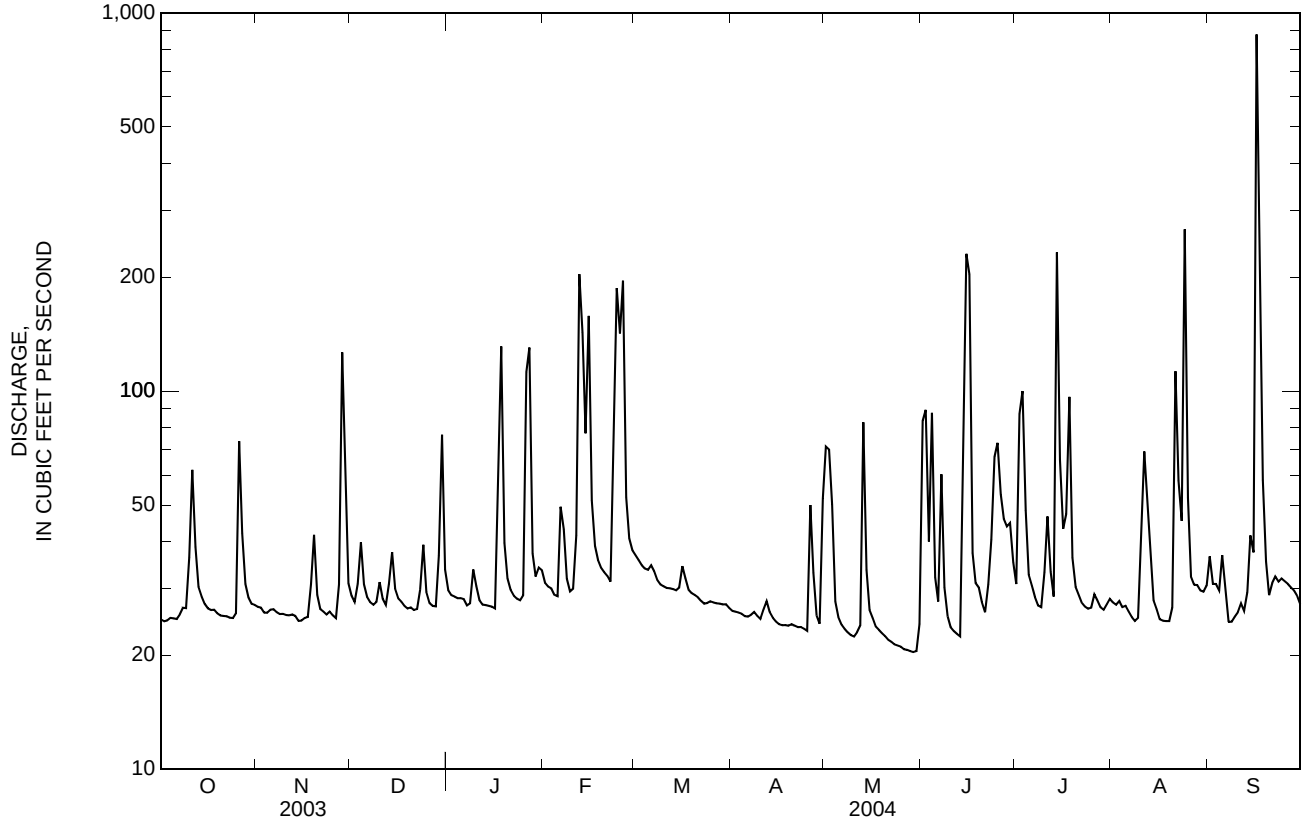
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	27	29	30	31	37	26	71	84	31	28	37
2	25	27	28	29	30	36	26	70	89	87	27	31
3	25	26	31	29	30	35	26	50	40	100	28	31
4	25	26	40	28	29	34	26	28	88	48	27	30
5	25	26	31	28	29	34	25	25	32	33	27	37
6	25	27	29	28	49	35	25	24	28	31	26	30
7	26	26	28	27	43	33	26	24	60	29	25	25
8	27	26	27	27	32	32	26	23	30	27	25	25
9	27	26	28	34	30	31	25	23	25	27	25	25
10	36	26	31	31	30	30	25	22	24	33	45	26
11	62	26	28	28	42	30	26	23	23	47	69	27
12	39	26	27	27	204	30	28	24	23	33	50	26
13	30	25	31	27	143	30	26	83	22	29	36	29
14	29	25	38	27	77	30	25	34	68	233	28	42
15	27	25	30	27	158	30	25	26	231	66	26	37
16	27	25	28	27	51	34	24	25	204	43	25	878
17	26	25	28	50	39	32	24	24	37	47	25	260
18	26	31	27	131	36	30	24	23	31	97	25	58
19	26	42	27	40	34	29	24	23	30	36	25	35
20	26	29	27	32	33	29	24	22	28	30	27	29
21	25	27	26	30	32	29	24	22	26	29	113	31
22	25	26	27	29	31	28	24	22	31	28	58	32
23	25	26	30	28	66	27	24	21	41	27	45	31
24	25	26	39	28	187	28	24	21	67	27	268	32
25	26	26	29	29	142	28	23	21	73	27	52	31
26	74	25	28	112	196	28	50	21	53	29	32	31
27	42	31	27	130	52	27	33	21	46	28	31	30
28	31	127	27	37	41	27	26	21	44	27	31	30
29	28	57	37	32	38	27	24	20	45	26	30	29
30	27	31	77	34	---	27	52	21	35	27	29	27
31	27	---	34	34	---	27	---	24	---	28	31	---
TOTAL	939	944	974	1,230	1,935	944	810	902	1,658	1,410	1,339	2,022
MEAN	30.3	31.5	31.4	39.7	66.7	30.5	27.0	29.1	55.3	45.5	43.2	67.4
MAX	74	127	77	131	204	37	52	83	231	233	268	878
MIN	25	25	26	27	29	27	23	20	22	26	25	25
CFSM	1.84	1.91	1.90	2.40	4.04	1.85	1.64	1.76	3.35	2.76	2.62	4.08
IN.	2.12	2.13	2.20	2.77	4.36	2.13	1.83	2.03	3.74	3.18	3.02	4.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	34.3	35.2	32.0	48.6	40.2	51.9	39.8	31.8	41.8	56.6	32.0	51.7
MAX	67.0	60.9	48.2	175	66.7	106	113	53.7	93.3	189	43.2	179
(WY)	(1996)	(1996)	(1996)	(1998)	(2004)	(1998)	(1996)	(1995)	(2003)	(1997)	(2004)	(1998)
MIN	13.3	17.5	19.9	19.9	17.9	24.0	19.0	15.8	17.6	18.6	15.0	18.8
(WY)	(2001)	(2002)	(2002)	(2000)	(2000)	(2002)	(2000)	(2000)	(2002)	(2000)	(2000)	(2000)

02471078 FOWL RIVER AT HALF MILE ROAD NEAR LAURENDINE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	16,461		15,107			
ANNUAL MEAN	45.1		41.3		41.4	
HIGHEST ANNUAL MEAN					66.4	1998
LOWEST ANNUAL MEAN					20.7	2000
HIGHEST DAILY MEAN	1,220	Jul 1	878	Sep 16	2,220	Jul 19, 1997
LOWEST DAILY MEAN	14	May 30	20	May 29	11	Aug 30, 2000
ANNUAL SEVEN-DAY MINIMUM	15	May 27	21	May 23	12	Aug 25, 2000
MAXIMUM PEAK FLOW			1,500	Sep 16	6,940	Jul 19, 1997
MAXIMUM PEAK STAGE			8.60	Sep 16	12.56	Jul 19, 1997
ANNUAL RUNOFF (CFSM)	2.73		2.50		2.51	
ANNUAL RUNOFF (INCHES)	37.11		34.06		34.11	
10 PERCENT EXCEEDS	70		61		53	
50 PERCENT EXCEEDS	28		29		27	
90 PERCENT EXCEEDS	20		24		18	



LAKES AND RESERVOIRS IN MOBILE RIVER BASIN

02399499 WEISS LAKE NEAR LEESBURG, AL

LOCATION.--Lat 34°10'19", long 85°45'14", in SE $^1/_4$ 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 mi^2, 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 NGVD of 1929.
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 midnight contents, 303,100 acre-ft, June 22,elevation, 563.89 ft; minimum daily contents, 143,800 acre-ft, Jan. 2, elevation, 557.25 ft.

MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	562.60	266,100	--	--
Oct. 31	560.95	223,300	-42,900	-698
Nov. 30	559.74	194,700	-28,500	-479
Dec. 31	557.25	143,800	-50,900	-829
CAL YR 2003			-8,400	-11
Jan. 31	560.39	209.700	+65,900	+1,070
Feb. 29	560.77	218,800	+9,100	+158
Mar. 31	563,68	296,900	+78,100	+1,270
Apr. 30	563.76	299,200	+2,300	+39
May 31	563.40	288,700	-10,500	-171
June 30	563.60	294,500	+5,800	+98
July 31	563.49	291,300	-3,200	-52
Aug. 31	563.09	279,800	-11,500	-187
Sept. 30	562.87	273,600	-6,200	-104
WTR YR 2004			+7,500	+10

02401620 H. NEELY HENRY RESERVOIR NEAR GADSDEN, AL

LOCATION.--Lat 33°47'02", long 86°03'10", in N $^1/_2$ 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 mi^2.
REVISED RECORDS.--WDR AL-84-1: Drainage area.
PERIOD OF RECORD.--April 1966 to current year.
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929(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, 120,700 acre-ft, May 18, elevation, 507.99 ft; minimum daily contents, 93,300 acre-ft, Feb. 25, elevation, 505.31 ft.

MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	507.33	113,500	--	--
Oct. 31	506.94	109,400	-4,100	-67
Nov. 30	506.26	102,400	-7,000	-118
Dec. 31	506.20	101,900	-500	-8
CAL YR 2003			-300	0
Jan. 31	506.04	100,300	-1,600	-26
Feb. 29	506.75	107,400	+7,100	+124
Mar. 31	506.68	106,700	-700	-11
Apr. 30	507.72	117,700	+11,000	+185
May 31	507.92	120,000	+2,300	+37
June 30	507.15	111,600	-8,400	-141
July 31	507.73	117,800	+6,200	+101
Aug. 31	507.58	116,200	-1,600	-26
Sept. 30	506.64	106,300	-9,900	-167
WTR YR 2004			-7,200	-10

02405200 LOGAN MARTIN RESERVOIR NEAR CHILDERSBURG, AL

LOCATION.--Lat 33°24'33", long 86°20'17", in NW $^1/_4$ 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 mi^2.
REVISED RECORDS.--WDR AL-84-1: Drainage area.
PERIOD OF RECORD.--July 1964 to current year.
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.
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 gage 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, 282,900 acre-ft, Sept. 18, elevation, 465.62 ft; minimum daily, 191,200 acre-ft, Feb. 5, elevation, 458.74 ft.

MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	464.44	264,900	--	--
Oct. 31	462.05	231,400	-33,500	-545
Nov. 30	460.89	216,600	-14,800	-249
Dec. 31	459.57	200,700	-15,900	-259
CAL YR 2003			-6,100	-8
Jan. 31	460.13	207,300	+6,600	+107
Feb. 29	459.90	204,600	-2,700	-47
Mar. 31	462.45	236,800	+32,200	+524
Apr. 30	464.90	271,800	+35,000	+589
May 31	464.92	272,100	+300	+5
June 30	464.75	269,500	-2,600	-44
July 31	464.63	267,700	-1,800	-29
Aug. 31	463.98	258,100	-9,600	-156
Sept. 30	464.18	261,000	+2,900	+49
WTR YR 2004			-3,900	-5

02407950 LAY LAKE NEAR CLANTON, AL

LOCATION.--Lat 32°57'54", long 86°31'03", in NE $^1/_4$ 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 mi^2.
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 NGVD of 1929 (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 NE $^1/_4$ 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 mi^2.
REVISED RECORDS.--WDR AL-84-1: Drainage area.
GAGE.--Staff gage. Datum of gage is NGVD of 1929 (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 N $^1/_2$ 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 mi^2.
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 NGVD of 1929 (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 32o34'58", long 86o17'02", 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 MIDNIGHT, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	643,400	--	--
Oct. 31	660,300	+16,900	+275
Nov. 30	664,600	+4,300	+72
Dec. 31	661,600	-3,000	-49
CAL YR 2003.		+9,300	+13
Jan. 31	657,500	-4,100	-67
Feb. 29	664,700	+7,200	+125
Mar. 31	661,800	-2,900	-47
Apr. 30	662,500	+700	+12
May 31	661,600	-900	-15
June 30	657,200	-4,400	-74
July 31	661,000	+3,800	+62
Aug. 31	659,500	-1,500	-24
Sept. 30	660,100	+600	+10
WTR YR 2004		+15,600	+22

02413950 HARRIS RESERVOIR NEAR WEDOWEE, AL

LOCATION.--Lat 33°15'37", long 85°37'00", in NW $^1/_4$ 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 mi^2, 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 NGVD of 1929 (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, 438,100 acre-ft, May 7, 2003, elevation, 794.15 ft; minimum daily contents, 299,600 acre-ft, Nov. 7, 2000, elevation, 779.40 ft.
EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 425,100 acre-ft, May 23, elevation, 792.94 ft; minimum daily, 332,900 acre-ft, Dec. 12, elevation 783.38 ft..

MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	788.92	384,000	--	--
Oct. 31	787.07	366,300	-17,700	-288
Nov. 30	784.66	344,200	-22,100	-372
Dec. 31	784.19	340,000	-4,200	-68
CAL YR 2003			-2,800	-4
Jan. 31	784.72	344,700	+4,700	+77
Feb. 29	784.85	345,900	+1,200	+21
Mar. 31	786.31	359,200	+13,300	+217
Apr. 30	792.58	421,300	+62,100	+1,040
May 31	792.65	422,000	+700	+11
June 30	792,50	420,400	+1,600	-27
July 31	791.19	406,800	-13,600	-221
Aug. 31	790.12	395,900	-10,900	-177
Sept. 30	790.88	403,600	+7,700	+129
WTR YR 2004			+19,600	+27

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 mi^2.
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 NGVD of 1929 (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, 1,611,800 acre-ft, May 16, elevation, 489.73 ft; minimum daily, 1,223,200 acre-ft, Feb. 5, elevation, 479.19 ft. .

MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	487.36	1,521,000	--	--
Oct. 31	485.27	1,443,600	-77,400	-1,260
Nov. 30	481.84	1,322,300	-121,300	-2,040
Dec. 31	479.53	1,244,400	-77,900	-1,270
CAL YR 2003			-73,700	-102
Jan. 31	479.54	1,244,700	+300	+5
Feb. 29	481.95	1,326,000	+81,300	+1,410
Mar. 31	485.48	1,451,300	+125,300	+2,040
Apr. 30	488.73	1,573,000	+121,700	+2,050
May 31	489.53	1,604,000	+31,000	+505
June 30	489.26	1,593,500	-10,500	-177
July 31	488.86	1,578,000	-15,500	-252
Aug. 31	487.86	1,539,800	-38,200	-622
Sept. 30	487.00	1,507,500	-32,300	-543
WTR YR 2004			-13,500	-19

02451950 LEWIS SMITH RESERVOIR NEAR JASPER, AL

LOCATION.--Lat 33°56'26", long 87°06'28", in W $^1/_2$ 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 mi^2.

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

GAGE.--Water-stage recorder with remote indicating gages. Datum of gage is NGVD of 1929 (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, 1,428,100 acre-ft, Mar. 7, elevation, 511.77 ft; minimum daily, 1,107,000 acre-ft, Jan. 24, elevation, 495.01 ft.

MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	501.17	1,215,200	--	--
Oct. 31	498.77	1,171,800	-43,400	-706
Nov. 30	497.29	1,145,800	-26,000	-437
Dec. 31	495.89	1,121,800	-24,000	-391
CAL YR 2003			-142,500	-197
Jan. 31	496.32	1,129,100	+7,300	+119
Feb. 29	507.95	1,347,200	+218,100	+3,800
Mar. 31	508.88	1,366,500	+19,300	+314
Apr. 30	510.19	1,394,000	+27,500	+463
May 31	509.86	1,387,000	-7,000	-114
June 30	509.82	1,386,200	-800	-13
July 31	506.76	1,323,000	-63,200	-1,030
Aug. 31	501.80	1,226,900	-96,100	-1,560
Sept. 30	498.04	1,158,900	-68,000	-1,100
WTR YR 2004			-56,300	-78

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30° 48'12", long 88° 27'31", in SW $^1/_4$ SW $^1/_4$ 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 mi^2.

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. Datum of gage is 46.00 ft NGVD of 1929.

REMARKS.--Estimated daily discharges: Aug. 9-13. Records fair.

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.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 27	2300	5,290	14.61	Apr 30	1400	*6,590	*15.52

Minimum discharge, 151 ft^3/s, Sept. 12, gage height, 2.55 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	381	359	2,020	1,610	838	3,910	353	4,880	488	2,130	588	851
2	350	328	1,610	1,290	732	2,560	337	3,130	1,590	2,810	835	569
3	328	304	1,140	1,060	656	1,830	324	2,430	2,270	3,360	751	466
4	317	289	873	857	590	1,550	311	2,030	2,500	3,570	559	379
5	306	295	640	687	550	1,400	300	1,790	2,600	2,880	357	351
6	299	358	486	616	643	1,320	292	1,400	2,090	2,370	265	289
7	300	349	421	572	1,360	1,310	283	923	1,630	1,750	225	248
8	303	325	386	562	1,680	1,270	406	591	1,250	1,940	199	209
9	306	309	369	710	1,530	1,160	416	431	895	1,760	e400	189
10	342	297	490	881	1,400	1,030	334	350	628	1,070	e600	178
11	595	287	576	882	1,410	918	314	307	424	793	e900	162
12	539	281	561	810	2,790	825	364	316	330	647	e1,400	153
13	454	273	608	705	3,700	727	345	1,050	324	498	e1,000	162
14	394	257	1,110	609	3,270	647	314	1,820	465	412	722	176
15	355	250	1,140	534	2,850	618	292	2,440	1,040	365	535	169
16	323	250	996	472	2,590	652	279	2,620	1,300	316	392	1,600
17	304	253	852	497	2,220	667	262	2,220	1,050	1,640	295	3,040
18	297	304	715	1,460	1,860	594	249	1,650	773	2,450	221	2,790
19	288	700	592	1,720	1,590	548	240	1,630	1,150	1,480	185	2,210
20	277	771	488	1,520	1,360	517	231	1,450	841	855	171	1,580
21	268	700	419	1,280	1,150	489	226	1,170	554	632	563	1,310
22	261	546	380	1,100	935	455	221	845	495	569	434	1,020
23	254	438	372	955	1,150	424	217	551	551	454	487	821
24	247	371	689	824	3,570	406	210	412	838	354	610	667
25	244	320	878	719	4,840	396	205	337	1,700	295	462	503
26	480	295	856	843	4,980	386	508	298	2,000	288	355	378
27	807	341	732	1,290	5,150	379	491	276	1,840	676	292	312
28	796	1,000	588	1,250	5,210	366	383	252	2,000	773	267	277
29	626	1,330	552	1,010	4,830	358	459	225	2,270	497	338	255
30	480	1,570	1,400	889	---	372	5,830	206	2,120	407	287	241
31	403	---	1,870	925	---	381	---	198	---	588	754	---
TOTAL	11,924	13,750	24,809	29,139	65,434	28,465	14,996	38,228	38,006	38,629	15,449	21,555
MEAN	385	458	800	940	2,256	918	500	1,233	1,267	1,246	498	718
MAX	807	1,570	2,020	1,720	5,210	3,910	5,830	4,880	2,600	3,570	1,400	3,040
MIN	244	250	369	472	550	358	205	198	324	288	171	153
CFSM	0.68	0.82	1.42	1.67	4.01	1.63	0.89	2.19	2.25	2.22	0.89	1.28
IN.	0.79	0.91	1.64	1.93	4.33	1.88	0.99	2.53	2.52	2.56	1.02	1.43

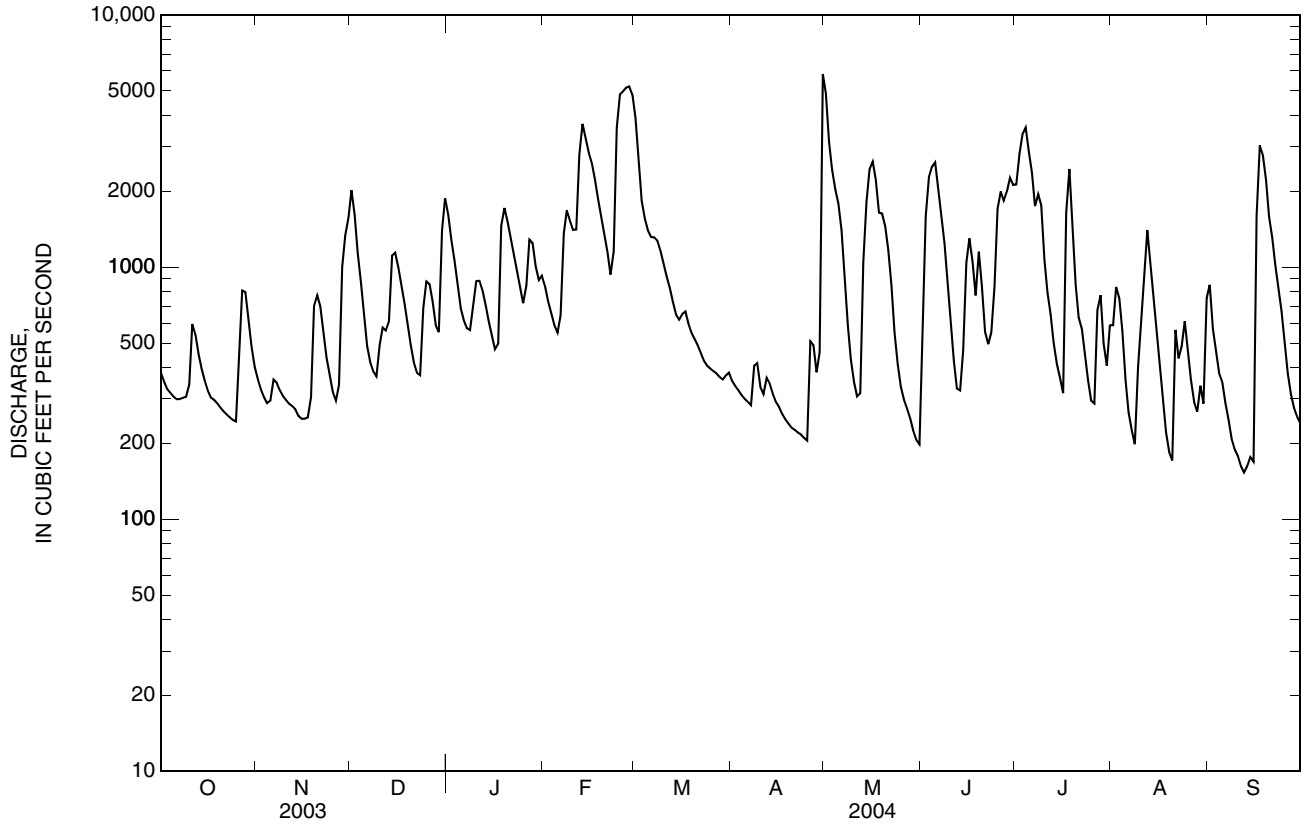
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2004, BY WATER YEAR (WY)

MEAN	591	837	1,157	1,708	1,923	2,054	1,579	1,220	812	722	564	746
MAX	3,528	2,587	2,597	4,452	4,280	4,383	5,986	6,818	2,573	3,355	2,675	2,386
(WY)	(1999)	(1980)	(1983)	(1998)	(1990)	(1979)	(1983)	(1991)	(2003)	(2003)	(1975)	(1974)
MIN	70.7	152	364	365	308	742	465	114	92.8	79.6	111	110
(WY)	(2001)	(1982)	(1982)	(1981)	(2000)	(1982)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1974 - 2004	
ANNUAL TOTAL	548,217		340,384			
ANNUAL MEAN	1,502		930		1,156	
HIGHEST ANNUAL MEAN					1,922	1980
LOWEST ANNUAL MEAN					307	2000
HIGHEST DAILY MEAN	10,600	Jul 2	5,830	Apr 30	26,800	Sep 30, 1998
LOWEST DAILY MEAN	228	May 14	153	Sep 12	62	Aug 31, 2000
ANNUAL SEVEN-DAY MINIMUM	263	Oct 19	170	Sep 9	66	Oct 27, 2000
MAXIMUM PEAK FLOW			6,590	Apr 30	27,800	Sep 30, 1998
MAXIMUM PEAK STAGE			15.52	Apr 30	22.81	Sep 30, 1998
ANNUAL RUNOFF (CFSM)	2.67		1.65		2.06	
ANNUAL RUNOFF (INCHES)	36.29		22.53		27.94	
10 PERCENT EXCEEDS	3,550		2,100		2,670	
50 PERCENT EXCEEDS	896		574		603	
90 PERCENT EXCEEDS	322		262		179	

e Estimated



02479945 BIG CREEK AT COUNTY ROAD 63 NEAR WILMER, AL

LOCATION.--Lat 30° 51'21", long 88° 20'02", in SE $^1/_4$ 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 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 125.44 ft above NGVD of 1929.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 30	0600	*2,790	*11.76	Sep 16	1700	720	8.57

Minimum discharge, 24 ft^3/s, May 28, 29, 30, 31, gage height, 2.01 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

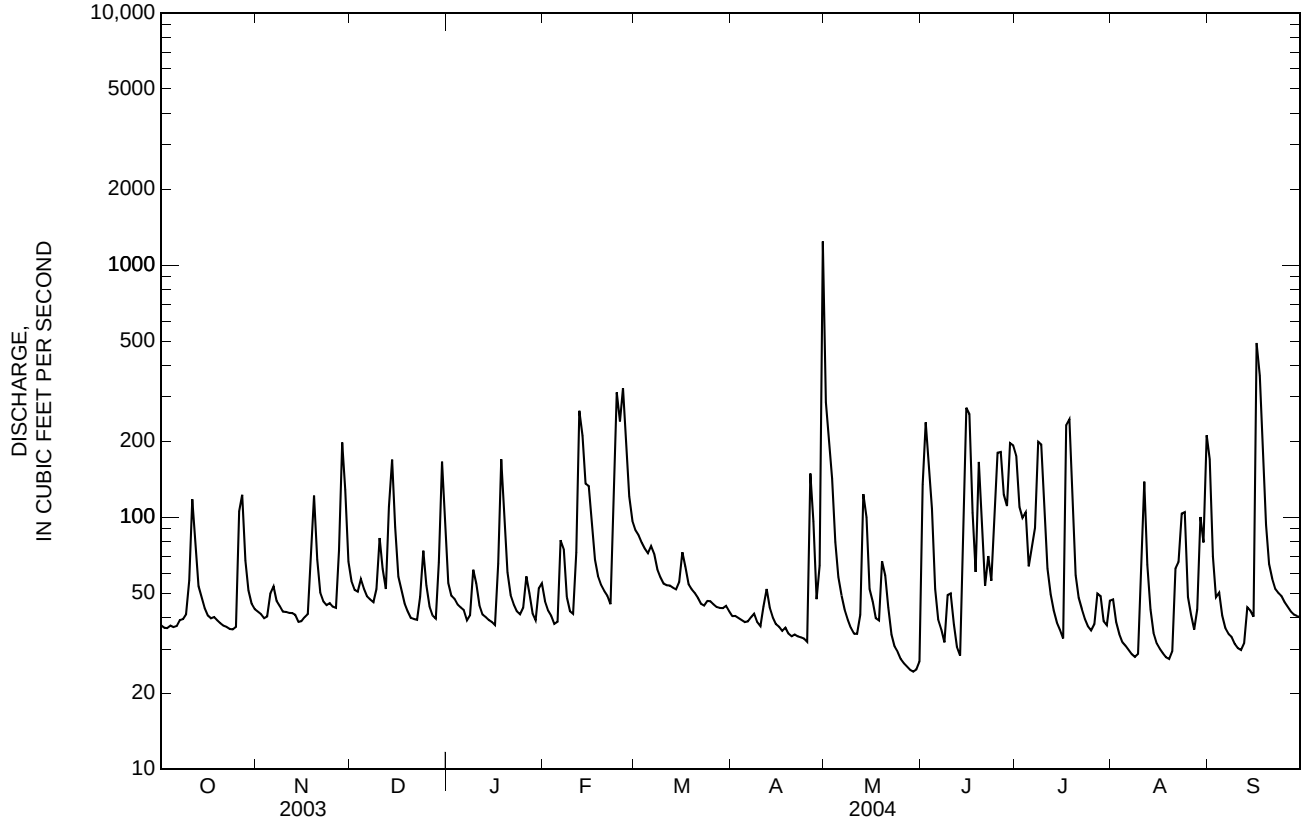
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	42	56	55	46	89	41	286	135	175	47	170
2	36	41	51	49	43	85	41	200	238	110	38	70
3	36	40	51	47	41	79	40	142	164	99	34	48
4	37	40	57	45	38	75	39	80	108	105	32	50
5	37	50	52	44	39	72	38	58	52	64	31	41
6	37	53	49	43	81	77	39	49	39	77	30	36
7	39	47	47	39	75	72	40	43	36	91	29	34
8	39	44	46	41	48	62	41	39	32	199	28	34
9	41	42	52	62	42	58	38	36	49	194	29	31
10	56	42	83	55	41	55	37	35	50	100	60	30
11	118	42	62	45	72	54	44	34	38	63	138	30
12	77	42	52	41	264	54	52	41	31	49	65	32
13	53	41	110	40	211	53	44	124	28	43	43	44
14	48	38	169	39	136	52	40	100	91	38	35	43
15	44	39	92	38	133	55	38	52	272	36	32	40
16	41	40	58	37	94	73	37	46	257	33	30	491
17	40	41	52	65	68	64	35	40	104	232	29	365
18	40	67	46	170	58	54	36	39	61	245	28	178
19	39	122	42	107	54	52	35	67	166	106	27	93
20	38	68	40	61	51	50	34	59	96	59	29	65
21	37	50	39	49	49	48	34	44	54	48	63	57
22	37	46	39	45	45	45	34	34	70	43	66	52
23	36	45	48	42	127	45	33	31	56	40	103	50
24	36	46	74	41	313	47	33	29	101	37	105	49
25	37	44	54	44	240	46	32	27	180	36	48	46
26	106	44	44	58	325	45	149	26	182	38	41	44
27	123	74	41	50	202	44	96	26	123	50	36	42
28	67	198	40	42	121	44	47	25	111	49	43	41
29	51	129	66	39	97	44	64	24	197	39	100	41
30	45	67	166	52	---	45	1,240	25	193	37	79	40
31	43	---	89	55	---	42	---	27	---	47	211	---
TOTAL	1,551	1,724	1,967	1,640	3,154	1,780	2,551	1,888	3,314	2,582	1,709	2,387
MEAN	50.0	57.5	63.5	52.9	109	57.4	85.0	60.9	110	83.3	55.1	79.6
MAX	123	198	169	170	325	89	1,240	286	272	245	211	491
MIN	36	38	39	37	38	42	32	24	28	33	27	30
CFSM	1.59	1.83	2.02	1.68	3.45	1.82	2.70	1.93	3.51	2.65	1.75	2.53
IN.	1.83	2.04	2.32	1.94	3.73	2.10	3.01	2.23	3.92	3.05	2.02	2.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	40.5	53.3	61.8	83.6	78.4	82.5	62.0	66.8	60.5	60.8	43.3	49.9
MAX	101	119	120	167	155	131	130	300	151	143	98.6	225
(WY)	(1999)	(1993)	(1996)	(1991)	(1992)	(1996)	(1996)	(1991)	(2003)	(2003)	(2003)	(1998)
MIN	8.31	15.6	22.9	28.3	21.1	30.1	21.0	11.0	11.4	9.29	10.6	11.1
(WY)	(2001)	(2002)	(2002)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)

02479945 BIG CREEK AT COUNTY ROAD 63 NEAR WILMER, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	31,993		26,247			
ANNUAL MEAN	87.7		71.7		62.2	
HIGHEST ANNUAL MEAN					94.7	2003
LOWEST ANNUAL MEAN					19.2	2000
HIGHEST DAILY MEAN	777	Jul 1	1,240	Apr 30	3,130	Sep 28, 1998
LOWEST DAILY MEAN	29	May 13	24	May 29	6.7	Aug 30, 2000
ANNUAL SEVEN-DAY MINIMUM	31	May 9	26	May 25	7.2	Aug 25, 2000
MAXIMUM PEAK FLOW			2,790	Apr 30	6,910	May 10, 1991
MAXIMUM PEAK STAGE			11.76	Apr 30	14.21	May 10, 1991
ANNUAL RUNOFF (CFSM)	2.78		2.28		1.98	
ANNUAL RUNOFF (INCHES)	37.81		31.02		26.86	
10 PERCENT EXCEEDS	177		135		130	
50 PERCENT EXCEEDS	58		47		38	
90 PERCENT EXCEEDS	39		34		16	



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 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	pH, water, unfltrd field, std units (00400)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)
NOV													
20...	1510	15.5	19.5	--	50	1.3	23	24	8.6	86	.8	5.5	510
FEB													
18...	1500	10.0	15.5	--	56	.6	23	24	11.5	101	.6	5.5	110
JUL													
06...	1300	24.0	--	767	64	E2.2	23	23	7.3	87	.6	5.5	87
SEP													
27...	1400	22.5	--	756	34	1.9	26	--	7.0	82	--	5.8	62

Date	E coli, m-TEC MF, water, col/ 100 mL (31633)	Total nitrogen, water, unfltrd mg/L (00600)	Total nitrogen, water, fltrd, mg/L (00602)	Organic nitrogen, water, unfltrd mg/L (00605)	Organic nitrogen, water, fltrd, mg/L (00607)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite water, unfltrd mg/L as N (00615)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Nitrite + nitrate water fltrd, mg/L as N (00631)
NOV													
20...	530	.40	--	.19	--	.02	.01	<.010	<.01	<.20	.20	.200	.20
FEB													
18...	96	.58	--	.26	--	.01	.04	<.010	<.01	<.20	.30	.280	.28
JUL													
06...	140	.49	.38	.27	.17	.03	.03	<.010	<.01	.20	.30	.190	.18
SEP													
27...	120	.52	.42	--	--	<.04	--	<.008	--	.24	.35	--	.17

Date	Ammonia water unfltrd mg/L (71845)	Ammonia water, fltrd, mg/L (71846)	Total nitrogen, water, unfltrd mg/L as NO3 (71887)	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, unfltrd mg/L (00680)	Organic carbon, water, fltrd, mg/L (00681)	Orthophosphate, water, unfltrd mg/L as P (70507)	Residue total at 105 deg. C, suspended, mg/L (00530)
NOV										
20...	.01	.03	1.8	.005	<.002	<.001	4.7	4.9	<.001	1
FEB										
18...	.05	.01	2.6	<.002	<.002	<.001	3.6	3.5	<.001	1
JUL										
06...	.04	.04	2.2	.020	<.002	<.001	8.6	8.5	A.002	4
SEP										
27...	--	--	--	.011	<.004	<.006	8.8	6.9	--	<10

02479980 CROOKED CREEK NEAR FAIRVIEW, AL

LOCATION.--Lat 30° 46'48", long 88° 19'08", in SW $^1/_4$ 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 mi^2.

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. Elevation of gage is 115 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 16	0930	*427	*5.96

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

Minimum discharge, 7.9 ft^3/s, May 29, gage height, 0.49 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

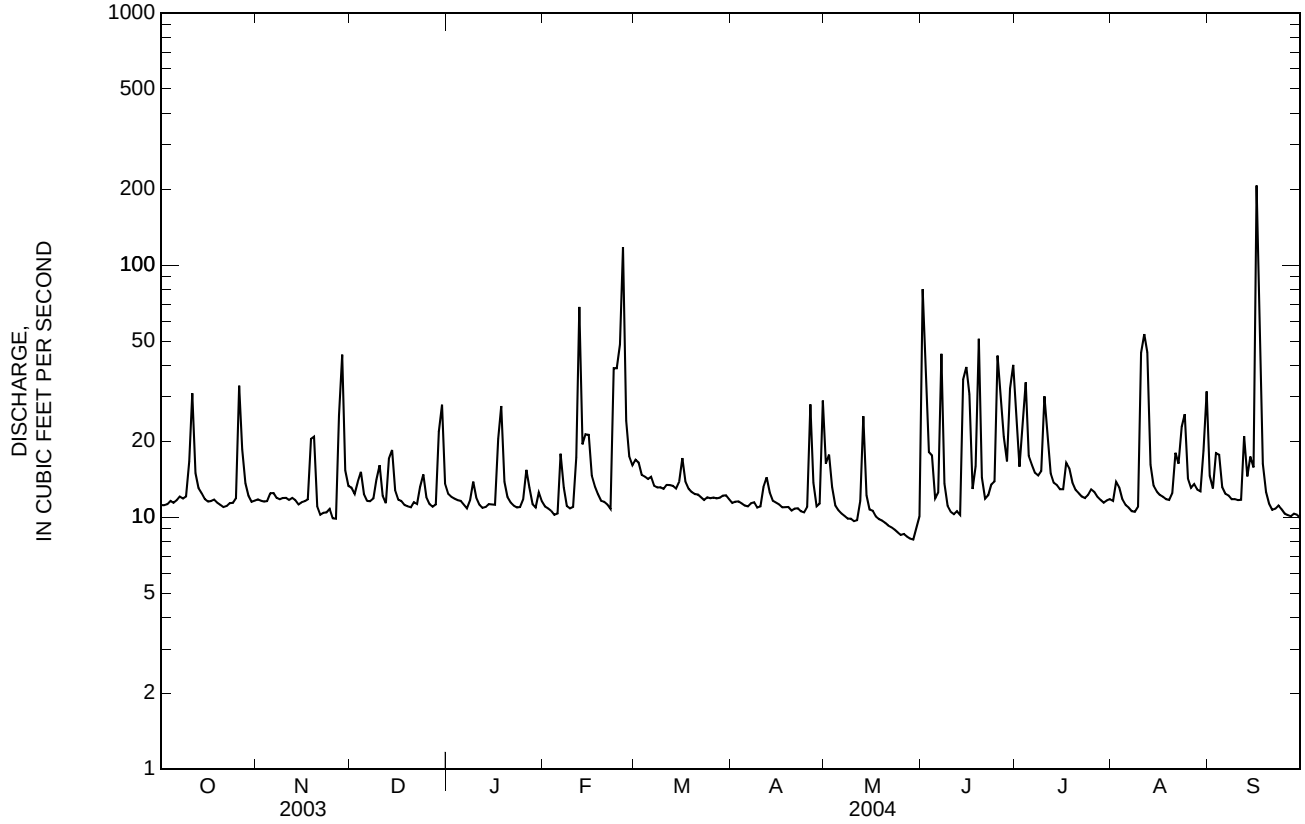
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	13	12	11	17	11	16	80	26	12	15
2	11	12	12	12	11	16	12	18	34	16	14	13
3	11	12	14	12	11	15	12	13	18	23	13	18
4	12	12	15	12	10	14	11	11	18	34	12	18
5	11	12	12	12	10	14	11	11	12	18	11	13
6	12	12	12	11	18	14	11	10	13	16	11	12
7	12	12	12	11	13	13	11	10	44	15	11	12
8	12	12	12	12	11	13	11	9.9	14	15	11	12
9	12	12	14	14	11	13	11	9.9	11	15	11	12
10	17	12	16	12	11	13	11	9.6	11	30	45	12
11	31	12	12	11	17	13	13	9.7	10	21	53	12
12	15	12	11	11	68	13	14	12	11	15	45	21
13	13	12	17	11	19	13	13	25	10	14	16	15
14	12	11	18	11	21	13	12	12	35	13	13	17
15	12	11	13	11	21	14	11	11	39	13	13	16
16	12	12	12	11	15	17	11	11	31	13	12	207
17	12	12	12	20	13	14	11	10	13	16	12	42
18	12	20	11	28	12	13	11	9.8	16	16	12	16
19	11	21	11	14	12	13	11	9.7	51	14	12	13
20	11	11	11	12	12	12	11	9.5	14	13	12	11
21	11	10	11	11	11	12	11	9.3	12	12	18	11
22	11	10	11	11	11	12	11	9.1	12	12	16	11
23	11	10	13	11	39	12	11	8.9	13	12	23	11
24	11	11	15	11	39	12	10	8.7	14	12	26	11
25	12	9.9	12	12	48	12	11	8.5	44	13	14	10
26	33	9.9	11	15	118	12	28	8.6	30	13	13	10
27	19	25	11	13	24	12	14	8.4	21	12	14	10
28	14	44	11	11	17	12	11	8.2	17	12	13	10
29	12	15	22	11	16	12	11	8.2	32	11	13	10
30	12	13	28	13	---	12	29	9.1	40	12	18	9.9
31	12	---	14	12	---	12	---	10	---	12	32	---
TOTAL	420	411.8	419	391	650	409	377	335.1	720	489	551	610.9
MEAN	13.5	13.7	13.5	12.6	22.4	13.2	12.6	10.8	24.0	15.8	17.8	20.4
MAX	33	44	28	28	118	17	29	25	80	34	53	207
MIN	11	9.9	11	11	10	12	10	8.2	10	11	11	9.9
CFSM	1.68	1.70	1.67	1.56	2.77	1.63	1.56	1.34	2.97	1.95	2.20	2.52
IN.	1.93	1.90	1.93	1.80	2.99	1.88	1.74	1.54	3.31	2.25	2.54	2.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	13.3	14.9	15.9	22.4	17.4	21.1	15.4	17.3	17.4	19.1	14.3	16.7
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)
MIN	5.65	6.58	7.83	8.63	7.90	12.8	8.21	7.14	10.1	7.17	8.96	7.91
(WY)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2000)	(2000)	(1992)	(1994)

02479980 CROOKED CREEK NEAR FAIRVIEW, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	6,097.7		5,783.8			
ANNUAL MEAN	16.7		15.8		17.2	
HIGHEST ANNUAL MEAN					28.9	1998
LOWEST ANNUAL MEAN					10.3	2000
HIGHEST DAILY MEAN	132	Jul 1	207	Sep 16	826	Sep 28, 1998
LOWEST DAILY MEAN	7.6	May 30	8.2	May 28	4.5	Aug 30, 2000
ANNUAL SEVEN-DAY MINIMUM	8.5	May 28	8.5	May 23	4.8	May 22, 2002
MAXIMUM PEAK FLOW			427	Sep 16	1,930	Dec 18, 1995
MAXIMUM PEAK STAGE			5.96	Sep 16	8.59	Dec 18, 1995
ANNUAL RUNOFF (CFSM)	2.07		1.96		2.13	
ANNUAL RUNOFF (INCHES)	28.07		26.63		28.96	
10 PERCENT EXCEEDS	26		23		25	
50 PERCENT EXCEEDS	13		12		12	
90 PERCENT EXCEEDS	10		10		7.4	



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 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	pH, water, unfltrd field, std units (00400)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)
NOV													
19...	1200	17.5	--	763	18	E3.0	47	50	7.9	82	1.3	6.5	E880
FEB													
18...	1145	10.0	15.0	--	13	E3.8	41	42	11.6	103	.6	6.6	E63
JUL													
07...	1300	24.0	--	--	15	E1.9	46	47	7.4	88	.5	6.5	100
SEP													
28...	1430	23.5	--	761	11	E1.5	46	--	7.1	82	--	6.4	93

Date	E coli, m-TEC MF, water, col/ 100 mL (31633)	Total nitrogen, water, unfltrd mg/L (00600)	Total nitrogen, water, fltrd, mg/L (00602)	Organic nitrogen, water, unfltrd mg/L (00605)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite water, unfltrd mg/L as N (00615)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ammonia water unfltrd mg/L (71845)
NOV													
19...	E870	.35	--	--	<.01	<.01	<.010	<.01	<.20	.20	.150	.14	--
FEB													
18...	90	.66	--	.18	.02	.02	<.010	<.01	<.20	.20	.460	.46	.03
JUL													
07...	80	--	--	--	.01	.01	<.010	<.01	<.20	<.20	.300	.30	.01
SEP													
28...	200	.36	.36	--	<.04	--	<.008	--	.19	.20	--	.17	--

Date	Ammonia water, fltrd, mg/L (71846)	Total nitrogen, water, unfltrd mg/L as NO3 (71887)	Orthophosphate, water, fltrd, mg/L (00660)	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, unfltrd mg/L (00680)	Organic carbon, water, fltrd, mg/L (00681)	Orthophosphate, water, unfltrd mg/L as P (70507)	Residue total at 105 deg. C, suspended, mg/L (00530)
NOV										
19...	--	1.5	--	.018	.016	A.007	3.9	4.2	A.017	4
FEB										
18...	.03	2.9	--	.012	.003	A.003	2.2	2.2	A.008	<1
JUL										
07...	.01	--	--	.004	<.002	A.003	5.1	4.8	A.009	2
SEP										
28...	--	--	.025	.027	.017	.008	3.4	3.1	--	<10

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 right bank about 30 feet downstream of bridge on Snow Road, 1.0 mi north of Tanner Williams Road, and 4 mi south of Semmes.

DRAINAGE AREA.--8.22 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR AL-95-1: 1991, 1993, 1994.

GAGE.--Water-stage recorder. Elevation of gage is 115 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 31	1600	301	4.22	Jul 1	0300	417	4.80
May 18	0800	280	4.08	Jul 21	2100	313	4.30
Jun 6	2100	*422	*4.82				

Minimum discharge, 8.4 ft^3/s, May 31, gage height, 0.17 ft.

REVISIONS.--Revised figures of discharge for the water year 2003, superseding those published in the report for 2003 are given below. The peak discharges and annual maximum (*) reported for water year 2003 have been revised as shown in the above table. They supersede figures published in the report for 2003.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

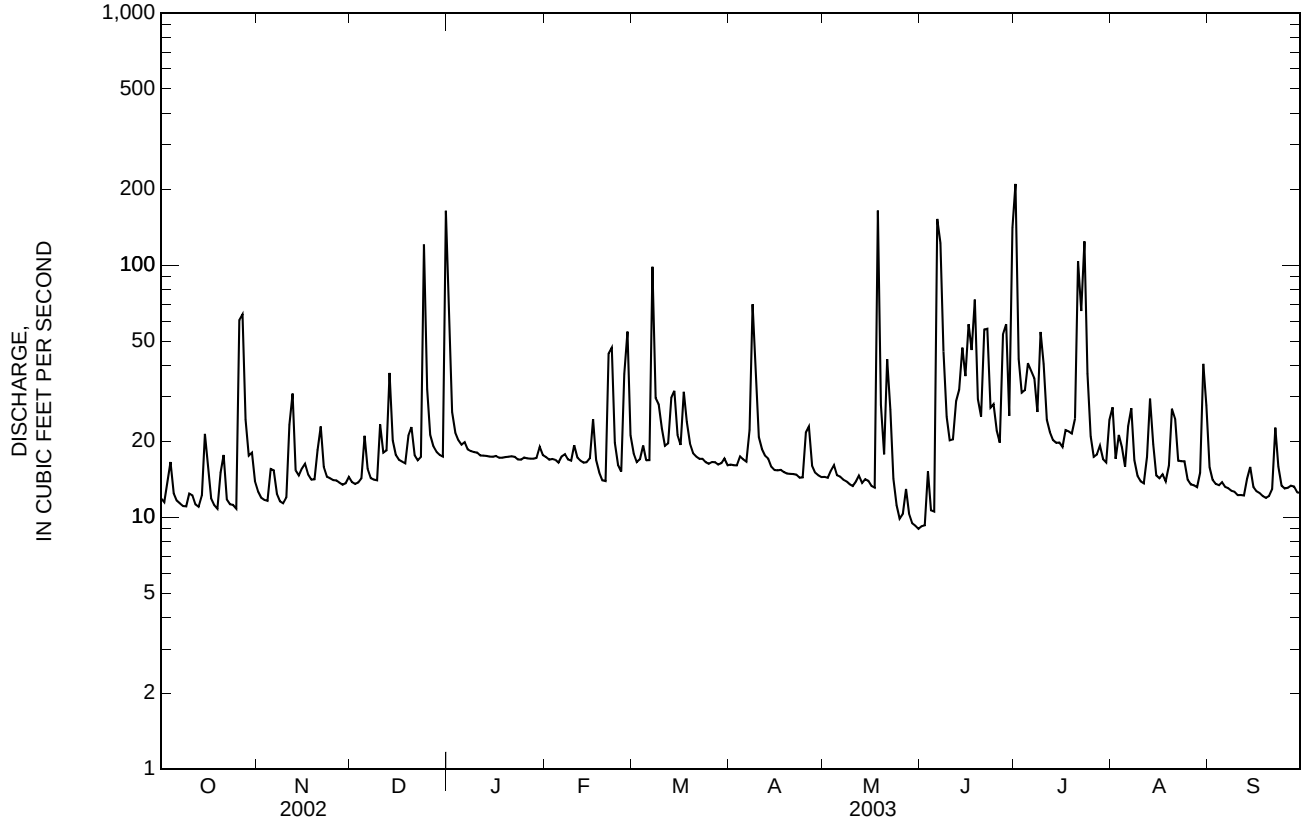
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	13	14	51	17	18	16	14	9.2	210	27	16
2	11	12	14	26	17	17	16	14	9.3	42	17	14
3	14	12	14	22	17	17	16	15	15	31	21	14
4	17	12	14	20	17	19	17	16	11	32	19	13
5	12	16	21	19	16	17	17	15	11	41	16	14
6	12	15	16	20	17	17	17	14	152	38	23	13
7	11	12	14	19	18	98	22	14	122	36	27	13
8	11	12	14	18	17	30	70	14	45	26	17	13
9	11	11	14	18	17	28	34	14	25	54	15	13
10	12	12	23	18	19	22	21	13	20	41	14	12
11	12	23	18	18	17	19	19	14	20	24	14	12
12	11	31	18	18	17	20	18	15	29	22	17	12
13	11	15	37	18	16	30	17	14	32	20	30	14
14	12	15	20	17	17	32	16	14	47	20	19	16
15	21	16	18	17	17	21	15	14	36	20	15	13
16	16	16	17	18	24	19	15	13	58	19	14	13
17	12	15	17	17	17	31	15	13	46	22	15	12
18	11	14	16	17	15	24	15	164	73	22	14	12
19	11	14	21	17	14	20	15	28	29	21	16	12
20	15	18	23	17	14	18	15	18	25	25	27	12
21	18	23	18	17	45	17	15	42	56	104	25	13
22	12	16	17	17	47	17	15	27	56	66	17	23
23	11	14	17	17	20	17	14	14	27	124	17	16
24	11	14	121	17	16	17	14	11	28	37	17	13
25	11	14	32	17	15	16	22	9.9	22	21	14	13
26	61	14	21	17	37	17	23	10	20	17	13	13
27	64	14	19	17	54	17	16	13	53	18	13	13
28	24	13	18	17	21	16	15	10	58	19	13	13
29	18	14	18	17	---	16	15	9.5	25	17	15	13
30	18	14	17	19	---	17	14	9.3	141	16	41	13
31	14	---	164	18	---	16	---	9.0	---	24	28	---
TOTAL	517	454	825	595	595	700	569	614.7	1,300.5	1,229	590	406
MEAN	16.7	15.1	26.6	19.2	21.2	22.6	19.0	19.8	43.4	39.6	19.0	13.5
MAX	64	31	164	51	54	98	70	164	152	210	41	23
MIN	11	11	14	17	14	16	14	9.0	9.2	16	13	12
CFSM	2.03	1.84	3.24	2.33	2.59	2.75	2.31	2.41	5.27	4.82	2.32	1.65
IN.	2.34	2.05	3.73	2.69	2.69	3.17	2.58	2.78	5.89	5.56	2.67	1.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2003, BY WATER YEAR (WY)

MEAN	18.0	19.0	21.2	26.4	20.6	25.7	21.1	22.0	22.6	23.4	17.7	23.5
MAX	36.8	36.8	50.5	60.2	33.5	42.5	39.5	51.2	43.4	67.8	25.9	118
(WY)	(1999)	(1998)	(1996)	(1998)	(1992)	(1998)	(1996)	(1995)	(2003)	(1997)	(1995)	(1998)
MIN	9.13	10.2	11.4	12.5	12.0	14.6	10.6	9.01	10.6	10.4	11.0	12.4
(WY)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)	(2000)	(2002)	(1995)

02480002 HAMILTON CREEK AT SNOW ROAD NEAR SEMMES, AL—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1990 - 2003	
ANNUAL TOTAL	5,418.0		8,395.2			
ANNUAL MEAN	14.8		23.0		21.9	
HIGHEST ANNUAL MEAN					37.9	1998
LOWEST ANNUAL MEAN					12.7	2002
HIGHEST DAILY MEAN	344	Sep 26	210	Jul 1	2,000	Sep 28, 1998
LOWEST DAILY MEAN	7.6	May 8	9.0	May 31	7.5	Jun 7, 2001
ANNUAL SEVEN-DAY MINIMUM	7.8	May 7	9.9	May 27	7.8	May 7, 2002
MAXIMUM PEAK FLOW			422	Jun 6	3,640	Sep 28, 1998
MAXIMUM PEAK STAGE			4.82	Jun 6	8.70	Sep 28, 1998
ANNUAL RUNOFF (CFSM)	1.81		2.80		2.66	
ANNUAL RUNOFF (INCHES)	24.52		37.99		36.20	
10 PERCENT EXCEEDS	18		37		29	
50 PERCENT EXCEEDS	11		17		16	
90 PERCENT EXCEEDS	8.9		12		11	



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 right bank about 30 feet downstream of bridge on Snow Road, 1.0 mi north of Tanner Williams Road, and 4 mi south of Semmes.

DRAINAGE AREA.--8.22 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR AL-95-1: 1991, 1993, 1994, WDR AL-04-1: 2003.

GAGE.--Water-stage recorder. Elevation of gage is 115 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 26	0030	623	5.41	Sep 16	0830	*710	*5.61
Aug 11	1700	256	3.90				

Minimum discharge, 11 ft^3/s, on several days, gage height, 0.11 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

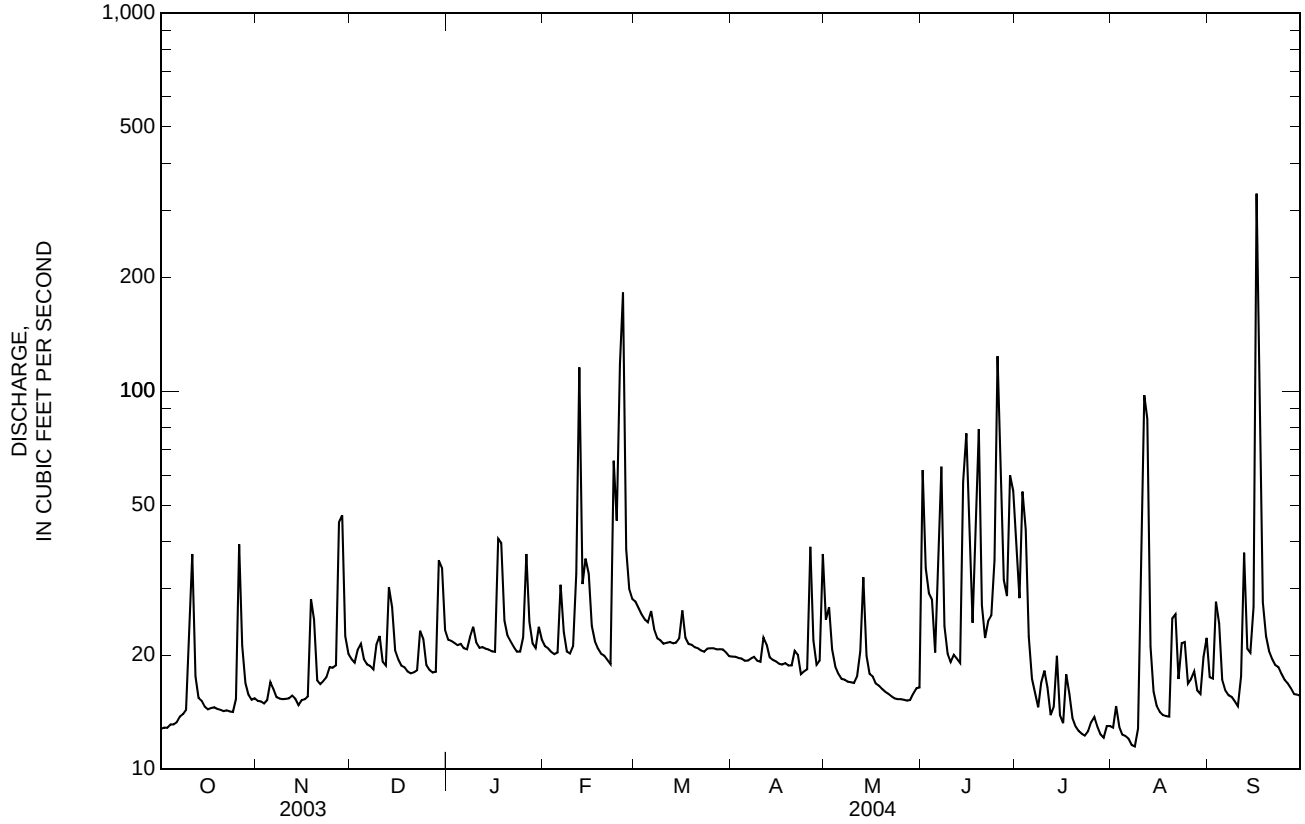
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	15	20	22	21	28	20	25	62	38	13	18
2	13	15	19	22	21	27	20	27	34	28	15	17
3	13	15	21	22	20	26	20	21	29	54	13	28
4	13	15	21	21	20	25	20	19	28	43	12	24
5	13	17	20	21	20	24	19	18	20	22	12	17
6	13	16	19	21	31	26	19	17	32	17	12	16
7	14	16	19	21	23	23	20	17	63	16	12	16
8	14	15	18	22	20	22	20	17	24	15	11	16
9	14	15	21	24	20	22	19	17	20	17	13	15
10	23	15	23	22	21	21	19	17	19	18	49	15
11	37	15	19	21	33	22	22	18	20	16	98	18
12	18	16	19	21	116	22	21	20	20	14	84	37
13	15	15	30	21	31	22	20	32	19	15	21	21
14	15	15	27	21	36	22	19	20	58	20	16	20
15	15	15	21	21	33	22	19	18	77	14	15	27
16	14	15	20	20	24	26	19	18	46	13	14	333
17	15	16	19	41	22	22	19	17	24	18	14	54
18	15	28	19	40	21	21	19	17	42	16	14	28
19	14	25	18	25	20	21	19	16	79	14	14	23
20	14	17	18	23	20	21	19	16	27	13	25	21
21	14	17	18	22	19	21	21	16	22	13	26	20
22	14	17	18	21	19	21	20	16	25	12	17	19
23	14	18	23	20	65	20	18	15	26	12	22	19
24	14	19	22	20	45	21	18	15	36	13	22	18
25	15	19	19	22	118	21	18	15	124	13	17	17
26	39	19	18	37	182	21	39	15	67	14	17	17
27	21	45	18	25	38	21	22	15	32	13	18	16
28	17	47	18	22	30	21	19	15	29	12	16	16
29	16	23	36	21	28	21	19	16	60	12	16	16
30	15	20	34	24	---	20	37	16	54	13	20	16
31	15	---	23	22	---	20	---	16	---	13	22	---
TOTAL	509	575	658	728	1,117	693	623	557	1,218	561	690	938
MEAN	16.4	19.2	21.2	23.5	38.5	22.4	20.8	18.0	40.6	18.1	22.3	31.3
MAX	39	47	36	41	182	28	39	32	124	54	98	333
MIN	13	15	18	20	19	20	18	15	19	12	11	15
CFSM	2.00	2.33	2.58	2.86	4.69	2.72	2.53	2.19	4.94	2.20	2.71	3.80
IN.	2.30	2.60	2.98	3.29	5.06	3.14	2.82	2.52	5.51	2.54	3.12	4.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	17.9	19.0	21.2	26.2	21.9	25.5	21.1	21.7	23.9	23.1	18.0	24.0
MAX	36.8	36.8	50.5	60.2	38.5	42.5	39.5	51.2	43.4	67.8	25.9	118
(WY)	(1999)	(1998)	(1996)	(1998)	(2004)	(1998)	(1996)	(1995)	(2003)	(1997)	(1995)	(1998)
MIN	9.13	10.2	11.4	12.5	12.0	14.6	10.6	9.01	10.6	10.4	11.0	12.4
(WY)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)	(2000)	(2002)	(1995)

02480002 HAMILTON CREEK AT SNOW ROAD NEAR SEMMES, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	8,341.2		8,867			
ANNUAL MEAN	22.9		24.2		22.1	
HIGHEST ANNUAL MEAN					37.9	1998
LOWEST ANNUAL MEAN					12.7	2002
HIGHEST DAILY MEAN	210	Jul 1	333	Sep 16	2,000	Sep 28, 1998
LOWEST DAILY MEAN	9.0	May 31	11	Aug 8	7.5	Jun 7, 2001
ANNUAL SEVEN-DAY MINIMUM	9.9	May 27	12	Aug 3	7.8	May 7, 2002
MAXIMUM PEAK FLOW			710	Sep 16	3,640	Sep 28, 1998
MAXIMUM PEAK STAGE			5.61	Sep 16	8.70	Sep 28, 1998
ANNUAL RUNOFF (CFSM)	2.78		2.95		2.68	
ANNUAL RUNOFF (INCHES)	37.75		40.13		36.48	
10 PERCENT EXCEEDS	36		36		30	
50 PERCENT EXCEEDS	17		20		16	
90 PERCENT EXCEEDS	13		14		11	



PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02480002 HAMILTON CREEK AT SNOW ROAD NEAR SEMMES, AL

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, 81 microSiemens, Nov. 18, 1991; minimum, 7 microSiemens, May 26, 1991.
WATER TEMPERATURE: Maximum, 25.0°C, Aug. 27, 1992; minimum, 7.7°C, Jan. 19, 1992.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	pH, water, unfltrd field, std units (00400)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)
NOV													
20...	0845	15.0	--	768	18	E2.2	45	48	7.9	79	.8	6.3	280
FEB													
17...	1300	12.5	10.5	774	22	E1.8	43	44	11.0	103	.5	6.3	E35
JUL													
07...	1530	26.0	--	--	14	E1.9	46	46	7.0	87	.8	6.1	110
SEP													
28...	1130	23.0	--	761	16	E2.4	50	--	6.6	78	--	6.1	E110

Date	E coli, m-TEC MF, water, col/100 mL (31633)	Total nitrogen, water, unfltrd mg/L (00600)	Total nitrogen, water, fltrd, mg/L (00602)	Organic nitrogen, water, unfltrd mg/L (00605)	Organic nitrogen, water, fltrd, mg/L (00607)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite water, unfltrd mg/L as N (00615)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Nitrite + nitrate water fltrd, mg/L as N (00631)
NOV													
20...	190	.66	.66	.16	.17	.03	.04	<.010	<.01	.20	.20	.460	.46
FEB													
17...	E56	--	--	--	--	.04	.04	<.010	<.01	<.20	<.20	.550	.55
JUL													
07...	130	.65	--	.16	--	.03	.04	<.010	<.01	<.20	.20	.450	.45
SEP													
28...	240	.64	.61	--	--	E.04	--	<.008	--	.21	.25	--	.39

Date	Ammonia water unfltrd mg/L (71845)	Ammonia water, fltrd, mg/L (71846)	Total nitrogen, water, unfltrd mg/L as NO3 (71887)	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, unfltrd mg/L (00680)	Organic carbon, water, fltrd, mg/L (00681)	Orthophosphate, water, unfltrd mg/L as P (70507)	Residue total at 105 deg. C, suspended, mg/L (00530)
NOV										
20...	.05	.04	2.9	.020	.012	<.001	2.9	3.1	<.001	<1
FEB										
17...	.05	.05	--	.004	.003	A.002	2.9	3.1	A.004	2
JUL										
07...	.05	.04	2.9	<.002	<.002	<.001	6.2	5.7	<.001	3
SEP										
28...	--	--	--	.012	<.004	<.006	4.2	3.3	--	<10

02480004 J.B. CONVERSE RESERVOIR (HAMILTON CREEK) NEAR SEMMES, AL

LOCATION.--Lat 30° 43'15", long 88° 18'15", in SW $^1/_4$ sec. 5, T. 4 S., R. 3 W., Mobile County, Hydrologic Unit 03170008, at J.B. Converse Reservoir Intake, 5 mi southwest of Semmes.

DRAINAGE AREA.--105 mi^2 (includes drainage area of basin Impounded by Big Creek Lake Dam).

PERIOD OF RECORD.--June 1990 to January 1993 (published as "Hamilton Creek (Big Creek Lake Intake) near Semmes"). February 2002 to September 2004 (discontinued).

GAGE.-- Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Mobile Waterworks and Sewer Authority). Records for period of June 1990 to January 1993 published at datum 100 ft higher.

REMARKS.--Records good. Gage is in backwater on Hamilton Creek caused by dam on Big Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 111.80 ft, May 11, 1991; minimum elevation, 106.98 ft, Sept. 15, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 110.86 ft, Apr. 30; minimum elevation, 106.98 ft, Sept. 15.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109.49	109.49	110.60	110.01	110.11	109.74	109.87	110.74	110.14	109.79	110.12	110.21
2	109.47	109.49	110.42	109.83	110.13	109.81	109.87	110.49	110.49	109.61	110.18	110.04
3	109.46	109.50	110.26	109.83	110.15	109.89	109.85	110.16	110.46	109.68	110.19	109.69
4	109.46	109.51	---	109.87	110.10	109.95	109.85	109.82	110.37	110.00	110.17	109.33
5	109.46	109.54	---	109.91	109.89	110.01	109.84	---	110.20	110.10	110.15	108.96
6	109.46	109.59	109.93	109.93	109.79	110.09	109.82	---	109.98	110.11	110.12	108.91
7	109.47	109.62	109.94	109.92	109.83	110.16	109.80	---	109.86	109.95	110.07	108.90
8	109.48	109.62	109.97	109.95	109.86	110.19	109.82	109.79	109.74	109.77	110.03	108.88
9	109.49	109.62	109.99	110.00	109.88	110.22	109.83	109.78	109.74	109.67	110.00	108.87
10	109.54	109.62	110.08	110.03	109.93	110.22	109.82	109.77	109.75	109.72	109.89	108.85
11	109.74	109.64	110.12	110.04	110.01	110.25	109.84	109.77	109.76	109.80	109.87	108.84
12	109.83	109.64	110.14	110.08	110.37	110.29	109.88	109.78	109.77	109.85	109.88	108.68
13	109.87	109.65	110.21	110.11	110.38	110.31	109.92	109.94	109.76	109.86	109.56	108.41
14	109.90	109.63	110.36	110.13	110.36	110.33	109.92	110.01	109.91	109.86	109.52	107.86
15	---	109.62	110.40	110.15	110.30	110.31	109.91	110.06	110.05	109.86	109.49	107.26
16	109.91	109.63	110.42	110.13	110.13	110.12	109.90	110.09	110.08	109.86	109.47	107.60
17	109.92	109.65	110.29	110.05	109.95	109.90	109.89	110.09	109.97	---	109.46	108.30
18	109.92	109.71	110.08	110.12	109.77	109.73	109.89	110.09	---	---	109.44	108.56
19	109.92	---	109.90	110.04	109.60	109.75	109.89	110.10	---	---	109.42	108.64
20	109.92	---	109.85	109.88	109.62	109.76	109.88	110.10	---	---	109.42	108.68
21	109.93	---	109.87	109.73	109.67	109.79	109.87	110.10	---	110.22	109.50	108.70
22	109.93	---	109.88	109.73	109.69	109.79	109.85	110.08	---	110.20	109.54	108.71
23	109.92	---	109.92	109.74	109.86	109.78	109.84	110.04	---	110.20	109.60	108.72
24	109.92	---	110.00	109.75	110.21	109.78	109.81	110.01	---	110.19	109.80	108.73
25	109.93	110.04	110.03	109.78	110.34	109.80	109.81	109.99	110.54	110.17	109.85	108.74
26	110.06	110.04	110.07	109.88	110.76	109.82	110.00	109.97	110.52	110.16	109.86	108.75
27	110.22	110.14	110.10	109.96	110.62	109.83	110.08	109.93	110.35	110.16	109.87	108.74
28	110.22	110.44	110.13	109.97	110.33	109.85	110.09	109.89	110.18	110.16	109.88	108.74
29	109.97	110.55	110.21	109.97	109.99	109.87	110.09	109.86	110.01	110.14	109.90	108.73
30	109.71	110.59	110.35	110.01	---	109.88	110.54	109.83	109.96	110.13	109.94	108.72
31	109.50	---	110.21	110.07	---	109.88	---	109.83	---	110.12	110.09	---
MEAN	---	---	---	109.95	110.06	109.97	109.91	---	---	---	109.82	108.76
MAX	---	---	---	110.15	110.76	110.33	110.54	---	---	---	110.19	110.21
MIN	---	---	---	109.73	109.60	109.73	109.80	---	---	---	109.42	107.26

PASCAGOULA RIVER BASIN

02480004 J.B. CONVERSE RESERVOIR (HAMILTON CREEK) NEAR SEMMES, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Transparency Secchi disc, meters (00078)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	pH, water, unfltrd field, std units (00400)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Total nitrogen, water, unfltrd mg/L (00600)	Organic nitrogen, water, unfltrd mg/L (00605)
NOV													
20...	1210	--	--	2.20	30	--	--	E14	7	--	--	.36	.24
FEB													
17...	1500	11.0	--	2.61	30	.6	--	E21	E16	--	--	.35	.19
JUL													
08...	0900	--	--	--	28	--	7.1	--	--	--	--	--	.19
SEP													
28...	0900	--	761	--	--	--	--	E2	55	E.4	<.1	--	.29

Date	Organic nitrogen, water, fltrd, mg/L (00607)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite water, unfltrd mg/L as N (00615)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ammonia water unfltrd mg/L (71845)	Ammonia water, fltrd, mg/L (71846)	Total nitrogen, water, unfltrd mg/L as NO3 (71887)	Phosphorus, water, unfltrd mg/L (00665)
NOV													
20...	--	.06	.06	<.010	<.01	<.20	.30	.060	.06	.08	.08	1.6	.008
FEB													
17...	--	.01	.01	<.010	<.01	<.20	.20	.150	.15	.01	.01	1.5	.004
JUL													
08...	--	<.01	.01	<.010	<.01	<.20	.20	<.020	<.02	.01	--	--	<.002
SEP													
28...	.22	.04	--	<.008	--	.27	.34	--	E.03	--	.06	--	.009

Date	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, unfltrd mg/L (00680)	Organic carbon, water, fltrd, mg/L (00681)	Orthophosphate, water, unfltrd mg/L as P (70507)	Residue total at 105 deg. C, suspended, mg/L (00530)
NOV						
20...	.007	<.001	4.0	4.1	<.001	--
FEB						
17...	<.002	<.001	3.8	3.6	<.001	2
JUL						
08...	<.002	<.001	6.8	6.2	<.001	--
SEP						
28...	<.004	<.006	5.6	4.5	--	<10

PASCAGOULA RIVER BASIN

02480004 J.B. CONVERSE RESERVOIR (HAMILTON CREEK) NEAR SEMMES, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Location in X-sect. looking upstrm, % from rt bank (00002)	Sampling depth, feet (00003)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Turbidity, water, unfltrd field, NTU (61028)
NOV								
20...	1215	25.0	1.00	19.5	28	8.5	6.7	E.6
20...	1216	25.0	5.00	19.5	28	8.4	6.7	E.7
20...	1220	50.0	1.00	20.0	28	8.2	6.8	E.7
20...	1221	50.0	5.00	19.5	28	8.2	6.8	E.6
20...	1222	50.0	10.0	19.5	28	8.2	6.8	E.7
20...	1223	50.0	15.0	19.5	28	8.3	6.8	E.7
20...	1224	50.0	20.0	19.5	28	8.2	6.7	E.9
20...	1230	75.0	1.00	20.0	28	8.4	6.8	E1.2
20...	1231	75.0	5.00	20.0	28	8.3	6.8	E1.0
20...	1232	75.0	10.0	20.0	28	8.3	6.8	E.7
FEB								
17...	1501	75.0	1.00	12.0	28	11.3	6.6	E1.3
17...	1502	75.0	5.00	11.5	28	11.3	6.6	E1.4
17...	1503	75.0	10.0	11.5	28	11.3	6.7	E1.4
17...	1516	25.0	1.00	11.5	28	11.2	6.7	E1.5
17...	1517	25.0	5.00	11.5	28	11.0	6.7	E1.4
17...	1518	25.0	10.0	11.5	28	11.0	6.7	E1.4
17...	1521	50.0	1.00	11.5	28	11.4	6.7	E1.4
17...	1522	50.0	5.00	11.5	28	11.1	6.7	E1.4
17...	1525	50.0	10.0	11.5	28	11.1	6.7	E2.9
17...	1526	50.0	15.0	11.5	28	11.0	6.7	E1.5
17...	1527	50.0	20.0	11.0	28	11.0	6.7	E1.5
JUL								
08...	0824	75.0	1.00	30.5	28	8.2	--	E.3
08...	0825	75.0	5.00	30.5	28	8.0	--	E.3
08...	0826	75.0	10.0	28.0	29	5.1	--	E2.2
08...	0832	50.0	1.00	30.5	28	7.8	--	E.4
08...	0833	50.0	5.00	30.5	28	7.9	--	E.4
08...	0834	50.0	10.0	28.0	29	4.3	--	E1.5
08...	0835	50.0	15.0	25.5	34	.5	--	E3.6
08...	0836	50.0	20.0	24.0	40	.3	--	E1.9
08...	0837	50.0	25.0	23.0	54	.3	--	E14
08...	0840	25.0	1.00	30.5	28	7.8	--	E.4
08...	0841	25.0	5.00	30.5	28	7.8	--	E.4
08...	0842	25.0	10.0	28.0	30	4.9	--	E1.9
08...	0843	25.0	15.0	26.0	33	1.1	--	E3.3

03573182 SCARHAM CREEK NEAR MCVILLE, AL

LOCATION.--Lat 34° 17'54", long 86° 07'00", in NE $^1/_4$ 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 McVille Road), 1.4 mi northeast of McVille, and 2.4 mi southeast of Painter.

DRAINAGE AREA.--50.0 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 890 ft above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 9,10, May 5,6, Jun. 23 - Jul. 9, Jul. 19. 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0730	4,000	11.68	Sep 17	0130	*4,780	*12.42
Mar 6	0715	1,410	8.41				

Minimum discharge, 0.86 ft^3/s, Aug. 20, gage height, 3.45 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	4.1	22	85	107	101	80	23	35	e45	17	2.4
2	1.5	4.1	19	76	97	155	63	204	19	e280	13	2.1
3	1.2	4.4	17	71	95	182	54	124	13	e230	11	2.5
4	1.2	4.8	30	67	84	142	47	75	11	e160	8.2	3.2
5	1.1	7.4	45	297	82	125	41	e53	8.3	e110	6.7	4.4
6	1.1	6.9	35	254	2,500	770	38	e40	6.5	e95	5.5	3.1
7	1.2	8.1	29	163	537	323	36	34	5.5	e160	4.4	3.6
8	1.3	7.3	27	137	311	222	35	28	5.3	e120	3.4	16
9	e1.3	6.8	24	155	242	182	36	24	4.7	e76	2.7	15
10	e1.2	6.3	61	135	213	152	31	21	3.7	110	2.4	9.8
11	1.4	6.1	71	113	192	133	39	18	3.0	86	2.1	6.5
12	1.4	6.7	49	104	349	119	53	16	2.6	70	2.5	4.6
13	1.4	7.5	43	94	246	106	56	17	2.0	64	4.7	3.5
14	1.5	7.4	51	87	202	95	48	18	1.6	52	3.8	3.1
15	1.6	7.1	48	81	302	94	39	15	1.9	57	2.8	2.9
16	1.5	9.6	42	73	247	114	34	21	24	45	2.1	534
17	1.8	12	77	69	196	94	31	24	21	38	1.8	2,380
18	2.3	15	65	88	171	80	28	19	10	35	1.5	313
19	2.6	44	55	86	154	72	26	28	7.0	e33	1.2	182
20	3.0	24	46	69	140	66	23	23	4.7	24	1.7	130
21	2.7	15	41	64	125	60	21	16	3.4	20	7.3	103
22	2.3	11	39	61	111	54	39	14	3.8	17	7.1	86
23	2.0	8.9	41	57	104	49	32	14	e5.4	15	6.1	71
24	2.0	8.5	63	56	99	47	24	11	e17	12	6.7	61
25	1.9	10	49	527	102	44	21	9.2	e34	24	7.2	53
26	1.8	9.9	42	538	182	41	23	7.8	e60	65	39	46
27	1.6	40	40	250	147	39	29	6.7	e34	41	15	41
28	1.5	64	38	183	122	37	22	5.7	e47	26	8.3	37
29	1.7	36	43	156	109	37	19	5.8	e41	19	5.7	34
30	2.4	27	166	137	---	115	19	7.1	e31	15	4.0	31
31	3.6	---	106	120	---	95	---	35	---	20	3.1	---
TOTAL	55.0	429.9	1,524	4,453	7,568	3,945	1,087	957.3	466.4	2,164	208.0	4,184.7
MEAN	1.77	14.3	49.2	144	261	127	36.2	30.9	15.5	69.8	6.71	139
MAX	3.6	64	166	538	2,500	770	80	204	60	280	39	2,380
MIN	1.1	4.1	17	56	82	37	19	5.7	1.6	12	1.2	2.1
CFSM	0.04	0.29	0.98	2.87	5.22	2.55	0.72	0.62	0.31	1.40	0.13	2.79
IN.	0.04	0.32	1.13	3.31	5.63	2.94	0.81	0.71	0.35	1.61	0.15	3.11

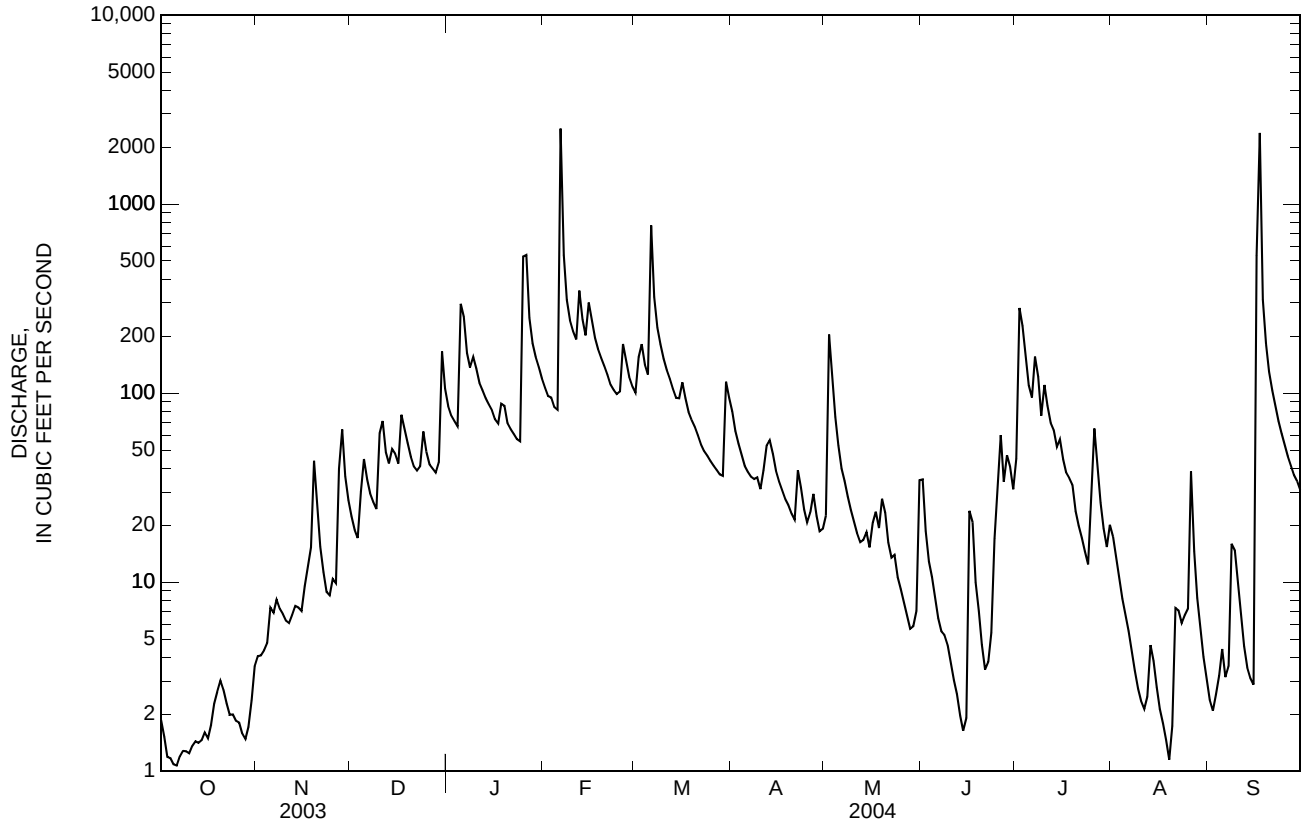
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	7.28	37.5	87.6	147	202	185	109	102	43.2	57.8	7.29	30.2
MAX	37.6	128	220	227	322	314	231	384	110	199	20.4	139
(WY)	(2003)	(2003)	(2003)	(1999)	(2003)	(2001)	(2000)	(2003)	(1999)	(1999)	(2001)	(2004)
MIN	0.00	2.11	4.63	73.9	60.3	127	36.2	15.4	6.10	1.99	0.12	0.16
(WY)	(1999)	(1999)	(2000)	(2000)	(2000)	(2004)	(2004)	(2000)	(2002)	(2002)	(2002)	(1999)

03573182 SCARHAM CREEK NEAR MCVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	40,240.59		27,042.3			
ANNUAL MEAN	110		73.9		84.1	
HIGHEST ANNUAL MEAN					137	2003
LOWEST ANNUAL MEAN					45.9	2000
HIGHEST DAILY MEAN	2,500	May 6	2,500	Feb 6	2,500	May 6, 2003
LOWEST DAILY MEAN	0.32	Sep 21	1.1	Oct 5	0.00	Oct 2, 1998
ANNUAL SEVEN-DAY MINIMUM	0.57	Sep 15	1.2	Oct 3	0.00	Oct 2, 1998
MAXIMUM PEAK FLOW			4,780	Sep 17	5,080	May 6, 2003
MAXIMUM PEAK STAGE			12.42	Sep 17	13.48	May 6, 2003
ANNUAL RUNOFF (CFSM)	2.20		1.48		1.68	
ANNUAL RUNOFF (INCHES)	29.94		20.12		22.85	
10 PERCENT EXCEEDS	232		157		186	
50 PERCENT EXCEEDS	55		34		35	
90 PERCENT EXCEEDS	1.8		2.4		0.22	

e Estimated



03574500 PAINT ROCK RIVER NEAR WOODVILLE, AL

LOCATION.--Lat 34° 37'27", long 86° 18'23", in NW $^1/_4$ 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 mi^2.

PERIOD OF RECORD.--January 1936 to current year.

GAGE.--Water-stage recorder. Datum of gage is 570.95 ft above NGVD of 1929. Dec. 23, 1935, to Jan. 16, 1938, nonrecording gage at same site.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 7	0530	*19,800	*20.10	Sep 19	0400	7,400	17.04
Mar 7	0730	11,100	18.34				

Minimum discharge, 25 ft^3/s, Oct. 26, 27, 31, Nov. 1, gage height, 2.27 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

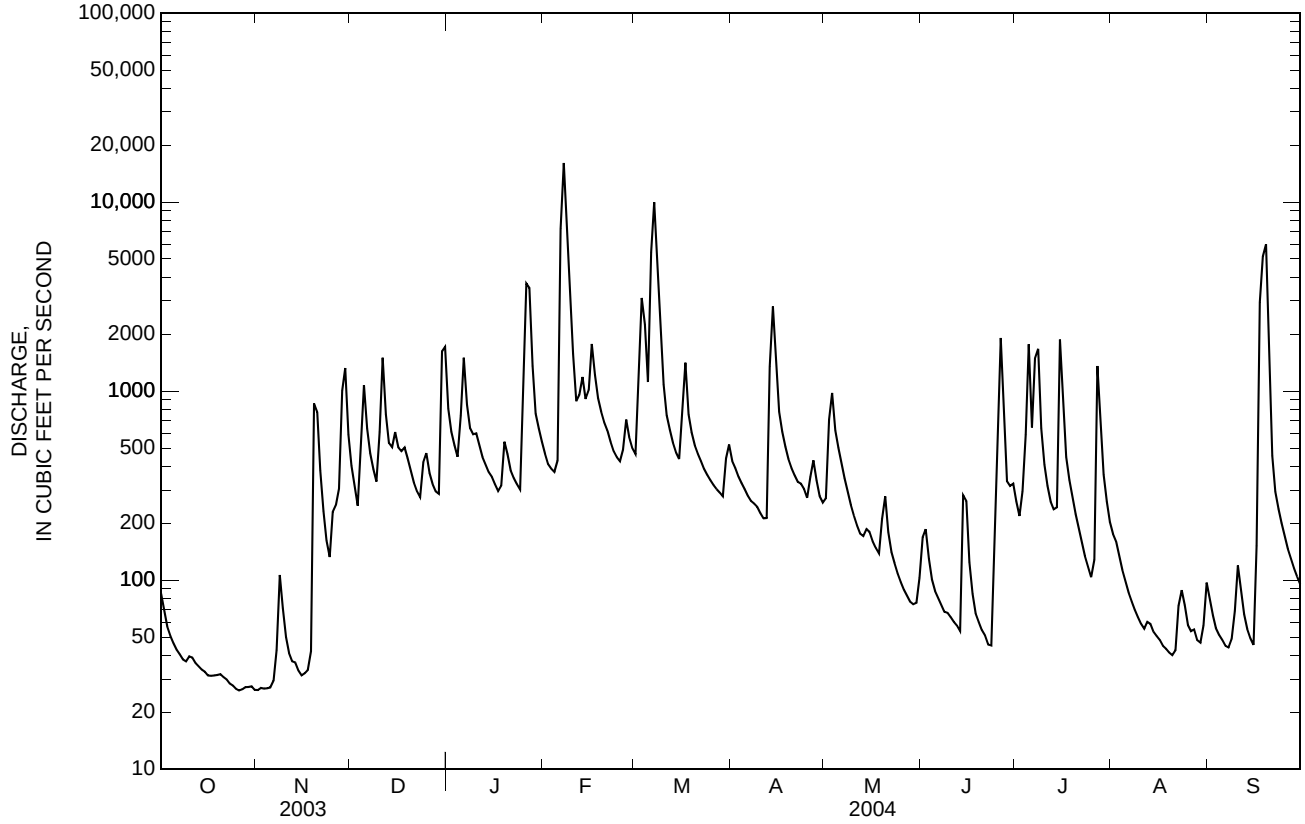
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	26	403	808	466	464	427	272	169	262	176	80
2	69	27	311	611	411	1,140	393	709	186	219	160	65
3	57	27	248	517	389	3,110	353	980	130	296	134	56
4	51	27	520	450	374	2,250	327	620	101	588	114	51
5	46	27	1,080	743	430	1,120	303	503	88	1,770	99	48
6	43	29	633	1,500	7,210	5,440	279	414	81	643	86	45
7	41	43	469	847	16,100	9,990	263	346	74	1,490	77	44
8	38	107	387	639	7,540	5,250	254	295	68	1,670	70	49
9	37	71	332	591	3,340	2,330	245	251	67	638	64	69
10	40	50	609	598	1,580	1,080	226	219	64	408	59	120
11	39	41	1,500	513	885	747	213	195	60	317	55	90
12	36	37	755	448	955	624	213	176	58	261	60	66
13	35	37	533	409	1,190	536	1,350	171	54	237	59	55
14	34	33	506	374	910	473	2,800	186	281	243	53	49
15	33	31	607	352	1,010	438	1,420	180	263	1,870	51	46
16	31	32	504	322	1,780	813	777	161	125	944	48	152
17	31	34	482	297	1,220	1,410	612	148	85	449	45	2,950
18	31	42	503	316	920	752	509	138	67	339	43	5,160
19	32	862	441	541	778	605	438	210	60	279	41	5,980
20	32	777	377	465	684	517	391	277	55	224	40	1,910
21	31	380	329	382	618	467	359	180	51	190	43	455
22	30	232	295	347	541	426	332	141	46	158	73	294
23	28	162	275	322	481	388	325	123	45	134	89	238
24	28	133	420	302	449	360	303	109	152	118	74	201
25	27	230	470	1,420	426	338	273	98	536	104	58	171
26	26	250	369	3,710	490	319	352	89	1,910	128	54	147
27	26	305	323	3,510	707	304	430	83	718	1,360	55	130
28	27	1,010	295	1,360	571	291	336	77	334	728	48	116
29	27	1,320	286	762	498	278	278	75	316	362	47	104
30	27	589	1,620	634	---	441	258	76	324	260	58	95
31	26	---	1,720	542	---	522	---	103	---	203	97	---
TOTAL	1,144	6,971	17,602	24,632	52,953	43,223	15,039	7,605	6,568	16,892	2,230	19,036
MEAN	36.9	232	568	795	1,826	1,394	501	245	219	545	71.9	635
MAX	85	1,320	1,720	3,710	16,100	9,990	2,800	980	1,910	1,870	176	5,980
MIN	26	26	248	297	374	278	213	75	45	104	40	44
CFSM	0.12	0.73	1.77	2.48	5.71	4.36	1.57	0.77	0.68	1.70	0.22	1.98
IN.	0.13	0.81	2.05	2.86	6.16	5.02	1.75	0.88	0.76	1.96	0.26	2.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2004, BY WATER YEAR (WY)

MEAN	178	442	959	1,332	1,501	1,495	1,021	590	253	217	112	147
MAX	2,597	3,056	3,840	3,519	3,941	4,185	3,018	2,538	1,263	1,465	746	1,136
(WY)	(1976)	(1958)	(1991)	(1949)	(1939)	(1980)	(1964)	(2003)	(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)

03574500 PAINT ROCK RIVER NEAR WOODVILLE, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1936 - 2004	
ANNUAL TOTAL	271,821		213,895			
ANNUAL MEAN	745		584		683	
HIGHEST ANNUAL MEAN					1,106	1949
LOWEST ANNUAL MEAN					278	1941
HIGHEST DAILY MEAN	17,700	May 7	16,100	Feb 7	50,100	Dec 23, 1990
LOWEST DAILY MEAN	25	Sep 20	26	Oct 26	1.4	Oct 19, 1954
ANNUAL SEVEN-DAY MINIMUM	26	Oct 26	26	Oct 26	1.6	Oct 17, 1954
MAXIMUM PEAK FLOW			19,800	Feb 7	74,200	Mar 16, 1973
MAXIMUM PEAK STAGE			20.10	Feb 7	24.40	Mar 16, 1973
ANNUAL RUNOFF (CFSM)	2.33		1.83		2.13	
ANNUAL RUNOFF (INCHES)	31.60		24.87		28.98	
10 PERCENT EXCEEDS	1,500		1,200		1,650	
50 PERCENT EXCEEDS	332		279		220	
90 PERCENT EXCEEDS	33		40		21	



0357479650 HESTER CREEK NEAR PLEVNA, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 34° 57'89", long 86° 27'49", in NW $^1/_4$ 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 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 756.34 ft above NGVD of 1929.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,980 ft^3/s, Feb. 6, gage height, 8.68 ft; minimum discharge, 3.0 ft^3/s, Sept. 14, 15, gage height, 3.06 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

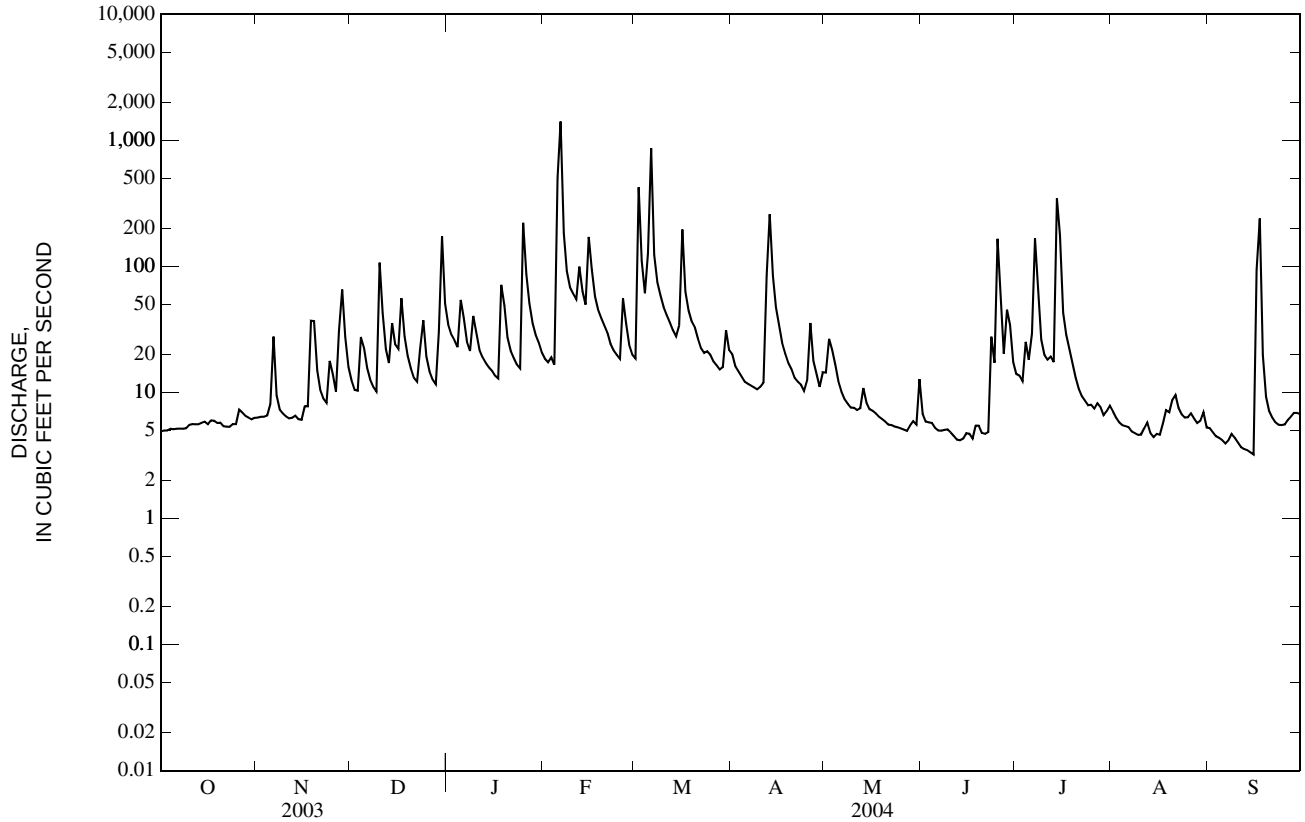
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	6.3	13	34	19	19	20	14	6.8	14	7.0	5.2
2	5.0	6.4	10	29	17	425	16	27	5.9	14	6.3	4.8
3	5.0	6.4	10	26	19	111	15	22	5.8	12	5.8	4.5
4	5.2	6.5	28	23	17	61	13	17	5.7	25	5.5	4.4
5	5.1	8.1	23	54	506	127	12	12	5.2	18	5.4	4.2
6	5.2	28	16	39	1,410	867	12	10	5.0	29	5.3	3.9
7	5.2	9.5	13	25	184	124	11	8.8	5.0	167	4.9	4.2
8	5.2	7.3	11	21	92	75	11	8.1	5.1	61	4.8	4.7
9	5.2	6.8	10	41	68	59	11	7.6	5.1	26	4.6	4.4
10	5.5	6.5	107	30	61	48	11	7.6	4.8	20	4.6	4.0
11	5.6	6.2	43	22	55	41	12	7.3	4.5	18	5.2	3.7
12	5.6	6.3	22	19	100	36	85	7.5	4.2	19	5.8	3.6
13	5.6	6.6	17	17	64	31	260	11	4.2	17	4.8	3.5
14	5.8	6.2	35	16	50	28	84	8.3	4.3	347	4.4	3.4
15	5.9	6.1	24	15	172	34	47	7.4	4.8	178	4.7	3.2
16	5.6	7.8	22	14	95	196	33	7.2	4.7	43	4.6	94
17	6.0	7.8	56	13	58	63	25	6.8	4.3	29	5.7	240
18	6.0	37	28	71	46	45	20	6.4	5.5	22	7.2	20
19	5.7	37	20	49	39	37	17	6.2	5.5	17	7.0	9.2
20	5.8	15	16	27	34	33	15	5.9	4.8	13	8.7	7.2
21	5.4	10	13	21	30	27	13	5.6	4.7	11	9.6	6.3
22	5.4	8.9	12	19	24	22	12	5.5	4.9	9.4	7.6	5.8
23	5.3	8.3	22	17	22	21	12	5.4	28	8.6	6.7	5.5
24	5.6	18	37	16	20	21	10	5.3	17	7.9	6.3	5.5
25	5.6	14	19	222	19	20	12	5.2	166	8.0	6.4	5.6
26	7.3	10	15	87	56	18	36	5.1	59	7.5	6.8	6.1
27	7.0	31	13	51	35	16	18	5.0	20	8.2	6.2	6.4
28	6.5	66	12	36	24	15	14	5.5	45	7.7	5.7	6.9
29	6.3	28	30	29	20	16	11	5.9	34	6.6	6.0	6.9
30	6.1	16	173	25	---	31	14	5.6	17	7.1	7.0	6.7
31	6.3	---	51	21	---	22	---	13	---	7.9	5.3	---
TOTAL	175.9	438.0	921	1,129	3,356	2,689	882	275.2	496.8	1,178.9	185.9	493.8
MEAN	5.67	14.6	29.7	36.4	116	86.7	29.4	8.88	16.6	38.0	6.00	16.5
MAX	7.3	66	173	222	1,410	867	260	27	166	347	9.6	240
MIN	4.9	6.1	10	13	17	15	10	5.0	4.2	6.6	4.4	3.2
CFSM	0.17	0.44	0.90	1.10	3.51	2.63	0.89	0.27	0.50	1.15	0.18	0.50
IN.	0.20	0.49	1.04	1.27	3.78	3.03	0.99	0.31	0.56	1.33	0.21	0.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	9.70	18.2	45.1	63.6	79.2	74.2	46.1	53.1	22.1	22.0	10.5	14.2
MAX	24.2	41.8	94.4	127	160	103	115	156	72.1	41.2	29.3	41.3
(WY)	(2002)	(2003)	(2002)	(1999)	(2003)	(2002)	(2000)	(2003)	(2001)	(2003)	(2001)	(2002)
MIN	3.04	4.54	5.36	19.5	26.5	40.7	16.5	6.51	6.06	4.21	3.64	3.54
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(2003)	(1999)	(2000)	(2000)	(2002)	(1999)	(1999)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	15,885.3		12,221.5			
ANNUAL MEAN	43.5		33.4		38.0	
HIGHEST ANNUAL MEAN					50.3	2003
LOWEST ANNUAL MEAN					22.8	2000
HIGHEST DAILY MEAN	1,360	May 6	1,410	Feb 6	1,570	Apr 3, 2000
LOWEST DAILY MEAN	3.8	Sep 13	3.2	Sep 15	1.9	Aug 31, 1998
ANNUAL SEVEN-DAY MINIMUM	3.9	Sep 7	3.7	Sep 9	1.9	Aug 31, 1998
ANNUAL RUNOFF (CFSM)	1.32		1.01		1.15	
ANNUAL RUNOFF (INCHES)	17.91		13.78		15.65	
10 PERCENT EXCEEDS	76		59		67	
50 PERCENT EXCEEDS	15		12		11	
90 PERCENT EXCEEDS	5.0		5.0		3.7	

0357479650 HESTER CREEK NEAR PLEVNA, AL—Continued



0357479650 HESTER CREEK NEAR PLEVNA, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)
NOV													
12...	1500	17.0	22.0	745	3.06	6.3	--	2.2	95	8.4	89	7.2	44
DEC													
17...	1200	7.9	7.0	747	3.75	53	--	31	93	11.5	99	8.1	32
JAN													
14...	1500	8.9	15.0	743	3.24	15	--	2.9	107	11.1	98	7.4	35
FEB													
17...	1430	7.7	11.0	755	3.70	57	--	8.1	126	10.9	92	7.7	51
MAR													
23...	1400	13.0	18.0	755	3.42	20	--	2.7	116	9.5	91	7.9	46
APR													
26...	1400	18.5	22.0	746	3.55	34	--	13	149	8.8	96	7.9	67
MAY													
26...	1430	23.1	32.0	740	3.07	4.9	--	3.7	111	7.2	87	7.4	44
JUN													
22...	1430	24.1	31.0	742	3.03	4.9	--	2.4	111	8.1	99	7.6	46
JUL													
14...	1430	24.3	33.0	739	--	15	--	12	108	6.4	79	7.6	42
AUG													
18...	1200	20.5	28.0	743	3.15	9.9	--	2.6	109	7.7	87	7.3	46
SEP													
07...	1430	22.2	26.0	733	3.14	9.9	2.5	--	113	E6.0	--	E6.6	47

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L (71851)	Nitrite water, fltrd, mg/L (71856)	Total nitrogen, wat unf by analysis, mg/L (62855)	Orthophosphate, water, fltrd, mg/L (00660)	Phosphorus, water, unfltrd mg/L (00665)	Orthophosphate, water, fltrd, mg/L as P (00671)
NOV													
12...	36	--	340	<.04	<.008	--	.77	--	--	.93	.028	.025	.009
DEC													
17...	26	--	--	<.04	<.008	--	.90	--	--	1.35	.181	.144	.059
JAN													
14...	29	E21	--	<.04	<.008	--	1.31	--	--	1.42	.025	.022	.008
FEB													
17...	42	140	--	<.04	<.008	--	1.74	--	--	1.93	.061	.048	.020
MAR													
23...	38	32	--	<.04	E.004	--	1.50	--	--	1.58	--	.016	<.006
APR													
26...	55	400	--	E.02	.010	.99	1.00	4.40	.033	1.46	.061	.070	.020
MAY													
26...	36	250	--	<.04	.018	1.16	1.18	5.14	.059	1.35	.077	.047	.025
JUN													
22...	38	120	--	<.04	E.005	--	1.00	--	--	1.11	.055	.037	.018
JUL													
14...	34	670	--	E.02	E.004	--	1.14	--	--	1.49	.104	.075	.034
AUG													
18...	38	--	--	<.04	E.005	--	1.04	--	--	1.14	.034	.028	.011
SEP													
07...	39	1500	--	<.04	E.004	--	1.00	--	--	1.15	.040	.057	.013

TENNESSEE RIVER BASIN

0357479650 HESTER CREEK NEAR PLEVNA, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
NOV		
12...	3.53	4.6
DEC		
17...	5.33	6.0
JAN		
14...	5.21	4.1
FEB		
17...	4.61	4.1
MAR		
23...	4.81	3.2
APR		
26...	4.73	4.3
MAY		
26...	3.57	4.0
JUN		
22...	3.21	4.2
JUL		
14...	3.98	3.7
AUG		
18...	3.33	3.7
SEP		
07...	3.10	3.6

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Linuron water fltrd 0.7u GF ug/L (82666)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)	Dieldrin, water, fltrd, ug/L (39381)
NOV													
12...	<.025	<.004	<.005	<.01	E.010	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009
JAN													
14...	<.025	<.004	.007	<.01	E.015	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009
MAR													
23...	<.025	<.004	.005	M	E.021	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009
APR													
26...	<.025	<.004	.006	<.01	E.026	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009
MAY													
26...	<.025	<.004	<.005	<.01	E.017	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009
JUN													
22...	<.025	<.004	<.005	<.01	E.014	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009
JUL													
14...	<.025	<.004	<.005	<.01	E.014	.026	<.003	<.005	<.003	<.035	<.005	<.004	<.009
SEP													
07...	<.025	<.004	<.005	.01	E.009	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009

Date	Metolachlor, water, fltrd, ug/L (39415)	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Fipronil, water, fltrd, ug/L (62166)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	DCPA, water fltrd 0.7u GF ug/L (82682)
NOV													
12...	E.006	<.027	<.010	<.005	.013	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
JAN													
14...	.019	<.027	<.010	<.005	.013	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
MAR													
23...	E.007	<.027	<.010	<.005	.018	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
APR													
26...	E.013	<.027	<.010	<.005	.221	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
MAY													
26...	E.009	<.027	<.010	<.005	.022	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
JUN													
22...	E.004	<.027	<.010	<.005	.017	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
JUL													
14...	.016	<.027	<.010	<.005	.028	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
SEP													
07...	<.013	<.027	<.010	<.005	.020	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003

0357479650 HESTER CREEK NEAR PLEVNA, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)
NOV													
12...	<.041	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	<.02	<.003	<.005
JAN													
14...	<.041	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	<.02	<.003	<.005
MAR													
23...	<.041	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	E.01	<.003	<.005
APR													
26...	<.041	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	<.02	<.003	<.005
MAY													
26...	<.041	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	<.02	<.003	<.005
JUN													
22...	E.006	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	<.02	<.003	<.005
JUL													
14...	<.041	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	<.02	<.003	<.005
SEP													
07...	<.041	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	<.02	<.003	<.005

Date	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
NOV													
12...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006
JAN													
14...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006
MAR													
23...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006
APR													
26...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006
MAY													
26...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006
JUN													
22...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006
JUL													
14...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006
SEP													
07...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
NOV				
12...	1500	6.3	3	.05
DEC				
17...	1200	53	18	2.6
JAN				
14...	1500	15	3	.12
FEB				
17...	1430	57	6	.93
MAR				
23...	1400	20	3	.16
APR				
26...	1400	34	13	1.2
MAY				
26...	1430	4.9	4	.05
JUN				
22...	1430	4.9	2	.03
JUL				
14...	1430	15	9	.37
AUG				
18...	1200	9.9	3	.08

03575100 FLINT RIVER AT BROWNSBORO, AL
(National Water-Quality Assessment Station)

LOCATION.--Lat 34° 44'57", long 86° 26'48", in SW $^1/_4$ 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 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 620 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: Dec. 3-7, 26-29, Jun. 25 - Jul. 13, Sept. 1,2. Records good except those for estimated daily 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	1730	*36,400	*23.03	Mar 6	1800	19,900	20.20
Mar 3	0130	7,130	16.54				

Minimum discharge, 84 ft^3/s, Oct. 24, 25, 26, gage height, 7.16 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	88	456	695	439	544	424	416	249	e508	215	e187
2	107	87	364	552	405	3,120	381	480	207	e722	209	e177
3	104	86	e320	480	426	4,130	345	601	182	e746	186	166
4	103	87	e430	432	408	1,640	320	482	180	e811	169	158
5	100	90	e522	619	1,330	1,320	298	397	172	e1,050	164	150
6	99	223	e467	792	24,000	12,300	285	334	166	e790	165	146
7	99	145	e401	535	8,930	4,680	278	293	166	e877	158	143
8	98	122	357	438	2,100	1,700	274	269	199	e801	145	145
9	95	108	324	504	1,490	1,300	265	245	223	e616	142	138
10	94	102	746	604	1,240	1,060	251	234	185	e548	150	138
11	94	100	1,150	460	1,100	921	252	218	166	e555	151	131
12	94	100	659	399	1,420	809	765	220	151	e519	189	128
13	92	102	486	368	1,470	721	3,170	237	147	e474	173	128
14	93	99	505	343	1,100	661	1,980	262	144	949	160	126
15	89	99	555	325	1,840	679	1,080	244	154	4,510	151	123
16	87	108	449	302	2,490	1,820	784	254	183	1,370	147	182
17	92	143	747	286	1,440	1,390	619	245	186	780	139	2,410
18	95	169	695	515	1,150	924	504	227	188	600	128	978
19	92	1,100	515	1,190	984	766	433	209	158	459	131	404
20	91	510	421	665	874	666	386	203	145	379	138	279
21	89	273	365	488	799	593	353	190	142	325	169	233
22	88	206	334	421	701	520	331	185	132	286	174	205
23	86	176	337	374	626	474	333	180	153	255	158	190
24	85	186	793	342	586	442	310	172	220	232	152	180
25	84	308	617	1,620	548	416	752	164	e864	279	149	169
26	89	228	e537	2,390	827	393	1,260	158	e2,510	319	153	162
27	97	300	e514	1,190	997	376	720	155	e930	252	170	157
28	98	1,330	e513	854	720	358	467	153	e644	249	171	150
29	94	1,180	e573	686	604	358	374	159	e862	227	157	144
30	91	647	1,490	591	---	482	380	165	e660	212	272	142
31	89	---	1,030	502	---	474	---	240	---	210	239	---
TOTAL	2,918	8,502	17,672	19,962	61,044	46,037	18,374	7,991	10,668	20,910	5,174	8,169
MEAN	94.1	283	570	644	2,105	1,485	612	258	356	675	167	272
MAX	110	1,330	1,490	2,390	24,000	12,300	3,170	601	2,510	4,510	272	2,410
MIN	84	86	320	286	405	358	251	153	132	210	128	123
CFSM	0.25	0.76	1.52	1.72	5.61	3.96	1.63	0.69	0.95	1.80	0.45	0.73
IN.	0.29	0.84	1.75	1.98	6.06	4.57	1.82	0.79	1.06	2.07	0.51	0.81

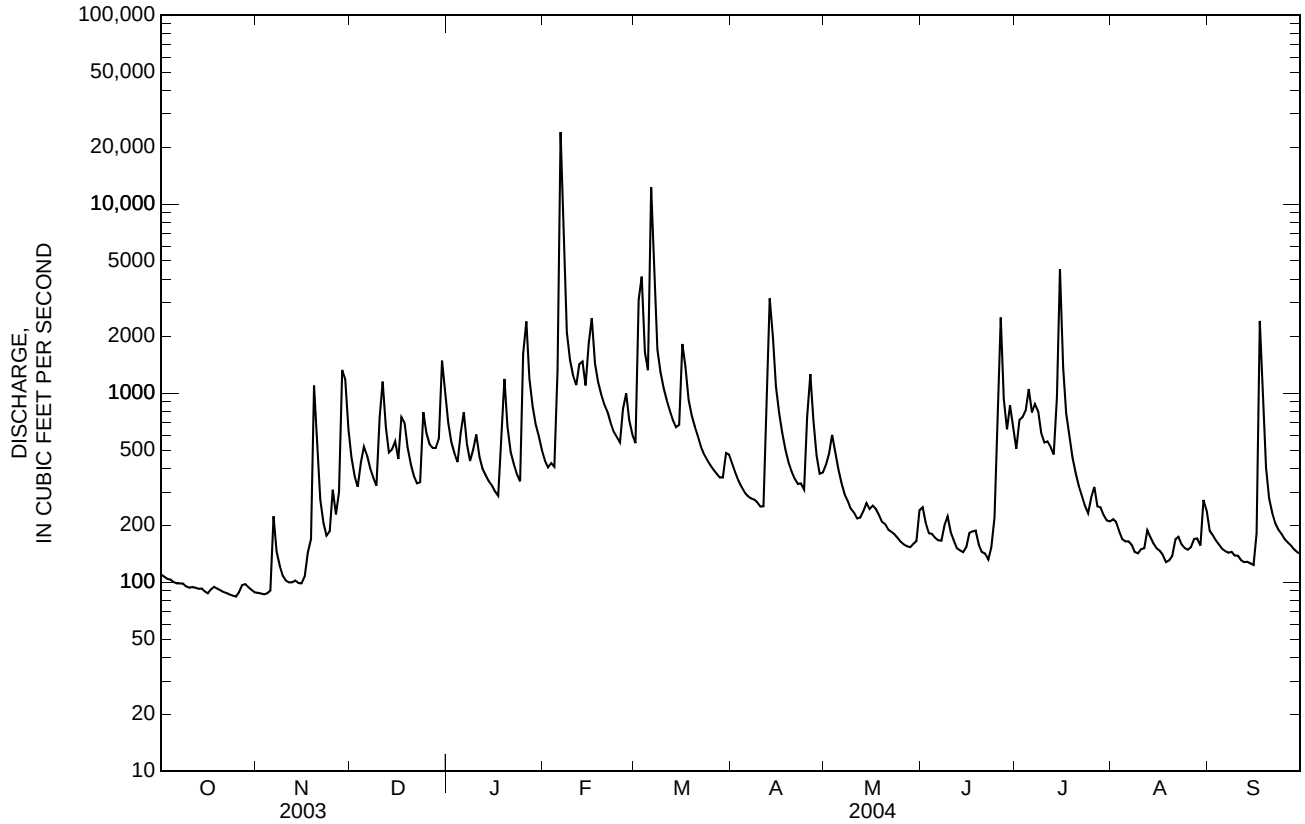
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	182	315	808	1,055	1,371	1,205	839	864	457	456	231	255
MAX	460	651	1,553	2,184	2,283	1,485	1,821	2,348	1,207	891	706	497
(WY)	(2002)	(2003)	(2002)	(1999)	(2003)	(2004)	(2000)	(2003)	(2001)	(2001)	(2001)	(2001)
MIN	85.4	125	185	376	513	805	447	249	172	113	112	89.9
(WY)	(2001)	(1999)	(2000)	(2000)	(2000)	(2003)	(1999)	(2000)	(2000)	(2000)	(1999)	(1999)

03575100 FLINT RIVER AT BROWNSBORO, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	265,294		227,421			
ANNUAL MEAN	727		621		667	
HIGHEST ANNUAL MEAN					825	2003
LOWEST ANNUAL MEAN					403	2000
HIGHEST DAILY MEAN	22,400	May 7	24,000	Feb 6	24,000	Feb 6, 2004
LOWEST DAILY MEAN	78	Sep 13	84	Oct 25	76	Aug 24, 2000
ANNUAL SEVEN-DAY MINIMUM	83	Sep 8	87	Oct 20	81	Oct 15, 2000
MAXIMUM PEAK FLOW			36,400	Feb 6	36,400	Feb 6, 2004
MAXIMUM PEAK STAGE			23.03	Feb 6	23.03	Feb 6, 2004
ANNUAL RUNOFF (CFSM)	1.94		1.66		1.78	
ANNUAL RUNOFF (INCHES)	26.32		22.56		24.16	
10 PERCENT EXCEEDS	1,410		1,150		1,320	
50 PERCENT EXCEEDS	381		320		318	
90 PERCENT EXCEEDS	93		101		96	

e Estimated



TENNESSEE RIVER BASIN

03575100 FLINT RIVER AT BROWNSBORO, AL--Continued
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)
NOV													
13...	0900	14.7	9.0	759	7.30	102	--	5.5	169	8.0	80	7.6	81
JAN													
15...	0830	8.7	8.5	751	7.95	328	--	4.4	155	10.0	87	7.8	75
FEB													
18...	0900	7.5	3.0	760	9.44	1180	--	9.7	133	10.1	84	7.8	58
MAR													
24...	0830	12.2	12.0	760	8.20	454	--	4.0	157	9.3	87	7.9	75
APR													
27...	0745	16.5	14.0	750	8.77	776	--	25	157	7.3	76	7.6	77
MAY													
27...	0900	23.4	26.0	746	7.37	167	--	5.5	184	6.9	83	7.9	84
JUN													
23...	0830	24.1	25.0	748	7.26	136	--	4.6	175	6.2	75	7.8	83
JUL													
15...	0830	22.3	23.0	746	15.62	5740	--	160	84	6.5	76	7.6	36
SEP													
08...	0830	21.7	22.0	737	7.25	143	4.9	--	172	6.5	77	7.8	82

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L (71851)	Nitrite water, fltrd, mg/L (71856)	Total nitrogen, wat unf by analysis, mg/L (62855)	Orthophosphate, water, fltrd, mg/L (00660)	Phosphorus, water, unfltrd mg/L (00665)	Orthophosphate, water, fltrd, mg/L as P (00671)
NOV													
13...	66	--	230	<.04	.008	1.15	1.16	5.11	.026	1.39	.049	.035	.016
JAN													
15...	61	E15	--	<.04	E.005	--	1.35	--	--	1.53	--	.018	E.005
FEB													
18...	48	73	--	<.04	<.008	--	1.61	--	--	1.73	.037	.038	.012
MAR													
24...	62	31	--	<.04	<.008	--	1.53	--	--	1.57	--	.014	<.006
APR													
27...	63	330	--	<.04	.012	1.17	1.19	5.20	.039	1.72	.095	.088	.031
MAY													
27...	69	50	--	<.04	.054	1.64	1.70	7.26	.177	1.99	.163	.077	.053
JUN													
23...	68	48	--	<.04	<.008	--	1.61	--	--	1.76	.123	.065	.040
JUL													
15...	29	7000	--	<.04	.008	.53	.54	2.34	.026	1.39	.310	.29	.101
SEP													
08...	67	65	--	<.04	<.008	--	1.65	--	--	1.81	.113	.035	.037

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
NOV		
13...	4.25	4.0
JAN		
15...	4.53	4.2
FEB		
18...	4.00	4.0
MAR		
24...	4.23	3.1
APR		
27...	4.09	3.8
MAY		
27...	4.55	3.0
JUN		
23...	4.58	3.6
JUL		
15...	2.12	2.8
SEP		
08...	4.03	2.6

TENNESSEE RIVER BASIN

03575100 FLINT RIVER AT BROWNSBORO, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Linuron water fltrd 0.7u GF ug/L (82666)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)	Dieldrin, water, fltrd, ug/L (39381)
NOV													
13...	<.025	<.004	.046	<.01	E.015	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009
JAN													
15...	<.025	<.004	.009	<.01	E.025	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009
MAR													
24...	<.025	<.004	.009	.01	E.024	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009
APR													
27...	<.025	<.004	.017	.01	E.062	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009
MAY													
27...	<.025	<.004	.008	.01	E.027	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009
JUN													
23...	<.025	<.004	.009	.01	E.029	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009
JUL													
15...	<.025	<.004	.009	.01	E.011	<.018	<.003	<.005	<.003	.727	<.005	<.004	<.009
SEP													
08...	<.025	<.004	<.010	<.01	E.016	<.018	<.003	<.005	<.003	<.035	<.005	<.004	<.009

Date	Metolachlor, water, fltrd, ug/L (39415)	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Fipronil, water, fltrd, ug/L (62166)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Desulfinyl fipronil amide, wat flt ug/L (62169)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	DCPA, water fltrd 0.7u GF ug/L (82682)
NOV													
13...	E.007	<.027	<.010	<.005	.014	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
JAN													
15...	E.008	<.027	<.010	<.005	.018	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
MAR													
24...	.021	<.027	<.010	<.005	.031	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
APR													
27...	.181	<.027	<.010	<.005	1.49	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
MAY													
27...	.013	<.027	<.010	<.005	.070	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
JUN													
23...	E.010	<.027	<.010	<.005	.055	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
JUL													
15...	.130	<.027	<.010	<.005	.062	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003
SEP													
08...	.015	<.027	<.010	<.005	.027	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.003

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)
NOV													
13...	E.051	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	E.01	<.003	<.005
JAN													
15...	<.041	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	<.02	<.003	<.005
MAR													
24...	<.041	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	E.01	<.003	<.005
APR													
27...	E.011	.016	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	<.02	<.003	<.005
MAY													
27...	<.041	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	.02	<.003	<.005
JUN													
23...	<.041	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	E.01	<.003	<.005
JUL													
15...	E.051	.211	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	<.02	<.003	<.005
SEP													
08...	<.041	<.006	<.006	<.009	<.009	<.011	<.034	<.015	<.004	<.004	<.02	<.003	<.005

TENNESSEE RIVER BASIN

03575100 FLINT RIVER AT BROWNSBORO, AL--Continued
(National Water-Quality Assessment Station)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Benflur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)
NOV													
13...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006
JAN													
15...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006
MAR													
24...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006
APR													
27...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	E.009	<.007	<.02	<.050	<.006
MAY													
27...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006
JUN													
23...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006
JUL													
15...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006
SEP													
08...	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.010	<.022	<.007	<.02	<.050	<.006

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instan-taneous dis-charge, cfs (00061)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
NOV				
13...	0900	102	2	.55
JAN				
15...	0830	328	4	3.5
FEB				
18...	0900	1180	8	25
MAR				
24...	0830	454	5	6.1
APR				
27...	0745	776	27	57
MAY				
27...	0900	167	6	2.7
JUN				
23...	0830	136	5	1.8
JUL				
15...	0830	5740	120	1860

03575500 TENNESSEE RIVER AT WHITESBURG, AL

LOCATION.--Lat 34°34'18", long 86°33'29", 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 mi^2.

PERIOD OF RECORD.--October 1924 to September 1997. October 1997 to September 1999 (gage height only). Monthly discharge only for some periods, published in WSP 1306. October 1999 to current year (discharge). 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.--Records fair except for estimated daily discharges, which are poor. Flow almost completely regulated.

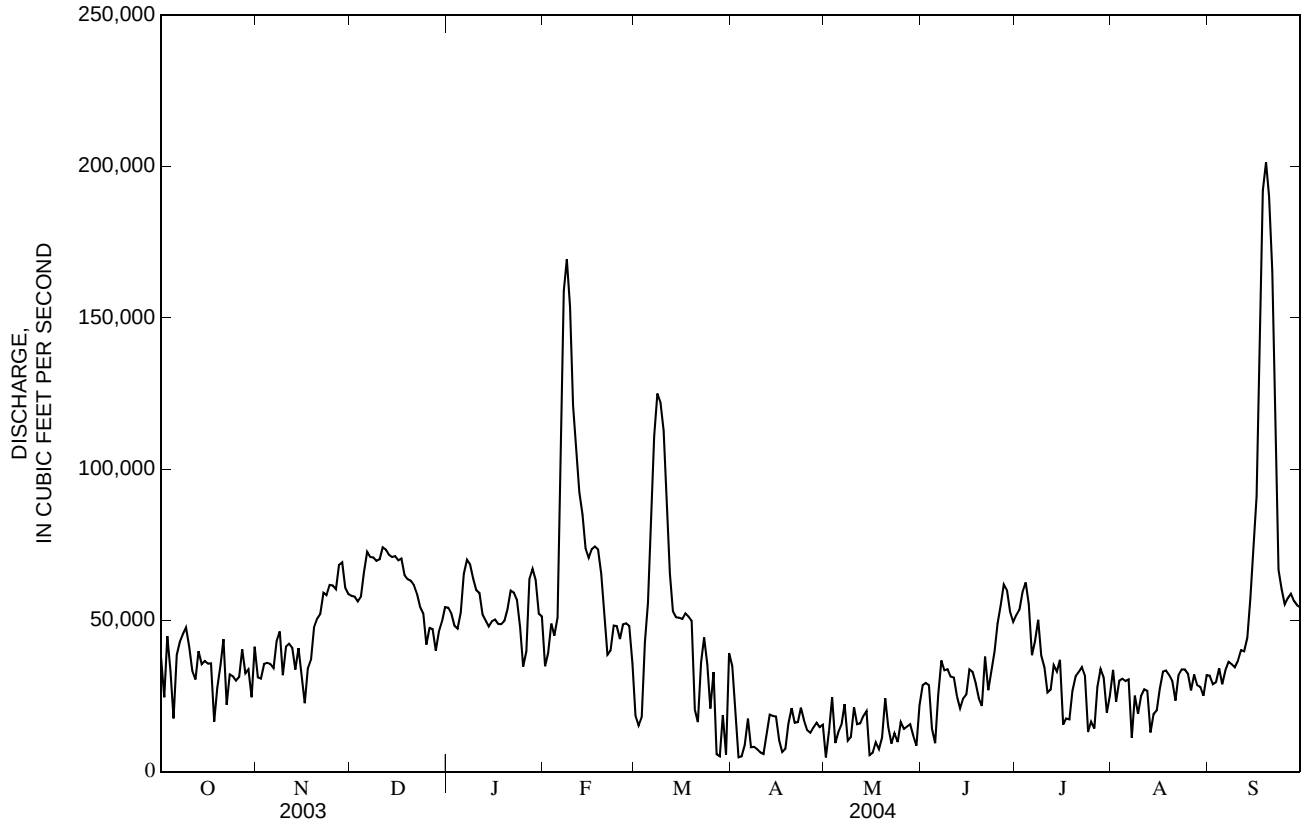
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 323,000 ft^3/s, Mar. 19, 1973, gage height 26.06 ft. Maximum gage height (since October 1997), 16.41 ft, Jan. 9, 1998; minimum gage height (since October 1997), 1.08 ft, Jan. 3, 4, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 204,000 ft^3/s, Sept. 19; maximum gage height, 18.48 ft; minimum discharge, 0 ft^3/s, many days, minimum gage height 1.71 ft, Mar. 25.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37,700	31,200	58,100	54,200	34,900	18,600	34,900	4,690	28,600	51,700	33,700	31,700
2	24,600	30,700	57,900	52,300	39,200	15,200	18,300	13,600	29,300	53,600	23,200	28,900
3	44,800	35,600	56,300	48,200	49,000	18,000	4,710	24,600	28,600	59,300	30,100	29,600
4	33,100	36,000	57,900	47,300	45,000	42,800	5,030	9,460	14,200	62,500	30,700	34,200
5	17,600	35,600	65,900	52,600	51,000	55,800	8,810	13,100	9,430	55,400	29,900	28,900
6	38,600	34,200	72,700	65,400	97,700	81,600	17,500	15,600	25,300	38,500	30,400	33,500
7	42,900	43,100	71,000	70,100	159,000	111,000	8,090	22,300	36,800	43,100	11,200	36,300
8	45,500	46,300	70,800	68,500	169,000	125,000	8,210	10,200	33,500	50,200	25,100	35,500
9	47,600	31,900	69,600	63,700	154,000	122,000	7,430	11,400	33,900	38,400	19,100	34,500
10	41,200	41,300	70,200	e60,000	121,000	113,000	6,330	21,300	31,400	34,500	25,000	36,600
11	33,400	42,300	74,100	e59,000	107,000	88,800	5,830	15,700	31,100	26,200	27,200	40,100
12	30,400	40,900	73,400	e52,000	92,400	65,500	12,500	16,000	25,000	27,100	26,700	39,800
13	39,800	33,800	71,700	e50,000	84,900	53,100	18,800	18,400	20,800	35,200	12,900	44,200
14	35,600	40,800	70,900	e48,000	73,800	51,000	18,400	20,000	24,100	33,100	19,000	57,300
15	36,600	32,000	71,200	49,700	70,700	50,900	18,300	5,440	25,500	36,900	20,200	76,700
16	35,700	22,600	69,900	50,300	73,500	50,500	10,400	6,240	33,800	15,500	27,400	91,000
17	35,800	34,000	70,400	48,800	74,400	52,300	6,510	9,750	33,000	17,600	33,000	129,000
18	16,500	37,000	64,900	48,800	73,500	51,300	7,580	7,470	29,400	17,200	33,400	192,000
19	27,600	47,700	63,600	49,900	65,400	49,900	16,000	11,200	24,300	26,700	31,900	201,000
20	35,000	50,600	63,100	53,700	53,000	20,500	21,000	24,200	21,700	31,500	30,000	190,000
21	43,800	52,100	61,700	59,900	38,600	16,400	16,200	14,700	38,000	32,900	23,500	166,000
22	22,100	59,100	58,700	59,200	40,000	36,100	16,400	9,250	26,900	34,600	32,000	117,000
23	32,200	58,300	54,500	56,900	48,300	44,300	21,200	12,700	33,100	31,800	33,800	66,700
24	31,500	61,700	52,300	47,700	48,100	35,400	16,900	9,800	39,600	13,100	33,800	60,400
25	30,100	61,500	42,000	34,800	43,900	20,900	13,700	16,400	48,900	16,500	32,300	55,300
26	31,300	60,300	47,500	39,800	48,700	32,900	12,800	14,200	55,100	14,300	26,900	57,400
27	40,400	68,300	47,100	63,600	49,000	5,790	14,600	14,900	61,900	28,000	32,100	58,800
28	32,500	69,200	40,000	67,000	48,200	5,100	16,200	15,700	59,900	33,900	28,600	56,400
29	33,800	60,800	46,200	63,400	35,800	18,700	14,700	11,900	53,000	31,300	28,000	54,900
30	24,600	58,700	49,700	52,200	---	5,600	15,500	8,590	49,500	19,500	25,100	54,300
31	41,300	---	54,400	51,300	---	39,200	---	21,800	---	25,100	31,900	---
TOTAL	1,063,600	1,357,600	1,897,700	1,688,300	2,089,000	1,497,190	412,830	430,590	1,005,630	1,035,200	848,100	2,138,000
MEAN	34,310	45,250	61,220	54,460	72,030	48,300	13,760	13,890	33,520	33,390	27,360	71,270
MAX	47,600	69,200	74,100	70,100	169,000	125,000	34,900	24,600	61,900	62,500	33,800	201,000
MIN	16,500	22,600	40,000	34,800	34,900	5,100	4,710	4,690	9,430	13,100	11,200	28,900

03575500 TENNESSEE RIVER AT WHITESBURG, AL—Continued



03575500 TENNESSEE RIVER AT WHITESBURG, AL—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.67	4.77	6.52	5.55	4.60	3.08	3.91	6.35	7.48	8.06	7.94	7.69
2	5.13	4.88	6.23	5.42	4.74	3.96	3.63	6.63	7.58	8.40	7.30	7.62
3	5.66	5.28	5.94	5.23	5.26	4.70	3.28	7.30	7.67	8.64	7.28	7.48
4	5.12	4.82	5.96	5.60	4.56	6.06	3.17	7.00	7.26	8.89	7.48	7.65
5	4.85	4.69	6.44	6.31	5.16	---	3.20	7.20	6.96	8.74	7.55	7.02
6	5.77	4.50	6.94	6.89	10.17	---	3.54	7.13	7.49	7.76	7.71	6.92
7	5.75	4.73	6.71	6.75	15.50	---	3.26	7.08	7.66	7.78	6.83	6.87
8	5.49	5.03	6.91	6.60	16.56	13.45	3.47	6.66	7.12	8.04	7.46	6.81
9	5.51	4.22	7.02	6.27	15.38	13.01	3.51	6.93	7.29	7.28	6.84	7.09
10	5.03	4.99	7.55	5.36	12.88	11.95	3.54	7.33	7.32	7.34	6.97	7.08
11	4.76	5.07	7.74	4.80	11.74	9.76	3.62	7.05	7.43	6.87	7.10	7.43
12	4.71	5.06	7.67	4.90	10.43	7.74	4.06	6.89	6.81	6.82	7.52	7.41
13	5.35	4.98	7.62	4.60	9.90	6.28	4.97	6.85	6.76	7.24	6.97	7.96
14	4.79	5.09	7.95	5.03	8.97	5.73	5.76	7.16	6.87	7.45	6.97	8.44
15	4.63	4.46	7.99	5.71	9.22	5.19	6.36	6.99	6.97	7.97	7.46	9.40
16	4.65	4.35	7.98	5.19	9.81	5.12	6.47	7.07	7.54	7.20	7.40	10.02
17	4.60	5.52	7.86	4.69	9.92	5.31	6.54	6.83	7.69	7.22	7.32	12.97
18	3.90	5.24	7.01	5.03	9.75	5.09	6.51	6.57	7.62	7.30	7.57	17.59
19	4.73	5.91	6.46	5.07	9.07	4.98	6.57	6.69	7.28	7.16	7.54	18.29
20	5.19	5.55	6.06	4.98	7.74	3.47	6.68	7.24	7.28	7.26	7.46	17.53
21	5.45	5.23	5.81	5.40	6.29	4.03	6.41	7.06	7.72	7.72	7.01	16.02
22	4.04	5.92	5.96	5.45	5.32	5.03	6.40	6.47	6.86	7.87	7.86	12.62
23	4.54	6.28	5.72	5.12	5.27	4.69	6.59	6.65	7.38	7.40	7.46	8.95
24	4.51	6.64	5.39	4.33	5.16	3.70	6.58	6.54	8.02	6.31	7.12	8.13
25	4.82	6.05	4.48	4.35	4.63	2.92	6.51	6.57	8.16	6.49	7.16	7.62
26	5.27	6.12	5.10	5.70	4.99	4.11	6.76	6.69	8.64	6.55	7.36	7.58
27	5.47	6.79	5.20	7.69	4.96	3.38	6.89	6.72	9.05	7.36	7.48	7.72
28	5.01	7.18	4.83	7.68	5.19	3.26	7.00	6.79	8.64	7.78	7.07	7.55
29	4.50	6.60	5.20	7.31	4.34	3.45	6.97	6.88	8.38	7.63	7.36	7.59
30	4.21	6.49	5.49	5.96	---	2.62	6.91	6.75	8.17	7.34	7.27	7.62
31	4.66	---	5.47	5.53	---	4.27	---	7.12	---	7.59	7.61	---
MEAN	4.96	5.41	6.43	5.63	8.19	---	5.30	6.88	7.57	7.53	7.34	9.36
MAX	5.77	7.18	7.99	7.69	16.56	---	7.00	7.33	9.05	8.89	7.94	18.29
MIN	4.04	4.22	4.48	4.33	4.34	---	3.17	6.35	6.76	6.31	6.83	6.81

03576250 LIMESTONE CREEK NEAR ATHENS, AL

LOCATION.--Lat 34° 45'06", long 86° 49'24", in SW $^1/_4$ 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 mi^2.

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 NGVD of 1929.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 23, 1990 reached a stage of 15.20 ft, discharge, 26,700 ft^3/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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 6	0730	*15,400	*12.99	Jun 26	0315	5,100	9.40
Mar 6	1215	7,750	10.62				

Minimum discharge, 18 ft^3/s, Aug. 18, gage height, 1.04 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

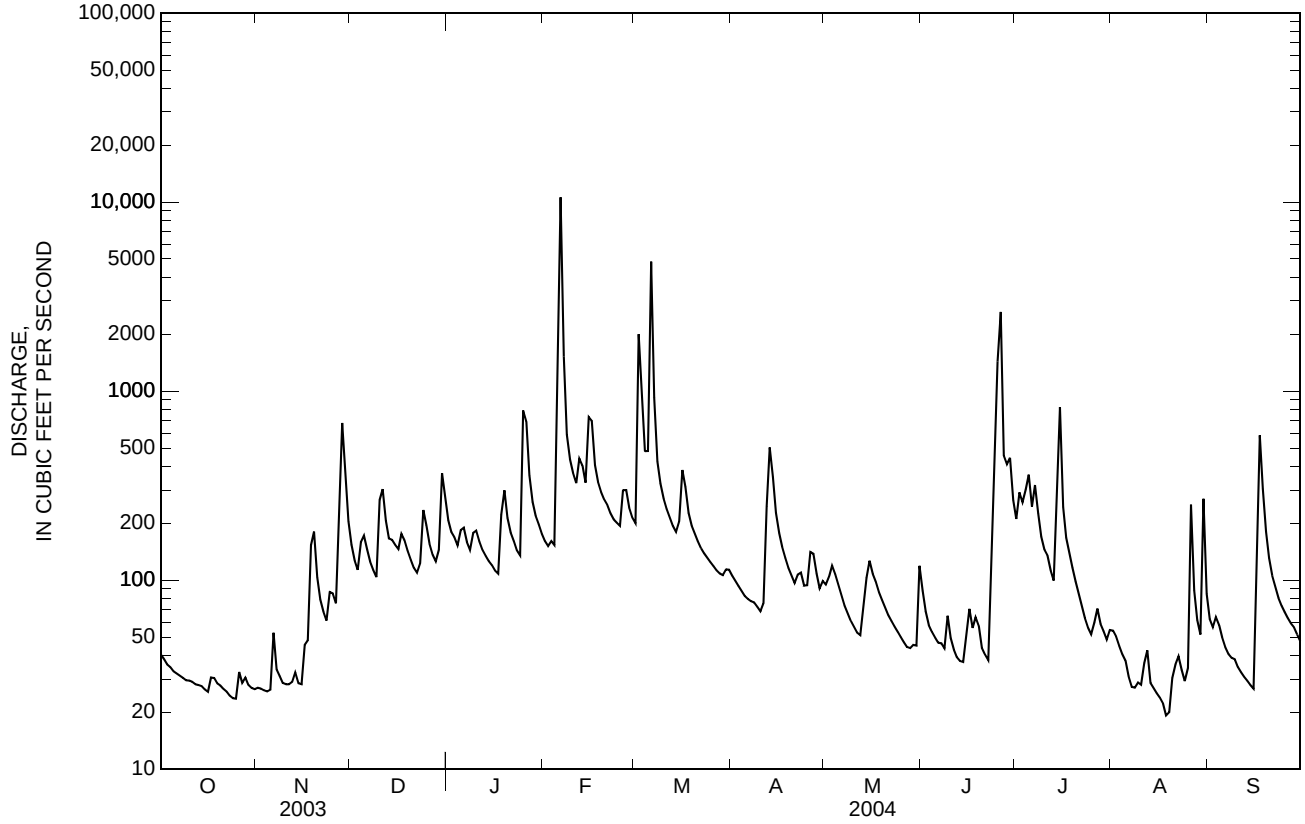
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	27	155	208	161	200	106	95	88	211	54	63
2	38	27	127	180	152	2,000	99	105	68	291	50	56
3	36	26	113	169	161	1,080	93	120	58	259	45	64
4	35	26	159	153	154	482	88	107	53	302	41	58
5	33	26	172	184	1,390	483	83	94	50	362	38	50
6	32	53	145	189	10,600	4,840	80	83	47	245	31	44
7	31	34	125	159	1,530	925	77	73	46	319	27	41
8	30	31	113	145	590	425	76	67	44	226	27	39
9	30	29	104	178	435	325	72	61	65	170	29	38
10	29	28	266	183	369	270	68	57	50	145	28	35
11	29	28	303	160	326	238	76	53	43	135	36	33
12	28	29	206	144	440	214	247	51	39	113	43	31
13	28	33	166	135	403	194	504	71	37	100	29	29
14	28	29	164	126	329	180	352	103	37	240	27	28
15	26	28	154	120	730	204	227	127	52	824	25	27
16	26	46	146	113	697	383	178	108	71	244	24	143
17	31	48	176	108	406	312	150	99	56	168	22	585
18	30	153	163	222	331	227	131	87	64	140	19	304
19	29	181	143	299	292	195	116	79	57	117	20	181
20	28	104	128	214	267	176	106	72	44	98	30	131
21	27	79	116	179	249	161	97	65	40	85	36	106
22	26	68	110	161	226	148	107	61	38	73	40	93
23	25	61	123	144	210	139	110	57	158	63	33	81
24	24	86	235	135	202	131	94	53	583	56	29	73
25	24	85	196	791	194	125	94	50	1,430	52	34	68
26	33	76	156	691	299	119	141	47	2,620	60	251	63
27	29	193	137	359	300	113	138	44	457	71	88	59
28	31	680	126	260	242	109	109	44	411	59	62	56
29	28	357	145	220	214	106	90	46	444	54	52	52
30	27	205	368	197	---	114	99	45	265	49	269	48
31	27	---	281	176	---	114	---	119	---	55	85	---
TOTAL	918	2,876	5,221	6,702	21,899	14,732	4,008	2,343	7,515	5,386	1,624	2,679
MEAN	29.6	95.9	168	216	755	475	134	75.6	250	174	52.4	89.3
MAX	40	680	368	791	10,600	4,840	504	127	2,620	824	269	585
MIN	24	26	104	108	152	106	68	44	37	49	19	27
CFSM	0.25	0.81	1.42	1.82	6.35	3.99	1.12	0.64	2.11	1.46	0.44	0.75
IN.	0.29	0.90	1.63	2.10	6.85	4.61	1.25	0.73	2.35	1.68	0.51	0.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	46.2	112	253	394	466	416	284	163	91.4	89.2	52.7	51.7
MAX	192	809	925	1,181	1,167	1,052	736	676	395	379	329	184
(WY)	(1998)	(1958)	(1952)	(1949)	(1951)	(1963)	(1964)	(2003)	(1997)	(1967)	(1967)	(1950)
MIN	11.6	14.1	22.0	25.3	101	52.5	55.0	21.4	16.9	18.5	11.9	9.24
(WY)	(1954)	(1954)	(1940)	(1940)	(1941)	(1962)	(1966)	(1941)	(1941)	(2000)	(1954)	(1954)

03576250 LIMESTONE CREEK NEAR ATHENS, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	78,298		75,903			
ANNUAL MEAN	215		207		200	
HIGHEST ANNUAL MEAN					346	1949
LOWEST ANNUAL MEAN					79.4	1941
HIGHEST DAILY MEAN	6,300	May 6	10,600	Feb 6	14,200	Mar 12, 1963
LOWEST DAILY MEAN	18	Sep 13	19	Aug 18	8.0	Sep 2, 1962
ANNUAL SEVEN-DAY MINIMUM	20	Sep 7	24	Aug 13	8.8	Sep 11, 1954
MAXIMUM PEAK FLOW			15,400	Feb 6	45,800	Mar 16, 1973
MAXIMUM PEAK STAGE			12.99	Feb 6	17.48	Mar 16, 1973
ANNUAL RUNOFF (CFSM)	1.80		1.74		1.68	
ANNUAL RUNOFF (INCHES)	24.48		23.73		22.87	
10 PERCENT EXCEEDS	388		337		427	
50 PERCENT EXCEEDS	110		104		71	
90 PERCENT EXCEEDS	27		29		18	



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 mi^2.

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 NGVD of 1929.

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), 10.29 ft, May 10, 2003; 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, 8.09 ft., Feb. 8; minimum gage height, 0.22 ft., Apr. 4.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.39	3.67	3.87	2.82	3.20	2.44	2.33	6.34	6.84	6.50	7.16	6.94
2	4.36	3.84	3.43	2.87	3.02	3.55	3.00	6.40	6.91	---	6.78	6.96
3	3.94	3.97	3.16	3.10	3.04	4.16	3.23	6.75	7.02	---	6.58	6.80
4	3.96	3.40	3.00	3.70	2.40	4.42	3.06	6.92	7.05	---	6.77	6.82
5	4.34	3.29	2.73	4.13	2.66	---	3.00	7.00	6.82	7.16	6.87	6.29
6	4.39	3.16	2.58	3.58	5.15	---	2.96	6.81	6.93	6.79	7.03	6.06
7	4.13	2.83	2.41	2.68	7.03	---	3.11	6.59	6.75	6.57	6.70	5.88
8	3.66	2.99	2.87	2.65	7.98	---	3.32	6.57	6.28	---	6.91	5.86
9	3.54	3.00	3.26	2.77	7.71	7.34	3.37	6.76	6.45	---	6.46	6.21
10	3.41	3.35	4.09	2.46	7.25	6.50	3.42	6.86	6.58	---	6.42	6.11
11	3.52	3.35	3.91	2.31	7.02	5.65	3.53	6.74	6.65	---	6.48	6.36
12	3.60	3.46	3.89	2.87	6.47	4.95	3.73	6.53	6.22	6.17	6.95	6.35
13	3.75	3.77	4.01	2.93	6.38	4.09	4.44	6.48	6.30	6.34	6.73	6.75
14	3.41	3.45	4.66	3.60	6.01	3.50	5.25	6.78	6.31	6.65	6.54	6.55
15	3.22	3.21	4.70	3.60	6.70	2.70	5.93	6.96	6.38	7.08	7.07	6.39
16	3.26	3.64	4.83	---	7.31	2.65	6.36	6.98	6.72	6.89	6.74	5.84
17	3.19	4.41	4.58	2.20	7.39	2.71	6.49	6.71	6.92	6.86	6.51	6.03
18	3.44	3.90	3.86	2.74	7.24	2.50	6.40	6.50	6.94	6.94	6.77	6.60
19	3.84	4.02	3.10	2.65	6.91	2.51	6.20	6.50	6.75	6.55	6.79	6.95
20	3.88	3.24	2.46	2.00	6.05	2.71	6.14	6.70	6.80	6.50	6.75	6.83
21	3.78	2.61	2.23	1.81	5.00	3.53	6.06	6.79	6.76	6.95	6.50	7.22
22	3.33	2.70	2.90	2.00	3.76	3.59	6.05	6.34	6.19	7.06	7.14	7.27
23	3.37	3.45	3.05	1.78	3.12	2.61	6.12	6.42	6.58	6.63	6.62	6.67
24	3.32	3.62	2.83	1.75	3.01	2.01	6.24	6.39	7.02	6.06	6.26	6.05
25	3.78	2.69	2.59	2.94	2.64	2.13	6.23	6.21	6.81	6.11	6.37	5.72
26	4.25	---	2.99	4.14	2.68	2.80	6.54	6.43	7.04	6.25	6.74	5.48
27	---	---	3.18	5.06	2.59	3.30	6.64	6.41	7.19	6.68	6.68	5.57
28	3.86	3.61	3.21	4.67	3.04	3.20	6.70	6.49	6.77	6.97	6.39	5.54
29	3.11	3.67	3.25	4.50	2.76	2.85	6.76	6.65	6.85	6.91	6.70	5.71
30	---	3.75	3.29	3.70	---	2.52	6.63	6.63	6.77	6.94	6.68	5.80
31	---	---	2.68	3.16	---	2.39	---	6.63	---	7.04	6.86	---
MEAN	---	---	3.34	---	5.02	---	4.97	6.62	6.72	---	6.71	6.32
MAX	---	---	4.83	---	7.98	---	6.76	7.00	7.19	---	7.16	7.27
MIN	---	---	2.23	---	2.40	---	2.33	6.21	6.19	---	6.26	5.48

03586500 BIG NANCE CREEK AT COURTLAND, AL

LOCATION.--Lat 34°40'12", long 87°19'02", in SW $^1/_4$ 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 mi^2.

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 NGVD of 1929. July 25, 1935 to Sept. 30, 1940, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: May 19,20. 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.--Peak discharges greater than base discharge of 3,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 7	0400	*10,600	*21.76	Mar 7	0600	3,820	14.74
Mar 3	1300	4,130	15.51				

Minimum discharge, 8.6 ft^3/s, Aug. 18, 19, 20, gage height, 1.44 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	17	238	190	173	258	128	76	47	83	44	17
2	33	18	164	154	155	2,080	112	78	41	184	41	40
3	30	17	118	142	175	3,840	98	89	29	158	33	57
4	28	17	278	135	172	2,020	88	81	25	95	27	67
5	28	17	427	209	1,480	799	81	67	26	83	23	97
6	31	18	231	430	6,390	2,820	76	60	23	82	21	56
7	22	19	153	226	8,940	3,350	73	52	20	266	19	35
8	22	19	116	160	4,160	1,070	72	46	18	334	18	23
9	22	19	98	205	1,040	648	72	42	17	128	16	16
10	22	18	235	276	687	532	67	39	16	80	16	13
11	21	17	576	187	633	457	68	39	16	64	15	12
12	22	18	277	144	1,060	398	117	38	16	54	15	10
13	21	18	186	129	1,220	341	270	39	15	120	14	89
14	20	17	166	117	691	284	295	40	17	120	12	64
15	18	18	180	110	995	266	187	42	19	66	11	32
16	18	23	150	101	1,220	863	124	40	33	74	9.8	106
17	19	48	159	92	691	685	99	41	34	54	9.3	1,550
18	19	50	162	227	545	375	85	47	25	44	8.9	1,070
19	21	120	130	465	448	284	76	e40	28	39	8.6	261
20	22	161	107	233	386	235	69	e34	28	35	15	130
21	21	89	91	160	323	208	64	31	19	31	141	84
22	19	57	83	134	259	179	65	27	15	28	66	65
23	17	45	89	118	214	152	67	24	16	26	38	53
24	15	60	228	107	192	136	67	22	44	25	17	45
25	16	156	220	1,090	182	125	70	21	553	25	12	39
26	18	93	140	1,970	754	119	168	20	903	247	11	35
27	18	371	113	750	910	111	187	19	252	847	11	32
28	19	1,750	105	433	456	105	98	19	124	550	25	29
29	21	1,090	100	313	313	101	72	18	129	126	25	26
30	19	394	359	253	---	100	66	19	110	71	21	23
31	18	---	311	207	---	115	---	32	---	55	18	---
TOTAL	676	4,774	5,990	9,467	34,864	23,056	3,181	1,282	2,658	4,194	761.6	4,176
MEAN	21.8	159	193	305	1,202	744	106	41.4	88.6	135	24.6	139
MAX	36	1,750	576	1,970	8,940	3,840	295	89	903	847	141	1,550
MIN	15	17	83	92	155	100	64	18	15	25	8.6	10
CFSM	0.13	0.96	1.16	1.84	7.24	4.48	0.64	0.25	0.53	0.82	0.15	0.84
IN.	0.15	1.07	1.34	2.12	7.81	5.17	0.71	0.29	0.60	0.94	0.17	0.94

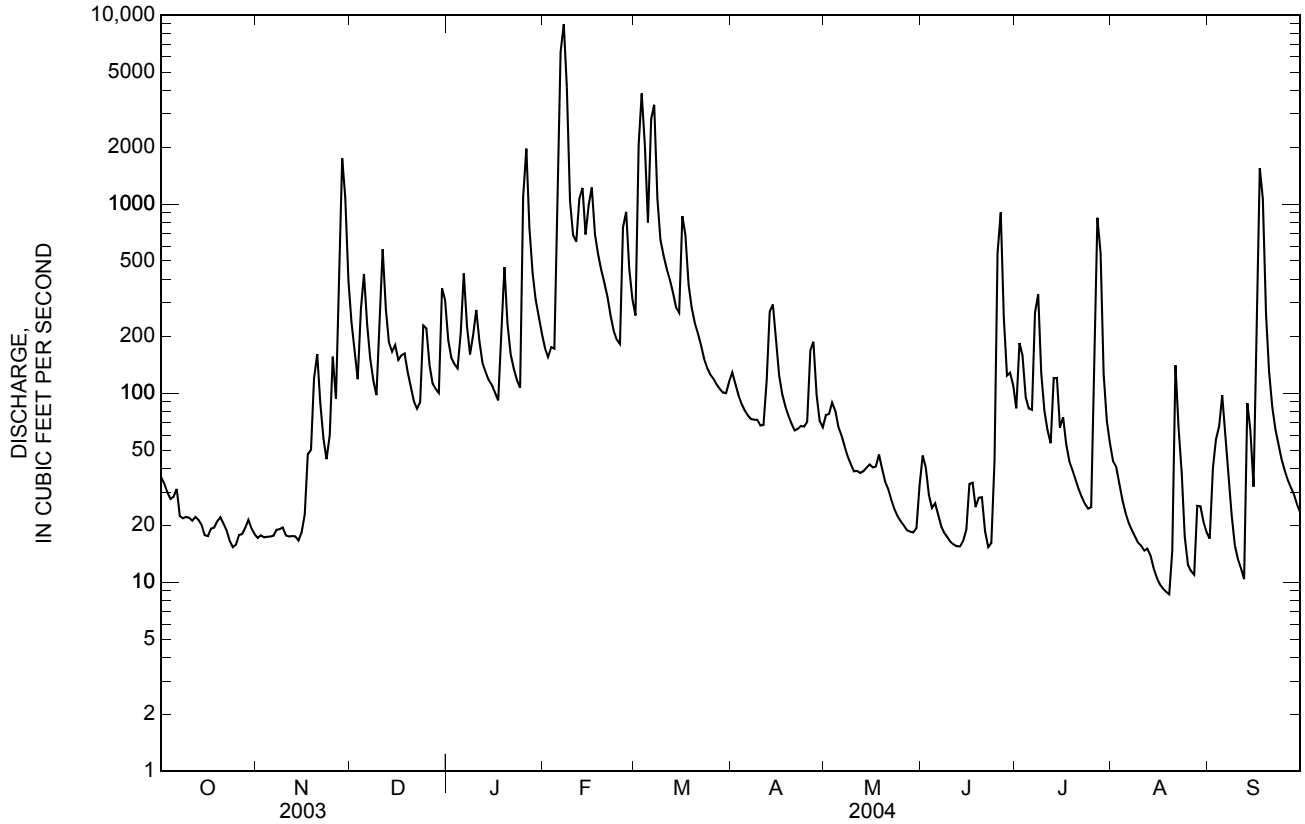
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2004, BY WATER YEAR (WY)

MEAN	76.2	150	353	577	634	628	396	224	130	91.3	52.4	63.3
MAX	1,481	1,170	1,704	1,702	1,523	1,775	1,130	1,123	1,202	640	323	569
(WY)	(1976)	(1958)	(1991)	(1949)	(1991)	(1973)	(1970)	(2003)	(1997)	(1940)	(1938)	(1979)
MIN	0.52	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)

03586500 BIG NANCE CREEK AT COURTLAND, AL—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1935 - 2004	
ANNUAL TOTAL	125,923		95,079.6			
ANNUAL MEAN	345		260		282	
HIGHEST ANNUAL MEAN					580	1991
LOWEST ANNUAL MEAN					97.9	1966
HIGHEST DAILY MEAN	5,410	Feb 23	8,940	Feb 7	18,400	Dec 23, 1990
LOWEST DAILY MEAN	15	Oct 24	8.6	Aug 19	0.40	Sep 15, 1954
ANNUAL SEVEN-DAY MINIMUM	17	Oct 22	11	Aug 13	0.41	Oct 11, 1955
MAXIMUM PEAK FLOW			10,600	Feb 7	27,200	Mar 16, 1973
MAXIMUM PEAK STAGE			21.76	Feb 7	24.97	Mar 16, 1973
ANNUAL RUNOFF (CFSM)	2.08		1.56		1.70	
ANNUAL RUNOFF (INCHES)	28.22		21.31		23.10	
10 PERCENT EXCEEDS	859		551		637	
50 PERCENT EXCEEDS	128		75		75	
90 PERCENT EXCEEDS	20		17		5.3	

e Estimated



03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", 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 mi^2, approximately.

PERIOD OF RECORD.--November 1871 to September 1894 (gage height only), October 1894 to September 1997. October 1997 to September 1999 (gage height only), October 1999 to current year (discharge).

REVISED RECORDS.--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 downstsream 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.--Records fair, except for estimated discharges, which are poor. 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 ft^3/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), 7.32 ft, Jan. 1, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 226,000 ft^3/s, Sept. 19, gage height 20.57 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41,000	e26,100	e79,000	e56,200	e34,800	25,100	27,600	21,000	32,400	66,400	49,700	47,900
2	33,600	e22,800	e75,900	e65,800	e66,100	23,500	20,900	19,300	37,200	65,000	41,600	42,600
3	58,700	e47,100	e76,500	e41,300	e57,300	68,700	23,200	19,400	34,800	70,000	37,100	48,400
4	23,100	e43,400	e74,100	e38,500	e64,000	58,000	24,900	23,000	27,300	64,800	45,500	46,400
5	20,700	e40,800	e83,500	e66,500	e104,000	78,100	18,000	20,900	17,000	80,000	31,900	50,800
6	46,800	e40,400	e88,500	e86,500	e207,000	135,000	27,400	31,400	23,800	63,000	49,800	45,800
7	60,000	e48,500	e71,400	e88,200	e232,000	138,000	18,200	30,700	62,300	52,200	19,100	50,300
8	52,000	e45,000	e73,900	e80,300	e251,000	151,000	17,300	20,800	37,600	62,700	43,800	34,800
9	49,600	e18,400	e57,300	e80,500	e217,000	158,000	15,200	18,400	e43,400	49,100	43,700	44,400
10	38,000	e46,400	e74,700	e90,400	152,000	147,000	15,600	25,000	e19,600	34,100	35,300	40,100
11	26,400	e46,100	e87,600	e49,900	136,000	125,000	14,100	26,500	e38,900	36,000	42,400	45,100
12	e18,800	e41,300	e87,800	e67,800	122,000	100,000	17,900	28,900	25,500	30,800	e15,400	29,300
13	e55,900	e31,300	79,700	e31,500	107,000	89,300	23,900	19,700	17,100	43,000	32,500	55,000
14	e48,400	e55,200	e71,500	e53,500	104,000	82,200	e16,400	21,300	32,300	33,900	e11,500	61,200
15	e35,400	e34,800	e77,700	e66,700	79,500	80,500	22,400	19,300	22,900	34,700	15,300	79,600
16	e40,600	e5,890	80,900	e74,000	92,700	70,500	19,100	15,600	36,700	39,900	52,000	134,000
17	e34,200	e46,900	96,800	55,700	100,000	73,900	21,100	28,200	36,600	18,000	31,300	136,000
18	e12,700	e68,100	97,200	e52,700	98,600	69,200	23,200	19,400	36,800	33,300	39,600	192,000
19	e15,400	e62,300	e93,900	e69,200	91,300	71,500	26,800	20,600	33,000	40,900	29,000	197,000
20	e64,400	e64,200	e82,000	e73,600	98,100	19,500	32,300	19,500	16,200	30,500	51,100	186,000
21	e36,800	e65,800	e61,000	e67,800	82,900	15,000	28,400	30,900	59,800	31,600	19,400	145,000
22	e51,200	e57,900	70,100	e59,400	81,800	61,800	25,000	16,100	30,000	41,400	36,000	127,000
23	e20,400	e35,400	e63,700	e66,500	68,000	70,800	30,400	16,300	31,500	55,200	63,100	81,300
24	e30,500	e88,700	e69,500	e36,400	67,800	48,000	23,600	21,300	52,600	22,900	39,400	90,500
25	e22,300	e78,200	e48,900	28,300	63,700	28,200	18,700	14,700	89,900	12,400	32,400	66,200
26	e26,200	e77,400	e49,400	53,100	65,100	21,600	21,900	19,700	84,900	19,000	35,500	61,700
27	e34,200	e64,000	e49,100	e79,400	57,800	17,000	24,500	17,900	95,200	21,700	52,700	58,900
28	e57,600	e89,200	e48,100	e81,400	50,900	23,200	20,800	12,700	84,800	51,300	35,500	64,700
29	e46,400	e76,900	e56,300	85,200	62,800	39,700	26,900	19,000	67,700	30,700	35,000	53,100
30	e30,300	e68,000	e59,700	e79,000	---	21,900	28,600	18,100	82,100	28,400	36,700	51,500
31	e34,400	---	e88,600	e62,500	---	62,400	---	27,100	---	28,900	37,900	---
TOTAL	1,166,000	1,536,490	2,274,300	1,987,800	3,015,200	2,173,600	674,300	662,700	1,309,900	1,291,800	1,141,200	2,366,600
MEAN	37,610	51,220	73,360	64,120	104,000	70,120	22,480	21,380	43,660	41,670	36,810	78,890
MAX	64,400	89,200	97,200	90,400	251,000	158,000	32,300	31,400	95,200	80,000	63,100	197,000
MIN	12,700	5,890	48,100	28,300	34,800	15,000	14,100	12,700	16,200	12,400	11,500	29,300

e Estimated

03589500 TENNESSEE RIVER AT FLORENCE, AL—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.59	8.50	9.65	9.21	---	9.25	12.09	12.75	13.02	14.24	14.98	13.20
2	10.09	8.37	9.51	9.79	10.21	9.14	11.62	12.99	12.84	13.56	14.42	13.18
3	10.97	9.20	9.65	9.31	---	11.40	11.65	12.98	12.55	13.48	13.57	13.26
4	10.08	9.32	9.53	9.22	9.95	10.95	11.86	13.03	12.42	13.33	13.26	12.96
5	10.07	9.22	9.72	---	11.53	11.78	11.82	12.73	12.52	13.73	12.38	13.10
6	10.92	9.04	9.71	---	---	15.75	12.30	12.91	12.71	13.37	12.62	12.84
7	11.38	8.99	9.45	---	---	16.61	12.20	12.95	13.93	13.09	12.25	12.80
8	11.02	8.59	9.46	---	---	17.04	12.15	12.69	13.37	13.56	13.07	11.77
9	10.79	7.87	9.72	---	---	17.50	12.01	12.42	12.86	13.56	13.39	11.87
10	10.49	8.67	10.77	---	17.74	17.08	11.90	12.33	12.27	13.27	12.90	12.20
11	10.17	8.85	---	---	16.23	15.78	11.87	12.46	9.62	13.77	12.56	12.36
12	10.07	8.79	---	9.38	14.99	13.88	11.90	12.81	12.97	13.39	11.36	12.39
13	10.95	7.86	11.55	8.83	13.42	13.02	12.19	12.74	12.88	13.52	12.43	12.91
14	10.81	7.89	---	9.77	13.36	11.95	12.24	12.43	13.07	12.70	---	13.18
15	10.20	7.80	---	10.85	12.08	11.33	12.11	12.57	13.28	12.46	12.52	12.88
16	9.89	7.55	10.84	---	12.47	10.82	11.98	12.72	13.19	13.32	13.78	15.32
17	9.42	8.23	12.01	10.65	13.00	10.63	11.96	13.61	12.83	13.20	13.65	16.15
18	9.03	9.35	12.67	---	12.95	10.58	12.36	13.39	12.61	13.51	13.33	18.78
19	9.04	8.98	---	---	12.47	11.05	12.55	12.96	12.68	13.81	12.95	19.68
20	10.19	8.73	---	---	12.70	9.27	12.58	12.62	12.84	13.29	13.27	20.05
21	9.55	8.90	---	---	12.21	8.72	12.36	12.48	13.94	12.76	12.60	18.94
22	9.41	8.80	10.98	---	12.35	10.43	12.18	12.72	13.49	12.79	13.18	18.10
23	8.48	8.22	---	---	11.42	11.39	12.17	12.80	13.10	13.47	14.70	15.82
24	8.70	9.35	---	9.05	10.84	10.45	12.24	12.96	13.57	12.95	13.94	15.45
25	8.42	9.08	---	8.74	10.47	9.83	12.46	12.69	15.79	12.97	13.80	14.65
26	8.03	9.38	---	10.73	10.80	9.82	12.48	12.32	15.98	13.15	15.08	14.61
27	8.17	9.16	---	---	10.46	9.75	12.52	12.25	15.56	13.36	14.85	14.34
28	9.12	9.88	8.57	---	9.85	9.93	12.11	12.06	15.50	13.64	14.03	14.29
29	9.34	9.43	8.92	12.43	10.76	11.17	12.03	12.18	14.74	12.99	13.60	13.64
30	8.83	9.69	8.67	---	---	11.37	12.45	12.37	14.78	12.79	13.39	13.11
31	8.65	---	9.98	---	---	13.06	---	13.03	---	13.70	13.08	---
MEAN	9.77	8.79	---	---	---	11.96	12.14	12.71	13.36	13.31	---	14.46
MAX	11.38	9.88	---	---	---	17.50	12.58	13.61	15.98	14.24	---	20.05
MIN	8.03	7.55	---	---	---	8.72	11.62	12.06	9.62	12.46	---	11.77

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 mi^2, 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 NGVD of 1929.

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.

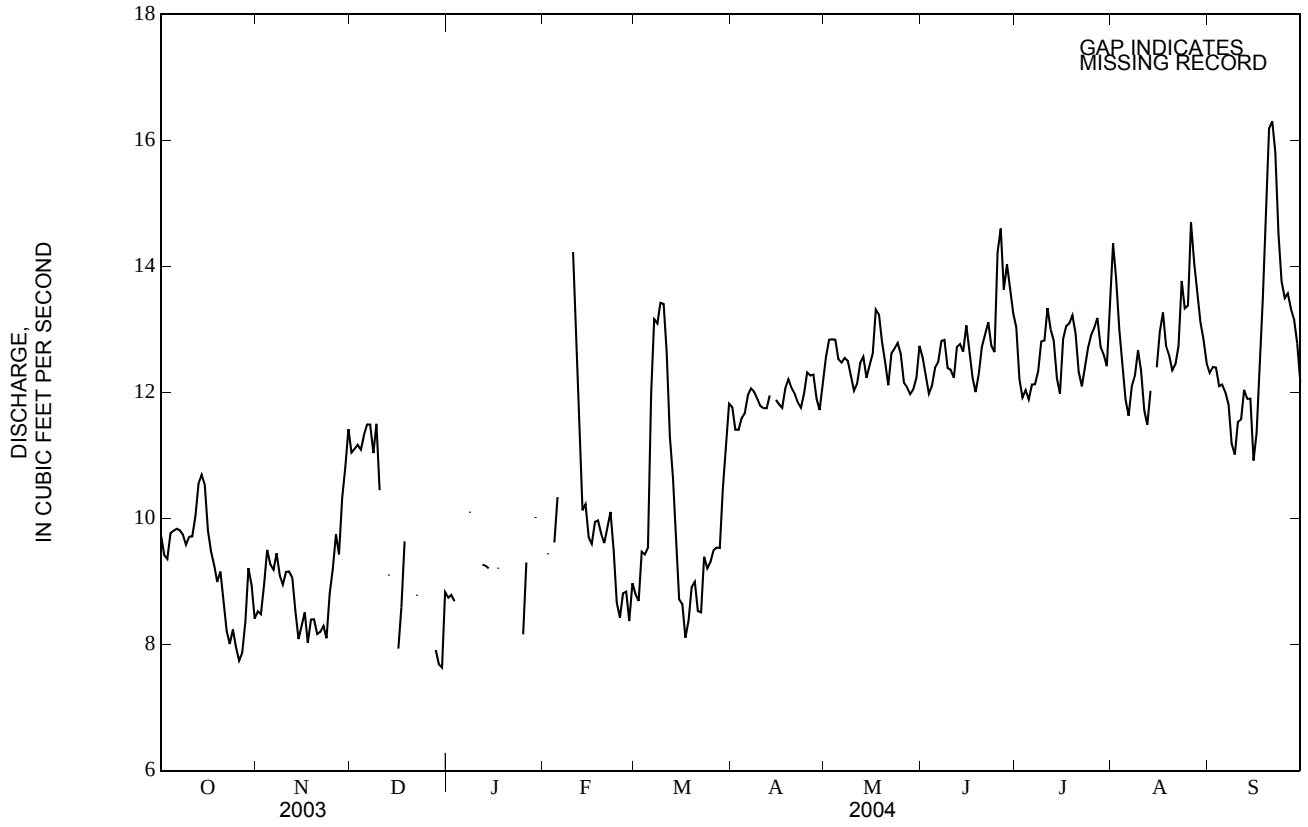
EXTREMES FOR PERIOD SINCE OCTOBER 1998.--Maximum gage height, 17.80 ft, May 11, 2003; minimum gage height, 6.75 ft, Nov. 15, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.76 ft., Feb. 8.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.73	8.53	11.05	8.75	---	8.80	11.77	12.55	12.55	13.04	14.36	12.31
2	9.42	8.48	11.11	8.79	9.44	8.69	11.41	12.84	12.26	12.21	13.81	12.41
3	9.36	8.96	11.17	8.69	---	9.47	11.41	12.84	11.98	11.92	13.00	12.40
4	9.77	9.50	11.09	---	9.62	9.43	11.59	12.84	12.11	12.04	12.42	12.10
5	9.81	9.27	11.32	---	10.34	9.54	11.67	12.53	12.40	11.89	11.88	12.13
6	9.84	9.19	11.49	---	---	11.99	11.96	12.48	12.48	12.13	11.63	12.00
7	9.81	9.45	11.49	---	---	13.16	12.06	12.55	12.82	12.13	12.09	11.81
8	9.74	9.10	11.04	10.10	---	13.10	12.01	12.50	12.83	12.34	12.26	11.19
9	9.58	8.95	11.50	---	---	13.42	11.90	12.26	12.39	12.81	12.67	11.02
10	9.71	9.15	10.45	---	14.23	13.40	11.79	12.03	12.36	12.82	12.34	11.53
11	9.72	9.16	---	---	12.70	12.64	11.75	12.14	12.23	13.34	11.72	11.57
12	10.04	9.07	---	9.27	11.65	11.30	11.75	12.47	12.72	13.00	11.49	12.04
13	10.55	8.54	9.10	9.25	10.13	10.66	11.95	12.57	12.77	12.82	12.03	11.90
14	10.69	8.09	---	9.21	10.22	9.52	---	12.23	12.65	12.23	---	11.90
15	10.54	8.30	---	---	9.70	8.72	11.88	12.43	13.07	11.98	12.40	10.92
16	9.81	8.51	7.94	---	9.60	8.64	11.81	12.62	12.64	12.85	12.96	11.36
17	9.48	8.03	8.59	9.21	9.95	8.11	11.76	13.32	12.23	13.05	13.27	12.59
18	9.26	8.40	9.64	---	9.97	8.38	12.07	13.24	12.01	13.10	12.74	13.50
19	8.99	8.40	---	---	9.76	8.91	12.21	12.80	12.30	13.22	12.59	14.96
20	9.16	8.16	---	---	9.61	9.00	12.07	12.47	12.73	12.93	12.35	16.19
21	8.73	8.20	---	---	9.87	8.53	11.98	12.12	12.92	12.33	12.45	16.30
22	8.22	8.29	8.78	---	10.11	8.51	11.84	12.62	13.12	12.10	12.74	15.81
23	8.01	8.10	---	---	9.48	9.39	11.76	12.70	12.75	12.42	13.77	14.51
24	8.24	8.81	---	---	8.67	9.21	11.99	12.79	12.64	12.71	13.33	13.76
25	7.96	9.19	---	8.16	8.43	9.31	12.32	12.61	14.22	12.91	13.38	13.50
26	7.75	9.75	---	9.30	8.81	9.50	12.27	12.16	14.60	13.03	14.70	13.57
27	7.87	9.43	---	---	8.84	9.54	12.28	12.09	13.63	13.18	14.06	13.33
28	8.37	10.33	7.91	---	8.37	9.53	11.90	11.98	14.03	12.73	13.59	13.16
29	9.21	10.80	7.69	10.02	8.97	10.47	11.72	12.05	13.64	12.61	13.12	12.78
30	8.94	11.42	7.63	---	---	11.12	12.12	12.24	13.26	12.42	12.85	12.17
31	8.41	---	8.83	---	---	11.82	---	12.74	---	13.33	12.46	---
MEAN	9.25	8.99	---	---	---	10.12	---	12.51	12.81	12.63	---	12.82
MAX	10.69	11.42	---	---	---	13.42	---	13.32	14.60	13.34	---	16.30
MIN	7.75	8.03	---	---	---	8.11	---	11.98	11.98	11.89	---	10.92

03590680 TENNESSEE RIVER AT SMITHSONIA, AL



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 mi^2, approximately.
PERIOD OF RECORD.--October 1938 to current year.
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.
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 ft^3/s-day, of which 86,900 ft^3/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 ft^3/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, 646,400 ft^3/s-day, Sept. 17; maximum elevation, 595.42 ft, July 3; minimum midnight contents, 456,700 ft^3/s-day, Mar. 24; minimum elevation, 592.94 ft, Nov. 12

MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (ft^3/s-day)	Change in contents (ft^3/s-day)	Change in contents (equivalent in cubic feet per second)
Sept. 30	594.25	494,700	--	--
Oct. 31	593.75	476,000	-18,700	-603
Nov. 30	593.73	484,300	+8,300	+277
Dec. 31	594.18	496,900	+12,600	+406
CAL YR 2003			+8,500	+23
Jan. 31	594.86	507,200	+10,300	+332
Feb. 29	593.74	467,900	-39,300	-1,360
Mar. 31	593.84	474,300	+6,400	+206
Apr. 30	594.76	500,300	+26,000	+867
May 31	594.41	495,700	-4,600	-148
June 30	594.18	492,700	-3,000	-100
July 31	594.59	517,300	+24,600	+794
Aug. 31	594.22	504,100	-13,200	-426
Sept. 30	593.45	489,100	-15,000	-500
WTR YR 2004			-5,600	-15

03586000 WHEELER LAKE NEAR DECATUR, AL

LOCATION.--Lat 34°47'52", long 87°22'51", SW $^1/_4$ 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 mi^2, approximately.
PERIOD OF RECORD.--September 1936 to current year.
GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.
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 ft^3/s-day of which 177,000 ft^3/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 ft^3/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, 603,500 ft^3/s-day, Feb. 7; maximum elevation 556.34 ft, July 5, minimum midnight contents, 387,500 ft^3/s-day, Jan. 23; minimum elevation, 550.03 ft, Jan. 11.

MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (ft^3/s-day)	Change in contents (ft^3/s-day)	Change in contents (equivalent in cubic feet per second)
Sept. 30	552.98	447,400	--	--
Oct. 31	552.33	422,700	-24,700	-797
Nov. 30	552.58	442,700	+20,000	+667
Dec. 31	550.78	397,800	-44,900	-1,450
CAL YR 2003			-44,100	-121
Jan. 31	552.42	425,900	+29,100	+939
Feb. 29	550.95	392,900	-34,000	-1,170
Mar. 31	550.58	392,000	-900	-29
Apr. 30	555.58	513,800	+121,800	+4,060
May 31	555.57	519,400	+5,600	+181
June 30	555.21	509,600	-9,800	-327
July 31	556.13	537,200	+27,600	+890
Aug. 31	555.86	529,500	-7,700	-248
Sept. 30	554.56	491,800	-37,700	-1,260
WTR YR 2004			+44,400	+121

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 mi^2, 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 NGVD of 1929.
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 ft/s-day of which 26,800 ft/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 ft^3/s-day, Apr. 29, 1963; maximum elevation, 508.38 ft, May 19, 1983; minimum contents, 233,200 ft^3/s-day, Apr. 6, 1927, elevation, 501.30 ft.
EXTREMES FOR CURRENT YEAR: Maximum contents during year, 323,700 ft^3/s-day, Sept. 18; elevation, 507.99 ft, Sept. 18; minimum 297,000 ft^3/s-day, June 26, elevation 504.66 ft, June 26.

MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (ft^3/s-day)	Change in contents (ft^3/s-day)	Change in contents (equivalent in cubic feet per second)
Sept. 30	507.36	318,500	--	--
Oct. 31	506.77	313,700	-4,800	-155
Nov. 30	507.25	317,600	+3,900	+130
Dec. 31	505.89	306,700	-10,900	-352
CAL YR 2003			+2,300	+6
Jan. 31	505.65	304,900	-1,800	-58
Feb. 29	505.61	305,600	+700	+24
Mar. 31	505.17	301,100	-4,500	-145
Apr. 30	506.97	315,300	+14,200	+473
May 31	507.13	316,600	+1,300	+42
June 30	507.29	318,000	+1,400	+47
July 31	507.55	320,200	+2,200	+71
Aug. 31	507.05	316,000	-4,200	-135
Sept. 30	507.34	318,400	+2,400	+80
WTR YR 2004			-100	0

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.

TENNESSEE RIVER BASIN

0357526200 BIG COVE CREEK AT DUG HILL ROAD NEAR HUNTSVILLE, AL

LOCATION.--Lat 34°42'17", long 86°30'44", in SW 1/4 NW 1/4 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 mi^2.
PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).
GAGE.--Water-stage recorder. Datum of gage is 641.08 ft above NGVD of 1929.
REMARKS.--No estimated discharges. Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,250 ft^3/s, May 6, 2003, gage height, 13.38 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 06	0240	1,180	10.62	Sept. 16	2055	514	8.53
Mar. 05	2355	*1,510	*11.19				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-05	1815	5.43	102	03-05	2240	5.39	100	09-16	1800	4.74	72
02-05	1845	6.10	156	03-05	2255	6.02	148	09-16	1900	5.20	91
02-05	1920	6.60	210	03-05	2300	6.50	200	09-16	1930	5.86	134
02-05	2000	7.15	275	03-05	2305	6.96	250	09-16	1945	6.26	172
02-05	2030	7.75	366	03-05	2310	7.64	348	09-16	1955	6.63	213
02-05	2100	8.30	467	03-05	2315	8.66	542	09-16	2005	7.15	275
02-05	2130	8.71	553	03-05	2320	9.51	754	09-16	2015	7.68	355
02-05	2230	9.27	689	03-05	2325	10.15	962	09-16	2025	8.10	428
02-05	2315	9.68	803	03-05	2330	10.56	1150	09-16	2035	8.34	475
02-05	2350	9.98	894	03-05	2335	10.81	1280	09-16	2045	8.49	506
02-06	0010	10.13	954	03-05	2340	11.08	1430	09-16	2050	8.51	510
02-06	0040	10.35	1050	03-05	2345	11.13	1470	09-16	2055	8.53	514
02-06	0120	10.48	1110	03-05	2350	11.17	1490	09-16	2100	8.53	514
02-06	0200	10.57	1150	03-05	2355	11.19	1510	09-16	2105	8.52	512
02-06	0230	10.59	1160	03-06	0000	11.17	1490	09-16	2110	8.51	510
02-06	0240	10.62	1180	03-06	0005	11.18	1500	09-16	2115	8.49	506
02-06	0310	10.58	1160	03-06	0010	11.13	1470	09-16	2145	8.33	473
02-06	0335	10.48	1110	03-06	0020	11.04	1410	09-16	2225	8.09	426
02-06	0355	10.34	1050	03-06	0030	10.90	1320	09-16	2300	7.89	390
02-06	0415	10.13	954	03-06	0100	10.39	1070	09-16	2330	7.69	356
02-06	0500	9.73	817	03-06	0130	9.74	820	09-17	0000	7.51	327
02-06	0600	9.13	653	03-06	0200	9.09	643	09-17	0100	7.15	275
02-06	0700	8.53	514	03-06	0230	8.63	536	09-17	0200	6.73	224
02-06	0800	8.09	426	03-06	0300	8.19	445	09-17	0300	6.41	189
02-06	0900	7.62	345	03-06	0330	7.80	375	09-17	0400	6.18	164
02-06	1000	7.23	286	03-06	0400	7.44	317	09-17	0500	5.95	142
02-06	1200	6.51	201	03-06	0430	7.16	276	09-17	0600	5.71	122
02-06	1330	6.01	147	03-06	0500	6.94	248	09-17	0800	5.32	96
02-06	1730	5.42	101	03-06	0600	6.56	206	09-17	1000	5.03	84
				03-06	0700	6.18	164	09-17	1300	4.74	72
				03-06	0900	5.70	121				
				03-06	1130	5.40	100				

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 mi^2.
PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).
GAGE.--Water-stage recorder. Datum of gage is 653.62 ft above NGVD of 1929.
REMARKS.--No estimated discharges. Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,320 ft^3/s, June 28, 1999, gage height, 9.40 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 115 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 06	0055	160	4.03	July 02	2020	308	4.75	Aug. 11	1930	124	3.82
Mar. 05	2255	*786	*6.47	July 14	1655	362	4.97	Sept. 16	1915	166	4.06
Jun. 18	1610	124	3.82	July 25	1530	541	5.69				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
03-05	2245	3.68	98	07-14	1615	3.52	73	07-25	1520	4.27	205
03-05	2250	5.87	591	07-14	1620	3.85	130	07-25	1525	5.27	432
03-05	2255	6.47	786	07-14	1625	4.02	159	07-25	1530	5.69	541
03-05	2300	6.01	633	07-14	1630	3.76	112	07-25	1535	5.36	454
03-05	2305	5.45	477	07-14	1635	3.69	100	07-25	1540	4.92	349
03-05	2310	5.27	432	07-14	1640	3.61	86	07-25	1545	4.52	255
03-05	2315	5.07	385	07-14	1645	3.58	82	07-25	1550	4.41	232
03-05	2320	4.72	301	07-14	1650	4.01	157	07-25	1555	4.19	191
03-05	2325	4.57	266	07-14	1655	4.97	362	07-25	1600	3.95	147
03-05	2330	4.42	234	07-14	1700	4.88	339	07-25	1605	3.77	114
03-05	2335	4.61	275	07-14	1705	4.34	218	07-25	1610	3.72	105
				07-14	1710	3.97	150	07-25	1615	3.60	85
				07-14	1715	3.77	114	07-25	1620	3.62	88
				07-14	1720	3.67	97	07-25	1625	3.51	71
				07-14	1725	3.65	93	07-25	1630	3.51	71
				07-14	1730	3.54	76				
				07-14	1735	3.52	73				
				07-14	1740	3.51	71				
				07-14	1745	3.50	70				

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 SW 1/4 NW 1/4 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 mi^2.
PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).
GAGE.--Water-stage recorder. Datum of gage is 606.87 ft above NGVD of 1929.
REMARKS.--No estimated discharges. Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,150 ft^3/s, June 28, 1999, gage height, 14.55 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 06	0145	741	6.83	July 25	1625	596	6.40
Mar. 06	0000	*1,560	*8.47	Sept. 16	2015	909	7.26

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-05	1715	4.20	118	03-05	2230	4.31	133	09-16	1700	4.02	93
02-05	1815	4.54	168	03-05	2250	4.88	225	09-16	1730	4.46	156
02-05	1930	4.82	214	03-05	2300	5.67	391	09-16	1800	5.28	303
02-05	2040	5.38	324	03-05	2310	6.11	510	09-16	1830	5.97	471
02-05	2145	5.81	427	03-05	2320	6.96	789	09-16	1900	6.70	695
02-05	2300	6.15	521	03-05	2330	7.82	1180	09-16	1935	6.90	767
02-05	2355	6.53	637	03-05	2335	8.10	1330	09-16	1950	7.06	828
02-06	0000	6.56	647	03-05	2340	8.31	1460	09-16	1955	7.01	808
02-06	0005	6.52	634	03-05	2345	8.34	1480	09-16	2000	7.03	816
02-06	0015	6.66	681	03-05	2350	8.44	1540	09-16	2010	7.18	876
02-06	0025	6.72	702	03-05	2355	8.44	1540	09-16	2015	7.26	909
02-06	0040	6.68	688	03-06	0000	8.47	1560	09-16	2020	7.24	901
02-06	0055	6.78	723	03-06	0005	8.32	1470	09-16	2035	7.21	888
02-06	0120	6.82	737	03-06	0010	8.29	1450	09-16	2040	7.08	836
02-06	0135	6.81	734	03-06	0015	8.19	1380	09-16	2100	6.99	801
02-06	0140	6.74	709	03-06	0020	8.05	1300	09-16	2120	6.84	744
02-06	0145	6.83	741	03-06	0030	7.82	1180	09-16	2140	6.61	664
02-06	0200	6.71	698	03-06	0045	7.43	982	09-16	2200	6.33	574
02-06	0220	6.75	712	03-06	0100	6.99	801	09-16	2230	6.07	499
02-06	0225	6.73	705	03-06	0130	6.50	628	09-16	2300	5.94	463
02-06	0230	6.77	719	03-06	0200	6.14	519	09-16	2330	5.71	401
02-06	0235	6.72	702	03-06	0230	5.77	417	09-17	0000	5.60	374
02-06	0245	6.81	734	03-06	0300	5.48	346	09-17	0100	5.36	320
02-06	0320	6.76	716	03-06	0400	5.12	272	09-17	0200	5.08	264
02-06	0340	6.64	674	03-06	0500	4.86	221	09-17	0400	4.76	203
02-06	0355	6.50	628	03-06	0600	4.72	196	09-17	0600	4.49	160
02-06	0415	6.36	583	03-06	0800	4.48	158	09-17	1000	4.10	104
02-06	0450	6.16	524	03-06	1100	4.28	129				
02-06	0545	5.77	417								
02-06	0730	5.32	311								
02-06	1015	4.83	216								
02-06	1400	4.44	153								
02-06	1900	4.17	114								

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.--14.1 mi^2.
PERIOD OF RECORD.--December 1960 to March 1964, September 1984 to current year (flood hydrograph only).
REVISED RECORDS--WDR AL-96-1 : Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 575.90 ft above NGVD of 1929. Datum of gage prior to September 1984 was 581.36 ft above NGVD of 1929.
REMARKS.--No estimated discharges. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 06	0250	1,350	7.40	Sept. 16	2030	1,540	7.73
Mar. 06	0005	*2,610	*9.27				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-05	1750	3.52	94	03-05	2245	4.07	172	09-16	1700	3.54	96
02-05	1900	4.26	206	03-05	2300	4.79	327	09-16	1735	3.92	148
02-05	2000	4.72	309	03-05	2305	5.53	536	09-16	1815	4.62	284
02-05	2100	5.49	524	03-05	2310	6.24	793	09-16	1845	5.14	423
02-05	2200	6.15	756	03-05	2315	7.02	1160	09-16	1915	5.77	615
02-05	2230	6.28	809	03-05	2320	7.69	1510	09-16	1930	6.26	801
02-05	2330	6.58	974	03-05	2325	8.22	1840	09-16	1950	6.90	1100
02-06	0000	6.90	1100	03-05	2335	8.86	2290	09-16	2005	7.38	1340
02-06	0030	7.05	1170	03-05	2345	9.11	2490	09-16	2025	7.70	1520
02-06	0100	7.14	1220	03-05	2350	9.06	2450	09-16	2030	7.73	1540
02-06	0130	7.28	1290	03-05	2355	9.16	2520	09-16	2045	7.72	1530
02-06	0150	7.21	1250	03-06	0000	9.20	2560	09-16	2105	7.60	1460
02-06	0230	7.29	1300	03-06	0005	9.27	2610	09-16	2130	7.44	1370
02-06	0240	7.37	1340	03-06	0010	9.23	2580	09-16	2200	7.21	1250
02-06	0250	7.40	1350	03-06	0015	9.16	2520	09-16	2230	6.85	1070
02-06	0310	7.38	1340	03-06	0020	9.09	2470	09-16	2300	6.50	905
02-06	0325	7.28	1290	03-06	0030	8.97	2380	09-16	2330	6.19	772
02-06	0355	7.04	1170	03-06	0045	8.68	2160	09-17	0000	5.95	680
02-06	0420	6.84	1070	03-06	0100	8.34	1920	09-17	0100	5.54	539
02-06	0450	6.61	955	03-06	0115	7.93	1660	09-17	0200	5.19	437
02-06	0515	6.38	852	03-06	0130	7.55	1430	09-17	0300	4.92	363
02-06	0545	6.13	748	03-06	0145	7.14	1220	09-17	0400	4.71	306
02-06	0700	5.66	578	03-06	0200	6.84	1070	09-17	0500	4.51	258
02-06	0800	5.42	502	03-06	0230	6.29	813	09-17	0600	4.31	216
02-06	0900	5.15	426	03-06	0300	5.90	661	09-17	0700	4.13	183
02-06	1000	4.89	355	03-06	0400	5.34	479	09-17	0900	3.82	133
02-06	1130	4.62	284	03-06	0500	4.97	378	09-17	1135	3.54	96
02-06	1400	4.27	208	03-06	0700	4.51	258				
02-06	1730	3.93	150	03-06	0900	4.22	199				
02-06	2345	3.56	99	03-06	1030	4.08	174				

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

TENNESSEE RIVER BASIN

03575830 INDIAN CREEK NEAR MADISON, AL

LOCATION.--Lat 34°41'50", long 86°42'00", in NE 1/4 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 mi^2.
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 June 2002 (daily discharge), October 2002 to current year (flood hydrograph only). 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 NGVD of 1929.
REMARKS.--No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.
EXTREMES FOR PERIOD OF RECORD.--The flood of March 16, 1973 reached a gage height of 12.70 ft, discharge, 16,500 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 06	0530	*5,380	*9.74	Mar. 06	0615	2,650	8.28

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-05	1715	6.33	824	03-05	1815	5.04	306	0714	1945	5.17	342
02-05	1815	6.60	980	03-05	1915	5.18	345	07-14	2015	5.38	408
02-05	1900	6.82	1120	03-05	2015	5.37	404	07-14	2045	5.54	464
02-05	2000	7.18	1400	03-05	2045	5.52	457	07-14	2100	5.68	518
02-05	2100	7.51	1720	03-05	2230	5.71	530	07-14	2115	5.83	581
02-05	2200	7.69	1920	03-05	2245	6.38	851	07-14	2130	5.96	641
02-05	2300	7.l91	2180	03-05	2300	6.74	1070	07-14	2145	6.08	697
02-05	2345	8.24	2600	03-05	2315	7.21	1430	07-14	2200	6.16	736
02-06	0015	8.44	2870	03-05	2330	7.33	1540	07-14	2215	6.22	766
02-06	0100	8.83	3460	03-05	2345	7.21	1430	07-14	2230	6.29	803
02-06	0130	9.12	3980	03-06	0015	7.15	1380	07-14	2245	6.32	819
02-06	0200	9.35	4470	03-06	0145	7.12	1350	07-14	2300	6.33	824
02-06	0300	9.60	5040	03-06	0230	7.27	1490	07-14	2315	6.36	840
02-06	0400	9.71	5310	03-06	0315	7.37	1580	07-14	2330	6.39	857
02-06	0500	9.71	5310	03-06	0345	7.55	1770	07-14	2345	6.52	874
02-06	0515	9.73	5360	03-06	0415	7.78	2030	07-15	0000	6.41	868
02-06	0530	9.74	5380	03-06	0445	7.96	2250	07-15	0015	6.44	885
02-06	0600	9.69	5260	03-06	0515	8.19	2540	07-15	0030	6.44	885
02-06	0615	9.66	5190	03-06	0615	8.28	2650	07-15	0115	6.43	879
02-06	0730	9.45	4690	03-06	0715	8.19	2540	07-15	0145	6.39	857
02-06	0815	9.29	4340	03-06	0800	8.05	2360	07-15	0315	6.32	819
02-06	0900	9.08	3910	03-06	0845	7.88	2150	07-15	0400	6.26	787
02-06	1000	8.83	3460	03-06	0945	7.69	1920	07-15	0500	6.19	751
02-06	1100	8.58	3080	03-06	1045	7.50	1710	07-15	0545	6.09	702
02-06	1200	8.38	2790	03-06	1145	7.35	1560	07-15	0615	5.98	650
02-06	1300	8.16	2500	03-06	1330	7.17	1390	07-15	0630	5.89	608
02-06	1500	7.83	2090	03-06	1500	7.01	1260	07-15	0645	5.79	564
02-06	1800	7.50	1710	03-06	1700	6.65	1010	07-15	0700	5.68	518
02-06	2000	7.18	1400	03-06	1800	6.42	874	07-15	0715	5.57	475
02-06	2130	6.85	1140	03-06	1900	6.07	692	07-15	0745	5.38	408
02-06	2300	6.33	824	03-06	2100	5.68	518	07-15	0830	5.14	333
				03-06	2330	5.50	449				

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 1/4 NE 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 mi^2.
PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).
GAGE.--Water-stage recorder. Datum of gage is 615.13 ft above NGVD of 1929.
REMARKS.--No estimated discharges. Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,810 ft^3/s, May 6, 2003, gage height, 10.30 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 05	2345	682	3.52	July 14	1700	582	3.40
Mar. 05	2300	*2,160	*4.98	July 25	1530	513	3.32
Apr. 25	1520	443	3.23	Sept. 16	2105	458	3.25

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-05	2110	2.72	150	03-05	2240	2.76	165	07-14	1620	2.85	205
02-05	2120	2.81	186	03-05	2245	3.14	382	07-14	1625	2.56	211
02-05	2130	3.01	305	03-05	2250	4.01	1170	07-14	1630	3.17	402
02-05	2135	2.91	239	03-05	2255	4.79	1930	07-14	1635	2.98	286
02-05	2145	3.07	339	03-05	2300	4.98	2160	07-14	1640	2.99	293
02-05	2150	3.01	305	03-05	2305	4.76	1900	07-14	1645	3.02	311
02-05	2205	3.18	408	03-05	2310	4.71	1840	07-14	1650	3.12	369
02-05	2220	3.26	466	03-05	2315	4.72	1850	07-14	1655	3.28	481
02-05	2235	3.33	521	03-05	2320	4.56	1680	07-14	1700	3.40	582
02-05	2240	3.37	555	03-05	2325	4.42	1540	07-14	1705	3.05	327
02-05	2250	3.34	529	03-05	2330	4.32	1440	07-14	1710	2.85	205
02-05	2300	3.46	632	03-05	2335	4.32	1440	07-14	1715	2.81	186
02-05	2305	3.42	600	03-05	2340	4.21	1430				
02-05	2310	3.47	640	03-05	2345	4.25	1380				
02-05	2315	3.42	600	03-05	2350	4.10	1240				
02-05	2320	3.41	591	03-05	2355	3.98	1140				
02-05	2325	3.38	564	03-06	0010	3.90	1050				
02-05	2330	3.51	673	03-06	0100	3.68	827				
02-05	2335	3.46	632	03-06	0200	3.45	624				
02-05	2340	3.51	673	03-06	0300	3.30	497				
02-05	2345	3.52	682	03-06	0400	3.21	429				
02-06	0005	3.42	600	03-06	0500	3.13	375				
02-06	0010	3.36	546	03-06	0600	3.06	333				
02-06	0020	3.45	624	03-06	0700	3.01	305				
02-06	0025	3.31	505	03-06	0800	2.97	279				
02-06	0030	3.36	546	03-06	0900	2.95	265				
02-06	0035	3.34	529	03-06	1100	2.89	228				
02-06	0040	3.40	582	03-06	1300	2.82	191				
02-06	0050	3.45	624	03-06	1700	2.76	165				
02-06	0055	3.40	582								
02-06	0115	3.52	682								
02-06	0130	3.42	600								
02-06	0155	3.30	497								
02-06	0200	3.36	546								
02-06	0300	3.25	458								
02-06	0400	3.15	388								
02-06	0500	3.03	316								
02-06	0600	2.84	200								
02-06	0710	2.74	158								

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 ROAD AT HUNTSVILLE, AL

LOCATION.--Lat 34°47'18", long 86°35'55", in SE $^1/_4$ SW $^1/_4$ 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 mi^2.
PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).
GAGE.--Water-stage recorder. Datum of gage is 688.06 ft above NGVD of 1929. Gage moved to downstream side of culvert beginning 2001 water year.
REMARKS.--No estimated discharges. Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,520 ft^3/s, Aug. 10, 2001, gage height, 6.17 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 350 ft^3/s and maximum (*).

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 05	2345	396	4.41	July 14	1650	*1,280	*5.83
Mar. 05	2250	676	4.86				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-05	2210	4.1	101	03-05	2240	4.1	101	07-14	1610	4.13	127
02-05	2215	4.21	196	03-05	2245	4.54	480	07-14	1615	4.20	188
02-05	2220	4.22	205	03-05	2250	4.86	676	07-14	1620	4.56	492
02-05	2225	4.31	283	03-05	2255	4.78	627	07-14	1625	4.65	548
02-05	2235	4.23	214	03-05	2300	4.73	597	07-14	1630	4.61	523
02-05	2245	4.16	153	03-05	2305	4.61	523	07-14	1635	4.53	474
02-05	2250	4.14	135	03-05	2310	4.60	517	07-14	1640	4.92	713
02-05	2300	4.17	162	03-05	2315	4.46	413	07-14	1645	5.55	1100
02-05	2305	4.28	257	03-05	2320	4.39	352	07-14	1650	5.83	1280
02-05	2310	4.30	274	03-05	2325	4.28	257	07-14	1655	5.66	1170
02-05	2315	4.24	222	03-05	2330	4.31	283	07-14	1700	5.48	1060
02-05	2320	4.30	274	03-05	2335	4.27	248	07-14	1705	5.21	891
02-05	2330	4.25	231	03-05	2340	4.30	274	07-14	1710	5.06	799
02-05	2335	4.27	248	03-05	2345	4.21	196	07-14	1715	4.80	639
02-05	2340	4.38	344	03-05	2350	4.22	205	07-14	1720	4.59	511
02-05	2345	4.44	396	03-05	2355	4.19	179	07-14	1725	4.37	335
02-05	2350	4.31	283	03-06	0000	4.09	92	07-14	1730	4.33	300
02-05	2355	4.35	318					07-14	1735	4.16	153
02-06	0000	4.38	344					07-14	1740	4.11	109
02-06	0010	4.31	283								
02-06	0015	4.25	231								
02-06	0020	4.20	188								
02-06	0030	4.33	300								
02-06	0035	4.29	266								
02-06	0040	4.41	370								
02-06	0050	4.38	344								
02-06	0055	4.41	370								
02-06	0110	4.26	240								
02-06	0115	4.22	205								
02-06	0125	4.32	292								
02-06	0135	4.25	231								
02-06	0140	4.41	370								
02-06	0150	4.28	257								
02-06	0155	4.31	283								
02-06	0205	4.23	214								
02-06	0230	4.18	170								
02-06	0235	4.14	135								
02-06	0240	4.12	118								
02-06	0245	4.09	92								

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 SW 1/4 NW 1/4 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 mi^2.
PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).
GAGE.--Water-stage recorder. Datum of gage is 688.02 ft above NGVD of 1929.
REMARKS.--No estimated discharges. Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 437 ft^3/s, May 6, 2003, gage height, 8.25 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 125 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 06	0130	278	7.75	July 14	1645	*400	*8.13
Mar. 05	2330	236	7.60				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-05	1800	6.94	81	03-05	2240	7.14	122	07-14	1605	6.89	72
02-05	1900	7.06	106	03-05	2245	7.44	194	07-14	1610	7.04	102
02-05	2000	7.20	135	03-05	2250	7.57	228	07-14	1615	7.20	135
02-05	2005	7.22	140	03-05	2300	7.49	207	07-14	1620	7.24	145
02-05	2020	7.30	159	03-05	2315	7.53	217	07-14	1625	7.49	207
02-05	2055	7.42	189	03-05	2320	7.56	225	07-14	1630	7.59	233
02-05	2200	7.48	205	03-05	2325	7.58	230	07-14	1635	7.81	297
02-05	2300	7.54	220	03-05	2330	7..60	236	07-14	1640	8.06	375
02-05	2330	7.60	236	03-05	2335	7.57	228	07-14	1645	8.13	400
02-05	2345	7.67	255	03-05	2340	7.58	230	07-14	1650	8.04	368
02-06	0000	7.63	244	03-05	2345	7.54	220	07-14	1655	7.88	317
02-06	0025	7.68	258	03-05	2350	7.52	215	07-14	1700	7.76	281
02-06	0030	7.71	267	03-05	2355	7.50	210	07-14	1705	7.74	275
02-06	0040	7.70	264	03-06	0000	7.47	202	07-14	1720	7.63	244
02-06	0045	7.71	267	03-06	0035	7.36	173	07-14	1725	7.66	253
02-06	0050	7.72	270	03-06	0100	7.24	145	07-14	1735	7.62	241
02-06	0100	7.68	258	03-06	0130	7.14	122	07-14	1750	7.49	207
02-06	0110	7.70	264	03-06	0200	7.04	102	07-14	1800	7.37	176
02-06	0115	7.69	261	03-06	0230	6.97	87	07-14	1815	7.21	137
02-06	0130	7.75	278					07-14	1830	7.06	106
02-06	0135	7.70	264					07-14	1845	6.98	89
02-06	0140	7.73	273					07-14	1905	6.89	72
02-06	0155	7.68	258								
02-06	0230	7.63	244								
02-06	0305	7.54	220								
02-06	0330	7.46	200								
02-06	0400	7.37	176								
02-06	0500	7.24	145								
02-06	0600	7.13	119								
02-06	0700	7.04	102								
02-06	0800	6.98	89								

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 SW 1/4 SE 1/4 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 Springs Road.
DRAINAGE AREA.--8.50 mi^2.
PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).
GAGE.--Water-stage recorder. Datum of gage is 646.06 ft above NGVD of 1929.
REMARKS.--No estimated discharges. Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,170 ft^3/s, May 6, 2003, gage height, 11.27 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 06	0100	929	7.01	July 14	1700	*2,920	*10.86
Mar. 05	2305	1,290	7.87				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-05	1640	4.49	186	03-05	2230	4.12	130	07-14	1555	4.47	182
02-05	1700	4.60	205	03-05	2235	4.61	207	07-14	1610	4.87	260
02-05	1940	5.31	360	03-05	2240	5.39	380	07-14	1615	4.62	209
02-05	2005	5.53	417	03-05	2250	5.83	505	07-14	1620	5.16	325
02-05	2020	5.76	483	03-05	2255	6.77	830	07-14	1625	6.08	585
02-05	2030	5.95	543	03-05	2300	7.53	1140	07-14	1630	6.86	866
02-05	2045	6.26	643	03-05	2305	7.87	1290	07-14	1635	7.46	1110
02-05	2225	6.37	680	03-05	2310	7.84	1270	07-14	1640	8.32	1500
02-05	2300	6.35	674	03-05	2315	7.61	1170	07-14	1645	9.17	1940
02-05	2310	6.47	716	03-05	2320	7.38	1070	07-14	1650	9.92	2380
02-05	2330	6.60	764	03-05	2325	7.13	974	07-14	1655	10.62	2780
02-05	2345	6.82	850	03-05	2330	6.94	899	07-14	1700	10.83	2920
02-05	2355	6.94	899	03-05	2340	6.73	814	07-14	1705	10.77	2860
02-06	0010	6.88	874	03-05	2350	6.59	760	07-14	1710	10.28	2580
02-06	0020	6.81	846	03-06	0005	6.30	656	07-14	1715	9.80	2310
02-06	0040	6.89	879	03-06	0015	6.12	597	07-14	1720	9.13	1920
02-06	0050	6.95	904	03-06	0025	5.95	543	07-14	1725	8.49	1580
02-06	0100	7.01	929	03-06	0040	5.77	486	07-14	1730	7.93	1320
02-06	0125	6.85	862	03-06	0100	5.55	423	07-14	1735	7.45	1100
02-06	0140	7.00	925	03-06	0115	5.37	375	07-14	1745	6.83	854
02-06	0200	6.86	866	03-06	0140	5.12	316	07-14	1750	6.60	764
02-06	0215	6.68	794	03-06	0200	4.97	283	07-14	1755	6.38	684
02-06	0235	6.51	730	03-06	0225	4.79	243	07-14	1800	6.16	610
02-06	0255	6.37	680	03-06	0245	4.68	220	07-14	1810	5.77	486
02-06	0320	6.13	600	03-06	0310	4.58	202	07-14	1820	5.52	414
02-06	0345	5.88	521	03-06	0415	4.39	169	07-14	1830	5.31	360
02-06	0420	5.58	431	03-06	0550	4.26	149	07-14	1850	5.07	305
02-06	0515	5.28	353	03-06	0745	4.17	137	07-14	1915	4.76	237
02-06	0625	4.94	276					07-14	2000	4.47	182
02-06	0900	4.60	205								
02-06	1030	4.49	186								

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 NW $^1/_4$ 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 mi^2 .
PERIOD OF RECORD.--September 1984 to current year (flood hydrograph only).
REVISED RECORDS.-- WDR AL-96-1 : Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 639.64 ft above NGVD of 1929.
REMARKS.--No estimated discharges. Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,200 ft^3/s, May 6, 2003, gage height, 9.58 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 05	2305	*736	*3.87	July 14	1655	710	3.78
Apr. 25	1555	718	3.81				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
03-05	2245	1.28	136	04-25	1520	1.65	202	07-14	1610	2.02	274
03-05	2250	3.07	518	04-25	1525	2.30	334	07-14	1615	2.72	431
03-05	2255	3.65	673	04-25	1530	2.67	419	07-14	1620	2.94	485
03-05	2300	3.51	634	04-25	1535	2.67	419	07-14	1625	2.71	428
03-05	2305	3.87	736	04-25	1540	2.82	455	07-14	1630	2.50	379
03-05	2310	3.66	676	04-25	1545	3.38	599	07-14	1635	2.37	349
03-05	2315	3.14	536	04-25	1550	3.76	704	07-14	1640	2.29	332
03-05	2320	2.97	492	04-25	1555	3.81	718	07-14	1645	2.34	343
03-05	2325	2.58	397	04-25	1600	3.56	648	07-14	1650	2.80	450
03-05	2330	2.48	374	04-25	1605	3.10	525	07-14	1655	3.78	710
03-05	2335	2.17	306	04-25	1610	2.78	445	07-14	1700	3.67	679
03-05	2340	2.11	293	04-25	1615	2.59	400	07-14	1705	3.16	541
03-05	2345	2.14	299	04-25	1620	2.36	347	07-14	1710	2.50	379
03-05	2350	2.16	303	04-25	1625	2.16	303	07-14	1715	2.18	308
03-05	2355	2.03	276	04-25	1630	2.05	280	07-14	1720	1.68	208
03-06	0000	1.79	228	04-25	1640	1.87	244	07-14	1725	1.55	184
03-06	0010	1.65	202	04-25	1700	1.72	215	07-14	1730	1.45	166
03-06	0035	1.63	198	04-25	1710	1.68	208	07-14	1735	1.30	140
03-06	0050	1.53	180	04-25	1720	1.55	184	07-14	1740	1.19	119
03-06	0115	1.31	142	04-25	1735	1.43	162	07-14	1745	1.12	103
03-06	0145	1.21	124	04-25	1800	1.34	147	07-14	1750	1.06	89
03-06	0230	1.10	98	04-25	1825	1.24	129				
				04-25	1920	1.09	96				

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 SW 1/4 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 mi^2.
PERIOD OF RECORD.--January 1967 to September 1968 (TVA), March 1971 to May 1973, October 1984 to current year.
REVISED RECORDS.--WDR AL-96-1 : Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 592.60 ft above NGVD of 1929. For periods January 1967 to September 1968 and March 1971 to May 1973, datum of gage was 577.30 ft above NGVD of 1929.
REMARKS.--No estimated discharges. Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, flood of May 6, 2003, 9,430 ft^3/s, 16.79 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 06	0120	2,440	8.33	July 14	1720	*5,190	*12.17
Mar. 05	2325	3,630	10.05	Sept. 16	1940	2,150	7.92
Apr. 25	1610	2,180	7.96				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-05	1610	4.43	253	03-05	2240	4.22	167	07-14	1620	4.34	212
02-05	1640	4.97	476	03-05	2245	4.47	274	07-14	1625	5.77	824
02-05	1735	5.45	670	03-05	2250	5.56	720	07-14	1630	7.10	1560
02-05	1900	5.64	759	03-05	2255	6.68	1310	07-14	1635	7.99	2200
02-05	2000	6.02	959	03-05	2300	7.38	1720	07-14	1640	8.55	2610
02-05	2025	6.43	1170	03-05	2305	8.44	2520	07-14	1645	8.97	2940
02-05	2040	6.76	1350	03-05	2310	9.30	3150	07-14	1650	9.40	3210
02-05	2100	7.09	1560	03-05	2315	9.76	3440	07-14	1655	9.98	3590
02-05	2130	7.41	1770	03-05	2320	9.96	3570	07-14	1700	10.58	4000
02-05	2200	7.29	1690	03-05	2325	10.05	3630	07-14	1705	11.19	4440
02-05	2235	7.51	1840	03-05	2330	10.03	3620	07-14	1710	11.68	4800
02-05	2330	7.65	2020	03-05	2335	9.96	3570	07-14	1715	12.05	5090
02-06	0000	8.01	2220	03-05	2340	9.83	3490	07-14	1720	12.17	5190
02-06	0040	8.23	2370	03-05	2345	9.60	3340	07-14	1730	11.97	5030
02-06	0115	8.32	2440	03-05	2350	9.41	3220	07-14	1735	11.65	4780
02-06	0120	8.33	2440	03-05	2355	9.26	3120	07-14	1750	10.37	3850
02-06	0125	8.32	2440	03-06	0000	8.96	2930	07-14	1800	9.42	3220
02-06	0130	8.27	2400	03-06	0010	8.53	2590	07-14	1810	8.49	2560
02-06	0155	8.17	2330	03-06	0020	7.99	2200	07-14	1820	7.78	2040
02-06	0225	7.98	2190	03-06	0030	7.67	1960	07-14	1830	7.23	1650
02-06	0250	7.72	1990	03-06	0040	7.35	1730	07-14	1840	6.85	1410
02-06	0310	7.41	1770	03-06	0050	7.08	1550	07-14	1850	6.53	1220
02-06	0330	7.08	1550	03-06	0105	6.80	1380	07-14	1905	6.14	1020
02-06	0355	6.78	1360	03-06	0120	6.48	1190	07-14	1930	5.76	819
02-06	0430	6.43	1170	03-06	0135	6.11	1000	07-14	1945	5.42	657
02-06	0515	6.04	969	03-06	0150	5.82	851	07-14	2005	4.98	480
02-06	0605	5.56	720	03-06	0205	5.56	720	07-14	2030	4.59	320
02-06	0715	5.11	530	03-06	0300	4.98	480	07-14	2055	4.35	216
02-06	0810	4.86	425	03-06	0430	4.48	279				
02-06	1100	4.41	244	03-06	0635	4.22	167				

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 NW 1/4 SW 1/4 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 mi^2.
PERIOD OF RECORD.--July 1996 to current year (flood hydrograph only).
GAGE.--Water-stage recorder. Datum of gage is 652.54 ft above NGVD of 1929.
REMARKS.--No estimated discharges. Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,950 ft^3/s, May 6, 2003, gage height, 15.06 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 350 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 06	0310	472	9.31	July 14	1700	*919	*11.19
Mar. 05	2255	833	10.81				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-06	0210	7.76	122	03-05	2240	7.24	57	07-14	1615	8.85	354
11-06	0215	7.80	130	03-05	2245	9.98	645	07-14	1620	9.21	443
11-06	0220	7.78	126	03-05	2250	10.12	675	07-14	1625	8.72	319
11-06	0225	7.94	154	03-05	2255	10.81	833	07-14	1630	8.49	261
11-06	0230	8.01	167	03-05	2300	10.39	734	07-14	1635	8.25	209
11-06	0235	8.32	223	03-05	2305	10.04	658	07-14	1640	8.36	231
11-06	0240	8.48	259	03-05	2310	9.31	472	07-14	1645	8.95	384
11-06	0245	8.90	369	03-05	2315	8.82	346	07-14	1650	10.30	714
11-06	0250	8.78	335	03-05	2320	8.44	249	07-14	1655	10.70	806
11-06	0255	8.92	375	03-05	2325	8.25	209	07-14	1700	11.19	919
11-06	0300	9.28	463	03-05	2330	8.14	189	07-14	1705	9.80	600
11-06	0305	9.24	451	03-05	2335	7.95	156	07-14	1710	9.12	424
11-06	0310	9.31	472	03-05	2340	7.91	148	07-14	1715	8.43	247
11-06	0315	9.16	432	03-05	2345	7.86	140	07-14	1720	7.86	140
11-06	0320	8.78	335	03-05	2350	7.85	138	07-14	1725	7.63	101
11-06	0325	8.39	238	03-05	2355	7.73	117	07-14	1730	7.37	71
11-06	0330	8.01	167	03-06	0000	7.50	85	07-14	1735	7.22	55
11-06	0335	7.76	122	03-06	0005	7.50	85	07-14	1740	7.05	41
11-06	0340	7.46	81	03-06	0010	7.39	74				
11-06	0345	7.27	60	03-06	0015	7.34	68				
11-06	0350	7.14	48	03-06	0025	7.26	59				
11-06	0355	7.03	39	03-06	0035	7.23	56				
				03-06	0055	7.16	49				
				03-06	0105	7.10	44				
				03-06	0115	7.00	37				

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 SW 1/4 NW 1/4 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 mi^2.
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), WDR AL-96-1 : Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 596.02 ft above NGVD of 1929.
REMARKS.--No estimated discharges. Records fair.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,460 ft^3/s, May 6, 2003, gage height, 12.72 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 05	2320	*2,010	*8.13	July 14	1720	1,850	7.88

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-05	1545	4.81	248	03-05	2240	4.64	179	07-14	1615	4.66	189
02-05	1600	5.02	344	03-05	2245	5.44	543	07-14	1620	4.72	214
02-05	1615	5.22	441	03-05	2250	6.45	1050	07-14	1625	5.32	486
02-05	1730	5.56	605	03-05	2255	6.96	1310	07-14	1630	5.75	700
02-05	1815	5.44	543	03-05	2300	7.12	1400	07-14	1635	6.00	833
02-05	1920	5.62	634	03-05	2305	7.46	1590	07-14	1640	6.39	1030
02-05	2025	6.11	886	03-05	2310	7.86	1840	07-14	1645	6.67	1160
02-05	2040	6.37	1020	03-05	2315	8.04	1950	07-14	1650	7.09	1380
02-05	2105	6.70	1180	03-05	2320	8.13	2010	07-14	1655	7.32	1510
02-05	2130	6.54	1100	03-05	2325	7.96	1900	07-14	1700	7.29	1490
02-05	2140	6.62	1140	03-05	2330	7.75	1770	07-14	1705	7.34	1520
02-05	2220	6.55	1100	03-05	2335	7.58	1660	07-14	1710	7.49	1610
02-05	2245	6.64	1150	03-05	2340	7.27	1480	07-14	1715	7.85	1830
02-05	2320	6.57	1110	03-05	2345	6.93	1290	07-14	1720	7.88	1850
02-05	2340	6.80	1230	03-05	2350	6.66	1160	07-14	1725	7.84	1820
02-05	2355	6.84	1250	03-05	2355	6.49	1070	07-14	1730	7.67	1720
02-06	0010	6.99	1330	03-06	0000	6.35	1010	07-14	1735	7.29	1490
02-06	0015	7.00	1330	03-06	0015	6.05	857	07-14	1740	6.92	1290
02-06	0035	6.86	1260	03-06	0040	5.86	760	07-14	1745	6.61	1130
02-06	0055	6.83	1240	03-06	0110	5.66	653	07-14	1750	6.35	1010
02-06	0110	6.90	1280	03-06	0155	5.35	500	07-14	1800	5.95	809
02-06	0130	6.78	1220	03-06	0255	5.07	371	07-14	1825	5.64	643
02-06	0215	6.66	1160	03-06	0355	4.87	273	07-14	1835	5.61	629
02-06	0250	6.38	1020	03-06	0620	4.64	179	07-14	1905	5.79	721
02-06	0320	6.14	901					07-14	1925	5.58	614
02-06	0350	5.95	809					07-14	1940	5.37	509
02-06	0435	5.77	710					07-14	1955	5.22	441
02-06	0530	5.55	600					07-14	2035	4.93	300
02-06	0620	5.35	500					07-14	2125	4.72	214
02-06	0720	5.17	420					07-14	2150	4.65	184
02-06	0820	5.00	334								
02-06	0920	4.90	286								
02-06	1030	4.81	248								

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 SE $^1/_4$ 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 mi^2.
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.
REVISED RECORDS.--WDR AL-99-1: 1992-98 (M).
GAGE.--Water-stage recorder. Datum of gage is 565.34 ft above NGVD of 1929. 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, 14,900 ft^3/s, May 6, 2003; gage height, 17.31 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 ft^3/s. This occurred prior to extensive channel work.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 06	0400	2,900	10.14	Apr. 25	1645	3,030	10.26
Feb. 06	0145	4,490	11.46	July 14	1745	*8,800	*14.27
Mar. 05	2355	6,490	12.87	Sept. 16	2005	6,100	12.61

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
03-05	2230	7.22	627	07-14	1650	7.61	830	09-16	1445	7.67	866
03-05	2255	7.65	854	07-14	1655	8.67	1550	09-16	1510	8.04	1100
03-05	2300	8.31	1270	07-14	1700	10.19	2950	09-16	1635	8.29	1260
03-05	2305	8.94	1780	07-14	1705	11.49	4520	09-16	1705	8.64	1520
03-05	2310	9.56	2330	07-14	1710	12.33	5680	09-16	1725	9.21	2030
03-05	2315	10.27	3040	07-14	1715	12.91	6550	09-16	1740	9.89	2650
03-05	2320	11.16	4120	07-14	1720	13.31	7180	09-16	1750	10.48	3280
03-05	2325	11.81	4940	07-14	1725	13.69	7810	09-16	1800	11.01	3930
03-05	2330	12.30	5640	07-14	1730	13.94	8230	09-16	1805	11.39	4400
03-05	2335	12.55	6010	07-14	1735	14.16	8610	09-16	1815	11.76	4880
03-05	2340	12.81	6400	07-14	1740	14.20	8680	09-16	1825	12.11	5360
03-05	2345	12.82	6410	07-14	1745	14.27	8800	09-16	1900	12.54	6000
03-05	2350	12.80	6380	07-14	1750	14.25	8770	09-16	1910	12.56	6030
03-05	2355	12.87	6490	07-14	1755	14.03	8390	09-16	1920	12.35	5710
03-06	0000	12.61	6100	07-14	1800	13.88	8130	09-16	1955	12.60	6090
03-06	0010	12.37	5740	07-14	1810	13.47	7440	09-16	2000	12.49	5920
03-06	0020	12.09	5330	07-14	1820	12.94	6590	09-16	2005	12.61	6100
03-06	0030	11.85	5000	07-14	1830	12.44	5910	09-16	2010	12.57	6040
03-06	0040	11.38	4390	07-14	1840	12.04	5260	09-16	2020	12.42	5820
03-06	0050	11.01	3930	07-14	1850	11.62	4690	09-16	2040	12.23	3700
03-06	0100	10.62	3440	07-14	1905	11.14	4090	09-16	2100	11.87	5530
03-06	0120	10.09	2850	07-14	1920	10.73	3580	09-16	2130	11.30	4290
03-06	0150	9.52	2300	07-14	1940	10.28	3050	09-16	2205	10.56	3370
03-06	0225	8.91	1750	07-14	2000	9.93	2680	09-16	2235	10.10	2860
03-06	0255	8.51	1420	07-14	2035	9.34	2140	09-16	2325	9.62	2390
03-06	0345	8.13	1150	07-14	2110	8.83	1680	09-17	0025	9.11	1940
03-06	0435	7.88	1000	07-14	2140	8.48	1400	09-17	0130	8.55	1450
03-06	0550	7.61	830	07-14	2210	8.20	1200	09-17	0350	8.04	1100
03-06	1010	7.22	627	07-14	2230	8.05	1100	09-17	0550	7.66	860
				07-14	2300	7.89	1010				
				07-14	2355	7.64	848				

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 SW $^1/_4$ NW $^1/_4$ 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 mi^2.
PERIOD OF RECORD.--September 1984 to current year (flood hydrograph only).
REVISED RECORDS.--WDR AL-99-1: 1985-98 (M), WDR AL-96-1 : Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 579.34 ft above NGVD of 1929 (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 ft^3/s, gage height, 14.21 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 06	0005	*1,680	*7.63	Sept. 16	1915	1510	7.21

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2004 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-05	1620	3.39	243	03-05	2250	3.63	306	09-16	1705	3.38	241
02-05	1635	3.77	348	03-05	2255	4.29	494	09-16	1720	3.93	400
02-05	1650	4.04	428	03-05	2300	5.20	770	09-16	1730	4.37	517
02-05	1705	4.25	483	03-05	2305	5.74	950	09-16	1735	4.69	612
02-05	1735	4.49	551	03-05	2310	6.05	1060	09-16	1745	5.02	712
02-05	1915	4.71	617	03-05	2315	6.57	1250	09-16	1755	5.42	842
02-05	1950	4.79	641	03-05	2320	6.63	1270	09-16	1810	5.80	972
02-05	2010	4.97	696	03-05	2325	6.79	1340	09-16	1825	6.42	1190
02-05	2035	5.25	787	03-05	2330	6.69	1300	09-16	1835	6.57	1250
02-05	2055	5.67	926	03-05	2335	7.07	1450	09-16	1850	6.80	1340
02-05	2125	6.17	1100	03-05	2340	7.38	1580	09-16	1855	6.69	1300
02-05	2340	6.26	1130	03-05	2345	7.43	1600	09-16	1900	7.19	1500
02-06	0020	6.54	1240	03-05	2350	7.41	1590	09-16	1905	7.16	1490
02-06	0035	6.70	1300	03-05	2355	7.38	1580	09-16	1910	7.17	1490
02-06	0050	6.74	1320	03-06	0000	7.27	1530	09-16	1915	7.21	1510
02-06	0100	6.79	1340	03-06	0005	7.63	1680	09-16	1920	7.05	1440
02-06	0115	6.43	1200	03-06	0010	7.21	1510	09-16	1925	6.67	1290
02-06	0120	6.75	1320	03-06	0015	7.24	1520	09-16	1930	7.13	1470
02-06	0140	6.68	1290	03-06	0020	7.17	1490	09-16	1935	6.72	1310
02-06	0205	6.36	1170	03-06	0025	7.46	1610	09-16	1940	6.25	1130
02-06	0215	6.61	1270	03-06	0030	6.82	1350	09-16	1945	5.95	1020
02-06	0255	6.06	1060	03-06	0035	5.43	845	09-16	1950	5.79	968
02-06	0300	6.50	1220	03-06	0040	4.31	500	09-16	1955	4.83	653
02-06	0305	5.98	1030	03-06	0045	3.47	263	09-16	2000	4.74	626
02-06	0310	6.09	1070					09-16	2005	4.65	600
02-06	0315	5.79	968					09-16	2010	3.37	238
02-06	0400	5.30	803								
02-06	0425	5.02	712								
02-06	0450	4.69	612								
02-06	0535	4.38	519								
02-06	0610	4.13	451								
02-06	0710	3.75	341								
02-06	0825	3.39	243								

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 2004

Station name and number	Location and drainage area	Period of record	Water year 2004 maximum			Period of record maximum		
			Date	Gage height (feet)	Discharge (ft^3/s)	Date	Gage height (feet)	Discharge (ft^3/s)
			MOBILE RIVER BASIN					
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.	1995-2004	09-17-04	2.75	100	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, 1953-2004	02-18-04	11.07	e278,800	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 NGVD of 1929.) Drainage area is 1.14 mi^2.	1997-2004	03-05-04	14.58	255	06-28-99	19.00	2,050

e Estimated

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 2004

Stream	Tributary to	Location	Drainage area (mi^2)	Measurement period of record (water year)	Date	Discharge (ft^3/s)
		Mobile River Basin				
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, 1987-04	11-25-03 08-19-04	42 22
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	1995-04	10-01-03	10

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02416000 TALLAPOOSA RIVER AT STURDIVANT, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, wat unf by analysis, mg/L (62855)
AUG			
05...	0830	.010	.17
05...	0840	.010	.18
05...	0855	.011	.17
05...	1000	.008	.18
05...	1105	.009	.22
05...	1125	.011	.23
05...	1230	.027	.31
05...	1300	.011	.21
05...	1325	.006	.17

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456900 FIVEMILE CREEK AT FIVEMILE ROAD NEAR HUFFMAN, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Ammonia water, fltrd, mg/L as N (00608)
DEC													
16...	1230	13.1	744	4.7	308	312	14.7	143	8.7	8.5	.5	.5	<.04

Date	Nitrite water, fltrd, mg/L as N (00613)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium adsorption ratio (00931)	Sodium, percent (00932)
DEC													
16...	<.008	E.07	E.08	.76	.009	.007	<.02	200	45.2	19.9	2.13	.1	2

Date	Potassium, water, fltrd, mg/L (00935)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Caffeine, water, fltrd, ug/L (50305)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)
DEC													
16...	.75	3.70	5.3	<.2	7.16	<.5	<2	21	<.06	<.04	<.8	E.2	E4

Date	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Antimony, water, fltrd, ug/L (01095)	Aluminum, water, fltrd, ug/L (01106)	Selenium, water, fltrd, ug/L (01145)	Uranium natural water, fltrd, ug/L (22703)	Residue total at 105 deg. C, suspended, mg/L (00530)	Residue on evap. at 180degC wat flt mg/L (70300)
DEC											
16...	<.08	2.6	.13	<.2	E.5	<.20	3	<3	.26	<10	164

ORGANIC COMPOUNDS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	Cotinine, water, fltrd, ug/L (62005)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)
DEC													
16...	<.5	<1.00	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2

Date	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Camphor water, fltrd, ug/L (62070)	Carbazole, water, fltrd, ug/L (62071)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)
DEC													
16...	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	<5	<1

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456900 FIVEMILE CREEK AT FIVEMILE ROAD NEAR HUFFMAN, AL--Continued

ORGANIC COMPOUNDS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Methyl salicy-late, water, fltrd, ug/L (62081)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)
DEC 16...	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2

Date	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)
DEC 16...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propa-chlor, water, fltrd, ug/L (04024)	Butyl-ate, water, fltrd, ug/L (04028)	Broma-cil, water, fltrd, ug/L (04029)	Sima-zine, water, fltrd, ug/L (04035)	Prome-ton, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyana-zine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Di-chlor-vos, water fltrd, ug/L (38775)	Chlor-pyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)
DEC 16...	<.025	<.004	<.5	.052	.01	<.006	<.018	<.003	<.005	<.003	<1.00	<.005	<.004

Date	Diel-drin, water, fltrd, ug/L (39381)	Metola-chlor, water, fltrd, ug/L (39415)	Mala-thion, water, fltrd, ug/L (39532)	Para-thion, water, fltrd, ug/L (39542)	Diazi-non, water, fltrd, ug/L (39572)	Atra-zine, water, fltrd, ug/L (39632)	Ala-chlor, water, fltrd, ug/L (46342)	Aceto-chlor, water, fltrd, ug/L (49260)	Meta-laxyl, water, fltrd, ug/L (50359)	D-Limo-nene, water, fltrd, ug/L (62073)	DEET, water, fltrd, ug/L (62082)	Fipro-nil, water, fltrd, ug/L (62166)	Fipro-nil sulfide water, fltrd, ug/L (62167)
DEC 16...	<.009	<.013	<.027	<.010	<.005	.015	<.005	<.006	<.5	<.5	<.5	E.007	E.007

Date	Fipro-nil sulfone water, fltrd, ug/L (62168)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Metri-buzin, water, fltrd, ug/L (82630)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)
DEC 16...	<.024	<.029	<.012	<.006	<.006	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004

Date	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)
DEC 16...	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.041	<.010	<.003

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456900 FIVEMILE CREEK AT FIVEMILE ROAD NEAR HUFFMAN, AL--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
DEC 16...	<.022	<.007	<.02	<.050	<.006

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Calcium bed sed <62.5um wet svd field, total, percent (34830)	Magnesium, bed sed <62.5um wet svd fld,tot percent (34900)	Potassium, bed sed <62.5um wet svd fld,tot percent (34940)	Sodium, bed sed <62.5um wet svd field, total, percent (34960)	Sulfur, bed sed <62.5um wet svd field, total, percent (34970)	Phosphorus, bed sed <62.5um wet svd fld,tot percent (34935)	Total carbon, sedimnt <62.5um wsv nat field percent (49267)	Total carbon, bed sed <2 mm, wsv nat field g/kg (49272)	Inorg. carbon, bed sed <62.5um wsv nat field percent (49269)	Inorg. carbon, bed sed <2 mm, wsv nat field g/kg (49270)	Organic carbon, bed sed <62.5um wsv nat field percent (49266)	Organic carbon, bed sed <2 mm, wsv nat field g/kg (49271)	Aluminum, bed sed <62.5um wet svd fld,tot percent (34790)
DEC 22...	3.6	.620	.950	.055	.07	.082	3.9	12	1.1	4.8	2.7	7.1	4.6

Date	Antimony, bed sed <62.5um wet svd fld,tot ug/g (34795)	Arsenic bed sed <62.5um wet svd field, total, ug/g (34800)	Barium, bed sed <62.5um wet svd field, total, ug/g (34805)	Beryllium, bed sed <62.5um wet svd fld,tot ug/g (34810)	Bismuth bed sed <177um wet svd field, total, ug/g (34816)	Cadmium bed sed <62.5um wet svd field, total, ug/g (34825)	Cerium, bed sed <62.5um wet svd field, total, ug/g (34835)	Chromium, bed sed <62.5um wet svd fld,tot ug/g (34840)	Cobalt, bed sed <62.5um wet svd field, total, ug/g (34845)	Copper, bed sed <62.5um wet svd field, total, ug/g (34850)	Europium, bed sed <62.5um wet svd fld,tot ug/g (34855)	Gallium bed sed <62.5um wet svd field, total, ug/g (34860)	Gold, bed sed <62.5um wet svd field, total, ug/g (34870)
DEC 22...	.9	15	250	1.9	<1	.4	74	53	18	25	1	12	<1

Date	Holmium bed sed <62.5um wet svd field, total, ug/g (34875)	Iron, bed sed <62.5um wet svd field, total, percent (34880)	Lanthanum, bed sed <62.5um wet svd fld,tot ug/g (34885)	Lead, bed sed <62.5um wet svd field, total, ug/g (34890)	Lithium bed sed <62.5um wet svd field, total, ug/g (34895)	Manganese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)	Molybdenum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Neodymium, bed sed <62.5um wet svd fld,tot ug/g (34920)	Nickel, bed sed <62.5um wet svd field, total, ug/g (34925)	Niobium bed sed <62.5um wet svd field, total, ug/g (34930)	Scandium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Selenium, bed sed <62.5um wet svd fld,tot ug/g (34950)
DEC 22...	1	3.0	32	42	29	1600	.09	.8	30	26	11	9	.6

Date	Silver, bed sed <62.5um wet svd field, total, ug/g (34955)	Strontium, bed sed <62.5um wet svd fld,tot ug/g (34965)	Tantalum, bed sed <62.5um wet svd fld,tot ug/g (34975)	Thallium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium bed sed <62.5um wet svd field, total, ug/g (34980)	Tin, bed sed <62.5um wet svd field, total, ug/g (34985)	Titanium, bed sed <62.5um wsv nat rec, percent (49274)	Vanadium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Ytterbium, bed sed <62.5um wet svd fld,tot ug/g (35015)	Yttrium bed sed <62.5um wet svd field, total, ug/g (35010)	Zinc, bed sed <62.5um wet svd field, total, ug/g (35020)	1,2,4-Trichlorobenzene bed sed <2 mm ug/kg (49438)	1,2-Dichlorobenzene bed sed <2 mm wsv nat ug/kg (49439)
DEC 22...	.2	48	<1	<1	10	2	.280	63	2	24	150	<65	<65

Date	1,2-Dimethylnaphthalene, bed sed <2 mm, (49403)	1,3-Dichlorobenzene bed sed <2 mm wsv nat (49441)	1,4-Dichlorobenzene bed sed <2 mm wsv nat (49442)	1,6-Dimethylnaphthalene, bed sed <2 mm, (49404)	1-Methyl-9H-fluorene, bed sed <2 mm, (49398)	1-Methylphenanthrene, bed sed <2 mm, (49410)	1-Methylpyrene, bed sed <2 mm, wsv nat (49388)	2,2'-Biquinoline, bed sed <2 mm, wsv nat (49391)	2,3,6-Trimethylnaphthalene, bed sed <2 mm, (49405)	2,4-Dinitrotoluene bed sed <2 mm wsv nat (49395)	2,6-Dimethylnaphthalene, bed sed <2 mm, (49406)	2,6-Dinitrotoluene bed sed <2 mm wsv nat (49396)	2-Chloronaphthalene, bed sed <2 mm, (49407)
DEC 22...	<65	<65	<65	<65	<65	E28	E40	<65	<65	<65	68	<65	<65

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456900 FIVEMILE CREEK AT FIVEMILE ROAD NEAR HUFFMAN, AL--Continued

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	2-Chloro-phenol, bed sed <2 mm, wsv nat ug/kg (49467)	2-Ethyl naphth-alene bed sed <2 mm wsv nat ug/kg (49948)	2-Fluoro-bi-phenyl, surrog, bed sed <2 mm, pct rcv (49279)	2-Methyl-anthra-cene, bed sed <2 mm, ug/kg (49435)	3,5-Di-methyl-phenol, bed sed <2 mm, wsv nat ug/kg (49421)	4-Bromo-phenyl phenyl ether, bed sed <2 mm, ug/kg (49454)	4-Chloro 3methyl phenol, bed sed <2 mm, wsv nat ug/kg (49422)	4-Chloro phenyl phenyl ether, bed sed <2 mm, ug/kg (49455)	4,5-Meth-ylene-phenan-threne, bed sed <2 mm, ug/kg (49411)	9,10-Anthra-quinone bed sed <2 mm wsv nat ug/kg (49437)	9H-Flour-ene, bed sed <2 mm, wsv nat ug/kg (49399)	Ace-naphth-ene, bed sed <2 mm, wsv nat ug/kg (49429)	Ace-naphth-ylene, bed sed <2 mm, wsv nat ug/kg (49428)
DEC 22...	<65	<65	79	E24	<65	<65	<65	<65	66	220	E30	E20	E30

Date	Acri-dine, bed sed <2 mm, wsv nat field, ug/kg (49430)	Aldrin, bed sed <2 mm, wsv nat field, ug/kg (49319)	alpha-Endo-sulfan, bed sed <2 mm, wsv nat ug/kg (49332)	alpha-HCH, bed sed <2 mm, wsv nat field, ug/kg (49338)	alpha-HCH-d6, surrog, bed sed <2 mm, wsv nat pct rcv (49275)	Anthra-cene, bed sed <2 mm, wsv nat field, ug/kg (49434)	Azo-benzene bed sed <2 mm wsv nat field, ug/kg (49443)	Benzo-[a]-anthra-cene, bed sed <2 mm, ug/kg (49436)	Benzo-[a]-pyrene, bed sed <2 mm, wsv nat ug/kg (49389)	Benzo-[b]-fluor-anthene bed sed <2 mm ug/kg (49458)	Benzo-[c]-cinno-line, bed sed <2 mm, ug/kg (49468)	Benzo-[ghi]-peryl-ene, bed sed <2 mm, ug/kg (49408)	Benzo-[k]-fluor-anthene bed sed <2 mm ug/kg (49397)
DEC 22...	E64	<1	<1	<1	87	94	<65	510	650	880	<65	540	590

Date	Benzyl n-butyl phthal-ate, bed sed <2 mm, ug/kg (49427)	beta-HCH, bed sed <2 mm, wsv nat field, ug/kg (49339)	Bis(2-chloro-ethoxy) methane bed sed <2 mm ug/kg (49401)	Bis(2-chloro-ethyl) ether, bed sed <2 mm, ug/kg (49456)	Bis(2Et hexyl) phthal-ate, bed sed <2 mm, ug/kg (49426)	C8-Alkyl-phenol, bed sed <2 mm, wsv nat ug/kg (49424)	Carba-zole, bed sed <2 mm, wsv nat field, ug/kg (49449)	Chloro-neb, bed sed <2 mm, wsv nat field, ug/kg (49322)	Chry-sene, bed sed <2 mm, wsv nat field, ug/kg (49450)	cis-Chlor-dane, bed sed <2 mm, wsv nat ug/kg (49320)	cis-Nona-chlor, bed sed <2 mm, wsv nat ug/kg (49316)	cis-Per-methrin bed sed <2 mm, wsv nat ug/kg (49349)	DCPA, bed sed <2 mm, wsv nat field, ug/kg (49324)
DEC 22...	V170	<1	<65	<65	590	<65	110	<5	830	M	<1	<5	<5

Date	Dibenzo-[a,h]-anthra-cene, bed sed <2 mm, ug/kg (49461)	Di-benzo-thio-phene, bed sed <2 mm, ug/kg (49452)	Diel-drin bed sed <2 mm, wsv nat field, ug/kg (49331)	Diethyl phthal-ate, bed sed <2 mm, wsv nat ug/kg (49383)	Di-methyl phthal-ate, bed sed <2 mm, ug/kg (49384)	Dibutyl phthal-ate, bed sed <2 mm, wsv nat ug/kg (49381)	Dioctyl phthal-ate, bed sed <2 mm, wsv nat ug/kg (49382)	Endrin, bed sed <2 mm, wsv nat field, ug/kg (49335)	Fluor-anthene bed sed <2 mm wsv nat field, ug/kg (49466)	Hepta-chlor epoxide bed sed <2 mm, wsv nat ug/kg (49342)	Hepta-chlor, bed sed <2 mm, wsv nat field, ug/kg (49341)	Hexa-chloro-benzene bed sed <2 mm, wsv nat ug/kg (49343)	Indeno-[1,2,-3-cd]-pyrene, bed sed <2 mm ug/kg (49390)
DEC 22...	150	E25	M	V10	<65	V91	<65	<2	1400	<1	<1	<1	640

Date	Isodrin bed sed <2 mm, wsv nat field, ug/kg (49344)	Iso-phorone bed sed <2 mm, wsv nat field, ug/kg (49400)	Iso-quino-line, bed sed <2 mm, wsv nat ug/kg (49394)	Lindane bed sed <2 mm, wsv nat field, ug/kg (49345)	Mirex, bed sed <2 mm, wsv nat field, ug/kg (49348)	Naphth-alene, bed sed <2 mm wsv nat ug/kg (49402)	Nitro-benzene bed sed <2 mm wsv nat field, ug/kg (49444)	Nitro-benzene -d5, surrog, bed sed <2 mm, pct rcv (49280)	N-Nitro -sodi-n -propyl amine, bed sed <2 mm, ug/kg (49431)	N-Nitro -sodi-phenyl-amine, bed sed <2 mm, ug/kg (49433)	o,p'-DDD, bed sed <2 mm, wsv nat field, ug/kg (49325)	o,p'-DDE, bed sed <2 mm, wsv nat field, ug/kg (49327)	o,p'-DDT, bed sed <2 mm, wsv nat field, ug/kg (49329)
DEC 22...	<1	<65	E26	<1	<1	E19	<65	71	<65	<65	<1	<1	<2

Date	o,p'-Methoxy chlor, bed sed <2 mm, wsv nat ug/kg (49347)	Oxy-chlor-dane, bed sed <2 mm, wsv nat ug/kg (49318)	p,p'-DDD, bed sed <2 mm, wsv nat field, ug/kg (49326)	p,p'-DDE, bed sed <2 mm, wsv nat field, ug/kg (49328)	p,p'-DDT, bed sed <2 mm, wsv nat field, ug/kg (49330)	p,p'-Methoxy chlor, bed sed <2 mm, wsv nat ug/kg (49346)	PCBs, bed sed <2 mm, wsv nat field, ug/kg (49459)	p-Cresol, bed sed <2 mm, wsv nat field, ug/kg (49451)	Penta-chloro-anisole bed sed <2 mm wsv nat ug/kg (49460)	Penta-chloro-nitro-benzene bed sed <2 mm ug/kg (49446)	Phenan-threne, bed sed <2 mm, wsv nat field, ug/kg (49409)	Phenan-thri-dine, bed sed <2 mm, wsv nat ug/kg (49393)	Phenol, bed sed <2 mm, wsv nat field, ug/kg (49413)
DEC 22...	<5	<1	<1	<1	<2	<5	<50	E33	<1	<65	560	E24	<65

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456900 FIVEMILE CREEK AT FIVEMILE ROAD NEAR HUFFMAN, AL--Continued

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Pyrene, bed sed <2 mm, wsv nat field, ug/kg (49387)	Quino-line, bed sed <2 mm, wsv nat field, ug/kg (49392)	Ter-phenyl-d14, surrog, bed sed <2 mm, pct rcv (49278)	Toxa-phene, bed sed <2 mm, wsv nat field, ug/kg (49351)	trans-Chlor-dane, bed sed <2 mm, wsv nat ug/kg (49321)	trans-Nona-chlor, bed sed <2 mm, wsv nat ug/kg (49317)	trans-Per-methrin bed sed <2 mm, wsv nat ug/kg (49350)	Uranium bed sed <62.5um wet svd field, total, ug/g (35000)
DEC								
22...	1100	<65	100	<200	1	1	<5	3.2

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456980 FIVEMILE CREEK AT LAWSON ROAD NEAR TARRANT CITY, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Ammonia water, fltrd, mg/L as N (00608)
DEC 16...	0800	9.6	750	9.1	340	346	11.2	100	8.1	8.2	.4	.3	<.04

Date	Nitrite water, fltrd, mg/L as N (00613)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium adsorption ratio (00931)	Sodium, percent (00932)
DEC 16...	<.008	E.06	E.08	1.03	.009	.007	<.02	210	47.1	22.7	2.74	.1	3

Date	Potassium, water, fltrd, mg/L (00935)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Caffeine, water, fltrd, ug/L (50305)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)
DEC 16...	.80	4.34	5.7	<.2	6.94	<.5	<2	26	<.06	<.04	<.8	E.2	E4

Date	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Antimony, water, fltrd, ug/L (01095)	Aluminum, water, fltrd, ug/L (01106)	Selenium, water, fltrd, ug/L (01145)	Uranium natural water, fltrd, ug/L (22703)	Residue total at 105 deg. C, suspended, mg/L (00530)	Residue on evap. at 180degC wat flt mg/L (70300)
DEC 16...	<.08	14.4	.12	<.2	E.6	<.20	2	<3	.30	<10	185

ORGANIC COMPOUNDS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	Cotinine, water, fltrd, ug/L (62005)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)
DEC 16...	<.5	<1.00	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2

Date	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Camphor water, fltrd, ug/L (62070)	Carbazole, water, fltrd, ug/L (62071)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)
DEC 16...	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	<5	<1

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456980 FIVEMILE CREEK AT LAWSON ROAD NEAR TARRANT CITY, AL--Continued

ORGANIC COMPOUNDS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Methyl salicy-late, water, fltrd, ug/L (62081)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)
DEC 16...	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2

Date	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)
DEC 16...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propa-chlor, water, fltrd, ug/L (04024)	Butyl-ate, water, fltrd, ug/L (04028)	Broma-cil, water, fltrd, ug/L (04029)	Sima-zine, water, fltrd, ug/L (04035)	Prome-ton, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyana-zine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Di-chlor-vos, water fltrd, ug/L (38775)	Chlor-pyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)
DEC 16...	<.025	<.004	<.5	.059	.01	<.006	<.018	<.003	<.005	<.003	<1.00	<.005	<.004

Date	Diel-drin, water, fltrd, ug/L (39381)	Metola-chlor, water, fltrd, ug/L (39415)	Mala-thion, water, fltrd, ug/L (39532)	Para-thion, water, fltrd, ug/L (39542)	Diazi-non, water, fltrd, ug/L (39572)	Atra-zine, water, fltrd, ug/L (39632)	Ala-chlor, water, fltrd, ug/L (46342)	Aceto-chlor, water, fltrd, ug/L (49260)	Meta-laxyl, water, fltrd, ug/L (50359)	D-Limo-nene, water, fltrd, ug/L (62073)	DEET, water, fltrd, ug/L (62082)	Fipro-nil, water, fltrd, ug/L (62166)	Fipro-nil sulfide water, fltrd, ug/L (62167)
DEC 16...	<.009	<.013	<.027	<.010	<.005	.012	<.005	<.006	<.5	<.5	<.5	E.003	E.005

Date	Fipro-nil sulfone water, fltrd, ug/L (62168)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Metri-buzin, water, fltrd, ug/L (82630)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)
DEC 16...	<.024	<.029	<.012	<.006	<.006	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004

Date	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)
DEC 16...	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011	E.004	<.010	<.003

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456980 FIVEMILE CREEK AT LAWSON ROAD NEAR TARRANT CITY, AL--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
DEC 16...	<.022	<.007	<.02	<.050	<.006

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Calcium bed sed <62.5um wet svd field, total, percent (34830)	Magnesium, bed sed <62.5um wet svd fld,tot percent (34900)	Potassium, bed sed <62.5um wet svd fld,tot percent (34940)	Sodium, bed sed <62.5um wet svd field, total, percent (34960)	Sulfur, bed sed <62.5um wet svd field, total, percent (34970)	Phosphorus, bed sed <62.5um wet svd fld,tot percent (34935)	Total carbon, sedimnt <62.5um wsv nat field percent (49267)	Total carbon, bed sed <2 mm, wsv nat field g/kg (49272)	Inorg. carbon, bed sed <62.5um wsv nat field percent (49269)	Inorg. carbon, bed sed <2 mm, wsv nat field g/kg (49270)	Organic carbon, bed sed <62.5um wsv nat field percent (49266)	Organic carbon, bed sed <2 mm, wsv nat field g/kg (49271)	Aluminum, bed sed <62.5um wet svd fld,tot percent (34790)
DEC 17...	1.2	.570	.750	.048	.06	.068	2.9	4.5	.42	2.6	2.5	1.9	4.3

Date	Antimony, bed sed <62.5um wet svd fld,tot ug/g (34795)	Arsenic bed sed <62.5um wet svd field, total, ug/g (34800)	Barium, bed sed <62.5um wet svd field, total, ug/g (34805)	Beryllium, bed sed <62.5um wet svd fld,tot ug/g (34810)	Bismuth bed sed <177um wet svd field, total, ug/g (34816)	Cadmium bed sed <62.5um wet svd field, total, ug/g (34825)	Cerium, bed sed <62.5um wet svd field, total, ug/g (34835)	Chromium, bed sed <62.5um wet svd fld,tot ug/g (34840)	Cobalt, bed sed <62.5um wet svd field, total, ug/g (34845)	Copper, bed sed <62.5um wet svd field, total, ug/g (34850)	Europium, bed sed <62.5um wet svd fld,tot ug/g (34855)	Gallium bed sed <62.5um wet svd field, total, ug/g (34860)	Gold, bed sed <62.5um wet svd field, total, ug/g (34870)
DEC 17...	.8	15	230	1.4	<1	.4	72	48	14	28	1	11	<1

Date	Holmium bed sed <62.5um wet svd field, total, ug/g (34875)	Iron, bed sed <62.5um wet svd field, total, percent (34880)	Lanthanum, bed sed <62.5um wet svd fld,tot ug/g (34885)	Lead, bed sed <62.5um wet svd field, total, ug/g (34890)	Lithium bed sed <62.5um wet svd field, total, ug/g (34895)	Manganese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)	Molybdenum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Neodymium, bed sed <62.5um wet svd fld,tot ug/g (34920)	Nickel, bed sed <62.5um wet svd field, total, ug/g (34925)	Niobium bed sed <62.5um wet svd field, total, ug/g (34930)	Scandium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Selenium, bed sed <62.5um wet svd fld,tot ug/g (34950)
DEC 17...	<1	2.8	32	41	28	2100	.09	.9	29	23	11	8	.7

Date	Silver, bed sed <62.5um wet svd field, total, ug/g (34955)	Strontium, bed sed <62.5um wet svd fld,tot ug/g (34965)	Tantalum, bed sed <62.5um wet svd fld,tot ug/g (34975)	Thallium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium bed sed <62.5um wet svd field, total, ug/g (34980)	Tin, bed sed <62.5um wet svd field, total, ug/g (34985)	Titanium, bed sed <62.5um wsv nat rec, percent (49274)	Vanadium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Ytterbium, bed sed <62.5um wet svd fld,tot ug/g (35015)	Yttrium bed sed <62.5um wet svd field, total, ug/g (35010)	Zinc, bed sed <62.5um wet svd field, total, ug/g (35020)	1,2,4-Trichlorobenzene bed sed <2 mm ug/kg (49438)	1,2-Dichlorobenzene bed sed <2 mm wsv nat ug/kg (49439)
DEC 17...	.2	33	<1	<1	10	3	.280	64	2	20	110	<50	<50

Date	1,2-Dimethylnaphthalene, bed sed <2 mm, ug/kg (49403)	1,3-Dichlorobenzene bed sed <2 mm wsv nat ug/kg (49441)	1,4-Dichlorobenzene bed sed <2 mm wsv nat ug/kg (49442)	1,6-Dimethylnaphthalene, bed sed <2 mm, ug/kg (49404)	1-Methyl-9H-fluorene, bed sed <2 mm, ug/kg (49398)	1-Methylphenanthrene, bed sed <2 mm, ug/kg (49410)	1-Methylpyrene, bed sed <2 mm, wsv nat ug/kg (49388)	2,2'-Biquinoline, bed sed <2 mm, wsv nat ug/kg (49391)	2,3,6-Trimethylnaphthalene, bed sed <2 mm, ug/kg (49405)	2,4-Dinitrotoluene bed sed <2 mm wsv nat ug/kg (49395)	2,6-Dimethylnaphthalene, bed sed <2 mm, ug/kg (49406)	2,6-Dinitrotoluene bed sed <2 mm wsv nat ug/kg (49396)	2-Chloronaphthalene, bed sed <2 mm, ug/kg (49407)
DEC 17...	<50	<50	<50	<50	<50	E10	E20	<50	<50	<50	E12	<50	<50

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456980 FIVEMILE CREEK AT LAWSON ROAD NEAR TARRANT CITY, AL--Continued

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	2-Chloro-phenol, bed sed <2 mm, wsv nat ug/kg (49467)	2-Ethyl naphth-alene bed sed <2 mm wsv nat ug/kg (49948)	2-Fluoro-bi-phenyl, surrog, bed sed <2 mm, pct rcv (49279)	2-Methyl-anthra-cene, bed sed <2 mm, ug/kg (49435)	3,5-Di-methyl-phenol, bed sed <2 mm, wsv nat ug/kg (49421)	4-Bromo-phenyl phenyl ether, bed sed <2 mm, ug/kg (49454)	4-Chloro 3methyl phenol, bed sed <2 mm, wsv nat ug/kg (49422)	4-Chloro phenyl phenyl ether, bed sed <2 mm, ug/kg (49455)	4,5-Meth-ylene-phenan-threne, bed sed <2 mm, ug/kg (49411)	9,10-Anthra-quinone bed sed <2 mm wsv nat ug/kg (49437)	9H-Flour-ene, bed sed <2 mm, wsv nat ug/kg (49399)	Ace-naphth-ene, bed sed <2 mm, wsv nat ug/kg (49429)	Ace-naphth-ylene, bed sed <2 mm, wsv nat ug/kg (49428)
DEC 17...	<50	<50	54	E15	<50	<50	<50	<50	E18	78	E8	<50	E13

Date	Acri-dine, bed sed <2 mm, wsv nat field, ug/kg (49430)	Aldrin, bed sed <2 mm, wsv nat field, ug/kg (49319)	alpha-Endo-sulfan, bed sed <2 mm, wsv nat ug/kg (49332)	alpha-HCH, bed sed <2 mm, wsv nat field, ug/kg (49338)	alpha-HCH-d6, surrog, bed sed <2 mm, wsv nat pct rcv (49275)	Anthra-cene, bed sed <2 mm, wsv nat field, ug/kg (49434)	Azo-benzene bed sed <2 mm wsv nat field, ug/kg (49443)	Benzo-[a]-anthra-cene, bed sed <2 mm, ug/kg (49436)	Benzo-[a]-pyrene, bed sed <2 mm, wsv nat ug/kg (49389)	Benzo-[b]-fluor-anthene bed sed <2 mm ug/kg (49458)	Benzo-[c]-cinno-line, bed sed <2 mm, ug/kg (49468)	Benzo-[ghi]-peryl-ene, bed sed <2 mm, ug/kg (49408)	Benzo-[k]-fluor-anthene bed sed <2 mm ug/kg (49397)
DEC 17...	E30	<1	<1	<1	81	E37	<50	180	210	260	<50	160	200

Date	Benzyl n-butyl phthal-ate, bed sed <2 mm, ug/kg (49427)	beta-HCH, bed sed <2 mm, wsv nat field, ug/kg (49339)	Bis(2-chloro-ethoxy) methane bed sed <2 mm ug/kg (49401)	Bis(2-chloro-ethyl) ether, bed sed <2 mm, ug/kg (49456)	Bis(2Et hexyl) phthal-ate, bed sed <2 mm, ug/kg (49426)	C8-Alkyl-phenol, bed sed <2 mm, wsv nat ug/kg (49424)	Carba-zole, bed sed <2 mm, wsv nat field, ug/kg (49449)	Chloro-neb, bed sed <2 mm, wsv nat field, ug/kg (49322)	Chry-sene, bed sed <2 mm, wsv nat field, ug/kg (49450)	cis-Chlor-dane, bed sed <2 mm, wsv nat ug/kg (49320)	cis-Nona-chlor, bed sed <2 mm, wsv nat ug/kg (49316)	cis-Per-methrin bed sed <2 mm, wsv nat ug/kg (49349)	DCPA, bed sed <2 mm, wsv nat field, ug/kg (49324)
DEC 17...	V120	<1	<50	<50	V110	<50	E32	<5	250	<1	<1	<5	<5

Date	Dibenzo-[a,h]-anthra-cene, bed sed <2 mm, ug/kg (49461)	Di-benzo-thio-phene, bed sed <2 mm, ug/kg (49452)	Diel-drin bed sed <2 mm, wsv nat field, ug/kg (49331)	Diethyl phthal-ate, bed sed <2 mm, wsv nat ug/kg (49383)	Di-methyl phthal-ate, bed sed <2 mm, ug/kg (49384)	Dibutyl phthal-ate, bed sed <2 mm, wsv nat ug/kg (49381)	Dioctyl phthal-ate, bed sed <2 mm, wsv nat ug/kg (49382)	Endrin, bed sed <2 mm, wsv nat field, ug/kg (49335)	Fluor-anthene bed sed <2 mm wsv nat field, ug/kg (49466)	Hepta-chlor epoxide bed sed <2 mm, wsv nat ug/kg (49342)	Hepta-chlor, bed sed <2 mm, wsv nat field, ug/kg (49341)	Hexa-chloro-benzene bed sed <2 mm, wsv nat ug/kg (49343)	Indeno-[1,2,-3-cd]-pyrene, bed sed <2 mm ug/kg (49390)
DEC 17...	66	<50	<1	V8	<50	V70	<50	<2	470	<1	<1	<1	200

Date	Isodrin bed sed <2 mm, wsv nat field, ug/kg (49344)	Iso-phorone bed sed <2 mm, wsv nat field, ug/kg (49400)	Iso-quino-line, bed sed <2 mm, wsv nat ug/kg (49394)	Lindane bed sed <2 mm, wsv nat field, ug/kg (49345)	Mirex, bed sed <2 mm, wsv nat field, ug/kg (49348)	Naphth-alene, bed sed <2 mm wsv nat ug/kg (49402)	Nitro-benzene bed sed <2 mm wsv nat field, ug/kg (49444)	Nitro-benzene -d5, surrog, bed sed <2 mm, pct rcv (49280)	N-Nitro -sodi-n -propyl amine, bed sed <2 mm, ug/kg (49431)	N-Nitro -sodi-phenyl-amine, bed sed <2 mm, ug/kg (49433)	o,p'-DDD, bed sed <2 mm, wsv nat field, ug/kg (49325)	o,p'-DDE, bed sed <2 mm, wsv nat field, ug/kg (49327)	o,p'-DDT, bed sed <2 mm, wsv nat field, ug/kg (49329)
DEC 17...	<1	<50	<50	<1	<1	<50	<50	53	<50	<50	<1	<1	<2

Date	o,p'-Methoxy chlor, bed sed <2 mm, wsv nat ug/kg (49347)	Oxy-chlor-dane, bed sed <2 mm, wsv nat ug/kg (49318)	p,p'-DDD, bed sed <2 mm, wsv nat field, ug/kg (49326)	p,p'-DDE, bed sed <2 mm, wsv nat field, ug/kg (49328)	p,p'-DDT, bed sed <2 mm, wsv nat field, ug/kg (49330)	p,p'-Methoxy chlor, bed sed <2 mm, wsv nat ug/kg (49346)	PCBs, bed sed <2 mm, wsv nat field, ug/kg (49459)	p-Cresol, bed sed <2 mm, wsv nat field, ug/kg (49451)	Penta-chloro-anisole bed sed <2 mm wsv nat ug/kg (49460)	Penta-chloro-nitro-benzene bed sed <2 mm ug/kg (49446)	Phenan-threne, bed sed <2 mm, wsv nat field, ug/kg (49409)	Phenan-thri-dine, bed sed <2 mm, wsv nat ug/kg (49393)	Phenol, bed sed <2 mm, wsv nat field, ug/kg (49413)
DEC 17...	<5	<1	<1	<1	<2	<5	<50	E23	<1	<50	180	E17	<50

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456980 FIVEMILE CREEK AT LAWSON ROAD NEAR TARRANT CITY, AL--Continued

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Pyrene, bed sed <2 mm, wsv nat field, ug/kg (49387)	Quino-line, bed sed <2 mm, wsv nat field, ug/kg (49392)	Ter-phenyl-d14, surrog, bed sed <2 mm, pct rcv (49278)	Toxa-phene, bed sed <2 mm, wsv nat field, ug/kg (49351)	trans-Chlor-dane, bed sed <2 mm, wsv nat ug/kg (49321)	trans-Nona-chlor, bed sed <2 mm, wsv nat ug/kg (49317)	trans-Per-methrin bed sed <2 mm, wsv nat ug/kg (49350)	Uranium bed sed <62.5um wet svd field, total, ug/g (35000)
DEC								
17...	340	<50	81	<200	<1	<1	<5	3.4

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456999 FIVEMILE CREEK AT TARRANT PARK NEAR TARRANT, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Hardness, water, mg/L as CaCO3 (00900)
JUL													
28...	1400	23.1	752	.00	330	322	9.5	113	8.0	8.2	480	520	180
SEP													
01...	0830	20.6	754	5.8	278	334	8.4	95	7.8	8.3	--	--	190

Date	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium adsorption ratio (00931)	Sodium, percent (00932)	Potassium, water, fltrd, mg/L (00935)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)
JUL													
28...	10	41.6	18.1	2.30	.1	3	1.27	3.50	8.2	<.2	7.38	<2	33
SEP													
01...	13	42.2	21.4	2.67	.1	3	.78	3.77	5.7	<.2	7.12	<2	30

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Antimony, water, fltrd, ug/L (01095)	Aluminum, water, fltrd, ug/L (01106)	Selenium, water, fltrd, ug/L (01145)
JUL													
28...	<.06	<.04	<.8	.8	E5	<.08	6.0	1.77	<.2	1.4	E.10	6	<3
SEP													
01...	<.06	<.04	<.8	.5	E5	<.08	3.9	.84	<.2	<.6	<.20	6	E2

Date	Uranium natural water, fltrd, ug/L (22703)	Residue total at 105 deg. C, suspended, mg/L (00530)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/d (70302)	Residue water, fltrd, tons/ acre-ft (70303)
JUL						
28...	.34	<10	185	183	--	.25
SEP						
01...	.32	<10	180	192	2.82	.25

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)
JUL													
28...	<.025	<.004	.028	.02	E.010	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013
SEP													
01...	<.025	<.004	.017	.01	E.009	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02456999 FIVEMILE CREEK AT TARRANT PARK NEAR TARRANT, AL--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Fipronil, water, fltrd, ug/L (62166)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Desulfinyl fipronil amide, wat flt ug/L (62169)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)
JUL													
28...	<.027	<.010	<.005	.044	<.005	<.006	E.009	E.004	E.006	E.004	E.004	<.006	<.006
SEP													
01...	<.027	<.010	<.005	.018	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.006	<.006

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
JUL													
28...	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020
SEP													
01...	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020

Date	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
JUL													
28...	<.02	<.004	<.02	<.002	<.011	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006
SEP													
01...	<.02	<.004	<.02	<.002	<.011	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006

MOBILE RIVER BASIN

ANALYSES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02457500 FIVEMILE CREEK AT TARRANT CITY, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Pheophytin a, phytoplankton, ug/L (62360)
OCT													
28...	1000	13.5	744	10	359	343	10.9	107	8.2	8.2	100	70	.4
DEC													
15...	1330	11.0	758	11	334	337	13.4	122	8.4	8.3	--	--	.5

Date	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)
OCT													
28...	.2	<.04	<.008	E.07	<.10	.89	.008	.005	<.02	190	42.3	20.7	2.78
DEC													
15...	.4	<.04	<.008	E.07	E.05	.81	.009	.005	<.02	190	44.0	20.0	2.66

Date	Sodium adsorption ratio (00931)	Sodium, percent (00932)	Potassium, water, fltrd, mg/L (00935)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Caffeine, water, fltrd, ug/L (50305)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)
OCT													
28...	.1	3	.95	4.18	6.5	<.2	6.50	E.1	<2	30	<.06	<.04	E.5
DEC													
15...	.1	3	.99	3.97	9.0	<.2	6.50	E.1	<2	26	<.06	<.04	<.8

Date	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Antimony, water, fltrd, ug/L (01095)	Aluminum, water, fltrd, ug/L (01106)	Selenium, water, fltrd, ug/L (01145)	Uranium natural water, fltrd, ug/L (22703)	Residue total at 105 deg. C, suspended, mg/L (00530)	Residue on evap. at 180degC wat flt mg/L (70300)
OCT													
28...	E.3	<6	<.08	7.2	.49	<.2	3.5	<.20	2	<3	.38	<10	206
DEC													
15...	.4	9	<.08	10.7	.20	<.2	1.9	<.20	2	<3	.32	<10	179

ORGANIC COMPOUNDS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	Cotinine, water, fltrd, ug/L (62005)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)
OCT													
28...	<.5	<1.00	<.5	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2
DEC													
15...	<.5	<1.00	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2

MOBILE RIVER BASIN

ANALYSES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02457500 FIVEMILE CREEK AT TARRANT CITY, AL--Continued

ORGANIC COMPOUNDS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Camphor water, fltrd, ug/L (62070)	Carbazole, water, fltrd, ug/L (62071)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)
OCT 28...	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	<5	M
DEC 15...	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	<.5	<5	<1

Date	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Methyl salicylate, water, fltrd, ug/L (62081)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)
OCT 28...	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2
DEC 15...	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2

Date	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)
OCT 28...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5
DEC 15...	<.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Bromacil, water, fltrd, ug/L (04029)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Dichlorvos, water fltrd, ug/L (38775)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)
OCT 28...	<.025	<.004	<.5	.012	.01	<.006	<.018	<.003	<.005	<.003	<1.00	<.005	<.004
DEC 15...	<.025	<.004	<.5	.067	.01	<.006	<.018	<.003	<.005	<.003	<1.00	<.005	<.004

Date	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Metalaxyl, water, fltrd, ug/L (50359)	D-Limonene, water, fltrd, ug/L (62073)	DEET, water, fltrd, ug/L (62082)	Fipronil, water, fltrd, ug/L (62166)	Fipronil sulfide water, fltrd, ug/L (62167)
OCT 28...	<.009	<.013	<.027	<.010	<.005	.012	<.005	<.006	<.5	<.5	E.2	<.016	E.004
DEC 15...	<.009	<.013	<.027	<.010	E.004	.013	<.005	<.006	<.5	<.5	<.5	<.016	E.004

MOBILE RIVER BASIN

ANALYSES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02457500 FIVEMILE CREEK AT TARRANT CITY, AL--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Fipronil sulfone water, fltrd, ug/L (62168)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)
OCT													
28...	E.005	<.029	<.012	<.006	<.006	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004
DEC													
15...	<.024	<.029	<.012	<.006	<.006	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004

Date	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)
OCT													
28...	E.01	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.041	<.010	<.003
DEC													
15...	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011	E.006	<.010	<.003

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
OCT					
28...	<.022	<.007	<.02	<.050	<.006
DEC					
15...	<.022	<.007	<.02	<.050	<.006

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Calcium bed sed <62.5um wet svd field, total, percent (34830)	Magnesium, bed sed <62.5um wet svd fld,tot percent (34900)	Potassium, bed sed <62.5um wet svd fld,tot percent (34940)	Sodium, bed sed <62.5um wet svd field, total, percent (34960)	Sulfur, bed sed <62.5um wet svd field, total, percent (34970)	Phosphorus, bed sed <62.5um wet svd fld,tot percent (34935)	Total carbon, sedimnt <62.5um wsv nat field percent (49267)	Total carbon, bed sed <2 mm, wsv nat field g/kg (49272)	Inorg. carbon, bed sed <62.5um wsv nat field percent (49269)	Inorg. carbon, bed sed <2 mm, wsv nat field g/kg (49270)	Organic carbon, bed sed <62.5um wsv nat field percent (49266)	Organic carbon, bed sed <2 mm, wsv nat field g/kg (49271)	Aluminum, bed sed <62.5um wet svd fld,tot percent (34790)
DEC													
17...	5.5	2.1	.800	.056	.10	.064	5.0	57	2.3	21	2.7	36	4.2

Date	Antimony, bed sed <62.5um wet svd fld,tot ug/g (34795)	Arsenic bed sed <62.5um wet svd field, total, ug/g (34800)	Barium, bed sed <62.5um wet svd field, total, ug/g (34805)	Beryllium, bed sed <62.5um wet svd fld,tot ug/g (34810)	Bismuth bed sed <177um wet svd field, total, ug/g (34816)	Cadmium bed sed <62.5um wet svd field, total, ug/g (34825)	Cerium, bed sed <62.5um wet svd field, total, ug/g (34835)	Chromium, bed sed <62.5um wet svd fld,tot ug/g (34840)	Cobalt, bed sed <62.5um wet svd field, total, ug/g (34845)	Copper, bed sed <62.5um wet svd field, total, ug/g (34850)	Europium, bed sed <62.5um wet svd fld,tot ug/g (34855)	Gallium bed sed <62.5um wet svd field, total, ug/g (34860)	Gold, bed sed <62.5um wet svd field, total, ug/g (34870)
DEC													
17...	3.3	14	200	1.5	<1	2.4	63	56	12	40	1	10	<1

MOBILE RIVER BASIN

ANALYSES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02457500 FIVEMILE CREEK AT TARRANT CITY, AL--Continued

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Holmium bed sed <62.5um wet svd field, total, ug/g (34875)	Iron, bed sed <62.5um wet svd field, total, percent (34880)	Lantha-num, bed sed <62.5um wet svd fld,tot ug/g (34885)	Lead, bed sed <62.5um wet svd field, total, ug/g (34890)	Lithium bed sed <62.5um wet svd field, total, ug/g (34895)	Mangan-ese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)	Molyb-denum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Neodym-ium, bed sed <62.5um wet svd fld,tot ug/g (34920)	Nickel, bed sed <62.5um wet svd field, total, ug/g (34925)	Niobium bed sed <62.5um wet svd field, total, ug/g (34930)	Scand-ium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Selen-ium, bed sed <62.5um wet svd fld,tot ug/g (34950)
DEC 17...	<1	2.6	28	200	28	1300	.15	1.6	24	24	11	8	.9

Date	Silver, bed sed <62.5um wet svd field, total, ug/g (34955)	Stront-ium, bed sed <62.5um wet svd fld,tot ug/g (34965)	Tant-alum, bed sed <62.5um wet svd fld,tot ug/g (34975)	Thall-ium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium bed sed <62.5um wet svd field, total, ug/g (34980)	Tin, bed sed <62.5um wet svd field, total, ug/g (34985)	Titan-ium, bed sed <62.5um wsv nat rec, percent (49274)	Vanad-ium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Ytterb-ium, bed sed <62.5um wet svd fld,tot ug/g (35015)	Yttrium bed sed <62.5um wet svd field, total, ug/g (35010)	Zinc, bed sed <62.5um wet svd field, total, ug/g (35020)	1,2,4-Tri-chloro-benzene bed sed <2 mm ug/kg (49438)	1,2-Di-chloro-benzene bed sed <2 mm wsv nat ug/kg (49439)
DEC 17...	.3	53	<1	<1	9	20	.270	56	2	18	1000	<100	<100

Date	1,2-Di-methyl-naphth-alene, bed sed <2 mm, ug/kg (49403)	1,3-Di-chloro-benzene bed sed <2 mm wsv nat ug/kg (49441)	1,4-Di-chloro-benzene bed sed <2 mm wsv nat ug/kg (49442)	1,6-Di-methyl-naphth-alene, bed sed <2 mm, ug/kg (49404)	1-Methyl-9H-fluor-ene, bed sed <2 mm, ug/kg (49398)	1-Methyl-phenan-threne, bed sed <2 mm, ug/kg (49410)	1-Methyl-pyrene, bed sed <2 mm, wsv nat ug/kg (49388)	2,2'-Bi quino-line, bed sed <2 mm, wsv nat ug/kg (49391)	2,3,6-Tri-methyl-naphth-alene, bed sed <2 mm, ug/kg (49405)	2,4-Di-nitro-toluene bed sed <2 mm wsv nat ug/kg (49395)	2,6-Di-methyl-naphth-alene, bed sed <2 mm, ug/kg (49406)	2,6-Di-nitro-toluene bed sed <2 mm wsv nat ug/kg (49396)	2-Chloro-naphth-alene, bed sed <2 mm, ug/kg (49407)
DEC 17...	E40	<100	<100	E91	100	540	630	E99	E53	<100	180	<100	<100

Date	2-Chloro-phenol, bed sed <2 mm, wsv nat ug/kg (49467)	2-Ethyl naphth-alene bed sed <2 mm wsv nat ug/kg (49948)	2-Fluoro-bi-phenyl, surrog, bed sed <2 mm, pct rcv (49279)	2-Methyl-anthra-cene, bed sed <2 mm, ug/kg (49435)	3,5-Di-methyl-phenol, bed sed <2 mm, wsv nat ug/kg (49421)	4-Bromo-phenyl phenyl ether, bed sed <2 mm, ug/kg (49454)	4-Chloro 3methyl phenol, bed sed <2 mm, wsv nat ug/kg (49422)	4-Chloro phenyl phenyl ether, bed sed <2 mm, ug/kg (49455)	4,5-Meth-ylene-phenan-threne, bed sed <2 mm, ug/kg (49411)	9,10-Anthra-quinone bed sed <2 mm wsv nat ug/kg (49437)	9H-Flour-ene, bed sed <2 mm, wsv nat ug/kg (49399)	Ace-naphth-ene, bed sed <2 mm, wsv nat ug/kg (49429)	Ace-naphth-ylene, bed sed <2 mm, wsv nat ug/kg (49428)
DEC 17...	<100	120	84	380	<100	<100	<100	<100	710	350	370	480	E80

Date	Acri-dine, bed sed <2 mm, wsv nat field, ug/kg (49430)	Aldrin, bed sed <2 mm, wsv nat field, ug/kg (49319)	alpha-Endo-sulfan, bed sed <2 mm, wsv nat ug/kg (49332)	alpha-HCH, bed sed <2 mm, wsv nat field, ug/kg (49338)	alpha-HCH-d6, surrog, bed sed <2 mm, wsv nat pct rcv (49275)	Anthra-cene, bed sed <2 mm, wsv nat field, ug/kg (49434)	Azo-benzene bed sed <2 mm wsv nat field, ug/kg (49443)	Benzo-[a]-anthra-cene, bed sed <2 mm, ug/kg (49436)	Benzo-[a]-pyrene, bed sed <2 mm, wsv nat ug/kg (49389)	Benzo-[b]-fluor-anthene bed sed <2 mm ug/kg (49458)	Benzo-[c]-cinno-line, bed sed <2 mm, ug/kg (49468)	Benzo-[ghi]-peryl-ene, bed sed <2 mm, ug/kg (49408)	Benzo-[k]-fluor-anthene bed sed <2 mm ug/kg (49397)
DEC 17...	E71	<1	<1	<1	75	1500	<100	2800	2700	2100	<100	1700	1600

Date	Benzyl n-butyl phthal-ate, bed sed <2 mm, ug/kg (49427)	beta-HCH, bed sed <2 mm, wsv nat field, ug/kg (49339)	Bis(2-chloro-ethoxy) methane bed sed <2 mm ug/kg (49401)	Bis(2-chloro-ethyl) ether, bed sed <2 mm, ug/kg (49456)	Bis(2Et hexyl) phthal-ate, bed sed <2 mm, ug/kg (49426)	C8-Alkyl-phenol, bed sed <2 mm, wsv nat ug/kg (49424)	Carba-zole, bed sed <2 mm, wsv nat field, ug/kg (49449)	Chloro-neb, bed sed <2 mm, wsv nat field, ug/kg (49322)	Chry-sene, bed sed <2 mm, wsv nat field, ug/kg (49450)	cis-Chlor-dane, bed sed <2 mm, wsv nat ug/kg (49320)	cis-Nona-chlor, bed sed <2 mm, wsv nat ug/kg (49316)	cis-Per-methrin bed sed <2 mm, wsv nat ug/kg (49349)	DCPA, bed sed <2 mm, wsv nat field, ug/kg (49324)
DEC 17...	V280	<1	<100	<100	740	<100	120	<5	2600	1	<1	<5	<5

MOBILE RIVER BASIN

ANALYSES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02457500 FIVEMILE CREEK AT TARRANT CITY, AL--Continued

BOTTOM MATERIAL ANALYSIS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Dibenzo-[a,h]-anthracene, bed sed <2 mm, ug/kg (49461)	Dibenzothiophene, bed sed <2 mm, ug/kg (49452)	Dieldrin bed sed <2 mm, wsv nat field, ug/kg (49331)	Diethyl phthalate, bed sed <2 mm, wsv nat ug/kg (49383)	Dimethyl phthalate, bed sed <2 mm, ug/kg (49384)	Dibutyl phthalate, bed sed <2 mm, wsv nat ug/kg (49381)	Dioctyl phthalate, bed sed <2 mm, wsv nat ug/kg (49382)	Endrin, bed sed <2 mm, wsv nat field, ug/kg (49335)	Fluoranthene bed sed <2 mm wsv nat field, ug/kg (49466)	Heptachlor epoxide bed sed <2 mm, wsv nat ug/kg (49342)	Heptachlor, bed sed <2 mm, wsv nat field, ug/kg (49341)	Hexachlorobenzene bed sed <2 mm, wsv nat ug/kg (49343)	Indeno-[1,2,-3-cd]-pyrene, bed sed <2mm ug/kg (49390)
DEC 17...	430	330	1	V17	<100	V140	E64	<2	5000	<1	<1	<1	1700

Date	Isodrin bed sed <2 mm, wsv nat field, ug/kg (49344)	Isophorone bed sed <2 mm, wsv nat field, ug/kg (49400)	Isoquinoline, bed sed <2 mm, wsv nat ug/kg (49394)	Lindane bed sed <2 mm, wsv nat field, ug/kg (49345)	Mirex, bed sed <2 mm, wsv nat field, ug/kg (49348)	Naphthalene, bed sed <2 mm wsv nat ug/kg (49402)	Nitrobenzene bed sed <2 mm wsv nat field, ug/kg (49444)	Nitrobenzene-d5, surrog, bed sed <2 mm, pct rcv (49280)	N-Nitro-sodi-n-propylamine, bed sed <2 mm, ug/kg (49431)	N-Nitro-sodiphenylamine, bed sed <2 mm, ug/kg (49433)	o,p'-DDD, bed sed <2 mm, wsv nat field, ug/kg (49325)	o,p'-DDE, bed sed <2 mm, wsv nat field, ug/kg (49327)	o,p'-DDT, bed sed <2 mm, wsv nat field, ug/kg (49329)
DEC 17...	<1	<100	E47	<1	<1	140	<100	54	<100	<100	<1	<1	<2

Date	o,p'-Methoxychlor, bed sed <2 mm, wsv nat ug/kg (49347)	Oxychlordane, bed sed <2 mm, wsv nat ug/kg (49318)	p,p'-DDD, bed sed <2 mm, wsv nat field, ug/kg (49326)	p,p'-DDE, bed sed <2 mm, wsv nat field, ug/kg (49328)	p,p'-DDT, bed sed <2 mm, wsv nat field, ug/kg (49330)	p,p'-Methoxychlor, bed sed <2 mm, wsv nat ug/kg (49346)	PCBs, bed sed <2 mm, wsv nat field, ug/kg (49459)	p-Cresol, bed sed <2 mm, wsv nat field, ug/kg (49451)	Pentachloroanisole bed sed <2 mm wsv nat ug/kg (49460)	Pentachloronitrobenzene bed sed <2 mm ug/kg (49446)	Phenanthrene, bed sed <2 mm, wsv nat field, ug/kg (49409)	Phenanthridine, bed sed <2 mm, wsv nat ug/kg (49393)	Phenol, bed sed <2 mm, wsv nat field, ug/kg (49413)
DEC 17...	<5	<1	<1	M	<2	<5	E80	E45	<1	<100	5200	E37	<100

Date	Pyrene, bed sed <2 mm, wsv nat field, ug/kg (49387)	Quinoline, bed sed <2 mm, wsv nat field, ug/kg (49392)	Terphenyl-d14, surrog, bed sed <2 mm, pct rcv (49278)	Toxaphene, bed sed <2 mm, wsv nat field, ug/kg (49351)	trans-Chlordane, bed sed <2 mm, wsv nat ug/kg (49321)	trans-Nonachlor, bed sed <2 mm, wsv nat ug/kg (49317)	trans-Permethrin bed sed <2 mm, wsv nat ug/kg (49350)	Uranium bed sed <62.5um wet svd field, total, ug/g (35000)
DEC 17...	7000	<100	99	<200	1	1	<5	3.0

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02457502 FIVEMILE CREEK BELOW SPRINGDALE ROAD NEAR TARRANT, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Total nitrogen, water, unfltrd mg/L (00600)
JUN													
23...	1300	23.0	750	23	282	294	--	--	8.1	8.0	--	2200	1.2
JUL													
28...	1115	23.2	752	21	355	364	9.4	112	8.0	8.2	500	300	--
AUG													
31...	1545	24.8	756	12	298	355	10.8	131	8.1	8.4	--	--	--

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)
JUN													
23...	<.04	E.004	E.06	.24	.96	.051	.016	<.02	160	23	36.9	15.9	2.39
JUL													
28...	--	--	--	--	--	--	--	--	200	35	45.9	20.8	2.75
AUG													
31...	--	--	--	--	--	--	--	--	200	34	40.5	23.4	3.08

Date	Sodium adsorption ratio (00931)	Sodium, percent (00932)	Potassium, water, fltrd, mg/L (00935)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Caffeine, water, fltrd, ug/L (50305)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)
JUN													
23...	.1	3	1.89	3.57	18.4	<.2	6.65	E.2	<2	30	<.06	<.04	<.8
JUL													
28...	.1	3	1.51	4.29	30.5	<.2	7.59	--	<2	36	<.06	<.04	<.8
AUG													
31...	.1	3	1.14	4.78	20.4	<.2	7.70	--	E1	33	<.06	<.04	<.8

Date	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Antimony, water, fltrd, ug/L (01095)	Aluminum, water, fltrd, ug/L (01106)	Selenium, water, fltrd, ug/L (01145)	Uranium natural water, fltrd, ug/L (22703)	Residue total at 105 deg. C, suspended, mg/L (00530)	Residue on evap. at 180degC wat flt mg/L (70300)
JUN													
23...	1.2	E6	<.08	5.4	.84	<.2	1.1	.21	9	<3	.56	13	172
JUL													
28...	1.1	E4	<.08	8.4	2.70	<.2	1.7	E.15	6	<3	.99	<10	219
AUG													
31...	.8	E5	<.08	6.5	1.35	<.2	.6	<.20	7	4	.81	<10	194

Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/d (70302)	Residue water, fltrd, tons/ acre-ft (70303)
JUN			
23...	171	10.7	.23
JUL			
28...	213	12.6	.30
AUG			
31...	199	6.28	.26

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02457502 FIVEMILE CREEK BELOW SPRINGDALE ROAD NEAR TARRANT, AL--Continued

ORGANIC COMPOUNDS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	Cotinine, water, fltrd, ug/L (62005)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)
JUN 23...	E.1	<1.00	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2

Date	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Camphor water, fltrd, ug/L (62070)	Carbazole, water, fltrd, ug/L (62071)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)
JUN 23...	E.1	<.5	<.5	<.5	<.5	<.5	<2	<2	M	M	<.5	<5	<1

Date	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Methyl salicylate, water, fltrd, ug/L (62081)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)
JUN 23...	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<1	<2

Date	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)
JUN 23...	<.5	<.5	M	<.5	<.5	E.1	<1	<.5	E.1	E.2	E.2	E.1

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Bromacil, water, fltrd, ug/L (04029)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Dichlorvos, water fltrd, ug/L (38775)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)
JUN 23...	--	--	<.5	--	<.5	--	--	--	--	--	<1.00	<.5	--
JUL 28...	<.025	<.004	--	.026	.02	E.012	<.018	<.003	<.005	<.003	--	<.005	<.004
AUG 31...	<.025	<.004	--	.018	.01	E.009	<.018	<.003	<.005	<.003	--	<.005	<.004

Date	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Metalaxyl, water, fltrd, ug/L (50359)	D-Limonene, water, fltrd, ug/L (62073)	DEET, water, fltrd, ug/L (62082)	Fipronil, water, fltrd, ug/L (62166)	Fipronil sulfide water, fltrd, ug/L (62167)
JUN 23...	--	<.5	--	--	<.5	--	--	--	<.5	M	E.1	--	--
JUL 28...	<.009	<.013	<.027	<.010	<.005	.043	<.005	<.006	--	--	--	<.016	<.013
AUG 31...	<.009	<.013	<.027	<.010	<.005	.020	<.005	<.006	--	--	--	<.016	<.013

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02457502 FIVEMILE CREEK BELOW SPRINGDALE ROAD NEAR TARRANT, AL--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Fipro-nil sulfone water, fltrd, ug/L (62168)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Metri-buzin, water, fltrd, ug/L (82630)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)
JUL													
28...	E.006	E.004	E.005	<.006	<.006	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004
AUG													
31...	<.024	<.029	<.012	<.006	<.006	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004

Date	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)
JUL													
28...	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.041	<.010	<.003
AUG													
31...	<.02	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.041	<.010	<.003

Date	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)
JUL					
28...	<.022	<.007	<.02	<.050	<.006
AUG					
31...	<.022	<.007	<.02	<.050	<.006

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02457510 FIVEMILE CREEK AT LEWISBURG, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Total nitrogen, water, unfltrd mg/L (00600)
JUN													
23...	1400	25.2	753	42	359	362	7.3	90	7.9	7.8	--	2000	2.8
JUL													
28...	0815	23.3	752	44	517	501	7.1	85	7.1	8.0	1000	2000	--
AUG													
31...	1315	25.8	756	20	439	524	10.3	128	8.1	8.1	--	--	--

Date	Total nitrogen, water, fltrd, mg/L (00602)	Organic nitrogen, water, unfltrd mg/L (00605)	Organic nitrogen, water, fltrd, mg/L (00607)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)	Nitrate water, fltrd, mg/L as N (00618)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ammonia water, fltrd, mg/L (71846)	Nitrate water, fltrd, mg/L (71851)	Nitrite water, fltrd, mg/L (71856)	Orthophosphate, water, fltrd, mg/L (00660)
JUN													
23...	2.4	.68	.28	.26	.125	1.73	.53	.93	1.86	.33	7.67	.411	.267

Date	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium adsorption ratio (00931)	Sodium, percent (00932)	Potassium, water, fltrd, mg/L (00935)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
JUN													
23...	.184	.120	.09	140	38	36.9	10.8	24.2	.9	27	4.37	14.1	61.8
JUL													
28...	--	--	--	190	61	50.3	16.0	31.6	1	26	5.26	16.2	96.1
AUG													
31...	--	--	--	190	68	50.1	16.9	36.7	1	28	7.45	30.8	101

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Caffeine, water, fltrd, ug/L (50305)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)
JUN													
23...	.6	8.19	E.2	3	59	<.06	E.02	1.2	1.7	25	<.08	26.6	.97
JUL													
28...	.7	9.03	--	3	60	<.06	E.03	1.2	2.1	28	<.08	34.6	2.81
AUG													
31...	1.0	9.68	--	4	112	<.06	E.03	2.1	1.7	17	E.04	22.9	1.78

Date	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Antimony, water, fltrd, ug/L (01095)	Aluminum, water, fltrd, ug/L (01106)	Selenium, water, fltrd, ug/L (01145)	Uranium natural water, fltrd, ug/L (22703)	Residue total at 105 deg. C, suspended, mg/L (00530)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/d (70302)	Residue water, fltrd, tons/ acre-ft (70303)
JUN											
23...	<.2	2.3	.38	16	3	.42	16	244	229	27.5	.33
JUL											
28...	<.2	1.9	.35	14	4	.98	<10	334	303	39.2	.45
AUG											
31...	<.2	1.4	.31	38	8	.74	<10	349	330	18.9	.47

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02457510 FIVEMILE CREEK AT LEWISBURG, AL--Continued

ORGANIC COMPOUNDS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	Cotinine, water, fltrd, ug/L (62005)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)
JUN 23...	E.1	<1.00	<.5	<.5	<.5	<2	<1	<5	<1	<1	E1	<1	<2

Date	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Camphor water, fltrd, ug/L (62070)	Carbazole, water, fltrd, ug/L (62071)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)
JUN 23...	E.1	<.5	<.5	E.1	<.5	<.5	<2	<2	M	M	E.1	E5	M

Date	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Methyl salicylate, water, fltrd, ug/L (62081)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)
JUN 23...	<1	E.1	<.5	<.5	<.5	<.5	<.5	E.1	<.5	<.5	E.1	<1	<2

Date	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)
JUN 23...	E.1	E.2	E.1	<.5	<.5	<.5	<1	<.5	E.1	E.3	E.2	E.1

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Bromacil, water, fltrd, ug/L (04029)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Dichlorvos, water fltrd, ug/L (38775)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)
JUN 23...	--	--	1.0	--	<.5	--	--	--	--	--	<1.00	<.5	--
JUL 28...	<.025	<.004	--	.021	.02	E.007	<.018	<.003	<.005	<.003	--	<.005	<.004
AUG 31...	<.025	<.004	--	.012	.01	E.007	<.018	<.003	<.005	<.003	--	<.005	<.004

Date	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Metalaxyl, water, fltrd, ug/L (50359)	D-Limonene, water, fltrd, ug/L (62073)	DEET, water, fltrd, ug/L (62082)	Fipronil, water, fltrd, ug/L (62166)	Fipronil sulfide water, fltrd, ug/L (62167)
JUN 23...	--	<.5	--	--	<.5	--	--	--	<.5	E.1	E.1	--	--
JUL 28...	<.009	<.013	<.027	<.010	<.005	.038	<.005	<.006	--	--	--	<.016	<.013
AUG 31...	<.009	<.013	<.027	<.010	<.005	.017	<.005	<.006	--	--	--	<.016	<.013

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02457510 FIVEMILE CREEK AT LEWISBURG, AL--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Fipronil sulfone water, fltrd, ug/L (62168)	Desulfinyl fipronil amide, wat flt ug/L (62169)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)
JUL													
28...	<.024	<.029	<.012	<.006	<.006	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004
AUG													
31...	<.024	<.029	<.012	<.006	<.006	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004

Date	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)
JUN													
23...	--	--	--	--	--	--	--	--	--	--	M	--	--
JUL													
28...	.08	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.041	<.010	<.003
AUG													
31...	.04	<.003	<.005	<.010	<.020	<.02	<.004	<.02	<.002	<.011	<.041	<.010	<.003

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
JUL					
28...	<.022	<.007	<.02	<.050	<.006
AUG					
31...	<.022	<.007	<.02	<.050	<.006

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 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	E coli, m-TEC MF, water, col/ 100 mL (31633)
NOV											
19...	1420	18.0	--	3.8	E.7	24	7.7	81	5.0	430	420
FEB											
18...	0800	9.5	4.0	3.4	E.0	26	10.8	94	5.1	33	60
JUL											
06...	1530	23.5	--	3.4	--	24	7.8	94	4.9	110	--
SEP											
27...	1600	23.0	--	1.7	E.4	27	7.0	80	5.1	380	610

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 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	E coli, m-TEC MF, water, col/ 100 mL (31633)
NOV											
19...	1450	17.5	--	10	E1.4	27	8.3	88	5.6	600	870
FEB											
18...	0830	11.0	6.5	10	E.9	28	11.1	101	5.8	220	270
JUL											
07...	1100	21.5	--	13	E2.2	26	8.7	100	5.4	210	290
SEP											
27...	1710	22.5	--	7.0	E.8	30	7.6	86	5.7	160	340

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 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	pH, water, unfltrd field, std units (00400)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	E coli, m-TEC MF, water, col/ 100 mL (31633)
NOV													
19...	1545	17.5	--	16	E2.7	26	28	8.6	90	.6	5.8	E670	790
FEB													
18...	1000	10.5	--	15	E1.6	27	28	11.7	104	.6	6.1	270	330
JUL													
07...	0900	21.5	--	23	E3.2	26	26	7.9	91	.5	5.7	260	270
SEP													
28...	1630	22.5	761	12	E1.2	28	--	8.0	93	--	6.0	140	--

Date	Total nitrogen, water, unfltrd mg/L (00600)	Total nitrogen, water, fltrd, mg/L (00602)	Organic nitrogen, water, unfltrd mg/L (00605)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite water, unfltrd mg/L as N (00615)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ammonia water unfltrd mg/L (71845)	Ammonia water, fltrd, mg/L (71846)
NOV													
19...	--	--	--	.02	<.01	<.010	<.01	<.20	<.20	.460	.46	--	.03
FEB													
18...	--	--	--	.03	.03	<.010	<.01	<.20	<.20	.570	.56	.04	.04
JUL													
07...	.68	--	.29	.02	.01	<.010	<.01	<.20	.30	.380	.38	.01	.03
SEP													
28...	.64	.70	--	<.04	--	<.008	--	.26	.20	--	.44	--	--

Date	Total nitrogen, water, unfltrd mg/L as NO3 (71887)	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, unfltrd mg/L (00680)	Organic carbon, water, fltrd, mg/L (00681)	Orthophosphate, water, unfltrd mg/L as P (70507)	Residue total at 105 deg. C, suspended, mg/L (00530)
NOV								
19...	--	.011	.005	<.001	3.5	3.4	A.001	5
FEB								
18...	--	<.002	<.002	A.002	2.3	2.4	A.003	2
JUL								
07...	3.0	.007	.002	A.001	7.6	7.5	A.003	6
SEP								
28...	--	.011	<.004	<.006	4.8	3.6	--	<10

PASCAGOULA RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02480009 J.B. CONVERSE RESERVOIR NEAR SPILLWAY NEAR SEMMES, AL

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Location in X-sect. looking upstrm, % from rt bank (00002)	Sampling depth, feet (00003)	Temperature, water, deg C (00010)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	E coli, m-TEC MF, water, col/ 100 mL (31633)
NOV										
20...	1101	80.0	1.00	20.0	1.0	27	7.9	87	--	--
20...	1102	80.0	5.00	20.0	1.2	27	7.9	86	--	--
20...	1108	80.0	10.0	19.5	1.2	27	7.7	84	--	--
20...	1111	50.0	1.00	20.0	2.1	27	7.9	87	--	--
20...	1112	50.0	5.00	20.0	1.2	27	7.8	86	--	--
20...	1113	50.0	10.0	19.5	1.2	27	7.8	85	--	--
20...	1114	50.0	15.0	19.5	1.2	27	7.7	84	--	--
20...	1115	50.0	20.0	19.5	1.5	27	7.6	83	--	--
20...	1116	50.0	25.0	19.5	1.3	27	7.6	83	--	--
20...	1117	50.0	30.0	19.5	1.3	27	7.6	83	--	--
20...	1120	25.0	1.00	20.0	1.1	27	8.0	91	--	--
20...	1121	25.0	5.00	20.0	1.0	27	7.9	87	--	--
20...	1122	25.0	10.0	19.5	1.2	27	7.9	86	--	--
20...	1123	25.0	15.0	19.5	1.2	27	7.8	85	--	--
20...	1124	25.0	20.0	19.5	1.2	27	7.7	84	--	--
20...	1125	25.0	25.0	19.5	1.1	27	7.7	83	E11	E4
20...	1126	25.0	30.0	19.5	1.2	27	7.7	83	--	--
20...	1127	25.0	35.0	19.5	1.2	27	7.7	84	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
APALACHICOLA RIVER BASIN									
02342500 UCHEE CREEK NEAR FORT MITCHELL, AL									
OCT 2003					MAY 2004				
01...	1545	44	22.0	58	10...	1150	82	24.5	58
JAN 2004					JUN				
22...	1437	190	7.5	54	29...	1405	156	28.5	46
MAR					AUG				
08...	1547	305	17.0	55	16...	1540	30	27.5	46
02342933 SOUTH FORK COWIKEE CREEK NEAR BATESVILLE, AL									
OCT 2003					MAY 2004				
02...	0831	17	15.0	53	10...	1430	30	26.0	88
DEC					JUN				
08...	1243	41	7.0	102	30...	0950	11	25.5	95
JAN 2004					AUG				
23...	0730	43	3.0	108	17...	0732	4.0	--	76
MAR									
09...	0834	88	9.5	106					
CHOCTAWHATCHEE RIVER BASIN									
02361000 CHOCTAWHATCHEE RIVER NEAR NEWTON, AL									
OCT 2003					JAN 2004				
02...	1250	426	19.5	76	23...	1202	501	6.5	70
DEC					MAR				
09...	0745	568	8.5	69	09...	1322	814	14.5	64
02361500 CHOCTAWHATCHEE RIVER NEAR BELLWOOD, AL									
OCT 2003					JUL 2004				
02...	1420	882	19.5	--	01...	0711	2410	25.0	64
FEB 2004									
02...	1116	1740	9.5	60					
02362240 LITTLE DOUBLE BRIDGES CREEK NEAR ENTERPRISE, AL									
OCT 2003					MAY 2004				
02...	1650	14	18.0	48	11...	0752	13	21.0	43
DEC					JUN				
08...	1628	19	8.5	44	30...	1520	34	24.0	42
MAR 2004					AUG				
10...	0755	24	11.5	42	17...	1620	12	24.5	49
02363000 PEA RIVER NEAR ARITON, AL									
OCT 2003					MAY 2004				
02...	1040	255	18.0	70	10...	1634	153	24.0	73
DEC					JUN				
08...	1445	390	8.5	64	30...	1145	234	25.0	67
JAN 2004					AUG				
23...	0950	353	6.0	68	17...	0940	97	24.0	72
MAR									
09...	1052	570	14.5	62					
BLACKWATER RIVER BASIN									
02369800 BLACKWATER RIVER NEAR BRADLEY, AL									
OCT 2003					MAY 2004				
03...	1404	65	17.0	30	11...	1455	55	21.0	30
DEC					JUL				
09...	1347	77	12.5	32	07...	1145	87	23.5	36
FEB 2004					AUG				
02...	1540	123	11.0	42	18...	1130	48	21.5	28
MAR									
10...	1310	102	14.0	35					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

ESCAMBIA RIVER BASIN

02371500 CONECUH RIVER AT BRANTLEY, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
06...	0750	265	19.0	94	23...	0747	176	19.5	96
DEC					JUL				
11...	0910	864	11.0	75	08...	1245	388	25.5	78
FEB 2004					26...	0845	84	27.0	145
04...	0910	568	9.0	74	AUG				
MAR					19...	1458	110	26.0	143
11...	1414	554	14.0	75					

02372250 PATSALIGA CREEK NEAR BRANTLEY, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
06...	0930	214	18.5	108	12...	1145	146	22.5	104
DEC					JUL				
11...	1056	1030	10.5	82	26...	0958	84	27.5	140
FEB 2004					AUG				
04...	1055	494	9.0	81	19...	1345	103	25.0	136
MAR									
12...	0805	442	12.5	85					

02374250 CONECUH RIVER AT STATE HIGHWAY 41 NEAR BREWTON, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
MAY 2004				
20...	1358	2290	25.5	72

02374500 MURDER CREEK NEAR EVERGREEN AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
MAY 2004					AUG 2004				
20...	0940	199	21.5	46	19...	0707	67	21.5	48
JUL									
26...	1145	77	25.5	52					

02374700 MURDER CREEK AT STATE HIGHWAY 41 AT BREWTON, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
DEC 2003					MAY 2004				
10...	0736	1280	13.0	47	11...	1635	305	24.0	59
FEB 2004					JUL				
03...	0745	555	10.5	--	07...	1310	417	27.5	78
MAR					AUG				
10...	1447	627	15.5	77	18...	1331	204	25.5	85

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

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
DEC 2003					MAY 2004				
09...	1525	172	10.5	60	12...	0710	85	21.0	62
FEB 2004					AUG				
03...	1000	262	10.0	65	18...	1515	57	26.0	60

02374950 BIG ESCAMBIA CREEK AT SARDINE BRIDGE NEAR STANLEY CROSSROAD

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
09...	1242	245	19.0	40	06...	1013	245	17.5	26
DEC					JUN				
03...	0914	196	11.0	28	28...	1140	328	23.0	26
MAR 2004					AUG				
15...	1240	232	17.0	24	24...	1115	200	24.0	38

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
PERDIDO RIVER BASIN									
02376115 ELEVENMILE CREEK NEAR PENSACOLA, FL									
OCT 2003					MAR 2004				
08...	1450	68	19.5	994	16...	0835	113	19.5	871
DEC					MAY				
03...	1510	88	18.0	1250	06...	1445	58	19.5	1080
JAN 2004					AUG				
21...	0918	71	12.5	1070	24...	1640	73	25.0	878
02376500 PERDIDO RIVER AT BARRINEAU PARK, FL									
OCT 2003					MAY 2004				
09...	0950	462	20.5	24	06...	1250	460	19.0	22
DEC					AUG				
03...	1123	634	11.5	23	24...	1350	556	24.0	26
MAR 2004									
15...	1530	383	18.0	24					
02377570 STYX RIVER NEAR ELSANOR, AL.									
OCT 2003					MAY 2004				
08...	1250	154	21.0	29	07...	0916	212	19.0	32
DEC					AUG				
03...	1342	278	12.5	24	26...	0946	204	24.0	32
MAR 2004									
16...	1236	307	18.5	27					
FISH RIVER BASIN									
02378300 MAGNOLIA RIVER AT US 98 NEAR FOLEY, AL									
OCT 2003					MAY 2004				
08...	1022	20	19.0	74	14...	0851	29	21.5	51
NOV					JUN				
26...	0946	31	15.0	65	29...	1545	40	23.0	57
JAN 2004					AUG				
21...	1520	37	11.5	60	26...	1254	28	23.5	32
MAR									
16...	1538	25	18.0	60					
02378500 FISH RIVER NEAR SILVER HILL, AL									
OCT 2003					MAY 2004				
17...	1542	73	19.0	45	13...	1620	54	21.0	30
NOV					JUN				
26...	1115	81	14.5	43	24...	1644	96	23.0	47
JAN 2004					AUG				
21...	1625	113	10.0	45	26...	1422	96	26.0	40
MAR									
17...	0851	111	17.0	39					
MOBILE RIVER BASIN									
02398300 CHATTOOGA RIVER ABOVE GAYLESVILLE, AL									
OCT 2003					MAY 2004				
02...	1440	219	16.0	414	04...	1020	475	15.0	320
NOV					JUN				
19...	1315	1270	16.0	380	29...	1325	301	22.0	425
JAN 2004					AUG				
08...	1030	846	7.0	244	24...	1325	190	24.5	433
MAR									
18...	1035	588	13.5	290					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MOBILE RIVER BASIN--Continued

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

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					JUN 2004				
02...	0840	9.0	15.0	32	29...	0840	14	21.0	32
MAR 2004					AUG				
18...	0830	65	11.0	25	24...	1710	6.0	26.0	32
MAY									
06...	1800	55	18.0	28					

02399200 LITTLE RIVER NEAR BLUE POND, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					JUN 2004				
02...	1120	50	17.0	38	29...	1040	263	22.0	35
MAR 2004					AUG				
17...	1445	329	14.0	32	24...	1520	47	27.0	42
MAY									
07...	0830	225	18.0	33					

02400100 TERRAPIN CREEK AT ELLISVILLE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					JUN 2004				
02...	1635	141	17.5	134	29...	1530	260	23.0	130
JAN 2004					AUG				
08...	0835	287	6.5	119	24...	1120	115	24.0	178
MAY									
04...	1255	459	16.0	94					

02400680 BIG WILLS CREEK AT STATE HIGHWAY 35 NEAR FORT PAYNE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
01...	1800	26	17.0	308	04...	0750	85	14.5	285
NOV					JUN				
19...	0740	79	16.0	206	28...	1735	62	21.0	269
JAN 2004					AUG				
08...	1530	97	8.0	272	24...	1845	18	22.5	304
MAR									
17...	1730	71	15.5	257					

02401000 BIG WILLS CREEK NEAR REECE CITY, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
01...	1600	95	16.5	404	07...	1030	205	17.5	330
NOV					AUG				
18...	1340	81	14.5	465	25...	0840	89	23.0	338
JAN 2004									
20...	1330	164	7.0	327					

02401390 BIG CANOE CREEK AT ASHVILLE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
01...	1310	32	18.0	244	11...	1150	69	21.0	220
NOV					JUL				
18...	1030	25	14.5	268	01...	1445	575	22.0	167
JAN 2004					AUG				
20...	1135	77	5.5	226	25...	1020	43	24.0	194
MAR									
22...	1115	118	14.5	192					

02403310 CHOCCOLOCCO CREEK NEAR BOILING SPRING, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
07...	1445	86	19.0	119	05...	0815	278	16.0	84
NOV					JUN				
21...	0755	213	12.5	66	22...	1805	96	27.5	118
JAN 2004					AUG				
07...	1545	185	7.5	88	20...	0855	62	23.0	138
MAR									
22...	1400	175	15.0	109					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MOBILE RIVER BASIN--Continued

02404400 CHOCCOLOCCO CREEK AT JACKSON SHOAL NEAR LINCOLN, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					JUN 2004				
03...	0840	273	17.0	253	22...	1615	327	27.0	193
NOV					AUG				
21...	1150	469	15.0	149	20...	1035	226	24.0	218
MAR 2004									
24...	0805	458	14.0	185					

02405500 KELLY CREEK NEAR VINCENT, AL

OCT 2003					MAR 2004				
03...	1300	14	15.0	118	24...	1025	126	12.5	68
NOV					MAY				
21...	1520	43	14.0	100	11...	1345	89	23.0	66
JAN 2004					AUG				
09...	1000	306	6.0	66	20...	1255	14	24.5	112

02406500 TALLADEGA CREEK AT ALPINE AL

OCT 2003					MAY 2004				
03...	1040	108	16.0	230	05...	1135	231	16.5	140
NOV					JUN				
25...	1200	146	12.0	168	28...	1325	123	21.5	185
JAN 2004					AUG				
07...	0930	209	9.5	83	19...	1125	80	21.5	238
MAR									
16...	1205	211	16.0	167					

02408540 HATCHET CREEK BELOW ROCKFORD, AL

OCT 2003					MAY 2004				
09...	1020	165	19.0	42	12...	1320	139	24.0	45
NOV					JUN				
24...	1050	178	13.0	38	30...	1350	120	26.0	45
JAN 2004					AUG				
16...	1130	240	7.0	39	23...	1545	122	26.5	42
MAR									
24...	1315	241	15.0	38					

02412000 TALLAPOOSA RIVER NEAR HEFLIN, AL

OCT 2003					MAR 2004				
07...	1030	192	17.5	42	23...	1400	421	13.0	40
NOV					MAY				
20...	1505	2130	15.0	35	06...	1445	422	18.5	44
JAN 2004					AUG				
07...	1230	531	7.5	37	18...	1115	160	23.0	40

02413300 LITTLE TALLAPOOSA RIVER NEAR NEWELL, AL

OCT 2003					MAY 2004				
06...	1500	163	19.0	60	06...	1250	406	18.5	53
JAN 2004					JUN				
06...	1155	667	10.5	51	23...	1005	279	25.0	56
MAR					AUG				
23...	0915	363	12.0	53	18...	0805	146	22.0	51

02414500 TALLAPOOSA RIVER AT WADLEY, AL

DEC 2003					JUL 2004				
08...	0835	178	10.5	52	30...	1100	184	24.0	41

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MOBILE RIVER BASIN--Continued

02415000 HILLABEE CREEK NEAR HACKNEYVILLE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
06...	1105	93	18.0	35	12...	1100	122	21.5	38
NOV					JUN				
24...	1315	155	13.0	33	24...	1140	94	24.0	37
JAN 2004					AUG				
16...	1340	177	8.0	34	16...	1235	61	23.0	48
MAR									
15...	1320	230	15.5	31					

02418230 SOUGAHATCHEE CREEK NEAR LOACHAPOKA, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
01...	1115	28	16.5	303	29...	1210	31	18.5	249
JAN 2004					JUN				
22...	1020	56	5.5	225	29...	1032	25	24.0	386
MAR					AUG				
08...	1105	77	13.5	144	16...	1120	26	23.0	318

02418760 CHEWACLA CREEK AT CHEWACLA STATE PARK NEAR AUBURN, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
01...	1337	7.0	22.5	180	23...	1025	10	20.5	175
DEC					JUN				
01...	1050	24	12.0	170	29...	1210	3.0	28.0	132
JAN 2004					AUG				
22...	1210	36	9.0	--	16...	1330	10	25.5	180
MAR									
08...	1343	40	17.0	100					

02419000 UPHAPEE CREEK NEAR TUSKEGEE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
01...	0938	63	17.5	114	23...	1230	79	22.5	107
DEC					JUN				
01...	1205	216	9.5	76	29...	0912	123	24.0	100
JAN 2004					AUG				
22...	0853	199	5.0	92	16...	1002	54	24.5	125
MAR									
08...	1218	291	15.5	84					

02420000 ALABAMA RIVER NEAR MONTGOMERY, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
SEP 2004				
18...	1300	73100	25.5	--

02421000 CATOMA CREEK NEAR MONTGOMERY, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
DEC 2003					JUL 2004				
08...	1035	146	7.0	188	26...	1418	1.3	25.0	238
MAR 2004					SEP				
24...	1225	41	16.5	227	01...	1510	222	24.0	180
MAY									
05...	1546	70	19.0	220					

02422500 MULBERRY CREEK AT JONES, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
01...	1110	110	18.5	37	05...	1115	166	18.5	30
DEC					JUL				
09...	1225	191	10.0	24	08...	1100	90	23.0	27
JAN 2004					SEP				
28...	1450	315	12.0	40	01...	1230	84	27.0	28
MAR									
23...	1300	166	15.5	33					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MOBILE RIVER BASIN--Continued

02423130 CAHABA RIVER AT TRUSSVILLE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
02...	1020	.33	16.0	--	17...	1505	4.0	23.5	--
NOV					JUN				
07...	1215	.00	19.0	321	30...	1209	35	21.5	--
DEC					AUG				
31...	1155	24	8.0	117	02...	1110	4.0	25.5	219
APR 2004									
08...	1055	20	16.0	160					

02423380 CAHABA RIVER NEAR MOUNTAIN BROOK, AL

NOV 2003					APR 2004				
17...	1335	68	13.5	--	05...	1233	83	17.0	--
FEB 2004					MAY				
19...	1045	327	8.5	--	17...	1330	77	24.5	--

02423397 LITTLE CAHABA RIVER BELOW LEEDS, AL

OCT 2003					APR 2004				
09...	1000	8.0	18.0	341	08...	0940	14	17.0	350
NOV					MAY				
13...	1000	6.0	15.5	348	18...	0900	10	19.5	355
DEC					JUL				
31...	1028	23	10.5	320	01...	0952	34	21.5	344
FEB 2004					AUG				
17...	1018	55	11.0	303	10...	0938	8.0	21.0	369

02423398 LITTLE CAHABA RIVER NEAR LEEDS, AL

OCT 2003					APR 2004				
09...	1055	10	18.0	355	08...	0845	17	17.0	360
NOV					MAY				
13...	1112	8.0	15.5	367	18...	0810	12	19.5	372
DEC					JUL				
31...	0930	26	10.0	326	01...	1058	36	22.0	351
FEB 2004									
17...	1155	61	11.0	311					

02423414 LITTLE CAHABA RIVER AT CAHABA BEACH ROAD NEAR CAHABA HEIGHTS, AL

OCT 2003					MAR 2004				
06...	0925	78	18.5	256	12...	1016	101	13.0	184
NOV					APR				
03...	1445	85	19.0	255	19...	1240	63	18.5	207
DEC					JUN				
15...	1245	8.0	9.0	257	03...	1126	35	20.5	205
JAN 2004					JUL				
27...	1405	235	9.0	261	13...	1345	36	27.5	228
FEB									
13...	1320	253	9.5	154					

02423425 CAHABA RIVER NEAR CAHABA HEIGHTS, AL

OCT 2003					APR 2004				
01...	1515	4.0	20.5	278	19...	1446	106	19.0	178
NOV					JUN				
03...	1255	4.0	19.0	412	03...	1344	63	22.0	--
DEC					JUL				
15...	1420	18	8.5	267	13...	1046	27	27.5	227
JAN 2004					AUG				
28...	1155	545	8.0	115	24...	1416	6.0	26.5	--
MAR									
24...	1300	100	15.5	169					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MOBILE RIVER BASIN--Continued

02423496 CAHABA RIVER NEAR HOOVER, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					JUL 2004				
08...	1130	10	20.5	314	06...	1120	106	27.5	182
APR 2004					AUG				
05...	1010	56	15.0	--	11...	1153	29	26.0	--
MAY									
17...	1040	28	24.0	234					

02423500 CAHABA RIVER NEAR ACTON, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
08...	0942	22	21.0	--	05...	0910	59	13.5	--
JAN 2004					MAY				
08...	1051	254	7.5	--	17...	0933	41	74.5	--
FEB					JUL				
24...	0950	268	10.0	--	06...	1004	126	26.5	--

0242354750 CAHABA VALLEY CREEK AT CROSS CREEK ROAD AT PELHAM, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
01...	1350	14	18.0	356	19...	1042	28	18.0	205
NOV					JUN				
04...	0740	10	17.5	367	03...	0943	19	20.5	--
DEC					JUL				
16...	1030	15	10.5	328	14...	1357	20	25.5	270
JAN 2004					AUG				
28...	1015	60	8.0	122	25...	1246	13	23.5	371
MAR									
12...	1242	45	15.0	--					

02423555 CAHABA RIVER NEAR HELENA, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
01...	1100	75	18.0	397	20...	1212	223	19.5	--
NOV					JUN				
03...	1010	53	16.5	406	08...	0958	115	23.5	--
DEC					JUL				
15...	0920	97	8.0	344	14...	1109	257	28.0	--
FEB 2004									
02...	1030	296	8.5	161					

02423586 SHADES CREEK NEAR HOMEWOOD, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
03...	1310	4.0	16.0	339	20...	1401	12	20.0	248
NOV					JUN				
04...	1125	3.0	18.5	351	03...	0804	6.0	21.0	390
DEC					JUL				
02...	1237	8.0	8.5	323	14...	1539	6.0	29.0	250
17...	0930	22	7.5	249	AUG				
JAN 2004					25...	0852	5.0	25.0	311
28...	1330	31	6.5	164					
MAR									
11...	1223	26	12.0	179					

02423630 SHADES CREEK NEAR GREENWOOD, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
01...	0900	10	16.5	307	20...	1011	31	18.5	216
NOV					JUN				
03...	0840	6.0	15.5	307	04...	1116	78	22.5	--
DEC					JUL				
15...	0750	35	5.5	252	14...	0928	17	26.0	286
MAR 2004					AUG				
11...	1007	97	11.5	--	24...	0953	22	24.0	231

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MOBILE RIVER BASIN--Continued

02424000 CAHABA RIVER AT CENTREVILLE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					JUN 2004				
15...	0940	376	20.5	279	21...	1135	423	29.0	272
FEB 2004					AUG				
25...	1255	1380	11.0	147	09...	1005	224	25.5	256
MAY									
12...	1055	509	25.5	244					

02424590 CAHABA RIVER NEAR SUTTLE, AL

MAY 2004									
21...	1020	1160	26.5	150					

02427250 PINE BARREN CREEK NEAR SNOW HILL, AL

OCT 2003					MAY 2004				
02...	1131	60	18.5	85	10...	1630	68	21.0	96
DEC					JUL				
08...	1258	90	13.0	80	08...	1408	67	23.0	83
JAN 2004					AUG				
28...	1125	299	12.0	95	31...	1518	47	27.0	87
MAR									
22...	1555	116	18.5	98					

02438000 BUTTAHATCHEE RIVER BELOW HAMILTON, AL

OCT 2003					APR 2004				
08...	1345	135	20.0	36	06...	1630	253	16.5	31
NOV					MAY				
21...	1020	421	12.5	35	13...	1430	155	22.0	31
JAN 2004					JUN				
14...	1225	344	8.5	23	22...	1255	103	28.0	35
FEB					AUG				
24...	1400	487	--	23	04...	1245	211	26.5	34

02442500 LUXAPALLILA CREEK AT MILLPORT, AL

OCT 2003					APR 2004				
08...	1000	131	18.5	349	07...	0840	231	15.0	35
NOV					MAY				
18...	0930	246	17.5	36	11...	1038	167	20.5	31
FEB 2004					JUN				
27...	1024	841	9.0	23	22...	0930	153	24.0	36
27...	1115	836	9.0	23	JUL				
27...	1148	827	9.0	23	30...	1054	119	24.5	35

02446500 SIPSEY RIVER NEAR ELROD, AL

OCT 2003					MAY 2004				
08...	0946	214	18.5	128	07...	1100	424	20.5	--
NOV					JUL				
06...	1204	247	19.0	124	23...	0834	233	26.0	--
DEC									
18...	1440	898	7.0	--					

02448500 NOXUBEE RIVER NEAR GEIGER, AL

OCT 2003					NOV 2003				
06...	0945	151	19.5	113	17...	1320	114	15.0	138

02448900 BODKA CREEK NEAR GEIGER, AL

OCT 2003					MAY 2004				
07...	1000	.51	19.0	288	13...	1300	38	21.5	337
NOV					JUN				
17...	1100	3.0	15.0	378	25...	1040	22	24.5	353
JAN 2004					JUL				
12...	1510	143	16.5	192	30...	1250	3.0	27.0	378

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MOBILE RIVER BASIN--Continued

02449882 BLUE SPRINGS CREEK NEAR BLOUNTSVILLE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
20...	1204	1.0	16.0	173	06...	1228	4.0	20.0	160
NOV					JUN				
24...	1220	2.0	13.0	172	22...	1040	1.0	25.0	204
JAN 2004					AUG				
08...	1426	14	7.0	130	05...	1022	1.0	25.5	223
FEB					SEP				
24...	1029	16	11.0	136	23...	0828	4.0	18.5	157
MAR									
25...	1057	8.0	16.0	151					

02450000 MULBERRY FORK NEAR GARDEN CITY, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
20...	1419	40	18.5	234	06...	0943	160	19.5	116
NOV					JUN				
24...	1413	60	13.5	155	25...	0905	266	24.0	157
JAN 2004					AUG				
08...	0835	991	6.0	107	05...	0825	55	28.0	147
FEB					SEP				
24...	0813	591	9.5	102	22...	1532	200	21.5	118
MAR									
25...	0835	259	14.0	110					

02450180 MULBERRY FORK NEAR ARKADELPHIA, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
17...	0909	40	15.5	317	06...	0756	265	19.5	136
NOV					JUN				
21...	1000	170	13.0	158	21...	1444	104	29.0	197
FEB 2004					AUG				
22...	0919	379	4.0	128	04...	1635	109	29.5	152
MAR					SEP				
24...	1611	337	15.0	123	22...	1320	269	21.0	129

02450250 SIPSEY FORK NEAR GRAYSON ,AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
09...	0925	18	16.5	86	13...	1050	44	19.0	91
JAN 2004					JUN				
14...	0900	95	7.5	60	22...	1610	17	26.0	97
APR					AUG				
06...	1300	57	14.5	83	04...	0900	9.0	23.0	88

02450825 CLEAR CREEK AT NEW HOPE CHURCH NEAR POPLAR SPRINGS, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
09...	1410	58	18.0	37	06...	0845	97	11.0	32
NOV					MAY				
24...	1215	94	12.5	39	13...	0835	72	18.5	37
JAN 2004					JUN				
13...	1525	126	7.0	36	23...	1130	77	23.0	41
FEB					AUG				
23...	1415	190	8.5	22	03...	1700	73	25.0	39

02453000 BLACKWATER CREEK NEAR MANCHESTER, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
10...	0800	56	18.5	161	12...	1610	58	23.0	148
NOV					JUN				
24...	1525	119	12.5	117	23...	0800	330	24.5	101
JAN 2004					AUG				
13...	1215	258	6.5	90	03...	1425	135	26.5	107
APR									
05...	1430	123	15.5	125					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MOBILE RIVER BASIN--Continued

02454055 LOST CREEK ABOVE PARRISH, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
10...	1130	42	19.5	181	05...	0955	88	14.0	1420
NOV					MAY				
25...	0900	83	10.0	920	12...	1055	50	21.5	170
JAN 2004					JUN				
13...	0925	212	6.0	599	23...	1445	121	25.0	921
FEB					AUG				
23...	1010	261	10.0	--	03...	1055	64	26.0	1210

02455000 LOCUST FORK NEAR CLEVELAND, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
20...	0947	27	16.0	348	06...	1419	198	20.5	104
NOV					JUN				
24...	1034	43	13.5	235	25...	1130	218	24.5	190
JAN 2004					AUG				
08...	1243	584	5.5	112	05...	1642	92	28.0	152
FEB					SEP				
24...	1250	486	10.0	114	23...	1016	315	19.5	113
MAR									
25...	1300	215	15.5	137					

02455900 LOCUST FORK AT WARRIOR, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
21...	1010	54	16.5	244	07...	0836	345	20.0	150
28...	1010	48	16.0	260	AUG				
NOV					06...	0957	164	27.5	160
25...	0930	91	10.5	302	SEP				
JAN 2004					23...	1245	591	22.0	136
20...	1400	501	6.0	151					
MAR									
25...	1512	436	17.5	155					

02455980 TURKEY CREEK AT SEWAGE PLANT NEAR PINSON, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					FEB 2004				
07...	1325	19	19.0	287	20...	1135	51	12.5	265
NOV					APR				
07...	1053	15	18.0	295	06...	1138	25	15.5	--
DEC					JUN				
29...	1041	17	11.5	312	30...	1005	31	21.0	--

02456000 TURKEY CREEK AT MORRIS, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
21...	0803	31	14.5	302	06...	1700	44	13.0	--
NOV					JUN				
25...	0739	28	9.5	303	22...	1245	29	26.0	--
JAN 2004					AUG				
09...	1531	102	5.5	247	06...	0805	28	24.0	300
FEB					SEP				
24...	1531	114	11.0	226	23...	1549	69	20.0	252
MAR									
23...	1230	74	11.0	226					

02456500 LOCUST FORK AT SAYRE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
21...	1344	96	19.5	375	07...	1059	465	21.0	201
NOV					JUN				
25...	1211	132	12.5	325	28...	1330	4580	23.5	132
JAN 2004					AUG				
21...	1452	556	6.0	180	06...	1229	277	29.0	194
MAR					SEP				
26...	0826	586	15.5	205	24...	0835	664	21.5	173

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MOBILE RIVER BASIN--Continued

02457000 FIVEMILE CREEK AT KETONA, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
03...	1010	11	14.5	361	22...	1315	13	20.0	323
NOV					JUN				
04...	1406	8.0	--	362	02...	1321	13	19.5	315
JAN 2004					JUL				
29...	1210	17	8.5	243	19...	1158	12	22.0	--
MAR					AUG				
10...	1036	29	11.5	245	26...	1048	10	22.0	360

02457595 FIVEMILE CREEK NEAR REPUBLIC, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
07...	1110	29	19.5	645	06...	1015	35	15.0	600
JAN 2004					MAY				
06...	1257	76	10.5	397	19...	1045	123	21.5	243
FEB					JUN				
18...	1137	95	9.5	427	28...	1053	90	22.5	411

02457670 FIVEMILE CREEK BELOW PRUDES CREEK NEAR GRAYSVILLE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
06...	1300	40	19.5	590	07...	1225	70	16.5	540
NOV					07...	1230	68	16.5	--
18...	1013	37	16.5	626	MAY				
DEC					26...	1405	47	26.5	--
29...	1238	47	9.0	535	AUG				
					04...	0910	53	25.0	--

02458148 VILLAGE CREEK AT 86TH STREET NORTH AT ROEBUCK, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
02...	1305	5.0	17.5	--	22...	1055	5.0	--	345
NOV					JUN				
19...	1255	5.0	16.0	--	02...	1439	2.0	20.0	344
JAN 2004					JUL				
07...	1410	5.0	12.0	--	16...	1216	3.0	22.0	370
FEB					AUG				
18...	1311	8.0	16.0	--	26...	0929	4.0	19.5	389

02458200 VILLAGE CREEK AT APALACHEE STREET IN BIRMINGHAM, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					JUN 2004				
02...	1410	8.0	20.0	--	02...	1155	12	23.0	337
NOV					JUL				
19...	1112	12	16.0	--	19...	1028	11	24.5	--
FEB 2004					AUG				
23...	1006	16	11.5	--	25...	1445	15	26.0	--

02458300 VILLAGE CREEK AT 24TH STREET AT BIRMINGHAM, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
07...	0957	15	19.0	--	06...	0905	16	14.0	--
NOV					MAY				
19...	1004	19	16.0	--	19...	0915	31	21.5	--
FEB 2004					JUN				
20...	1006	33	11.5	--	28...	0942	36	22.0	--

02458450 VILLAGE CREEK AT AVENUE W AT ENSLEY, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
06...	0940	19	19.5	415	07...	0917	26	16.0	430
NOV					MAY				
19...	1407	32	17.0	352	18...	1035	20	23.5	--
JAN 2004					JUN				
06...	1438	44	10.5	410	30...	1354	45	26.0	392

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MOBILE RIVER BASIN--Continued

02458502 VILLAGE CREEK NEAR PRATT CITY, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
06...	1040	22	20.0	--	20...	0935	27	23.5	--
NOV					JUL				
20...	0945	28	14.0	--	07...	0920	33	25.0	--
FEB 2004					AUG				
23...	1146	47	11.5	--	05...	1004	24	28.0	--
APR									
07...	1020	27	16.5	--					

02458600 VILLAGE CREEK NEAR DOCENA, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
NOV 2003					MAY 2004				
20...	1130	83	17.0	--	20...	1130	61	23.5	405
JAN 2004					JUL				
15...	1051	97	13.5	473	07...	1117	88	26.0	--
APR					AUG				
13...	1206	206	16.0	--	11...	0951	55	25.0	--

02461130 VALLEY CREEK AT CENTER STREET AT BIRMINGHAM, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
02...	1135	4.0	18.5	470	22...	0923	5.0	17.5	380
NOV					JUN				
05...	0900	4.0	21.5	458	02...	1007	6.0	22.5	411
DEC					JUL				
17...	1245	6.0	13.5	402	15...	0945	5.0	24.5	433
MAR 2004					AUG				
08...	1056	11	16.0	--	23...	1018	5.0	24.5	453

02461500 VALLEY CREEK NEAR BESSEMER, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
02...	1400	44	22.0	552	21...	1026	54	21.0	435
NOV					JUN				
05...	1225	36	23.5	495	08...	1204	54	25.5	--
DEC					JUL				
16...	1335	37	13.0	450	15...	1157	42	--	447
JAN 2004					AUG				
29...	1030	76	9.0	335	23...	1242	39	27.0	502
MAR									
08...	1336	121	17.0	403					

02461640 VALLEY CREEK BELOW BESSEMER, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAR 2004				
02...	1530	20	22.5	553	11...	1457	70	16.0	--
NOV					JUL				
05...	1040	12	24.5	513	15...	1603	15	30.5	--
DEC					AUG				
16...	1230	29	12.0	441	23...	1458	9.0	--	--
JAN 2004									
29...	0920	61	7.5	328					

02462000 VALLEY CREEK NEAR OAK GROVE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAR 2004				
06...	1155	132	21.5	1200	10...	1355	367	14.5	579
NOV					APR				
05...	1425	113	22.0	1110	21...	1241	171	20.0	810
DEC					JUL				
17...	1430	193	11.0	931	15...	1421	117	29.5	--
JAN 2004					AUG				
29...	1400	226	9.0	563	26...	1237	151	26.0	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MOBILE RIVER BASIN--Continued

02464000 NORTH RIVER NEAR SAMANTHA, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAR 2004				
07...	0950	41	18.0	381	12...	1110	415	11.0	96
NOV					APR				
06...	0915	40	18.5	351	20...	1051	111	19.5	--
DEC					JUL				
18...	0905	211	6.0	--	23...	0931	47	26.5	--
FEB 2004					23...	1033	44	26.5	308
03...	1345	228	8.0	97					

02464146 TURKEY CREEK NEAR TUSCALOOSA, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
16...	0938	3.0	12.0	259	08...	0930	13	15.5	202
JAN 2004					JUL				
05...	0900	38	13.5	147	19...	0944	5.0	22.0	280
FEB					SEP				
17...	1254	20	10.0	--	09...	0930	2.0	21.5	401
17...	1345	18	10.0	155					

02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					OCT 2003				
16...	1255	38	15.0	27	16...	1401	40	15.0	27

02465292 CRIBBS MILL CREEK AT WASTEWATER PLANT AT TUSCALOOSA, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					APR 2004				
14...	1327	10	21.5	145	08...	1325	40	19.0	99
JAN 2004					JUL				
05...	1258	59	14.0	102	20...	0908	9.0	23.0	127
FEB					SEP				
19...	1445	14	16.0	128	07...	0905	4.0	23.5	143

02465493 ELLIOTTS CREEK AT MOUNDVILLE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
JAN 2004					JUL 2004				
08...	1345	29	5.5	--	20...	1159	21	23.0	19
FEB					SEP				
19...	1240	47	9.5	14	07...	1201	14	23.5	20
APR									
15...	1339	38	14.0	16					

02467500 SUCARNOOCHEE RIVER AT LIVINGSTON, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
06...	1355	227	19.0	55	15...	1525	546	23.0	--
NOV					JUL				
19...	1300	427	16.5	125	15...	1203	286	29.0	--
JAN 2004									
16...	1100	678	9.5	59					

02469800 SATILPA CREEK NEAR COFFEEVILLE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAY 2004				
02...	1604	49	17.5	141	12...	1320	52	21.0	160
DEC					AUG				
04...	1441	67	11.0	113	31...	1105	81	23.5	78
MAR 2004									
19...	1252	110	18.0	112					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MOBILE RIVER BASIN--Continued

02470072 BASSETT CREEK AT US HIGHWAY 43 NEAR THOMASVILLE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAR 2004				
02...	1321	2.0	16.5	53	22...	1356	3.0	15.0	54
DEC					MAY				
05...	0805	.47	10.5	63	11...	0810	.20	20.5	50
JAN 2004					AUG				
28...	0855	2.0	8.5	55	31...	1320	4.0	23.5	51

02471001 CHICKASAW CREEK NEAR KUSHLA, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAR 2004				
03...	1010	100	17.0	25	19...	0838	171	16.5	25
NOV					MAY				
25...	1448	102	13.0	30	13...	0920	167	22.0	26
JAN 2004					AUG				
23...	1150	158	11.5	33	30...	1504	157	27.0	30

02471078 FOWL RIVER AT HALF-MILE ROAD NEAR LAURENDINE, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAR 2004				
07...	1408	15	19.0	44	17...	1252	32	18.0	47
NOV					JUN				
25...	1628	33	19.0	48	30...	1010	17	22.0	45
JAN 2004					AUG				
22...	0906	28	11.0	48	27...	0850	32	24.0	51

PASCAGOULA RIVER BASIN

02479945 BIG CREEK AT COUNTY ROAD 63 NEAR WILMER, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					FEB 2004				
07...	0845	39	18.5	24	18...	1516	56	10.0	23
NOV					MAR				
25...	1315	45	12.0	27	18...	1533	54	17.5	22
JAN 2004					AUG				
23...	0930	44	8.5	23	30...	1128	54	24.0	24

0247994650 JUNIPER CREEK AT JACK WILLIAMS ROAD NEAR GEORGETOWN, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
NOV 2003					JUL 2004				
19...	1420	3.8	18.0	24	06...	1530	3.4	23.5	24
FEB 2004					SEP				
18...	0800	3.4	9.5	26	27...	1600	1.7	23.0	27

02479947 JUNIPER CREEK AT COLEMAN DAIRY ROAD NEAR WILMER, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
NOV 2003					JUL 2004				
19...	1450	10	17.5	27	07...	1100	13	21.5	26
FEB 2004					SEP				
18...	0830	10	11.0	28	27...	1710	7.0	22.5	30

02479980 CROOKED CREEK NEAR FAIRVIEW, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					MAR 2004				
07...	1038	12	20.5	40	18...	1026	13	16.5	37
JAN 2004					JUN				
22...	1305	11	10.0	36	30...	1318	25	22.0	37
FEB					AUG				
18...	1344	13	10.5	39	30...	1230	13	24.0	40

02480002 HAMILTON CREEK AT SNOW ROAD NEAR SEMMES, AL

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT 2003					FEB 2004				
07...	1220	10	19.0	40	17...	1452	22	12.5	40
NOV					MAR				
25...	0915	19	12.5	42	17...	1553	23	19.5	41
JAN 2004					JUN				
22...	1148	21	11.5	40	30...	1220	39	23.5	40

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Specif. conductance, wat unf uS/cm 25 degC (00095)
TENNESSEE RIVER BASIN									
03573182 SCARHAM CREEK NEAR MCVILLE, AL									
OCT 2003					MAY 2004				
16...	1346	1.0	15.5	93	05...	1336	54	15.5	70
DEC					JUN				
03...	1305	17	6.5	92	30...	1004	143	20.5	81
JAN 2004					AUG				
07...	1355	158	6.0	92	04...	1305	9.0	25.0	85
FEBSEP									
17...	1130	198	7.5	87	22...	0903	89	17.5	81
MAR									
24...	1250	45	12.0	80					
03574500 PAINT ROCK RIVER NEAR WOODVILLE, AL									
OCT 2003					MAY 2004				
16...	1036	31	17.0	307	05...	1020	528	14.5	248
DEC					JUN				
03...	1038	246	9.0	253	23...	1255	45	25.0	280
JAN 2004					AUG				
22...	1219	343	7.0	246	04...	1018	118	24.5	266
FEB					SEP				
23...	1630	475	11.0	228	21...	1620	349	18.5	231
MAR									
24...	1009	370	12.5	236					
03575100 FLINT RIVER AT BROWNSBORO, AL									
OCT 2003					MAY 2004				
16...	0832	87	15.0	171	05...	0820	418	15.0	166
DEC					JUN				
03...	0855	329	8.5	152	23...	0945	145	24.5	170
JAN 2004					AUG				
07...	0850	548	6.5	158	04...	0801	166	24.5	166
FEB					SEP				
23...	1400	602	11.0	147	21...	1417	232	19.5	172
MAR									
24...	0812	454	12.5	157					
03576250 LIMESTONE CREEK NEAR ATHENS, AL									
OCT 2003					MAY 2004				
14...	1313	28	19.0	120	03...	1440	123	16.0	100
DEC					JUN				
01...	1424	155	9.5	101	22...	1842	37	25.5	115
JAN 2004					AUG				
05...	1527	192	13.0	96	02...	1656	47	26.0	114
FEB					SEP				
19...	0815	288	7.0	86	14...	0741	29	22.0	121
MAR									
22...	1414	144	14.0	95					
03586500 BIG NANCE CREEK AT COURTLAND, AL									
OCT 2003					MAY 2004				
14...	1017	20	18.5	292	03...	1151	91	17.0	247
DEC					JUN				
01...	1125	233	9.0	176	22...	1637	15	23.5	250
JAN 2004					AUG				
05...	1205	168	13.0	245	02...	1415	40	24.5	231
FEB					SEP				
23...	1100	212	11.0	228	13...	1410	84	22.0	157
MAR									
22...	1058	178	14.5	229					

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, 20.81 ft below land-surface datum, July 2, 3; lowest, 24.93 ft below land-surface datum, Dec. 19, 20.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.84	21.77	24.47	23.56	24.24	22.13	23.55	24.17	23.48	21.41	22.08	22.95
10	22.15	21.77	24.58	23.84	23.30	22.14	24.42	24.12	23.78	22.05	22.33	23.29
15	22.52	22.22	24.21	24.34	22.90	22.46	24.48	24.03	22.84	21.80	22.49	23.20
20	23.21	22.47	24.93	24.50	22.42	23.06	24.52	23.51	21.93	21.74	22.93	21.93
25	22.46	22.14	24.51	24.55	22.36	23.36	24.25	23.53	21.42	21.82	22.52	22.20
EOM	22.71	23.32	23.88	24.19	22.04	22.75	24.04	23.89	21.20	21.43	22.61	22.34
MEAN	22.65	22.20	24.41	24.13	23.07	22.58	24.08	23.88	22.60	21.69	22.43	22.62
MAX	23.22	23.32	24.93	24.83	24.25	23.48	24.58	24.42	23.86	22.06	23.04	23.31
MIN	21.82	21.63	23.66	23.56	22.04	21.84	22.97	23.27	21.13	20.90	21.46	21.85

CAL YR 2003	MEAN 23.98	HIGH 20.64	AUG 20	LOW 28.13	JAN 27
WTR YR 2004	MEAN 23.03	HIGH 20.90	JUL 2	LOW 24.93	DEC 19

GROUND-WATER LEVELS

TUSCALOOSA COUNTY

333204087324601. Local number, TW-5.

LOCATION.--Lat 33°32'04", long 87°32'46", in SE $^{1}/_{4}$ 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, 51.08 ft below land-surface datum, Jan. 27, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level, 36.10 ft below land-surface datum, Feb. 17; lowest, 43.62 ft below land-surface datum, Nov. 13.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	42.88	43.36	43.16	42.82	42.08	39.43	41.95	---	40.42	39.93	38.88	42.14
10	42.85	43.49	43.00	41.97	37.44	36.89	42.04	---	41.08	---	40.25	42.22
15	43.05	43.36	43.20	41.96	37.06	---	41.93	42.21	40.48	40.38	40.43	42.12
20	43.07	43.39	43.37	42.49	37.07	40.61	42.04	41.31	---	40.92	41.01	---
25	---	43.36	43.37	42.35	39.42	41.34	42.32	41.66	40.56	41.39	42.45	40.76
EOM	43.50	43.24	43.15	41.86	37.94	41.55	41.92	41.98	39.09	39.01	42.27	41.30
MEAN	42.99	43.37	43.23	42.23	38.55	39.51	41.95	41.72	40.50	39.89	40.66	41.77
MAX	43.50	43.55	43.40	43.00	42.29	41.55	42.32	42.29	41.45	41.39	42.47	42.55
MIN	42.85	43.16	43.00	41.77	36.14	36.21	41.63	41.31	39.09	38.62	37.95	40.64

CAL YR 2003	MEAN 40.98	HIGH 33.92	FEB 23	LOW 43.55	NOV 13
WTR YR 2004	MEAN 41.38	HIGH 36.14	FEB 17	LOW 43.55	NOV 13

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

302356087504201 WW 15-USGS

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Nitrate water, unfltrd field, mg/L as N (99124)	Nitrite water, unfltrd field, mg/L as N (99125)	Sulfide water, unfltrd field, mg/L (99119)	Sulfate water, unfltrd field, mg/L (99127)	Methylmercury water unfltrd ng/L (50284)
AUG 11...	1030	20.9	764	.2	39	10.0	112	4.8	.1	.010	M	<.01	<.04
SEP 01...	1734	20.5	762	--	51	8.5	94	4.8	--	--	--	--	--

Date	Depth of well, feet below LSD (72008)
AUG 11...	79.25

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

302416087505501 WW 13-USGS

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)
JUN 09...	1500	22.3	31.0	766	.8	71	75	8.5	97	4.1	5.1	<.04	<.008

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium adsorption ratio (00931)	Sodium, percent (00932)	Potassium, water, fltrd, mg/L (00935)	Chloride, water, fltrd, mg/L (00940)	Sulfide water, unfltrd field, mg/L (99119)
JUN 09...	2.25	<.004	<.006	E.2	16	1.42	3.14	4.28	.5	35	.59	12.9	<.01

Date	Sulfate water, fltrd, mg/L (00945)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC wat flt mg/L (70300)	Depth of well, feet below LSD (72008)
JUN 09...	.2	<.2	7.65	34	64

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)
JUN 09...	<.025	<.004	<.005	<.01	<.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013

Date	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Fipronil, water, fltrd, ug/L (62166)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Desulfinyl fipronil amide, wat flt ug/L (62169)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)
JUN 09...	<.027	<.010	<.005	<.007	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.006	<.006

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
JUN 09...	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

302416087505501 WW 13-USGS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Trialate, water, fltrd 0.7u GF ug/L (82678)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
JUN													
09...	<.02	<.004	<.02	<.002	<.011	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

302416087505502 WW 14-USGS

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)
JUN 09...	1200	22.3	28.5	766	.4	51	53	7.8	89	4.4	5.9	<.04	<.008

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium adsorption ratio (00931)	Sodium, percent (00932)	Potassium, water, fltrd, mg/L (00935)	Chloride, water, fltrd, mg/L (00940)	Sulfide water, unfltrd field, mg/L (99119)
JUN 09...	1.33	<.004	<.006	.3	9	.96	1.64	4.15	.6	47	.73	8.45	<.01

Date	Sulfate water, fltrd, mg/L (00945)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC wat flt mg/L (70300)	Depth of well, feet below LSD (72008)
JUN 09...	.7	<.2	5.99	28	25

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)
JUN 09...	<.025	<.004	<.005	<.01	E.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013

Date	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Fipronil, water, fltrd, ug/L (62166)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Desulfinyl fipronil amide, wat flt ug/L (62169)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)
JUN 09...	<.027	<.010	<.005	E.007	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.006	<.006

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
JUN 09...	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

302416087505502 WW 14-USGS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)
JUN													
09...	<.02	<.004	<.02	<.002	<.011	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

302356087504202 -- WW 16-USGS

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Nitrate water, unfltrd field, mg/L as N (99124)	Nitrite water, unfltrd field, mg/L as N (99125)	Sulfide water, unfltrd field, mg/L (99119)	Sulfate water, unfltrd field, mg/L (99127)	Methylmercury water unfltrd ng/L (50284)	Depth of well, feet below LSD (72008)
AUG													
11...	1200	26.5	764	5000	1.6	21	5.7	--	--	--	--	.58	8
SEP													
02...	1345	25.6	762	7900	1.0	13	5.9	6.1	.000	M	>80	--	8

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

302452087511601 WW 11-USGS

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)
JUN 08...	1400	22.0	30.0	770	.2	104	97	8.4	95	4.4	E5.6	<.04	<.008

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium adsorption ratio (00931)	Sodium, percent (00932)	Potassium, water, fltrd, mg/L (00935)	Chloride, water, fltrd, mg/L (00940)	Sulfide water, unfltrd field, mg/L (99119)
JUN 08...	5.43	<.004	<.006	E.3	27	2.47	5.03	3.53	.3	22	.66	12.1	M

Date	Sulfate water, fltrd, mg/L (00945)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC wat flt mg/L (70300)	Depth of well, feet below LSD (72008)
JUN 08...	.2	<.2	7.11	55	105

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)
JUN 08...	<.025	<.004	<.005	<.01	<.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013

Date	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Fipronil, water, fltrd, ug/L (62166)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Desulfinyl fipronil amide, wat flt ug/L (62169)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)
JUN 08...	<.027	<.010	<.005	<.007	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.006	<.006

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
JUN 08...	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

302452087511601 WW 11-USGS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
JUN													
08...	<.02	<.004	<.02	<.002	<.011	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

302458087511301 WW 12-USGS

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Turbidity, water, unfltrd field, NTU (61028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)
JUN 08...	1630	23.1	31.0	768	2.8	92	90	9.6	111	4.1	4.8	<.04	<.008

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium adsorption ratio (00931)	Sodium, percent (00932)	Potassium, water, fltrd, mg/L (00935)	Chloride, water, fltrd, mg/L (00940)	Sulfide water, unfltrd field, mg/L (99119)
JUN 08...	6.93	<.004	<.006	<.3	27	3.33	4.55	1.57	.1	11	1.24	6.83	M

Date	Sulfate water, fltrd, mg/L (00945)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC wat flt mg/L (70300)	Depth of well, feet below LSD (72008)
JUN 08...	E.1	<.2	6.07	53	90

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Propachlor, water, fltrd, ug/L (04024)	Butylate, water, fltrd, ug/L (04028)	Simazine, water, fltrd, ug/L (04035)	Prometon, water, fltrd, ug/L (04037)	CIAT, water, fltrd, ug/L (04040)	Cyanazine, water, fltrd, ug/L (04041)	Fonofos water, fltrd, ug/L (04095)	alpha-HCH, water, fltrd, ug/L (34253)	p,p'-DDE, water, fltrd, ug/L (34653)	Chlorpyrifos water, fltrd, ug/L (38933)	Lindane water, fltrd, ug/L (39341)	Dieldrin, water, fltrd, ug/L (39381)	Metolachlor, water, fltrd, ug/L (39415)
JUN 08...	<.025	<.004	<.005	<.01	<.006	<.018	<.003	<.005	<.003	<.005	<.004	<.009	<.013

Date	Malathion, water, fltrd, ug/L (39532)	Parathion, water, fltrd, ug/L (39542)	Diazinon, water, fltrd, ug/L (39572)	Atrazine, water, fltrd, ug/L (39632)	Alachlor, water, fltrd, ug/L (46342)	Acetochlor, water, fltrd, ug/L (49260)	Fipronil, water, fltrd, ug/L (62166)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Desulfinyl fipronil amide, wat flt ug/L (62169)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Metribuzin, water, fltrd, ug/L (82630)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)
JUN 08...	<.027	<.010	<.005	<.007	<.005	<.006	<.016	<.013	<.024	<.029	<.012	<.006	<.006

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Phorate water fltrd 0.7u GF ug/L (82664)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Linuron water fltrd 0.7u GF ug/L (82666)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
JUN 08...	<.009	<.009	<.011	<.034	<.035	<.015	<.004	<.004	<.02	<.003	<.005	<.010	<.020

GROUND-WATER QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

302458087511301 WW 12-USGS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	DCPA, water fltrd 0.7u GF ug/L (82682)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
JUN													
08...	<.02	<.004	<.02	<.002	<.011	<.041	<.010	<.003	<.022	<.007	<.02	<.050	<.006

PRECIPITATION-QUALITY DATA

322710087140401 PRECIPITATION STATION NEAR MARION JUNCTION, AL

LOCATION.--Lat 32°27'10", long 87°14'04", Hydrologic Unit 03150203, NE $^1/_4$ SE $^1/_4$ SW $^1/_4$ 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.

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, 2004
02341500	Chattahoochee River at Columbus, GA	4,670	Aug. 23, 1929	to	Jan. 17, 2003
02341505	Chattahoochee River at GA 280 near Columbus, GA	4,670	Jan. 18, 2002	to	Sept. 30, 2004
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, 2004
02342933	South Fork Cowikee Creek near Batesville	112	Oct. 01, 1963	to	Sept. 30, 1971
			Oct. 01, 1974	to	Sept. 30, 2004
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, 2004
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, 2004
02361500	Choctawhatchee River near Bellwood	1,280	Dec. 01, 1921	to	Oct. 31, 1925
			Dec. 07, 2000	to	Sept. 30, 2004
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, 2004
02363000	Pea River near Ariton	498	Oct. 01, 1938	to	Sept. 30, 1970
			Oct. 01, 1987	to	Sept. 30, 2004
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
			Oct. 01, 2002	to	Sept. 30, 2004
02364570	Panther Creek near Hacoda	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, 2004
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, 2004
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, 2004
02372422	Conecuh River below Point “A” Dam at River Falls	1,273	June 17, 1999	to	Sept. 30, 2004
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, 2004
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, 2004
02374500	Murder Creek near Evergreen	176	Oct. 01, 1937	to	Sept. 30, 2004
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, 2004
02374745	Burnt Corn Creek at State Highway 41 near Brewton	182	Mar. 20, 1999	to	Sept. 30, 2004
02374950	Big Escambia Creek at Sardine Bridge near Stanley Crossroads	193	May 24, 2000	to	Sept. 30, 2004
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, 2004
02376500	Perdido River at Barrineau Park, FL	394	June 01, 1941	to	Sept. 30, 2004
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, 2004
02377960	Blackwater River near Elsanor	56.6	Oct. 01, 1987	to	Sept. 30, 1991

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER DISCHARGE STATIONS--Continued

Station number	Station name	Drainage area (mi^2)	Period(s) of record			
02378300	Magnolia River at U.S. Highway 98 near Foley	16.6	Jul. 21, 1999	to	Sept. 30, 2004
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, 2004
02398037	Chattooga River at Chattoogaville, GA	281	Dec. 15, 1999	to	Feb. 10, 2003
02398195	Mills Creek near Chesterfield	9.53	Oct. 01, 1978	to	Sept. 30, 1985
02398250	Mills Creek near Dewey	67.6	Oct. 01,2000	to	Feb. 10, 2004
02398300	Chattooga River above Gaylesville	366	Jan. 01, 1959	to	Sept. 30, 1967
			Oct. 01, 1984	to	Sept. 30, 2004
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, 2004
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, 2004
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, 2004
02400500	Coosa River at Gadsden	5,805	Oct. 01, 1926	to	Sept. 30, 1976
02400680	Big Wills Creek at State Highway 35 near Fort Payne	55.4	Oct. 01, 2002	to	Sept. 30, 2004
02401000	Big Wills Creek near Reece City	182	Oct. 01, 1943	to	Sept. 30, 1970
			Oct. 01, 1986	to	Sept. 30, 2004
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, 2004
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	Tallasseehatchee 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
02403310	Choccolocco Creek near Boiling Spring	191	Oct. 01, 2002	to	Sept. 30, 2004
02403395	Choccolocco Creek at Oxford	222	May 26, 1999	to	Sept. 30, 2003
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 Shoals near Lincoln	481	Oct. 01, 1960	to	Sept. 30, 1967
			Oct. 01, 1984	to	Sept. 30, 2004
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, 2004
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, 2004
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, 2004
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, 2004
02411930	Tallapoosa River below Tallapoosa, GA	272	Dec. 13, 1999	to	Sept. 30, 2004
02412000	Tallapoosa River near Heflin	448	July 01, 1952	to	Sept. 30, 2004
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
02413210	Little Tallapoosa River below Bowdon, GA	245	Dec. 12. 1999	to	Sept. 30, 2004

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER DISCHARGE STATIONS--Continued

Station number	Station name	Drainage area (mi^2)	Period(s) of record		
02413300	Little Tallapoosa River near Newell	406	Oct. 01, 1975	to	Sept. 30, 2004
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, 2004
02414525	High Pine Creek near Roanoke	21.3	Aug. 21, 1998	to	Sept. 30, 2001
02414715	Tallapoosa River near New Site	2,058	Nov. 15, 1985	to	Sept. 30, 2004
02414800	Harbuck Creek near Hackneyville	7.97	Oct. 01, 1958	to	Sept. 30, 1968
02415000	Hillabee Creek near Hackneyville	190	July 01, 1952	to	Sept. 30, 1970
			Oct. 01, 1985	to	Sept. 30, 2004
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
02418230	Sougahatchee Creek near Loachapoka	71.3	Nov. 09, 1999	to	Sept. 30, 2004
02418500	Tallapoosa River below Tallassee	3,328	Oct. 01, 1928	to	Sept. 30, 2004
02418760	Chewacla Creek at Chewacla State Park near Auburn	45.8	Oct. 08, 2002	to	Sept. 30, 2004
02419000	Uphapee Creek near Tuskegee	333	Oct. 01, 1939	to	Sept. 30, 1970
			Oct. 01, 1974	to	Sept. 30, 2004
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, 2004
02419977	Three Mile Branch at North Boulevard at Montgomery	8.79	Oct. 01, 1998	to	Sept. 30, 2001
02420000	Alabama River near Montgomery	15,087	Oct. 01, 1927	to	Sept. 30, 1990
			Oct. 01, 2001	to	Sept. 30, 2004
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, 2004
02421115	Pintlalla Creek at Liberty Church Road near Pintlalla	59.3	Oct. 01, 1998	to	Sept. 30, 2001
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, 2004
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, 2004
02423190	Big Black Creek near Leeds	39.3	Jan. 01, 1999	to	Jan. 31, 2001
02423380	Cahaba River near Mountain Brook	140	Oct. 01, 1980	to	Sept. 30, 1981
			June 01, 1984	to	Sept. 30, 2004
02423397	Little Cahaba River below Leeds	17.0	June 16, 1995	to	Sept. 30, 2004
02423398	Little Cahaba River near Leeds	19.4	Oct. 01, 1980	to	Sept. 30, 1981
			May 01, 1988	to	Sept. 30, 2004
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
02423414	Little Cahaba River at Cahaba Beach Cahaba Heights	47.1	Aug. 01, 2003	to	Sept. 30, 2004
02423425	Cahaba River near Cahaba Heights	201	Aug. 01, 1975	to	Sept. 30, 1985
			Jul. 27, 1996	to	Sept. 30, 2004
02423496	Cahaba River near Hoover	226	May 01, 1988	to	Sept. 30, 2004
02423500	Cahaba River near Acton	230	Oct. 01, 1938	to	Sept. 30, 1957
			Oct. 01, 1983	to	Sept. 30, 2004
0242354750	Cahaba Valley Creek at Cross Creek Road at Pelham	25.6	Oct. 01, 1998	to	Sept. 30, 2004
02423555	Cahaba River near Helena	335	Oct. 01, 1995	to	Sept. 30, 2004
02423586	Shades Creek near Homewood	27.1	Feb. 23, 2001	to	Sept. 30, 2004
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, 2004
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, 2004
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, 2004
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, 2004
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

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER DISCHARGE STATIONS--Continued

Station number	Station name	Drainage area (mi^2)	Period(s) of record			
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, 2004	
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, 2004	
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	
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, 2004	
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	
			Oct. 01, 2001	to	Sept. 30, 2004	
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 Bevill Lock and Dam near Pickensville	5,750	Oct. 01, 1980	to	Sept. 30, 2004	
02444490	Bogue Chitto Creek near Memphis	52.6	Oct. 01, 1998	to	Sept. 30, 2004	
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, 2004	
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, 2004	
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, 2004	
02448900	Bodka Creek near Geiger	158	Oct. 01, 1990	to	Sept. 30, 2004	
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, 2004	
02450000	Mulberry Fork near Garden City	365	Oct. 01, 1928	to	Sept. 30, 2004	
02450180	Mulberry Fork near Arkadelphia	487	Oct. 01, 1976	to	Sept. 30, 1986	
			Oct. 01, 1988	to	Sept. 30, 2004	
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, 2004	
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, 2004	
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	

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER DISCHARGE STATIONS--Continued

Station number	Station name	Drainage area (mi^2)	Period(s) of record			
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, 2004	
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, 2004	
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	Apr. 30, 2000	
02455000	Locust Fork near Cleveland	303	Dec. 01, 1936	to	Sept. 30, 1986	
			Oct. 01, 1992	to	Sept. 30, 2004	
02455185	Blackburn Fork Little Warrior River near Holly Springs	36.1	Jan. 31, 1998	to	Mar. 05, 2000	
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	
02455900	Locust Fork at Warrior	707	Oct. 01, 2001	to	Sept. 30, 2004	
02455980	Turkey Creek at Sewage Plant near Pinson	27.4	July 01, 1988	to	Sept. 30, 2004	
02456000	Turkey Creek at Morris	80.9	Jan. 01, 1944	to	Sept. 30, 1979	
			Mar. 16, 2002	to	Sept. 30, 2004	
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, 2004	
02456980	Fivemile Creek at Lawson Road near Tarrant City	18.6	May 11, 1996	to	Sept. 30, 2001	
02456998	Barton Branch near Tarrant City	3.11	May 27, 1996	to	Sept. 30, 2001	
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, 2004	
02457595	Fivemile Creek near Republic	51.9	May 21, 1988	to	Sept. 30, 2004	
02457670	Fivemile Creek below Prudes Creek near Graysville	91.7	Apr. 24, 1997	to	Sept. 30, 2004	
02458148	Village Creek at 86th Street North at Roebuck	4.10	Oct. 01, 1998	to	Sept. 30, 2004	
02458500	Village Creek at Apalachee Street in Birmingham	15.6	Oct. 01, 1998	to	Sept. 30, 2004	
02458300	Village Creek at 24th Street at Birmingham	26.0	June 01, 1988	to	Sept. 30, 2004	
02458450	Village Creek at Avenue W at Ensley	33.5	July 01, 1975	to	Sept. 30, 1979	
			July 08, 1988	to	Sept. 30, 2004	
02458502	Village Creek near Pratt City	36.7	Oct. 01, 1997	to	Sept. 30, 2004	
02458600	Village Creek near Docena	52.2	June 21, 1996	to	Sept. 30, 2004	
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	
02461130	Valley Creek at Center Street at Birmingham	7.00	Feb. 01, 2001	to	Sept. 30, 2004	
02461500	Valley Creek near Bessemer	52.5	May 14, 1975	to	Sept. 30, 1979	
			May 01, 1988	to	Sept. 30, 2004	
02461630	Halls Creek at Bessemer	7.30	Oct. 01, 1997	to	Sept. 30, 2003	
02461640	Valley Creek below Bessemer	61.4	Oct. 01, 1997	to	Sept. 30, 2004	
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, 2004	
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, 2004	
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, 2004	
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	

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER DISCHARGE STATIONS--Continued

Station number	Station name	Drainage area (mi^2)	Period(s) of record			
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, 2004	
02464146	Turkey Creek near Tuscaloosa	6.16	Feb. 01, 1981	to	Sept. 30, 1984	
			Oct. 01, 1986	to	Sept. 30, 2004	
02464360	Binion Creek below Gin Creek near Samantha	57.0	Oct. 01, 1986	to	Sept. 30, 2004	
02464500	North River near Tuscaloosa	372	Dec. 01, 1951	to	Dec. 31, 1968	
02465000	Black Warrior River at Oliver Lock and Dam at Northport	4,820	Jan. 01, 1895	to	Dec. 31, 1902	
			Aug. 01, 1928	to	Sept. 30, 2004	
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	
02465292	Cribbs Mill Creek at Waste Water Plant at Tuscaloosa	10.7	Jul. 25, 2002	to	Sept. 30, 2004	
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, 2004	
02465500	Five Mile Creek near Greensboro	73.6	Oct. 01, 1954	to	Sept. 30, 1971	
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, 2004	
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, 2004	
02467500	Sucarnoochee River at Livingston	607	Oct. 01, 1938	to	Sept. 30, 2004	
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 Coffeeville Lock and Dam near Coffeeville	18,417	Oct. 01, 1960	to	Sept. 30, 2004	
02469800	Satilpa Creek near Coffeeville	164	Oct. 01, 1956	to	Sept. 30, 1970	
			Oct. 01, 1974	to	Sept. 30, 2004	
02470000	Tombigbee River near Leroy	18,965	Oct. 01, 1928	to	Sept. 30, 1960	
02470072	Bassett Creek at U.S. Highway 43 near Thomasville	10.5	Oct. 01, 1995	to	Sept. 30, 2004	
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	
02470629	Mobile River at River Mile 31.0 at Bucks	43,000	Oct. 01, 2003	to	Sept. 30, 2004	
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, 2004	
0247100550	Eightmile Creek at Mobile	23.2	Oct. 01, 1996	to	Sept. 30, 2000	
02471013	Threemile Creek at Zeigler Boulevard at Spring Hill	10.4	Dec. 03, 1999	to	Sept. 30. 2003	
02471065	Montlimar Creek at U.S. Highway 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, 2004	
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, 2004	
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, 2004	
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, 2004	
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, 2004	
03568000	Tennessee River at Chattanooga, TN	21,400	Apr. 01, 1874	to	Sept. 30, 2004	
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 McVille	50.0	Oct. 01, 1998	to	Sept. 30, 2004	
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, 2004	
0357479650	Hester Creek near Plevna	33.0	Oct. 01, 1998	to	Sept. 30, 2004	
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, 2004	

ACTIVE AND DISCONTINUED CONTINUOUS-RECORD SURFACE-WATER DISCHARGE STATIONS--Continued

Station number	Station name	Drainage area (mi^2)	Period(s) of record			
03575500	Tennessee River at Whitesburg	25,610	Oct. 01, 1924	to	Sept. 30, 1936
			Mar. 01, 1937	to	Sept. 30, 1997
			Oct. 01, 1999	to	Sept. 30, 2004
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	Jun. 16, 2002
03576000	Huntsville Spring Branch at Patton Road near Huntsville	41.8	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, 2004
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
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, 2004
03587000	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
			Oct. 01,1999	to	Sept. 30, 2004
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 number	Station name	Drainage area (mi^2)	Period of record (water years)
02339500	Chattahoochee River at West Point, GA	3,550	1971-04
02339780	Chattahoochee River at Langdale	3,630	1983-92
02341500	Chattahoochee River at Columbus, GA	4,670	1971-02
02341505	Chattahoochee River at GA 280 near Columbus, GA	4,670	2002-04
0234296910	Chattahoochee River at Coast Guard Dock at Eufaula	6,730	1990-04
02361000	Choctawhatchee River near Newton	686	1972-04
02361500	Choctawhatchee River near Bellwood	1,280	2001-04
02362000	Choctawhatchee River near Geneva	1,346	1972-97, 2003-04
02364000	Pea River at Elba	959	1972-04
02372422	Conecuh River below Point “A” Dam at River Falls	1,273	1999-04
02372430	Conecuh River at River Falls	1,277	1972-96, 2003-04
02373800	Sepulga River at Brooklyn	1,020	1976-81
02374250	Conecuh River at State Highway 41 at Brewton	2,661	1972-97
			1999-04
02374700	Murder Creek at Brewton	435	1999-04
02374745	Burnt Corn Creek at State Highway 41 near Brewton	182	1999-04
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	1988-04
02400496	Coosa River at Gadsden Steamplant near Gadsden	5,800	1995-04
02400500	Coosa River at Gadsden	5,805	1972-04
02407000	Coosa River at Childersburg	8,392	1995-04
02407526	Coosa River at Gaston Steamplant near Wilsonville	8,588	1994-04
02411600	Coosa River at Wetumpka	10,148	1972-04
02414500	Tallapoosa River at Wadley	1,675	1972-04
02419500	Tallapoosa River at Milstead	3,770	1972-77
			1981-83
			1998-04
02419890	Tallapoosa River near Montgomery	4,646	1973-04
02419988	Alabama River at Montgomery	15,023	1972-04
02420000	Alabama River near Montgomery	15,087	2000-04
02421351	Alabama River below Robert F. Henry Lock and Dam near Benton	16,233	1972-97
			2003-04
02423000	Alabama River at Selma	17,095	1972-04
02423390	Cahaba River at BWWB 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	1972-04
02425000	Cahaba River near Marion Junction	1,766	1972-82
02427506	Alabama River below Millers Ferry Lock and Dam near Camden	20,637	1972-97
			2002-04
02428401	Alabama River below Claiborne Lock and Dam near Monroeville	21,473	1972-04
02429540	Alabama River at Choctaw Bluff	22,360	2002-04
02444500	Tombigbee River near Cochrane	5,940	1982-04
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	1998-04
02453500	Mulberry Fork at Cordova	1,916	1972-04
02462501	Black Warrior River below Bankhead Lock and Dam near Bessemer	3,981	1972-04
02462952	Black Warrior River below Holt Lock and Dam near Holt	4,219	1972-04
02464800	Lake Tuscaloosa near Tuscaloosa	416	1983-04
02465005	Black Warrior River below Oliver Lock and Dam at Tuscaloosa	4,821	1972-04
02466031	Black Warrior River below Selden Lock and Dam near Eutaw	5,810	2000-04
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	1972-04
02469525	Tombigbee River near Nanafalia	17,487	1990-04
02469762	Tombigbee River below Coffeeville Lock and Dam near Coffeeville	18,417	1972-04
02470050	Tombigbee River near Leroy	19,120	2002-04
02470500	Mobile River at Mount Vernon	42,867	1983-87
02470629	Mobile River at River Mile 31.0 at Bucks	43,000	2004
02471013	Threemile Creek at Zeigler Boulevard at Spring Hill	10.4	2000-03
0247101490	Threemile Creek at Stanton Road at Mobile	19.2	1999-03
02471016	Threemile Creek at U.S. Highway 43 near Prichard	28.1	2000-03
02480004	J.B. Converse Reservoir (Hamilton Creek) near Semmes	105	1990-93
			2002-04
03575500	Tennessee River at Whitesburg	25,610	1998-04
03577150	Tennessee River at Decatur	26,900	1991-04
03589500	Tennessee River at Florence	30,810	1998-04
03590680	Tennessee River at Smithsonia	31,350	1999-04

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.

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 Ariton	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., d.o.,turb	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
			temp	2003
02423000	Alabama River at Selma	17,095	temp	1962-82
02423130	Cahaba River at Trussville	19.7	temp, s.c., d.o.	1989-04
02423380	Cahaba River near Mountain Brook	140	temp, s.c.	1987-99
02423390	Cahaba River at BWWB Pump Station near Cahaba Heights	145	temp, s.c.	1987-91
02423397	Little Cahaba River below Leeds	17.0	temp, s.c., d.o.	1995-04
02423398	Little Cahaba River near Leeds	19.4	temp, s.c., d.o.	1988-04
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.	1989-04
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.	1989-04
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.	1989-04
02457670	Fivemile Creek below Prudes Creek near Graysville	91.7	temp, s.c., d.o.	1997-04
02458148	Village Creek at 86th Street North at Roebuck	4.10	temp, s.c., d.o.	2000-01
02458450	Village Creek at Ave. W at Ensley	33.5	temp, s.c., d.o.	1991-04
			turb	1991-04
02458600	Village Creek near Docena	52.2	temp, s.c., d.o.	1996-04
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., d.o.,turb	1972-74
02461300	Valley Creek at U.S. Highway 11 at Birmingham	30.0	temp, s.c., d.o.	2000-01
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
02471013	Threemile Creek at Zeigler Boulevard at Spring Hill	10.4	temp, s.c.,d.o., turb	2000-03
0247101490	Threemile Creek at Stanton Road at Mobile	19.2	temp, s.c.,d.o., turb	2000-03
02471016	Threemile Creek at U.S. Highway 43 near Prichard	28.1	temp, s.c.,d.o., turb	2000-03
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
02480009	J.B. Converse Reservoir near Spillway near Semmes	105	temp,sc,d.o.	2002-03
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 Biol	Chem	Sedi	Period of record
02339215	Wehadkee Creek near Rock Mills		X		1968
02339230	Cuss Creek near Roanoke		X		1965
02339495	Osiligee Creek near Lanett		X		1968
02339500	Chattahoochee River at West Point, GA	X			1968-69, 79-81, 84-96
			X		1968-70, 79-88, 90-96
				X	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 Bleecker		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
02343410	Coheelee Creek at River Road near Hilton, GA		X		2003
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
02343848	Cedar Creek at East Cook Road near Pansey		X		2003
02344000	Chattahoochee River at Alaga	X			1968-69
			X		1964, 68-69, 71-74
02358765	Big Creek at State Highway 203 near Rehobeth		X		2003
02358770	Big Creek near Madrid		X		1964
02358778	Russ Mill Creek at Union Road near Cottondale, FL		X		2003
0235878055	Cowarts Creek near Love Hill		X		2003
0235878075	Cowarts Creek above Cottonwood		X		1994, 2003
				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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
02361400	Claybank Creek at Clayhatchee		X		1964
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
02365100	Spring Creek at County Road 55 near Geneva		X		2003
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
02370400	West Fork Big Coldwater Creek near Allentown, FL		X		2003
02370700	Pond Creek near Milton, FL		X		2003
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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
02373300	Pigeon Creek near Pigeon Creek		X		1964
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
02375800	Moore Creek near Chumuckla, FL		x		2003
02376220	Perdido River at U.S. Highway 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 U.S. Highway 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 U.S. Highway 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 Miflin	X			1994
			X		1994
02378177	Miflin Creek at U.S. Highway 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 Interstate 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 Biol	Chem	Sedi	Period of record
02378410	Fish River near Daphne		X		1967
002378500	Fish River near Silver Hill	X			1993-96
			X		1966-67, 69, 71-72, 93-96
				X	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 U.S. Highway 98 near Fairhope	X			1994
			X		1994
02378600	Rock Creek at U.S. Highway 98 near Fairhope	X			1994
			X		1994
02378770	D'Olive Creek at U.S. Highway 90 near Bridgehead	X			1994
			X		1994
02378800	D'Olive Creek at U.S. Highway 98 near Daphne	X			1994
			X		1994
02397680	Spring Creek near Bomar		X		1967
02398300	Chattooga River above Gaylesville	X			2000-01
			X		1966-68, 72, 74, 99-01
				X	1999-01
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
02400675	Unnamed tributary to Big Wills Creek at State	X			2000-01
	Highway 35 near Fort Payne		X		2000-01
				X	2000-01
02400680	Big Wills Creek near Collinsville		X		1967
02400725	Mush Creek near Portersville	X			2000-01
			X		2000-01
				X	2000-01
02400750	Big Wills Creek near Collinsville		X		1967
02400800	LIttle Wills Creek at Collins Chapel Road	X			2000-01
	at Collinsville		X		2000-01
				X	2000-01
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 Gadsden		X		1967
02401350	Big Canoe Creek at Canoe Creek Road near Springfield	X			2000-01
			X		2000-01
				X	2000-01
02401355	Unnamed tributary to Big Canoe Creek near Springfield	X			2000-01
			X		2000-01
				X	2000-01
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 Gadsden		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
02401749	Williams Branch near Jacksonville	X			2000-01
			X		2000-01
				X	2000-01
02401760	LIttle Tallasseehatchee Creek near Weaver	X			2000-01
			X		2000-01
				X	2000-01
02401800	Tallahatchee Creek near Wellington		X		1967

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
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
02403380	Snow Creek below Anniston	X			2000-01
			X		2000-01
				X	2000-01
02403500	Coldwater Spring near Anniston		X		1973,02
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	Tallasseehatchee Creek near Sylacauga		X		1967-68
02406922	Darby Branch at Sylacauga		X		2003
02406930	Shirtee Creek near Odena	X			2000-01
			X		2000-01
				X	2000-01
02406970	Weewoka Creek at State Highway 21 at Winterboro		X		2003
02406990	Tallasseehatchee 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
02407521	Fourmile Creek near Wilsonville		X		2003
02407620	Cedar Creek at Fayetteville		X		1967-68
02407660	Kewahatchee Spring Creek near Shelby		X		1967
02407675	Wolf Creek near Columbiana		X		2003
02407692	Town Branch near Columbiana		X		2003
02407710	Waxahatchee Creek near Shelby		X		1967-68
02407900	Paint Creek near Marble Valley		X		1968-69
02407905	Paint Creek below Marble Valley		X		2003
02408010	Yellowleaf Creek near Clayton		X		1965, 68
02408030	Yellowleaf Creek near Lay Dam near Clanton		X		1968
02408130	Walnut Creek near Clanton		X		2003
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
02408550	Jones Creek at county road near Rockford		X		2003
02408600	Swamp Creek at Salter		X		1968
02409000	Weogufka Creek near Weogufka		X		1968
02409300	Cargle Creek near Clanton		X		2003
02409500	Coosa River at Mitchell Dam near Verbena		X		1968
02409502	Coosa River near Verbena		X		1974
02409505	South Prong near Verbena		X		2003
02409510	Chestnut Creek at Verbena		X		1968
02409680	Shoal Creek near Holtville		X		1968
02409840	Pinston Creek near Buyck		X		2003
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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
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	Chickasanoxee 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
02416000	Tallapoosa River at Sturdivant		X		2004
02416480	Sandy Creek near Dadeville		X		1968
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	Choclafaula 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	X			1992-93
	Montgomery		X		1992-93
				X	1992-93
02419890	Tallapoosa River near Montgomery		X		1971-81
02419893	Tallapoosa River at U.S. Highway 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			2000-01
			X		1999-01
				X	1999-01
0241998910	Tributary to Sevenmile Creek tributary at Gunter Park	X			1992-93
	at Montgomery		X		1992-93
				X	1992
0241998745	Pipe from Eastdale Mall parking to Eastdale Ditch	X			1992-93
	at Montgomery		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	1975-98,01
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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
02421000	Catoma Creek near Montgomery		X		1968-69, 71-83
02421115	Pintlalla Creek at Liberty Church Road near Pintlalla	X			2000
			X		1999-01
				X	1999-01
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, 2003
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
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	1990-95,97-99,01
02423030	Valley Creek near Selma		X		1965
02423130	Cahaba River at Trussville	X			1990-91, 00-01
			X		1967-68, 79-80, 90-91, 00-01
				X	1979-80, 00-01
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 near Leeds		X		1967-68, 79-80,97
				X	1979-80
02423305	Cahaba River at U.S. Highway 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 BWWB Pump Station near Cahaba Heights	X			1990-91
0242339580	Little Cahaba River near Makeeta	X			2000-01
			X		2000-01
				X	2000-01
02423397	Little Cahaba River below Leeds	X			2000-01
			X		2000-01
				X	2000-01
02423398	Little Cahaba River near Leeds		X		1969, 79-80
				X	1979-80
02423400	Little Cahaba River near Jefferson Park	X			1987-00
			X		1986-00
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
02423515	Patton Creek near Bluff Park below Patton Chapel	X			2000-01
			X	X	2000-01

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
02423536	Buck Creek at Buck Creek Road at Alabaster	X			2000-01
			X		2000-01
				X	2000-01
0242354650	Cahaba Valley Creek at Indian Trail Road near Indian Springs	X			2000-01
			X		2000-01
				X	2000-01
0242354750	Cahaba Valley Creek at Cross Creek Road at Pelham	X			2000-01
			X		1999-04
				X	1999-04
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
02423576	Shades Creek at Lakeshore Drive near Mountain Brook	X			2000-01
			X		2000-01
				X	2000-01
02423580	Shades Creek near Homewood		X		1967-68, 79-80
				X	1979-80
02423581	Shades Creek at Samford University at Homewood	X			2000-01
			X		2000-01
				X	2000-01
02423590	Unnamed tributary to Shades Creek at Fedex near Oxmoor	X			2000
			X		2000
				X	2000
02423620	Little Shades Creek at State Highway 150 near Bessemer	X			2000-01
			X		1980, 00-01
				X	1980, 00
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
02423729	Dry Creek at Spring Creek Road near Montevallo	X			2000-01
			X		2000-01
				X	2000-01
0242372950	Spring Creek at County Road 16 near Moores Crossroads	X			2000-01
			X		2000-01
				X	2000-01
02423730	Shoal Creek at Montevallo		X		1967-68
02423785	Mahan Creek near Brierfield		X		1968
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			1991-94,00-01
			X		1965-68, 71-83, 91-94, 99-01
				X	1991-93, 99-01
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
0424930	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	1999-01
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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
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, 00
			X		1965-69, 71-96, 99-04
				X	1974-79, 82-04
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
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 U.S. Highway 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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
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, 93,95,97-98,00
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	X			1983-85
	near Pickensville		X		1980-85
				X	1982
02444200	Big Creek near Pickensville		X		1967
02444210	Tombigbee River in Big Creek Bendway near	X			1989-90
	Pickensville		X		1989-90
02444490	Bogue Chitto Creek near Memphis		X		1999-04
				X	1999-04
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
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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
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	Fensche Creek near Cochrane		X		1965
02447025	Tombigbee River at Gainesville Lock & Dam near		X		1978
	Gainesville			X	1978
02447026	Tombigbee River below Gainesville Lock & Dam		X		1978
	near Gainesville			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	Broglan River near Cullman		X		1965-68
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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
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
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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
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
02455040	Locust Fork at State Highway 160 near Cleveland	X			1993-95
			X		1993-95
02455185	Blackburn Fork near Holly Spring	X			1998-99
			X		1998-99
02455204	Blackburn Fork near Remlap	X			1992
			X		1979-80, 92
				X	1979-80
02455210	Walker Spring Creek near Allgood	X			1992, 94
			X		1992, 94
02455220	Blackburn Fork near Hendrick Mill	X			1993-97
			X		1993-97
02455240	Calvert Prong Creek above Oneonta	X			1992
			X		1992
02455243	Calvert Prong Creek below Oneonta	X			1992
			X		1992
02455247	Calvert Prong Creek below Jones Creek near Oneonta	X			1992
			X		1992
02455250	Calvert Prong Creek near Oneonta	X			1992
			X		1967-68, 92
02455265	Calvert Prong Creek at Gordons Dam near Cleveland	X			1995-97
			X		1995-97
02455270	Calvert Prong Creek near Locust Fork	X			1992, 94
			X		1967-68, 79-80, 92, 94
				X	1979-80, 92
02455280	Little Warrior River near Locust Fork	X			1992-97
			X		1967-68, 92-97
02455300	Locust Fork near Locust Fork	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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
02455360	Pannell Creek at State Highway 160 near Nectar	X			1993-95
			X		1993-95
02455380	Hallmark Creek near Locust Fork	X			1994-95
			X		1994-95
02455400	Locust Fork at Blalock Bridge near Wallstown	X			1993-95
			X		1993-95
02455402	Unnamed Creek above Hayden Landfill near Hayden	X			1994
			X		1994
02455404	Unnamed Creek below Hayden Landfill near Hayden	X			1994-95
			X		1994-95
02455410	Whites Creek above Little Shenandoah Community near Adville	X			1994-95
			X		1994-95
02455412	Whites Creek below Little Shenandoah Community near Adville	X			1993-95
			X		1993-95
02455425	Hayes Creek near Hayden	X			1994-95
			X		1994-95
02455450	Kelly Creek below proposed landfill near Trafford	X			1993-95
			X		1993-95
02455470	Longs Branch at State Highway 79 near Selfville	X			1994-97
			X		1994-97
02455475	Longs Branch at county road near Trafford	X			1993-97
			X		1993-97
02455500	Locust Fork at Trafford	X			1992-97
			X		1967-68, 74, 79-80, 92-97
				X	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 Interstate 65 near Morris	X			1998-99
			X		1998-99
02456305	Crooked Creek above Morris	X			1996-99
			X		1996-99
02456310	Crooked Creek near Mt. Olive	X			1996
			X		1976-77, 96
				X	1976-77
02456320	Tributary to Crooked Creek near Mt. Olive		X		1976
				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
				X	1976-77, 79-80
02456500	Locust Fork at Sayre		X		1965-68, 70-83
				X	1979-81
02456900	Fivemile Creek at Fivemile Road near Huffman	X			2000-01
			X		2000-01, 2004
				X	2000-01
02456980	Fivemile Creek at Lawson Road near Tarrant City	X			2000-01
			X		2000-01, 2004
				X	2000-01
02456997	Robinwood Spring near Robinwood		X		1976
02456999	Fivemile Creek at Tarrant Park near Tarrant	X			2004
			X		2004
02457000	Fivemile Creek at Ketona		X		1966-68, 74, 79-80
				X	1979-80
			X		2004
02457500	Fivemile Creek at Tarrant City	X			2004
			X		2004
02457502	Fivemile Creek below Springdale Road near Tarrant	X			2004
			X		2004
02457510	Fivemile Creek at Lewisburg	X			2004
			X		2004
02457595	Fivemile Creek near Republic		X		2004

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
02457650	Fivemile Creek at Cardiff		X		1967-68, 78
				X	1978
02457700	Fivemile Creek near Linn Crossing		X		1966-67, 69-72, 79-80
				X	1979-80
02458000	Locust Fork at Palos		X		1973-74, 80
02458150	Village Creek at East Lake in Birmingham	X			2000-01
			X		2000-01
				X	2000-01
				X	1980
02458180	Tributary to unnamed tributary near Georgia Road	X			1992
	at Birmingham		X		1992
				X	1992
02458203	Tributary to unnamed tributary at 10th Avenue and	X			1992
	L&N Railroad at Birmingham		X		1992
				X	1992
02458300	Village Creek at 24th Street at Birmingham	X			2000-01
			X		2000-01
02458375	Unnamed tributary to Village Creek at Dixie Hub Center	X			1992-93
	at Birmingham		X		1992-93
				X	1992-93
02458450	Village Creek at Avenue W at Ensley	X			2000-01
			X		1980,00-01
				X	1980
02458600	Village Creek near Docena	X			2000
			X		2000
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, 00-01
			X		1992, 00-01
				X	1992
02461122	Highway runoff into Valley Creek tributary at Birmingham	X			1993
			X		1993
				X	1993
02461200	Valley Creek at Cleburne Avenue near Powderly	X			2000-01
			X		2000-01
				X	2000-01
02461300	Valley Creek at U.S. Highway 11 at Birmingham	X			2000-01
			X		2000-01
02461450	Opossum Creek near Rutledge Springs		X		1975
02461670	Fivemile Creek at Nevel Road near McCalla	X			2000-01
			X		2000-01
				X	2000-01
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		X		1978-79
	Tutwiler School			X	1978-79
02462257	Tributary to Walker County Shoal Creek near		X		1978-79
	Tutwiler School			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
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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
0246248190	Tributary to Little Yellow Creek Site B near Whitson		X		1983
0246248198	Tributary to Little Yellow Creek Site A near Whitson		X		1983
02462482	Tributary 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			2000
			X		1999-01
				X	1999-01
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
02462828	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
02462990	Yellow Creek near Northport	X			1977-79
			X		1977-84
				X	1977-83

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
02462991	Tributary to Yellow Creek above Watermelon Road near Tuscaloosa	X			1977-81
			X		1977-81
				X	1977-81
02462992	Yellow Creek at Watermelon Road near Tuscaloosa		X		1977
				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
02464035	Cripple Creek east of Samantha	X			1977-81, 84-95
			X		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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
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, 99-01
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
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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
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		X		1978
	near Sawyerville			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		X		1971-73, 75, 85, 89-90
	near Coatopa			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	1990-95,97-00
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 Coffeeville Lock & Dam near Coffeeville		X		1967, 69-70
.02469762	Tombigbee River below Coffeeville Lock & Dam	X			1971-73, 75-96,00
	near Coffeeville		X		1970-96, 99-04
				X	1970-96, 99-04
02469765	Tombigbee River near Coffeeville		X		1966
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 Coffeeville	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, 89-95,97-00
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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
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 U.S. 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 U.S. Highway 90 near Prichard		X		1967, 79-80
02471013	Threemile Creek at Zeigler Boulevard at Spring Hill	X			2000-03
			X		2000-03
0247101475	Threemile Creek at Fillingim Street at Mobile	X			2000-03
			X		2000-03
0247101490	Threemile Creek at Stanton Road at Mobile	X			2000-03
			X		2000-03
0247101495	Unnamed Tributary to Threemile Creek at	X			2000-02
	Center Street at Mobile		X		2000-02
0247101520	Threemile Creek 400 feet downstream Stone Street at Mobile		X		2002
0247101530	Threemile Creek 3000 feet upstream Conception Street at Mobile		X		2002
0247101550	Toulmins Spring Branch at Graham Avenue at Mobile	X			2000-02
			X		2000-02
0247101570	Threemile Creek 400 feet upstream Conception Street at Mobile		X		2002
0247101590	Threemile Creek 1000 feet upstream U.S. Highway 43 at Mobile		X		2002
02471016	Threemile Creek at U.S. Highway 43 near Prichard	X			2000-03
			X		2000-03
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 U.S. 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
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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
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 tributary 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			1999-00
			X		1999-00
02479944	Jackson Branch at Howard Morris Road near Wilmer	X			1999-03
			X		1999-03
02479945	Big Creek at County Road 63 near Wilmer	X			1991-04
			X		1991-04
				X	1992-95
0247994650	Juniper Creek at Jack Williams Road near Georgetown	X			1999-04
			X		1999-04
02479947	Juniper Creek at Coleman Dairy Road near Wilmer	X			1999-04
			X		1999-04
02479948	Juniper Creek at Glenwood Road near Fairview	X			1991-04
			X		1991-04
				X	1992-94
02479950	Collins Creek at Glenwood Road near Fairview	X			1991-01
			X		1969, 91-01
				X	1992-95
02479955	Long Branch near Wilmer	X			1991, 94-00
			X		1991, 94-00
				X	1994-95
02479957	Big Creek Lake at U.S. Highway 98 near Wilmer	X			2000-03
			X		1991-92, 00-03
				X	1991-92
02479958	Unnamed tributary to Big Creek Lake below	X			1992
	U.S. 98 near Fairview		X		1992
02479960	Boggy Branch at County Road 5 near Wilmer	X			1991, 94-01
			X		1991, 94-01
				X	1994-95
02479965	Big Creek Lake below Mill Branch near Wilmer	X			2000-02
			X		1991-92, 00-02
				X	1991-92
02479975	Crooked Creek at Wulff Road near Semmes	X			1999-01
			X		1999-01
02479980	Crooked Creek near Fairview	X			1991-04
			X		1991-04
				X	1992-95
02479985	Crooked Creek at mouth near Wilmer	X			1991-92, 96-00
			X		1991-92, 96-00
				X	1991-92
0248000010	Big Creek Lake cross-section near Semmes	X			2000-02
			X		2000-03
0248000050	Unnamed tributary to Hamilton Creek at Firetower Road	X			1999-00
	near Semmes		X		1999-00
02480001	Hamilton Creek below Semmes	X			1999-01
			X		1999-01
02480002	Hamilton Creek at Snow Road near Semmes	X			1991-04
			X		1991-04
				X	1992-95
02480003	Hamilton Creek at powerline near Semmes	X			2000-02
			X		2000-03
02480004	Hamilton Creek (Big Creek Lake Intake) near Semmes	X			1991-92, 96-02, 2004
			X		1991-92, 96-04
				X	1992
02480005	Hamilton Creek near Semmes		X		1969,00
02480008	Big Creek Reservoir at Pump Station near Semmes		X		1971

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
02480009	Hamilton Creek cross-section at mouth near Semmes	X			2000-02, 2004
			X		2000-04
02480015	Pierce Creek near Seven Hills		X		1969
02480020	Big Creek near Seven Hills		X		1967
02480037	Miller Creek near Dees		X		1967
02480150	Franklin Creek near Grand Bay		X		1967
03568715	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 Myrtletree Church		X		1965
03573000	Short Creek near Albertville		X		1966-68
03573180	Scarham Creek near Painter		X		1967
03573182	Scarham Creek near McVille	X			1999-01
			X		1999-01
				X	1999-01
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, 00
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	Pigrum 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			1999-04
			X		1999-04
				X	1999-04
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
03574820	Copeland Creek near Hazel Green		X		1973

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
03574823	Brier Fork near Hazel Green	X			1999
			X		1999
				X	1999
03574825	Brier Fork Flint River at U.S. Highway 231 near Meridianville		X		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			1999
			X		1973, 75,99
				X	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			1999-04
			X		1973,99-04
				X	1999-04
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, 00
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, 00
03575490	Tennessee River downstream of Hobbs Island near Whitesburg		X		2000
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
03575788	Dupree Branch near Harvest		X		1973
03575808	Dry Creek near Madison		X		1973
03575810	Indian Creek at U.S. Highway 72 near Huntsville		X		1973

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
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
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

ACTIVE AND DISCONTINUED PARTIAL-RECORD AND MISCELLANEOUS SURFACE-WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record Biol	Chem	Sedi	Period of record
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 Gipsey		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
03591800	Bear Creek near Hackleburg	X			1978
			X		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

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	
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

Page

Access to USGS water data 23
Acid neutralizing capacity, definition of.....24
Acre-foot, definition.....24
Acton, Cahaba River near 241, 242
Adenosine triphosphate, definition of 24
Adjusted Discharge, Definition of 24
Agricola, Miss., Escatawpa River near 438, 439
Alabama River at Choctaw Bluff.....270
at Claiborne.....267-269
at Claiborne Lock and Dam near Monroeville 264, 265
at Montgomery 189
at Selma 200
below Claiborne Lock and Dam near Monroeville.....266
below Robert F. Henry Lock and Dam near Benton 197
below Millers Ferry Lock and Dam near Camden 263
near Montgomery. 190-194
Aldridge Creek at Sherwood Drive near Huntsville 486
at Toney Drive at Huntsville 485
near Farley 487
Algal growth potential, definition of.....24
Alkalinity, definition of 24
Alpine, Talladega Creek at 153, 154
Analyses of samples collected at miscellaneous sites 529-544
Analyses of samples collected at water-quality
partial-record stations 529-544
Annual runoff, definition.....24
Annual 7-day minimum, definition of 24
Apalachicola River basin, gaging station records in 69-78
reservoirs in 79, 80
water-quality miscellaneous sites in 529
Ariton, Pea River near 90, 91
Arkadelphia, Mulberry Fork near 296, 297
Aroclor, definition of.....24
Artificial substrate, definition of.....24
Ash mass, definition of 24
Ashville, Big Canoe Creek at.....145, 146
Athens, Limestone Creek near 471, 472
Aspect, definition of 24
Auburn, Chewacla Creek at Chewacla State Park, near.....181, 182

Bacteria, definition of 24
Bankfull Stage, definition of 25
Barrineau Park, Fla., Perdido River at.....122, 123
Base discharge, definition of 25
Base flow, definition of.....25
Bassett Creek at U.S. Highway 43 near Thomasville.....421, 422
Batesville, South Fork Cowikee Creek near 75, 76
Bedload, definition of 25
Bedload discharge, definition of 25
Bed material, definition of 25
Bellwood, Choctawhatchee River near..... 84-86
Benthic organisms definition of.....25
Benton, Alabama River below Robert F. Henry
Lock and Dam near 197
Berlin, Duck River near.....291
Bessemer, Black Warrior River at Bankhead
Lock and Dam near 383, 384
Black Warrior River below Bankhead Lock
and Dam near 385
Valley Creek below 379, 380
Valley Creek near.....377, 378
Big Canoe Creek at Ashville.....145, 146
Big Cove Creek at Dug Hill Road near Huntsville..... 484
Big Creek (tributary to Escatawpa River)
at County Road 63 near Wilmer.....440-442
Big Escambia Creek at Sardine Bridge
near Stanley Crossroad 118, 119
Big Nance Creek at Courtland 474, 475
Big Wills Creek at State Highway 35 near Fort Payne..... 141, 142
Creek near Reece City 143, 144
Binion Creek below Gin Creek near Samantha 393, 394
Biochemical oxygen demand, definition of..... 25
Biomass, definition of.....25
Biomass pigment ratio, definition of..... 25
Birmingham, Valley Creek at Center Street at..... 375, 376
Village Creek at Apalachee Street at 353, 354
Village Creek at 24th Street at 355, 356
Black Warrior River at Bankhead Lock and
Dam near Bessemer..... 383, 384
at Holt Lock and Dam near Holt 386, 387
at Oliver Lock and Dam at Northport..... 396, 397
at Selden Lock and Dam near Eutaw.....403, 404
below Bankhead Lock and Dam near Bessemer 385
below Holt Lock and Dam near Holt..... 388
below Oliver Lock and Dam at Tuscaloosa 398
below Selden Lock and Dam near Eutaw. 405
Blackwater Creek near Manchester..... 302, 303
Blackwater River basin, gaging station records in 95, 96
water-quality miscellaneous sites in 529
Blackwater River near Bradley..... 95, 96
Blountsville, Blue Springs Creek near.....292, 293
Blue-green algae, definition of 25
Blue Pond, Little River near 134, 135
Blue Springs Creek near Blountsville..... 292, 293
Bodka Creek near Geiger 289, 290
Bogue Chitto Creek (tributary to Alabama River)
near Orrville 500
Bogue Chitto Creek (tributary to Tombigbee River)
near Memphis 277-281
Boiling Spring, Choccolocco Creek near 147, 148
Bottom material, definition of 25
Bowdon, Ga., Little Tallapoosa River below 166, 167
Bradley, Blackwater River near..... 95, 96
Brantley, Conecuh River at. 6, 97, 98
Patsaliga Creek near..... 99, 100
Brewton, Burnt Corn Creek at State Highway 41 near 115-117
Conecuh River at State Highway 41 near 107-109
Murder Creek at 112-114
Broglan Branch (tributary to Huntsville Spring Branch)
at Huntsville 496
at Oakwood Avenue at Huntsville 495
Brownsboro, Flint River at.....463-467
Bucks, Mobile River at 499
Bucks, Mobile River at river mile 31.0 at 423, 424
Bulk electrical conductivity, definition of..... 25
Burnt Corn Creek at State Highway 41 near Brewton 115-117
Buttahatchee River below Hamilton..... 271, 272

Cahaba Heights, Cahaba River near 231, 232
Cahaba Heights, Little Cahaba River at Cahaba Beach near. 227-230
Cahaba River at Centreville 6, 254-256
at Trussville 201-208
near Acton 241, 242
near Cahaba Heights 231, 232
near Helena 248, 249
near Hoover.....233-240

Page

near Marion Junction. 259, 260
near Mountain Brook 209, 210
Cahaba River (continued)
near Suttle 257, 258
Cahaba Valley Creek at Cross Creek Road at Pelham....243-247
Camden, Alabama River below Millers Ferry
Lock and Dam near 263
Campbell, Harris Creek near....499
Canadian Geodectic Vertical Datum 1928, definition of....25
Catoma Creek near Montgomery 195, 196
Cell volume, definition of 25
Cells/volume, definition of 26
Centreville, Cahaba River at 6, 254-256
Century, Fla., Escambia River near 120, 121
Cfs-day, definition of....26
Channel bars, definition of....26
Chattahoochee River at Coast Guard Dock at Eufaula....77
at GA 280 near Columbus, Ga 71, 72
at West Point, Ga....69, 70
near Columbia 78
Chattooga River above Gaylesville 130, 131
Chemical oxygen demand, definition of 26
Chewacla Creek at Chewacla State Park near Auburn....181, 182
Chickasaw Creek near Kushla 425, 426
Childersburg, Coosa River at 155
Tallasseehatchee Creek near....500
Choccolocco Creek near Boiling Spring....147, 148
at Jackson Shoals near Lincoln 149, 150
Choctaw Bluff, Alabama River at....270
Choctawhatchee River basin, gaging station records in 81-94
water-quality miscellaneous sites in 529
Choctawhatchee River near Bellwood 84-86
near Geneva 87
near Newton 81-83
Claiborne, Alabama River at 267-269
Clear Creek at New Hope Church near Poplar Spring....300, 301
Cleveland, Locust Fork near 307, 308
Clostridium perfringens, definition of....26
Coatopa, Tombigbee River at Demopolis
Lock and Dam near....408, 407
Tombigbee River below Demopolis Lock and Dam near....408
Cochrane, Tombigbee River near 282
Coffeeville, Satilpa Creek near....418, 419
Tombigbee River at Coffeeville Lock and Dam near 412, 413
Tombigbee River below Coffeeville Lock
and Dam near 414-417
Coliphages, definition of....26
Color unit, definition of....26
Columbia, Chattahoochee River near. 78
Columbus, Ga., Chattahoochee River at....71, 72
Conecuh River at Brantley 6, 97, 98
at River Falls....104
at State Highway 41 near Brewton 107-109
below Point A Dam at River Falls 101-103
Confined aquifer, definition of....26
Contents, definition of....26
Continuing-record station, definition of....26
Control, definition of 26
Control structure, definition of 26
Cooperation....2
Coosa River at Childersburg 155
at Gadsden 140
at Gadsden Steamplant near Gadsden 129
at Gaston Steamplant near Wilsonville....156
at Jordan Dam near Wetumpka....159, 160

Page

Coosa River (continued)
at Leesburg 136
at Wetumpka 161
Cordova, Mulberry Fork at....304
Courtland, Big Nance Creek at....474, 475
Crest-stage partial-record stations 499
Mobile River basin....499
Tennessee River basin 499
Cribbs Mill Creek at Wastewater Plant at Tuscaloosa....399, 400
Crooked Creek (tributary to Big Creek) near Fairview.... 443-445
Cubic foot per second, definition of 26
Cubic foot per second-day, definition of 26
Cubic foot per second per square mile, definition of 26

Daily mean suspended-sediment concentration, definition of 26
Daily record station, definition of 26
Dallas Branch at Huntsville....493
Data Collection Platform, definition of 27
Data logger, definition of....27
Datum, definition of....27
Decatur, Tennessee River at....473
Definition of terms.... 24-40
Diatoms, definition of 27
Diel, definition of 27
Discharge, definition of 27
Discharge at partial-record stations and
miscellaneous sites 483-499
Discharge measurements made at miscellaneous sites 500
Mobile River basin....500
Dissolved, definition of....27
Dissolved oxygen, definition of 27
Dissolved-solids concentration, definition of....27
Diversity index, definition of....27
Docena, Village Creek near.... 367-374
Downstream order and station numbers 8
Drainage area, definition of 27
Drainage basin, definition of 28
Dry mass, definition of 28
Dry weight, definition of 28
Duck River near Berlin....291

East Fork Pinhook at Winchester Road at Huntsville 491
Elba, Pea River at....92
Elliotts Creek at Moundville 401, 402
Ellisville, Terrapin Creek at....137, 138
Elrod, Sipsey River near....283, 284
Elsanor, Styx River near....124, 125
Embeddedness, definition of 28
Ensley, Village Creek at Ave. W at.... 357-364
Enterococcus bacteria, definition of....28
Enterprise, Little Double Bridges Creek near 88, 89
EPT index, definition of....28
Escambia River basin, gaging-station records in 97-121
water-quality miscellaneous sites in....530
Escambia River near Century, Fla....120, 121
Escatawpa River near Agricola, Miss 438, 439
Escherichia coli, definition of 28
Estimated (E) value, definition of....28
Eufaula, Chattahoochee River at Coast Guard Dock at 77
Euglenoids, definition of 28
Eutaw, Black Warrior River
at Selden Lock and Dam near 403, 404

Page

Eutaw (continued)
Black Warrior River below Selden Lock and Dam near 405
Evergreen, Murder Creek near. 110, 111
Explanation of records 9-20
Extractable organic halides, definition of 28

Fagan Creek at Adams Street at Huntsville 489
Fairview, Crooked Creek near 443-445
Juniper Creek at Glenwood Road, near 527
Farley, Aldridge Creek near 487
Fecal coliform bacteria, definition of 28
Fecal streptococcal bacteria, definition of. 28
Filtered, definition of 28
Filtered-Recoverable, definition of 29
Fire algae, definition of 29
Fish River basin, gaging station records in. 126-129
water-quality miscellaneous sites in 531
Fish River near Silver Hill 128, 129
Fivemile Creek at Fivemile Road near Huffman 502-506
at Lawson Road near Tarrant City 507-511
at Lewisburg 522-524
at Ketona 323-329
at Tarrant City 514-518
at Tarrant Park near Tarrant City 512, 513
below Prudes Creek near Graysville 343-350
below Springdale Road near Tarrant 519-521
near Republic 330-342
Flint River at Brownsboro 463-467
Flood-hydrograph stations 484-498
Tennessee River basin 484-498
Florence, Tennessee River at 476, 477
Flow-duration percentiles, definition of 29
Foley, Magnolia River at U.S. Highway 98 near 126, 127
Fort Gaines, GA, Walter F. George Lake near 80
Fort Payne, Big Wills Creek at State Highway 35 near 141, 142
West Fork Little River at Desoto State Park near 132, 133
Fort Mitchell, Uchee Creek near 73, 74
Fowl River at Halfmile Road near Laurendine 427-430

Gadsden, Coosa River at. 140
at Gadsden Steamplant near 139
Gage datum, definition of 29
Gage height, definition of 29
Gage values, definition of 29
Gaging stations, definition of 29
Gainesville, Tombigbee River at Heflin Lock
and Dam near 285, 286
Garden City, Mulberry Fork near 294, 295
Gas chromatography, definition of 29
Gaylesville, Chattooga River above 130, 131
Geiger, Bodka Creek near 289, 290
Noxubee River near 287, 288
Geneva, Choctawhatchee River near 87
Geomorphic channel units, definition of 29
Georgetwon, Juniper Creek at Jack Williams Road near 525
Grayson, Sipsey Fork near 298, 299
Graysville, Fivemile Creek below Prudes Creek near 343-350
Green algae, definition of 29
Greenwood, Shades Creek near 252, 253
Ground-water records. 545-556
Montgomery County
Mtg-3 54

Ground-water records (continued)
Tuscaloosa County
TW-5 546
Ground-water records, explanation of 20-23
Guntersville Lake 480

H. Neely Henry Reservoir 432
Habitat, definition of 29
Habitat quality index, definition of 29
Hackneyville, Hillabee Creek near 175, 176
Hamilton, Buttahatchee River below 271, 272
Hamilton Creek at Snow Road near Semmes 446-450
Hardness, definition of 29
Harris Creek near Campbell 499
Harris Reservoir. 435
Hatchet Creek below Rockford 157, 158
Heflin, Tallapoosa River near 164, 165
Helena, Cahaba River near 248, 249
Hester Creek near Plevna 458-462
High tide, definition of 29
Hillabee Creek near Hackneyville 175, 176
Hilsenhoff's Biotic index, definition of 30
Holt, Black Warrior River at Holt Lock and Dam near 386, 387
Black Warrior River below Holt Lock and Dam near 388
Homewood near, Shades Creek 250, 251
Hoover, Cahaba River near 233-240
Horizontal datum, definition of 30
Huffman, Fivemile Creek at Fivemile Road near 502-506
Huntsville, Aldridge Creek at Sherwood Drive near 486
Aldridge Creek at Toney Drive at 485
Big Cove Creek at Dug Hill Road at 484
Broglan Branch at 496
Broglan Branch at Oakwood Avenue at 495
Dallas Branch at 493
East Fork Pinhook Creek at Winchester Road at 491
Fagan Creek at Adams Street at 489
Huntsville Springs Branch near 497
Martin Hollow near 499
McDonald Creek near 498
Pinhook Creek at 494
Pinhook Creek at Mastin Lake Road at 492
West Fork Pinhook Creek at Blue Springs Road at 490
Huntsville Spring Branch near Huntsville 497
Hydrologic index station, definition of 30
Hydrologic unit, definition of 30

Index 595-601
Inch, definition of 30
Indian Creek (tributary to Tennessee River)
near Madison 480
Instantaneous discharge, definition of 30
International Boundary Commission Survey Datum, definition of 30
Introduction 1
Island, definition of 30

J.B. Converse Reservoir (Hamilton Creek)
near Semmes 451-453
near Spillway near Semmes 528
Jones, Mulberry Creek at 198, 199
Jordan Lake. 434
Juniper Creek at Jack Williams Road near Georgetown 525
at Coleman Dairy Road near Wilmer 526

Page

Juniper Creek (continued)
at Glenwood Road near Fairview 527

Kelly Creek (tributary to Coosa River) near Vincent..... 151, 152
Ketona, Fivemile Creek at 323, 329
Kushla, Chickasaw Creek near 425, 426

Laboratory Reporting Level, definition of..... 30
Lake Martin..... 436
Lakes and reservoirs:
Guntersville Lake 480
H. Neely Henry Reservoir 432
Harris Reservoir 435
Jordan Lake 434
Lake Martin 436
Lay Lake. 434
Lewis Smith Reservoir. 437
Logan Martin Reservoir 433
Mitchell Lake. 434
Walter F. George Lake 80
Weiss Lake. 431
West Point Lake..... 79
Wheeler Lake..... 481
Wilson Lake 482
Lake Tuscaloosa near Tuscaloosa..... 395
Land surface datum, definition of 30
Latent heat flux, definition of 30
Laurendine, Fowl River at Halfmile Road near..... 427-430
Lay Lake..... 434
Leeds, Little Cahaba River below..... 211-218
Little Cahaba River near 219, 226
Leesburg, Coosa River at..... 131
Leroy, Tombigbee River near..... 420
Lewis Smith Reservoir..... 437
Lewisburg, Fivemile Creek at 519-521
Light-attenuation coefficient, definition of..... 30
Limestone Creek near Athens..... 471, 472
Lincoln, Choccolocco Creek at Jackson Shoals near 149, 150
Lipid, definition of 30
List of active and discontinued continuous-record
surface-water discharge stations 558-564
surface-water-quality stations 566, 567
surface-water stage stations 565
and miscellaneous surface-water-quality stations 568-593
Little Cahaba River at Cahaba Bch. Rd, nr. Cahaba Heights .227-230
below Leeds..... 211-218
near Leeds..... 219-226
Little Double Bridges Creek near Enterprise 88, 89
Little River (tributary to Coosa River) near Blue Pond 134, 135
Little Tallapoosa River below Bowdon, Ga..... 166, 167
near Newell 168, 169
Livingston, Sucarnoochee River at..... 409, 410
Loachapoka, Soughatchee Creek near..... 177, 178
Locust Fork at Sayre. 321, 322
at Warrior 309, 310
near Cleveland..... 307, 308
Logan Martin Reservoir 433
Long-Term Method Detection Level, definition of..... 30
Lost Creek above Parrish..... 305, 306
Low tide, definition of..... 30
Luxapallila Creek at Millport 273, 274

Page

Macrophytes, definition of..... 31
Madison, Indian Creek near. 488
Magnolia River at U.S. Highway 98 near Foley..... 126, 127
Manchester, Blackwater Creek near 302, 303
Map showing location of surface-water stations
in Alabama River basin..... 54
in Apalachicola, Choctawhatchee, Yellow, and Blackwater
River basins 50
in Black Warrior River basin..... 59
in Cahaba River basin..... 55
in Coosa River basin 52
in Escambia, Perdido, and Fish River basins..... 51
in Escatawpa River basin..... 62
in Locust Fork River basin..... 58
in Lower Tennessee River basin..... 65
in Lower Tombigbee River basin..... 60
in Middle Tennessee River basin 64
in Mobile River basin..... 61
in Mulberry Fork River basin 57
in Tallapoosa River basin..... 53
in Upper Tennessee River basin..... 63
in Upper Tombigbee River basin..... 56
of observation wells..... 66
of water-quality precipitation site..... 67
Marion Junction, Cahaba River near 259, 260
Precipitation Station near 557
Martin Hollow near Huntsville 499
McDonald Creek near Huntsville 497
McKenzie, Sepulga River near 105, 106
McVille, Scarham Creek near..... 454, 455
Mean concentration of suspended sediment, definition of 31
Mean discharge, definition of..... 31
Mean high or low tide, definition of 31
Mean sea level, definition of 31
Measuring point, definition of..... 31
MegaHertz, definition of..... 31
Membrane filter, definition of 31
Memphis, Bogue Chitto Creek near 277-281
Metamorphic stage, definition of..... 31
Method Code, definition of..... 31
Method of Cubatures, definition of..... 31
Method Detection Limit, definition of 31
Methylene blue active substances, definition of 31
Micrograms per gram, definition of 31
Micrograms per kilogram, definition of..... 31
Micrograms per liter, definition of. 31
MicroSiemens per centimeter, definition of 31
Milligrams per liter, definition of 31
Millport, Luxapallila Creek at 273, 274
Milstead, Tallapoosa River at 185
Minimum Reporting Level, definition of 32
Miscellaneous sites, definition of 32
Mitchell Lake..... 434
Mobile River at Bucks..... 499
at river mile 31.0 at Bucks..... 423, 424
Mobile River basin, crest-stage partial-record stations in..... 499
discharge measurements at miscellaneous sites in..... 500
gaging station records in 73-430
reservoirs in..... 431-437
water-quality miscellaneous sites in..... 531-543
water-quality partial-record stations in 501-524
Monroeville, Alabama River at Claiborne
Lock and Dam near 264-265
Alabama River below Claiborne Lock and Dam near 266
Montgomery, Alabama River at 189

Page

Montgomery (continued)
Alabama River near 190-194
Catoma Creek near 195-196
Tallapoosa River near. 186-188
Morris, Turkey Creek at 319, 320
Most probable number, definition of 32
Moundville, Elliotts Creek at 401, 402
Mountain Brook, Cahaba River near 209, 210
Mulberry Creek at Jones 198, 199
Mulberry Fork at Cordova 304
near Arkadelphia 296, 297
near Garden City 294, 295
Multiple-plate samples, definition of 32
Murder Creek at Brewton 112-114
near Evergreen 110, 111

Nanafalia, Tombigbee River near. 411
Nanograms per liter, definition of 32
National Geodetic Vertical Datum of 1929, definition of 32
Natural substrate, definition of 32
Nekton, definition of 32
Nonfilterable 32
New Site, Tallapoosa River near 173, 174
Newell, Little Tallapoosa River near 168, 169
Newton, Choctawhatchee River near 81-83
North American Datum of 1927, definition of 32
North American Datum of 1983, definition of 32
North American Vertical Datum 1988 (NGVD 1988),
definition of 32
North River near Samantha 389, 390
Northport, Black Warrior River at
Oliver Lock and Dam at 396, 397
Noxubee River near Geiger 287-288
Numbering system for wells and miscellaneous sites 8

Oak Grove, Valley Creek near 381, 382
Open or screened interval, definition of 32
Organic carbon, definition of 32
Organic mass, definition of 32
Organism count/area, definition of 32
Organism count/volume, definition of 32
Organochlorine compounds, definition of 32
Orrville, Bogue Chitto Creek near 500

Paint Rock River near Woodville. 456, 457
Parameter Code, definition of 33
Parrish, Lost Creek above 305, 306
Partial-record station, definition of 33
Particle size, definition of 33
Particle-size classification, definition of 33
Pascagoula River basin, discharge measurements at
gaging-station records in 438-453
water-quality miscellaneous sites in 543
water-quality partial-record stations in 525-528
Patsaliga Creek near Brantley 99, 100
Pea River at Elba 92
near Ariton 90, 91
near Samson 93, 94
Peak flow (peak stage), definition of 33
Pelham, Cahaba Valley Creek at Cross Creek Road at 243-247
Percent composition (percent of total), definition of 33
Percent shading, definition of 33
Perdido River at Barrineau Park, Fla. 122, 123
Perdido River basin, gaging-station records in 122-125
water-quality miscellaneous sites in 531
Periodic-record station, definition of 33
Periphyton, definition of 33
Pesticides, definition of 33
pH, definition of 33
Phytoplankton, definition of 33
Pickensville, Tombigbee River
at Bevill Lock and Dam near 275, 276
Picocurie, definition of 34
Pine Barren Creek near Snow Hill 261, 262
Pinhook Creek at Huntsville 494
at Mastin Lake Road at Huntsville 492
Pinson, Turkey Creek at Sewage Plant near 311-318
Plankton, definition of 34
Plevna, Hester Creek near 458-462
Polychlorinated biphenysis, definition of 34
Polychlorinated naphthalenes, definition of 34
Pool, definition of 34
Popular Spring, Clear Creek at New Hope Church near 300, 301
Pratt City, Village Creek near 355, 356
Precipitation quality records, explanation of 22
Precipitation station near Marion Junction 557
Primary productivity, definition of 34
Primary productivity (carbon method), definition of 34
Primary productivity (oxygen method), definition of 34

Radioisotopes, definition of 34
Reach, definition of 34
Recoverable from bed (bottom) material, definition of 34
Recurrence interval, definition of 34
Reece City, Big Wills Creek near 143, 144
Republic, Fivemile Creek near. 330-342
Replicate samples, definition of 35
Reservoirs: See Lakes and reservoirs
Return period, definition of 35
Riffle, definition of 35
River Falls, Conecuh River at 104
Conecuh River at Point A Dam at 101-103
River mileage, definition of 35
Rockford, Hatchet Creek below 157, 158
Roebuck, Village Creek at 86th Street North at 351, 352
Run, definition of 35
Runoff, definition of. 35

Salinity, definition of 35
Samantha, Binion Creek below Gin Creek near 393, 394
North River near 389, 390
Samson, Pea River near 93, 94
Satilpa Creek near Coffeeville 418, 419
Sayre, Locust Fork at. 322, 323
Scarham Creek near McVille 454, 455
Sea level, definition of 35
Sediment, definition of 35
Selma, Alabama River at 200
Semmes, Hamilton Creek at Snow Road near 446-450
J.B. Converse Reservoir (Hamilton Creek) near 451-453
J.B. Converse Reservoir near Spillway near 528
Sensible heat flux, definition of 35
Sepulga River near McKenzie 105, 106
Seven-day 10-year low flow, definition of 35

Page

Shades Creek near Greenwood....252, 253
near Homewood....250, 251
Shelves, definition of....35
Silver Hill, Fish River near....128, 129
Sipsey Fork near Grayson....298, 299
Sipsey River near Elrod....283, 284
Smithsonia, Tennessee River at....478, 479
Snow Hill, Pine Barren Creek near....261, 262
Sodium adsorption ratio, definition of....35
Soil heat flux, definition of....35
Soil water content, definition of....36
Soughatchee Creek near Loachapoka....177, 178
South Fork Cowikee Creek near Batesville....75, 76
Special networks and programs....8
Specific electrical conductance, definition of....36
Stable isotope ratio, definition of....36
Stage, definition of....36
Stage and water-discharge records, explanation of....9-14
Stage-discharge relation, definition of....36
Stanley Crossroads, Big Escambia Creek
at Sardine Bridge near....118, 119
Streamflow, definition of....36
Styx River near Elsanor....124, 125
Substrate, definition of....36
Substrate Embeddedness Class, definition of....36
Sucarnoochee River at Livingston....409, 410
Summary of hydrologic conditions....3, 4
Surface area of a lake, definition of....36
Surface Water Quality Records, explanation of....15-19
Surficial bed material, definition of....36
Surrogate, definition of....36
Suspended, definition of....36
Suspended recoverable, definition of....36
Suspended sediment, definition of....36
Suspended-sediment concentration, definition of....36
Suspended-sediment discharge, definition of....36
Suspended-sediment load, definition of....37
Suspended total, definition of....37
Suspended solids, total residue, definition of....37
Suttle, Cahaba River near....257, 258
Synoptic studies, definition of....37
Talladega Creek at Alpine....153, 154
Tallapoosa, Ga., Tallapoosa River below....162, 163
Tallapoosa River at Wadley....170-172
at Milstead....185
at Sturdivant....501
below Tallapoosa, Ga....162, 163
below Tallassee....179, 180
near Heflin....164, 165
near Montgomery....186-188
near New Site....173, 174
Tallassee, Tallapoosa River below....179, 180
Tallasseehatchee Creek near Childersburg....500
Tarrant, Fivemile Creek below Springdale Road at....519-521
Fivemile Creek at Tarrant Park at....512, 513
Tarrant City, Fivemile Creek at....514-518
Fivemile Creek at Lawson Road at....507-511
Taxa richness, definition of....37
Taxonomy, definition of....37
Techniques of Water Resources and Investigations of USGS....41-45
Tennessee River at Decatur....473
at Florence....476, 477
at Smithsonia....478, 479
at Whitesburg....468-470
Tennessee River basin, crest-stage partial record stations....499

Page

Tennessee River basin (continued)
flood-hydrograph partial-record stations in....483-498
gaging-station records in....454-479
reservoirs in....480-482
water-quality miscellaneous sites in....544
Terms, definition of....24-40
Terrapin Creek at Ellisville....137, 138
Thalweg, definition of....37
Thermograph, definition of....37
Thomasville, Bassett Creek at U.S. Highway 43 near....421, 422
Time-weighted average, definition of....37
Tombigbee River at Bevill Lock and Dam
near Pickensville....275, 276
at Coffeeville Lock and Dam near Coffeeville....412, 413
at Demopolis Lock and Dam near Coatopa....406, 407
at Heflin Lock and Dam near Gainesville....285, 286
below Coffeeville Lock and Dam near Coffeeville....414-417
below Demopolis Lock and Dam near Coatopa....408
near Cochrane....282
near Leroy....420
near Nanafalia....411
Tons per acre-foot, definition of....37
Tons per day, definition of....37
Total, definition of....37
Total coliform bacteria, definition of....38
Total discharge, definition of....38
Total in bottom material, definition of....38
Total length, definition of....38
Total load, definition of....38
Total organism count, definition of....38
Total recoverable, definition of....38
Total-sediment discharge, definition of....38
Total-sediment load, definition of....38
Transect, definition of....38
Trussville, Cahaba River at....201-208
Turbidity, definition of....38
Turkey Creek (tributary to Locust Fork) at Morris....319, 320
at Sewage Plant near Pinson....311-318
Turkey Creek (tributary to North River)
near Tuscaloosa....391, 392
Tuscaloosa, Black Warrior River below
Oliver Lock and Dam at....398
Cribbs Mill Creek at Wastewater Plant at....399, 400
Lake Tuscaloosa near....395
Turkey Creek near....391, 392
Tuskegee, Uphapee Creek near....183, 184

Uchee Creek near Fort Mitchell....73, 74
Ultraviolet (UV) absorbance, definition of....39
Unconfined aquifer, definition of....39
Unfiltered, definition of....39
Unfiltered Recoverable, definition of....39
Uphapee Creek near Tuskegee....183, 184

Valley Creek at Center Street at Birmingham....375, 376
below Bessemer....379, 380
near Bessemer....377, 378
near Oak Grove....381, 382
Vertical datum, definition of....39
Village Creek at Apalachee Street at Birmingham....353, 354
at Ave. W at Ensley....357-364
at 24th Street at Birmingham....355, 356

Page

Village Creek (continued)
at 86th Street North at Roebuck....351, 352
near Docena.... 367-374
near Pratt City....365, 366
Vincent, Kelly Creek near....151, 152
Volatile organic compounds, definition of....39

Wadley, Tallapoosa River at.... 170-172
Walter F. George Lake....80
Warrior, Locust Fork at....309, 310
Water discharge and stage records, explanation of....9
of samples collected at.... 529-544
Water-quality partial-record stations,
analyses of samples collected at.... 501-528
Water-quality records, explanation of....14, 15
Water-table, definition of....39
Water-table aquifer, definition of....39
Water year, definition of....40
Watershed, defintion of....40
WDR, definition of....40
Weighted average, definition of....40
Weiss Lake....431

Page

West Fork Little River at Desoto State Park
near Fort Payne.... 132, 133
West Fork Pinhook Creek at Blue Springs Road
at Huntsville.... 490
West Point, Ga., Chattahoochee River at.... 69, 70
West Point Lake.... 79
Wet mass, definition of.... 40
Wet weight, definition of.... 40
Wetumpka, Coosa River at.... 161
Coosa River at Jordan Dam near.... 159, 160
Wheeler Lake.... 481
Whitesburg, Tennessee River at....468-470
Wilmer, Big Creek at County Road 63 near....440-442
Juniper Creek at Coleman Dairy Road near.... 526
Wilson Lake.... 482
Wilsonville, Coosa River at Gaston Steamplant near.... 156
Woodville, Paint Rock River near.... 456, 457
WSP, definition of.... 40

Zooplankton, definition of.... 40

Conversion Factors

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter (mm)
	2.54×10^{-2}	meter (m)
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^{0}	kilometer (km)
	Area	
acre	4.047×10^{3}	square meter (m^2)
	4.047×10^{-1}	square hectometer (hm^2)
	4.047×10^{-3}	square kilometer (km^2)
square mile (mi^2)	2.590×10^{0}	square kilometer (km^2)
	Volume	
gallon (gal)	3.785×10^{0}	liter (L)
	3.785×10^{-3}	cubic meter (m^3)
	3.785×10^{0}	cubic decimeter (dm^3)
million gallons (Mgal)	3.785×10^{3}	cubic meter (m^3)
	3.785×10^{-3}	cubic hectometer (hm^3)
cubic foot (ft^3)	2.832×10^{-2}	cubic meter (m^3)
	2.832×10^{1}	cubic decimeter (dm^3)
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter (m^3)
	2.447×10^{-3}	cubic hectometer (hm^3)
acre-foot (acre-ft)	1.233×10^{3}	cubic meter (m^3)
	1.233×10^{-3}	cubic hectometer (hm^3)
	1.233×10^{-6}	cubic kilometer (km^3)
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second (L/s)
	2.832×10^{-2}	cubic meter per second (m^3/s)
	2.832×10^{1}	cubic decimeter per second (dm^3/s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m^3/s)
	6.309×10^{-2}	cubic decimeter per second (dm^3/s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second (m^3/s)
	4.381×10^{1}	cubic decimeter per second (dm^3/s)
	Mass	
ton (short)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (° C) may be converted to degrees Fahrenheit (°F) as follows:

°F = (1.8 x °C) + 32

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