

SUMMARY OF DATA COLLECTED FOR THE DEMONSTRATION EROSION
CONTROL PROJECT IN THE YAZOO RIVER BASIN, NORTH-CENTRAL
MISSISSIPPI, OCTOBER 1997 - SEPTEMBER 1998

By Michael S. Runner

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**U.S. DEPARTMENT OF THE INTERIOR
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**U.S. GEOLOGICAL SURVEY
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**For additional information
write to:**

**District Chief
U.S. Geological Survey
308 South Airport Road
Pearl, MS 39208-6649**

**Copies of this report can be
purchased from:**

**U.S. Geological Survey
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CONVERSION FACTORS

For use of readers who prefer to use units other than those used in this report, the following conversion factors may be used:

Multiply	By	To obtain
inch (in.)	25.4	millimeter (mm)
square mile (mi ²)	2.59	square kilometer (km ²)
square mile (mi ²)	640	acre
cubic foot (ft ³)	0.02832	cubic meter (m ³)
cubic foot per second (ft ³ /s)	0.02832	cubic meter per second (m ³ /s)
pound (lb) mass	453.6	gram (g)
pound per gallon (lb/gal)	119,800	milligram per liter (mg/L)
gallon (gal)	3.785	liter (L)

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ABSTRACT

During the 1998 water year, the U.S. Geological Survey collected data at 17 stations as part of the Demonstration Erosion Control project in north-central Mississippi. The stations were equipped with electronic data-collection platforms that recorded and transmitted stage, precipitation (where applicable), and battery voltage. Data collected or computed included continuous stage and discharge at all 17 stations. Continuous-sediment data were collected at 4 of the 17 stations for the entire water year, and at 4 other stations for part of the water year. One-hundred twenty-seven discharge measurements were made and more than 990 sediment samples were collected. These data are collected to monitor the effects of remediation and stabilization projects in the upper Yazoo River Basin.

INTRODUCTION

In 1984, Congress directed the U.S. Army Corps of Engineers (COE) and the U.S. Department of Agriculture, Soil Conservation Service, now the Natural Resources Conservation Service (NRCS), to establish demonstration watersheds for the purpose of studying erosion and sedimentation in agricultural watersheds. One of the selected studies, the Demonstration Erosion Control (DEC) project, is located in the upper Yazoo River Basin in north-central Mississippi (fig. 1). The project is an ongoing, multi-agency effort for the planning, construction, and evaluation of projects to alleviate erosion, sedimentation, and flooding problems in the Bluff Hills that border the Mississippi River alluvial plain.

In 1985, the U.S. Geological Survey (USGS) started collecting sediment and water-quality data for the Yazoo River Basin DEC project at the request of the Interagency Task Force on the Yazoo Basin Foothills Erosion and Flood Control. Since inception of the project, the type of data collected, the collection methods, and the number and location of the data-collection sites have changed in accordance with the needs and requests of the cooperating agencies (Runner and Roberts, 1998). Data have been published annually since 1989 by the USGS in the report, "Water Resources Data for Mississippi." The data are also available in the USGS National Water Information System (NWIS).

The purpose of this report is to summarize the data collected by the USGS for the DEC project during the period October 1997 through September 1998.

DESCRIPTION OF STUDY AREA

The DEC project study area is located in the upper Yazoo River Basin in north-central Mississippi (fig. 1). This geographical area consists primarily of agricultural and forested lands. Problems associated with flooding, stream erosion, and soil loss from agricultural lands are common to the region. Extensive

channel-restoration projects, flood-control ponds, and field-level sediment- and discharge-control structures are present in the study area.

DATA COLLECTION

For the 1998 water year (October 1, 1997 – September 30, 1998), four new data-collection stations were established, five stations were converted from continuous-sediment to discharge-only, and one sediment station was discontinued entirely. Water-level recorders were operated at all continuous-record stations in the DEC project to provide a continuous record of river stage. Discharge measurements were made by USGS personnel during routine field trips and during storm events in order to establish and maintain the stage-discharge relation at each station. Sediment samples were collected by USGS personnel and by gage observers (local residents under contract with the USGS). These data were used to establish suspended-sediment concentration curves for each sediment station and, in conjunction with the discharge record, compute the sediment discharge. During the 1998 water year, the USGS collected data at 17 continuous-record stations in eight drainage basins in the DEC project (table 1). The total drainage area upstream of the USGS sampling sites is 992 square miles. Of this area, 504 square miles is upstream of continuous sediment stations.

Equipment

For the computation of continuous discharge and sediment record, it was necessary to collect accurate continuous-stage data. Stage-measuring equipment consisted primarily of nitrogen-bubbler systems, with two stations using stilling wells. The primary stage recorders were electronic data-collection platforms (DCP's). In addition to the stage data, the DCP's recorded rainfall data and battery voltage. The stage-recording equipment was housed in shelters located on the stream bank where possible, or on the downstream side of a bridge. Data recorders were powered by 12-volt batteries recharged by solar panels or by A/C power where available. The recorded data were transmitted via satellite to the USGS District office (Pearl, Mississippi) and stored in the District computer system.

Discharge measurements were made using standard USGS Price AA or Pygmy current meters. Discharge measurements were made either by wading the stream or by suspending the meter with a weight on a cable from a bridge. Due to the deteriorated condition of the bridge at Harland Creek near Howard, a bank-operated cableway was installed to facilitate high-flow data collection. The collection, computation, and analysis of stage and discharge data were done in accordance to procedures described in U.S. Geological Survey technical publications (Rantz and others, 1982a,b).

Suspended-sediment samples were collected manually by USGS personnel and station observers. The equipment used for manual sediment sampling was obtained through the Federal Interagency Sedimentation Project (FISP) in Vicksburg, Miss. Depending upon stream conditions, one of several depth-integrated sediment samplers was used to collect suspended-sediment samples (Guy and Norman, 1970). Low-flow conditions generally allowed for wading of the stream for measurement and sampling purposes. Under these conditions, samples were taken with a DH-48 depth-integrating, suspended-sediment sampler attached to a hand-held rod. When stream-flow conditions prohibited the wading of a stream, a DH-59 suspended-sediment sampler on a rope, lowered by hand from a bridge, or a D-74 sampler on a truck-mounted power rig was used. For depths greater than 15 feet, a P-61 point sampler was used. At Harland Creek near Howard, a bank-operated cableway system and a D-74 sampler was used to collect samples when wading was not possible. Station observers collected samples using a DH-48 hand sampler, a DH-59 rope sampler, or a D-74 mounted to the bridge. (The use of PS-69 automatic samplers to collect sediment samples at high flows was suspended at the end of the 1997 water year).

Sampling Program

Suspended-sediment samples were collected at eight data-collection stations at some time during the water year: four stations for the entire water year, and at four other stations for part of the water year. At each station, samples were collected by USGS personnel and station observers. At the end of the 1997 water year, sediment-data collection was discontinued at three of the stations: Hotopha Creek near Batesville, Otoucalofa Creek near Water Valley, and Peters Creek near Pope. These stations collected discharge data during the 1998 water year. All data collection (sediment and discharge) was discontinued

at Batupan Bogue near Grenada at the end of the 1997 water year. Four gages were constructed during the 1998 water year: Yalobusha River at Vardaman (discharge), Yalobusha River near Derma (sediment and discharge), Topashaw Creek near Hoenlinden (discharge), and Topashaw Creek near Derma (sediment and discharge). The collection of sediment data at Yalobusha River near Calhoun City and Topashaw Creek near Calhoun City was discontinued during the water year in favor of the Derma stations. Yalobusha River near Calhoun City and Topashaw Creek near Calhoun City are still operated as discharge stations, although not as part of the DEC project.

Station observers were employed to collect sediment samples, note stage, and measure water temperature three times each week. The observers collected a two-bottle, single-vertical, depth-integrated sample at a predetermined location in the cross section, typically in the center of flow. The observers also collected samples at high stages to assist in the computation of sediment loads during storm events. On well mixed streams, single-vertical samples are generally representative of the entire cross section and the coefficient nears 1.0 (Vanoni, 1977).

USGS personnel visited each station monthly for sampling, gage maintenance, and to measure flow. Stations affected by stream work such as bank stabilization or channelization in the reach near a gage, or by backwater from lakes or other streams, were measured more often to assist in the discharge analysis. Stations were also visited during storm events to collect samples to determine high-flow concentrations. USGS personnel used the equal-width increment (EWI), depth-integrated sampling methods to obtain samples representative of the average suspended-sediment concentration in a transect of a stream. Due to the uneven distribution of suspended-sediment concentrations in a stream cross section, it was necessary to establish correction coefficients to apply to the samples collected by observers. To replicate the observer samples and establish correction coefficients, a two-bottle, single-vertical sample was collected concurrent with an EWI sample. Correction coefficients were applied to concentrations of the single-vertical samples adjusting them to the average concentration for the stream cross section.

During the 1998 water year, the USGS made 127 stream-discharge measurements, and collected more than 990 sediment samples (table 2). Of these sediment samples, approximately 870 were collected by station observers, and 120 were collected by USGS personnel. No bed-material or water-quality samples were collected, and no field parameter (temperature, pH, conductivity, dissolved oxygen) measurements were made.

Suspended-sediment samples were analyzed at the USGS sediment laboratory located in Baton Rouge, La.

DATA SUMMARY

Discharge measurements were used to develop and maintain stage-discharge ratings for computation of continuous discharge at each station. Results from the analysis of suspended-sediment samples were used to compute continuous-sediment concentration. The suspended-sediment concentration data were used in conjunction with the continuous-discharge data to compute the suspended-sediment discharge for each station. Daily mean values for discharge, suspended-sediment concentration, and suspended-sediment discharge are published in the USGS publication "Water Resources Data, Mississippi, Water Year 1998" (Plunkett and others, 1999). Values for the annual extremes for instantaneous stream discharge and suspended-sediment concentration, and daily values for suspended-sediment concentration and suspended-sediment discharge are summarized in tables 3 and 4, respectively. Monthly-mean stream discharge, monthly mean suspended-sediment concentration, and monthly suspended-sediment discharge for the 1998 water year, as well the median and mean values for the same parameters for the period of record for the 1998-operated continuous-sediment stations, are shown in figures 2-5. The values for the Yalobusha River near Calhoun City and Topashaw Creek near Calhoun City are shown for the period of record (October 1996 – December 1997) in figures 6 and 7.

APPLICATIONS FOR DATA

The results from the USGS sediment and water-quality sampling program are stored in the USGS databases. Data will be used in conjunction with historical data to evaluate the effects of completed and ongoing remediation in the upper Yazoo River Basin. Discharge data from the DEC sites are also used in conjunction with the USGS stream-gage network to improve our understanding of flood, flow-duration, and low-flow characteristics of Mississippi streams.

SUMMARY

Since July 1985, the U.S. Geological Survey has sampled sediment and water quality at sites in the upper Yazoo River Basin. During the 1998 water year, data collected or computed included continuous stage and discharge at 17 stations, continuous sediment at 4 of the 17 stations for the entire water year and at 4 of the 17 stations for part of the water year. Sediment samples were collected manually by USGS personnel and station observers.

One hundred and twenty-seven stream-discharge measurements were made to develop and maintain stage-discharge ratings for the computation of continuous discharge. More than 990 sediment samples were collected during the 1998 water year for the computation of continuous suspended-sediment concentration and discharge. Data from this program are used to monitor the effects of sediment, erosion, and flood-control measures implemented in the region. A yearly compilation of the sediment, discharge, and water-quality data collected on all the DEC sites is published by the USGS in the report "Water Resources Data, Mississippi, Water Year 1998."

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Table 1. Data-collection stations for the Demonstration Erosion Control Project, 1985 - 98
[D.A., drainage area; mi², square miles]

Drainage basin	Data-collection station (map ID no. on fig. 1)	D.A. (mi ²)	Period of Record	Data collected 1998 WY
Hotopha Creek	Hotopha Cr. nr Batesville (1)	35.1	March 1986 - present	Stage and discharge
Otoulalofa Creek	Otoulalofa Cr. nr Paris (2)	8.28	Feb. 1988 - present	None
Otoulalofa Creek	Otoulalofa Cr. at Paris (3)	21.0	Feb. 1988 - present	None
Otoulalofa Creek	Otoulalofa Cr. E. of Water Valley (4)	46.5	Feb. 1988 - present	None
Otoulalofa Creek	Otoulalofa Cr. E-SE of Water Valley (5)	74.0	Feb. 1988 - present	None
Otoulalofa Creek	Town Cr. at Water Valley (6)	2.25	Dec. 1984 - present	Stage and discharge
Otoulalofa Creek	Otoulalofa Cr. nr. Water Valley (7)	97.1	June 1985 - present	Stage and discharge
Peters Creek	Peters (Long) Cr. nr Pope (8)	79.2	Dec. 1986 - present	Stage and discharge
Hickahala Creek	Hickahala Cr. nr Independence (9)	25.3	Feb. 1988 - present	None
Hickahala Creek	Hickahala Cr. nr Looxahoma (10)	44.6	Feb. 1988 - present	None
Hickahala Creek	James Wolf Cr. nr Looxahoma (11)	35.2	Feb. 1988 - present	None
Hickahala Creek	Hickahala Cr. nr Senatobia (12)	121	Jan. 1986 - present	Stage, discharge, and sediment
Hickahala Creek	Senatobia Cr. nr Como (13)	20.4	Feb. 1988 - present	None
Hickahala Creek	Senatobia Cr. nr Senatobia (14)	82.0	Feb. 1986 - present	Stage and discharge
Yalobusha River	Yalobusha R. at Vardaman (15)	86.3	May 1998 - present	Stage and discharge
Yalobusha River	Yalobusha R. nr. Derma (16)	160	May 1998 - present	Stage, discharge, and sediment
Yalobusha River	Yalobusha R. nr Calhoun City (17)	305	Oct 1996 - Jan. 1998	Stage, discharge, and sediment
Yalobusha River	Topashaw Cr. nr Hoenlinden (18)	42.1	May 1998 - present	Stage and discharge
Yalobusha River	Topashaw Cr. nr Derma (19)	63.3	May 1998 - present	Stage, discharge, and sediment
Yalobusha River	Topashaw Cr. nr Calhoun City (20)	*	Oct 1996 - Jan. 1998	Stage, discharge, and sediment
Batupan Bogue	Batupan Bogue at Grenada (21)	254	June 1985 - Sept. 1997	None
Abiaca Creek	Abiaca Cr. nr Coila (22)		Oct. 1991 - present	None
Abiaca Creek	Abiaca Cr. nr Black Hawk (23)	10.7	Oct. 1991 - present	None
Abiaca Creek	Abiaca Cr. at Black Hawk (24)	28.3	Oct. 1991 - present	None
Abiaca Creek	Coila Cr. at Seven Pines (25)	39.8	Oct. 1991 - present	None
Abiaca Creek	Abiaca Cr. nr Seven Pines (26)	97.2	Oct. 1991 - present	Stage, discharge and sediment
Abiaca Creek	Abiaca Cr. at Cruger (27)	97.7	Oct. 1991 - present	Stage, discharge and sediment
Black Creek	Fannegusha Cr. nr Ituma (28)	39.8	Feb. 1988 - present	None
Black Creek	Fannegusha Cr. nr Howard (29)	107	Mar. 1987 - present	Stage and discharge
Black Creek	Black Cr. at Bowling Green (30)	28.2	Feb. 1988 - present	None
Black Creek	Black Cr. at Lexington (31)	88.1	Feb 1987 - present	Stage and discharge
Black Creek	Harland Cr. Nr Howard (32)	62.1	Nov. 1986 - present	Stage, discharge and sediment
Black Creek	Black Cr. At Howard (33)	178	Feb 1988 - present	None

*Drainage area combined with Yalobusha River for data compilation and statistical analyses.

Table 2.—Data collected for the Demonstration Erosion Control project, October 1997-September 1998

Station	Number of Discharge Measurements	Number of Suspended-sediment samples
Hickahala Creek near Senatobia	13	228
Yalobusha River near Derma	11	74
Yalobusha River near Calhoun City	6	53
Topashaw Creek near Derma	7	67
Topashaw Creek near Calhoun City	6	52
Abiaca Creek near Seven Pines	11	211
Abiaca Creek near Cruger	12	115
Harland Creek near Howard	10	190
Hotopha Creek near Batesville	6	0
Town Creek at Water Valley	6	0
Otocalofa Creek near Water Valley	6	0
Peters (Long) Creek near Pope	6	0
Senatobia Creek near Senatobia	7	0
Yalobusha River at Vardaman	4	0
Topashaw Creek near Hoenlinden	3	0
Fannegusha Creek near Howard	6	0
Black Creek at Lexington	7	0

Table 3.—Maximum and minimum instantaneous values for the Demonstration Erosion Control project, October 1997 – September 1998 (Plunkett and others, 1999) [‘---’ = no extreme values computed; N/A = no sediment data collected at station]

Station	Stream discharge cubic feet per second		Suspended-sediment concentration milligrams per liter	
	Maximum	Minimum	Maximum	Minimum
Hickahala Creek near Senatobia	15,700	29	4,643	9
Yalobusha River near Derma ^a	---	---	---	---
Yalobusha River near Calhoun City ^b	8,090	3.0	2,069	33
Topashaw Creek near Derma ^a	---	---	---	---
Topashaw Creek near Calhoun City ^b	4,710	2.2	5,592	32
Abiaca Creek near Seven Pines	2,470	25	9,198	34
Abiaca Creek near Cruger	2,260	20	4,000 ^c	23
Harland Creek near Howard	3,210	8.1	6,000 ^c	23
Hotopha Creek near Batesville ^d	1,760	5.6	N/A	N/A
Otocalofa Creek near Water Valley ^d	5,230	29	N/A	N/A
Peters (Long) Creek near Pope ^d	9,220	12	N/A	N/A
Town Creek at Water Valley ^d	727	1.3	N/A	N/A
Senatobia Creek near Senatobia ^d	7,580	11	N/A	N/A
Fannegusha Creek near Howard ^d	5,090	12	N/A	N/A
Black Creek at Lexington ^d	5,940	18	N/A	N/A
Yalobusha River at Vardaman ^{b, d}	---	---	N/A	N/A
Topashaw Creek near Hoenlinden ^{b, d}	---	---	N/A	N/A

^a Data collection began May, 1998.

^b Data collection suspended January, 1998.

^c Data estimated concentrations from hydrograph reconstruction.

^d Stage and discharge data only.

Table 4.—Maximum and minimum daily-mean values for the Demonstration Erosion Control project 1998 sediment-data collection stations, October 1997 – September 1998 (Plunkett and others, 1999)

Station	Daily-mean suspended-sediment concentration (milligrams per liter)		Daily-mean suspended-sediment discharge (tons per day)	
	Maximum	Minimum	Maximum	Minimum
Hickahala Creek near Senatobia	1,260	9	20,700	1.0
Yalobusha River near Derma ^a	---	---	---	---
Yalobusha River near Calhoun City ^b	1,250	34	15,200	0.50
Topashaw Creek near Derma ^a	---	---	---	---
Topashaw Creek near Calhoun City ^b	2,060	33	12,700	0.51
Abiaca Creek near Seven Pines	2,600	34	10,800	2.9
Abiaca Creek near Cruger	1,420	24	5,770	1.6
Harland Creek near Howard	2,910	24	12,400	0.53

^a Data collected from May to end of water year, data will be analyzed and published with 1999 water year data.

^b Data collected from October 1 to January 7 only.

Table 5.—Total-sediment discharge for the 1998 water year, and extremes for period of record for Demonstration Erosion Control project 1998 sediment-data collection stations

Station	1998 water year total sediment discharge in tons	Period of record		
		maximum discharge in tons(water year)	minimum discharge in tons(water year)	median discharge in tons
Hickahala Creek nr Senatobia	138,000	655,000(1989)	74,400(1996)	232,000
Yalobusha River nr Derma	*	**	**	**
Yalobusha River nr Calhoun City	*	**	**	**
Topashaw Creek nr Derma	*	**	**	**
Topashaw Creek nr Calhoun City	*	**	**	**
Abiaca Creek nr Seven Pines	66,200	129,000(1997)	56,200(1993)	97,300
Abiaca Creek nr Cruger	50,500	86,700(1997)	49,800(1993)	76,300
Harland Creek nr Howard	85,100	486,000(1991)	85,100(1998)	201,000

* Only operated for part of the 1998 water year, no total available.

** Period of record for sediment data insufficient, no maximum, minimum, or median statistics available.

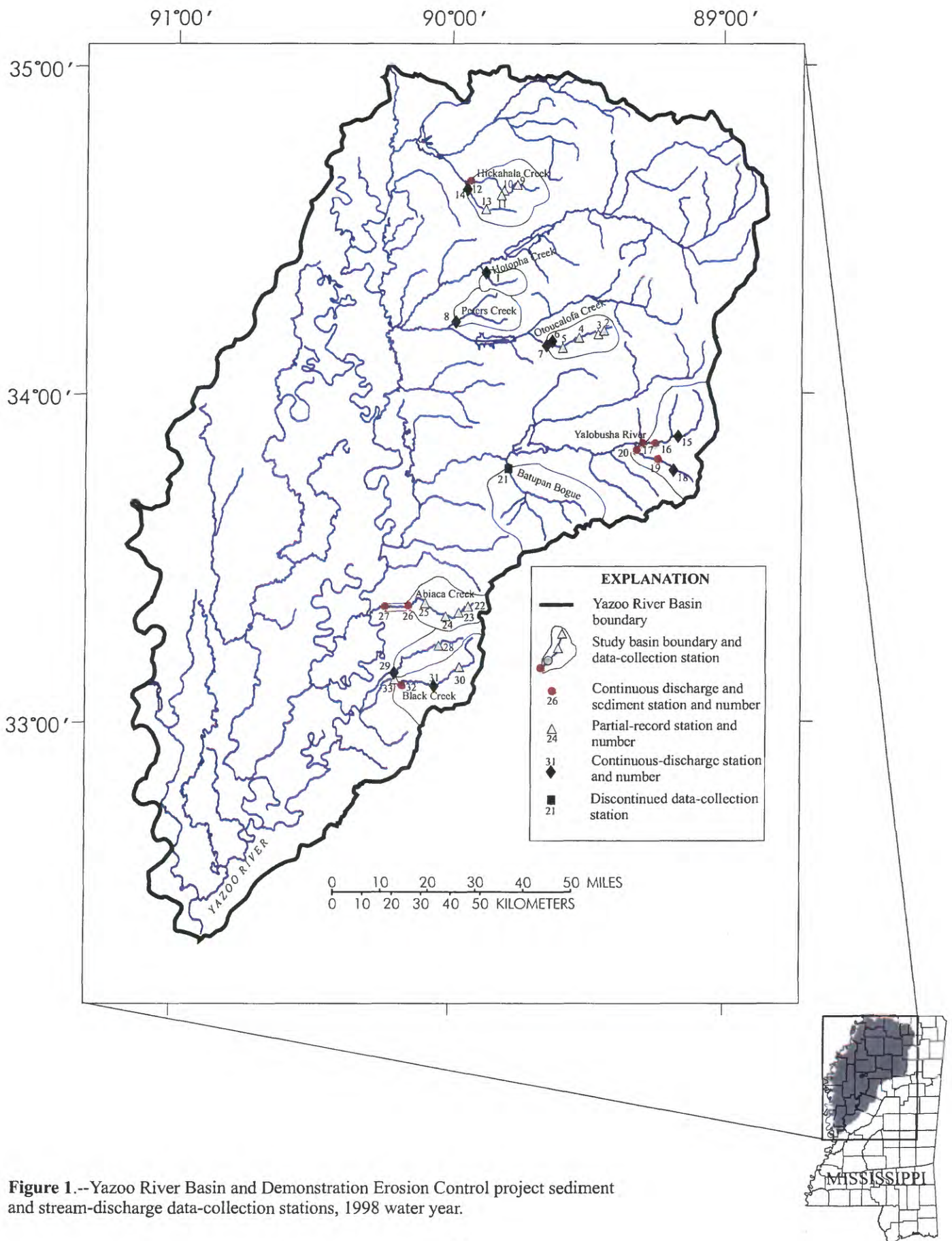
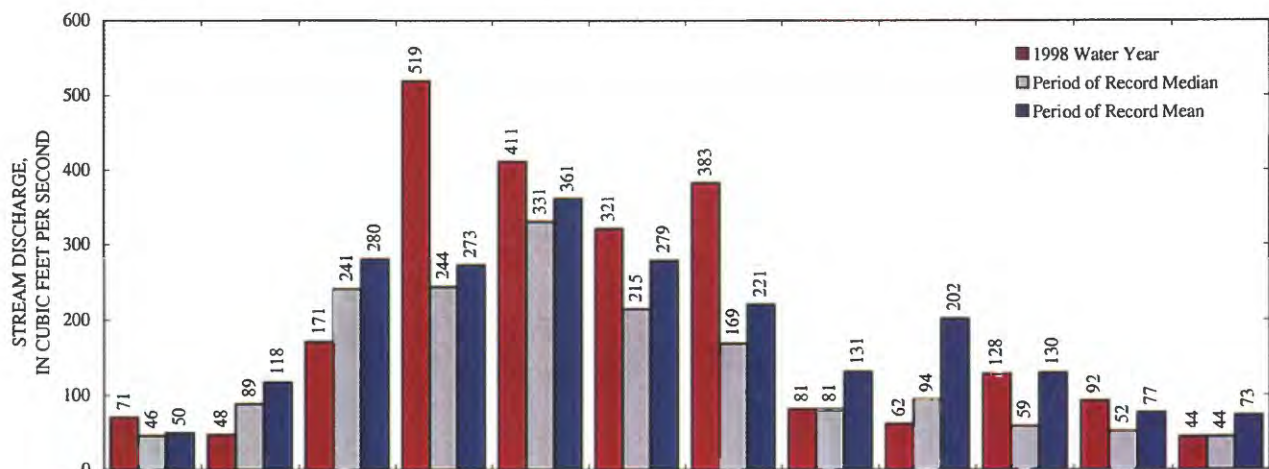
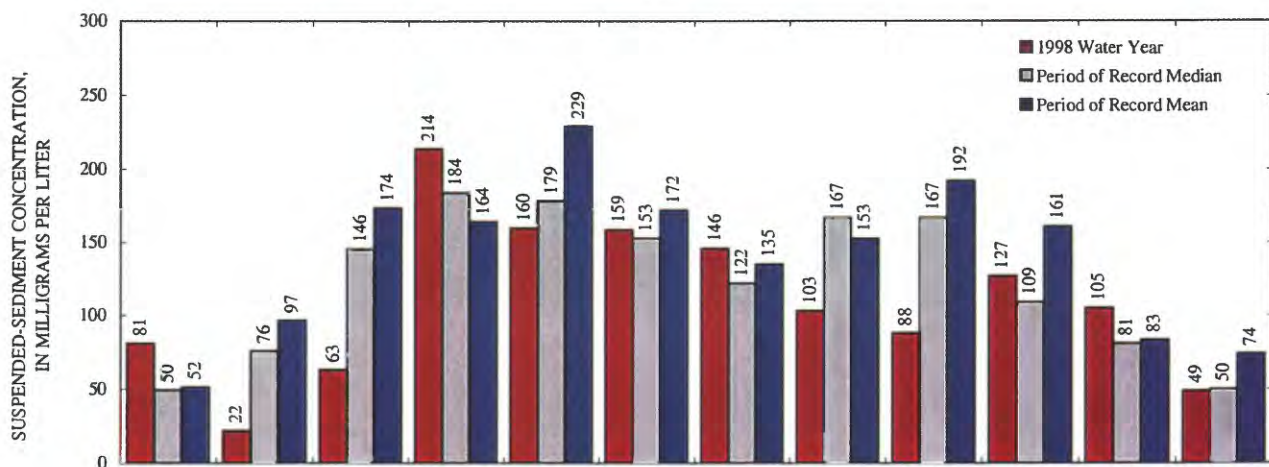


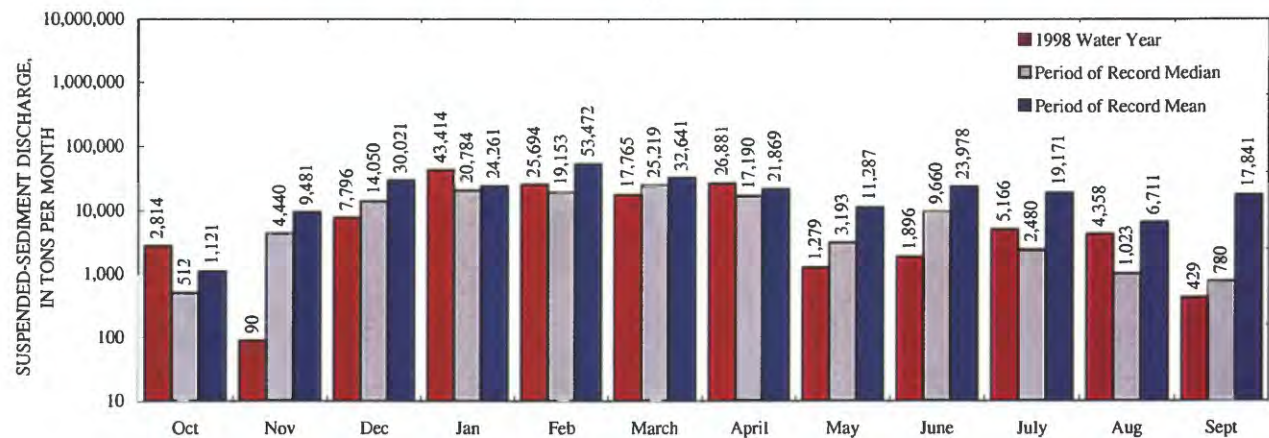
Figure 1.--Yazoo River Basin and Demonstration Erosion Control project sediment and stream-discharge data-collection stations, 1998 water year.



(a)

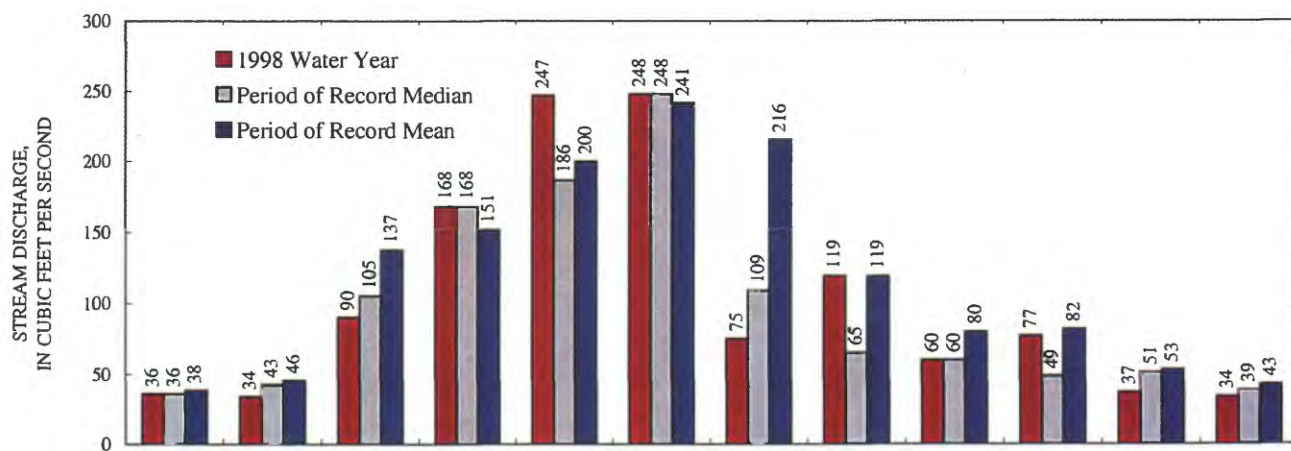


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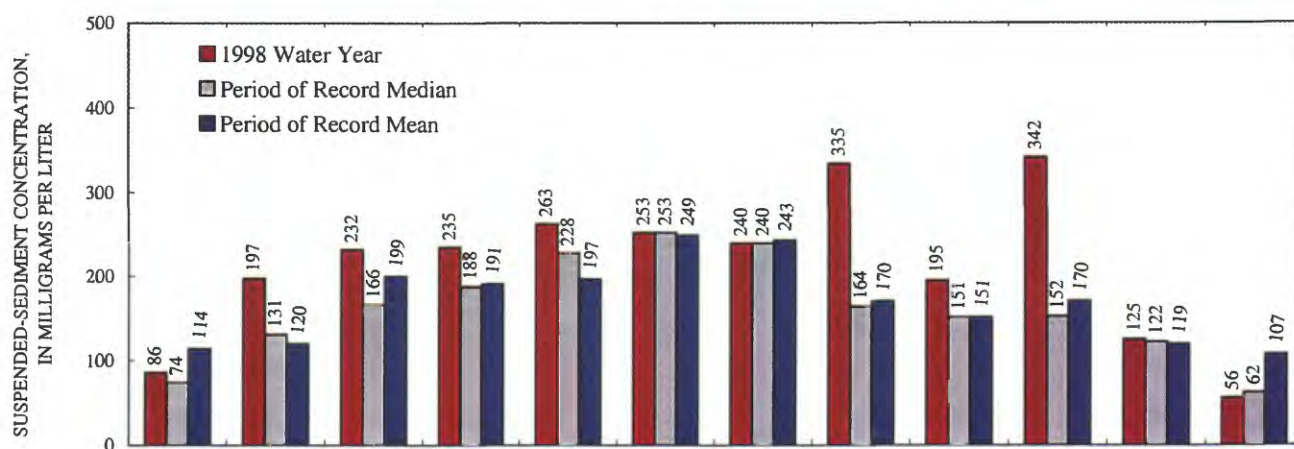


(c)

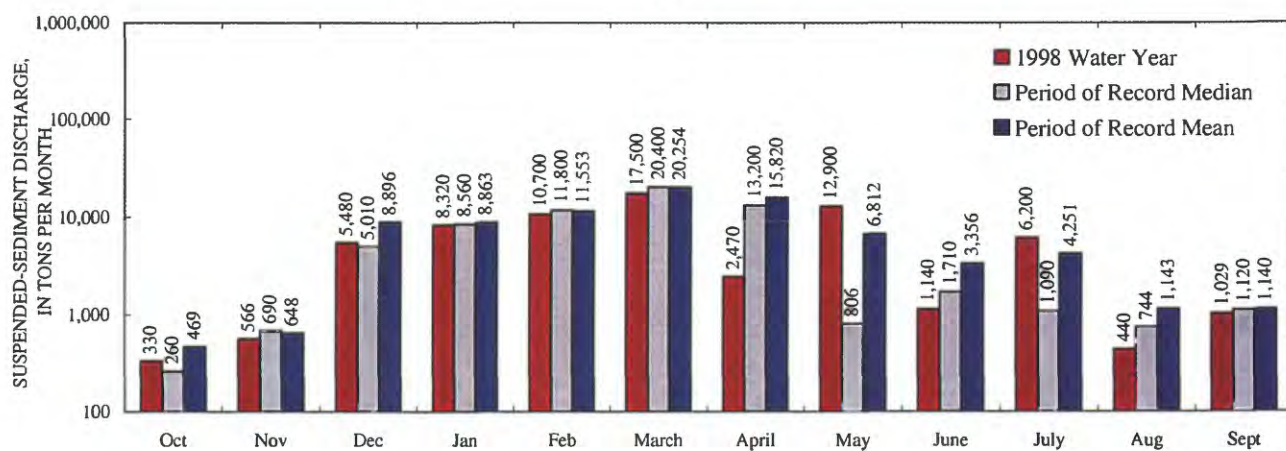
Figure 2.--Monthly values for (a) stream discharge, (b) suspended-sediment concentration, and (c) suspended-sediment discharge for Hickahala Creek near Senatobia, Mississippi.



(a)

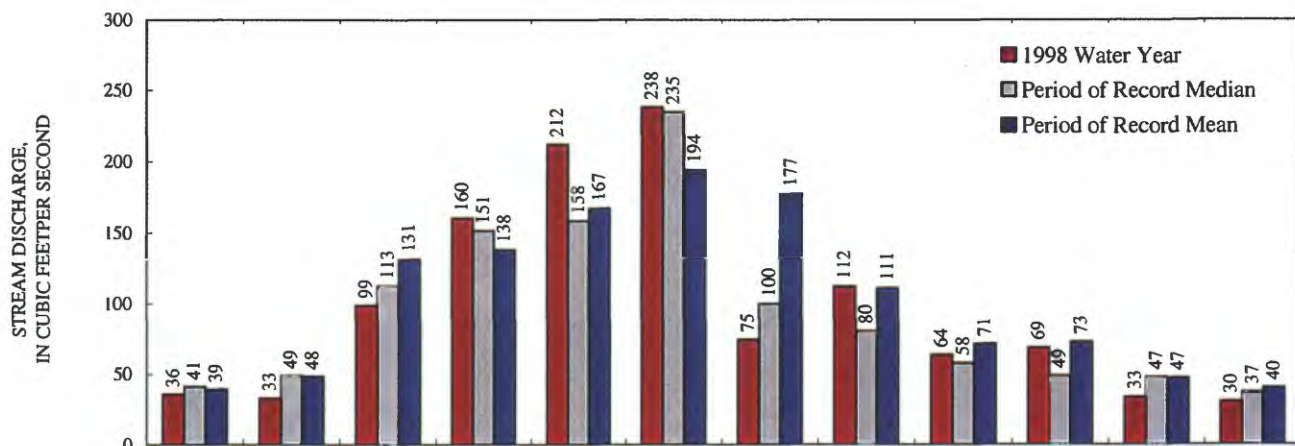


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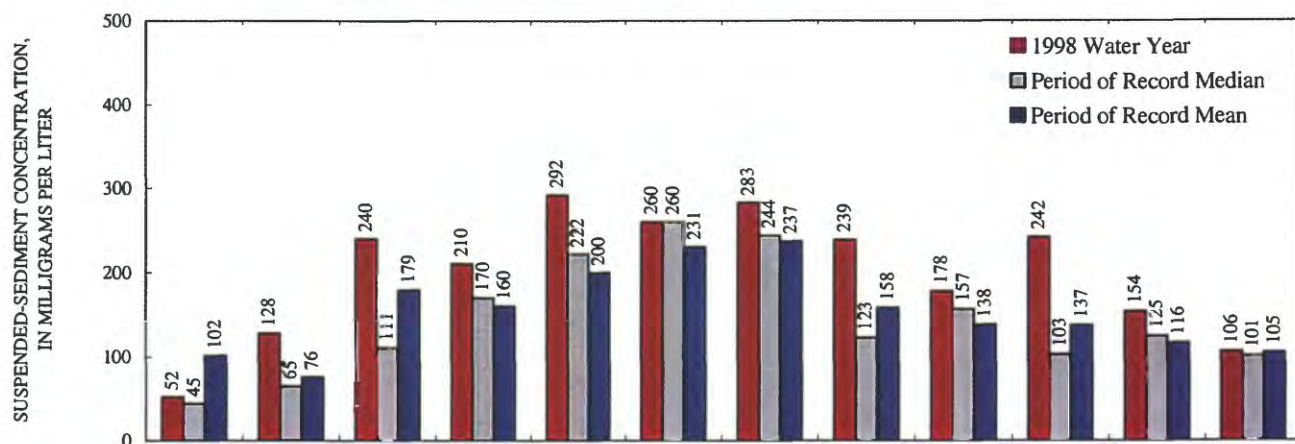


(c)

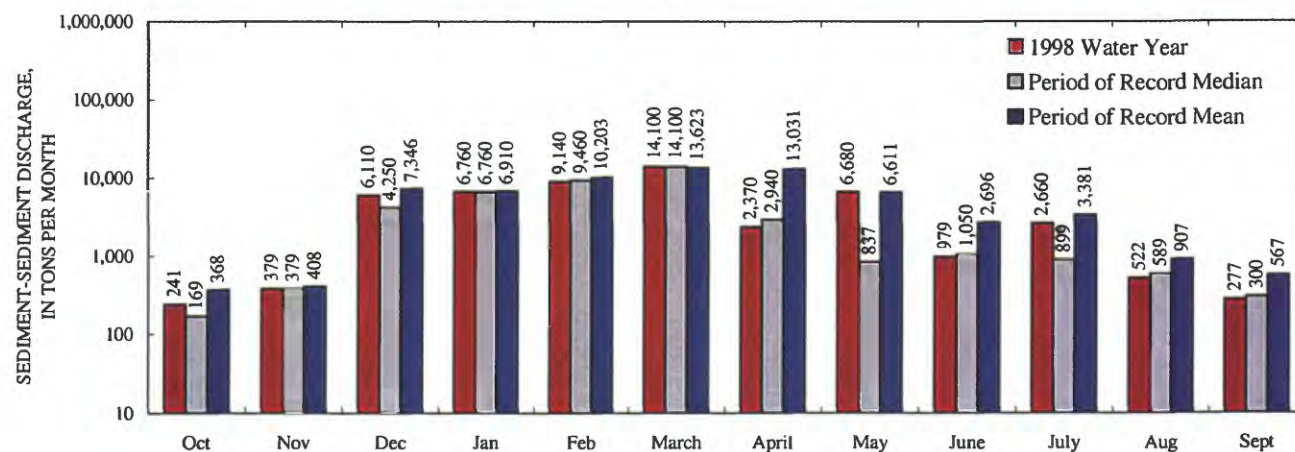
Figure 3.-- Monthly values for (a) stream discharge, (b) suspended-sediment concentration, and (c) suspended-sediment discharge for Abiaca Creek near Seven Pines, Mississippi.



(a)

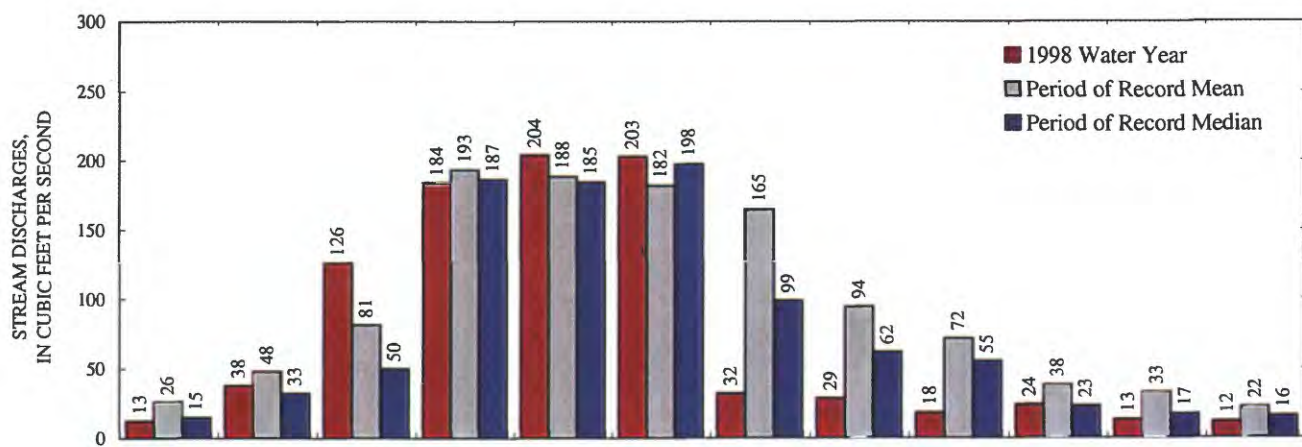


(b)

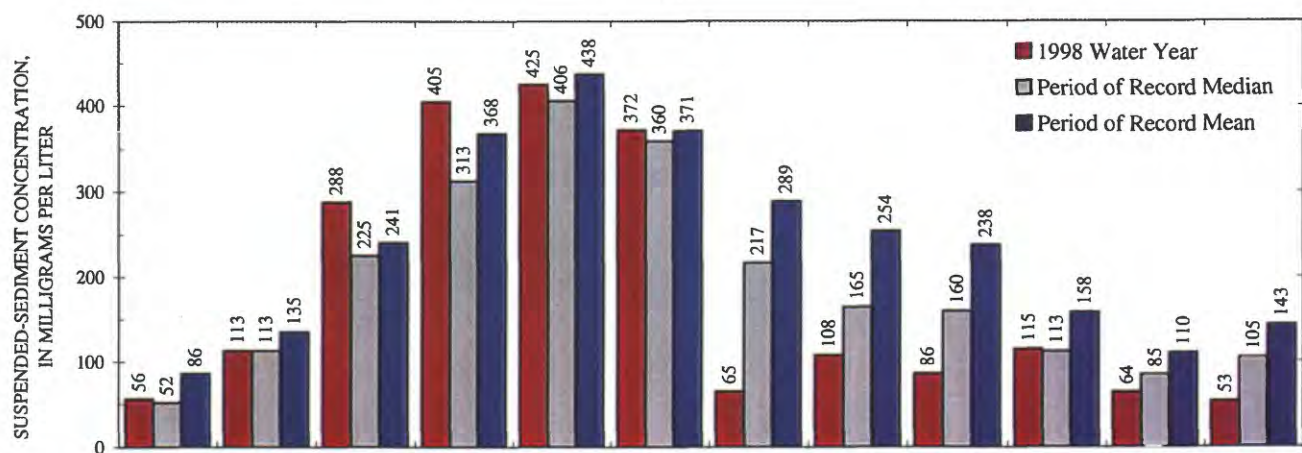


(c)

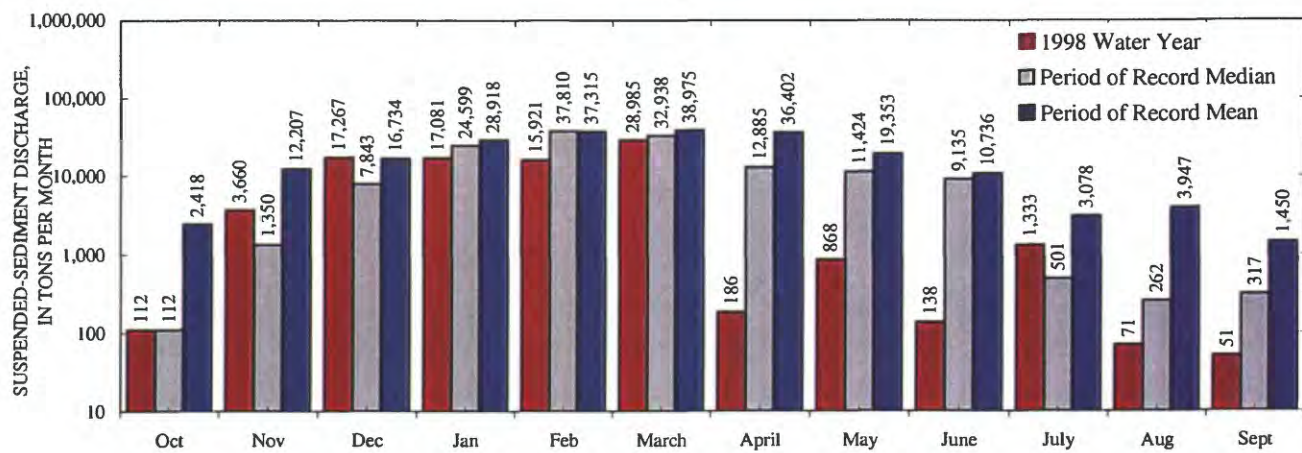
Figure 4.--Monthly values for (a) stream discharge, (b) suspended-sediment concentration, and (c) suspended-sediment discharge for Abiaca Creek near Cruger, Mississippi.



(a)



(b)



(c)

Figure 5.--Monthly values for (a) stream discharge, (b) suspended-sediment concentration, and (c) suspended-sediment discharge for Harland Creek near Howard, Mississippi.

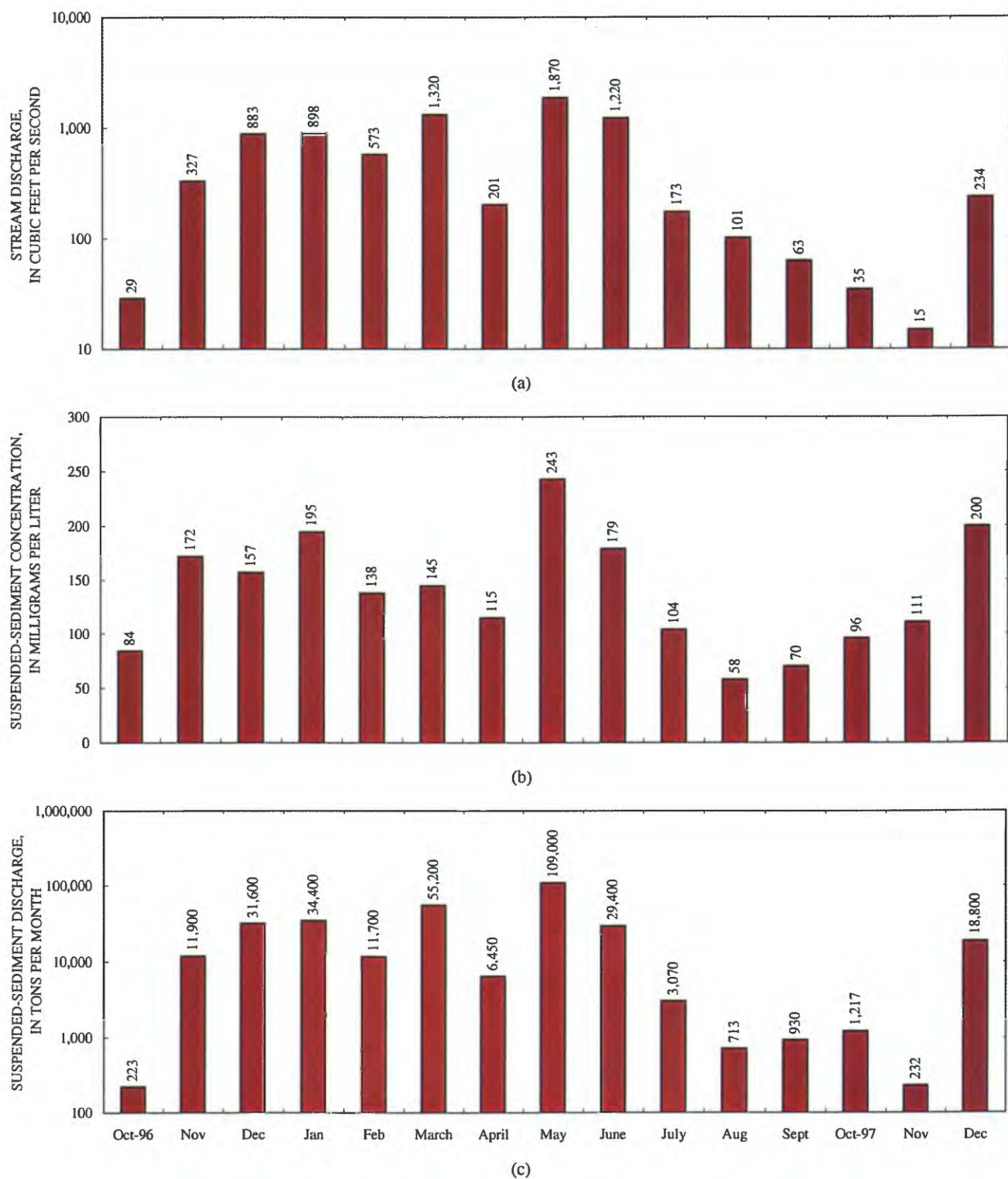
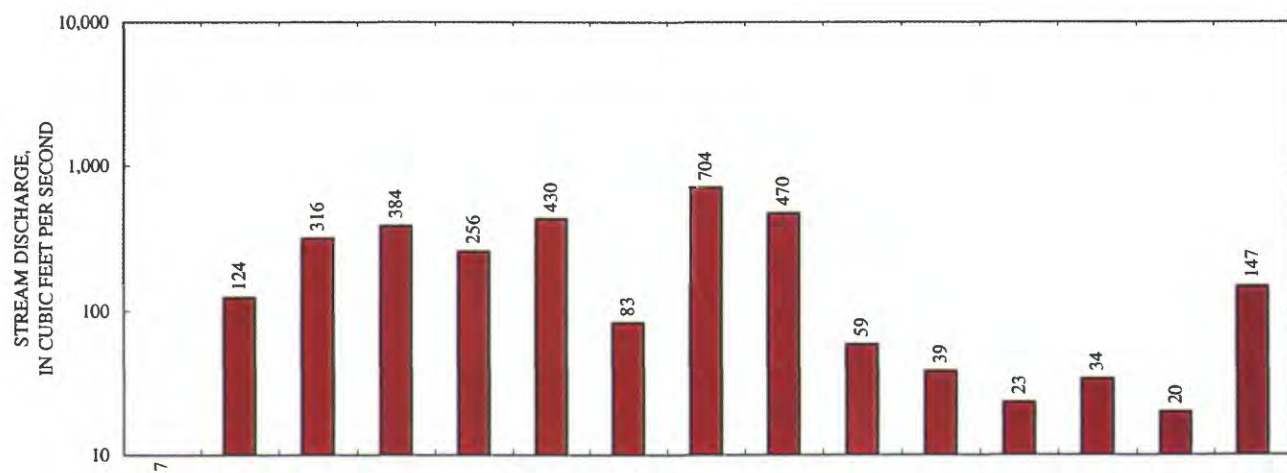
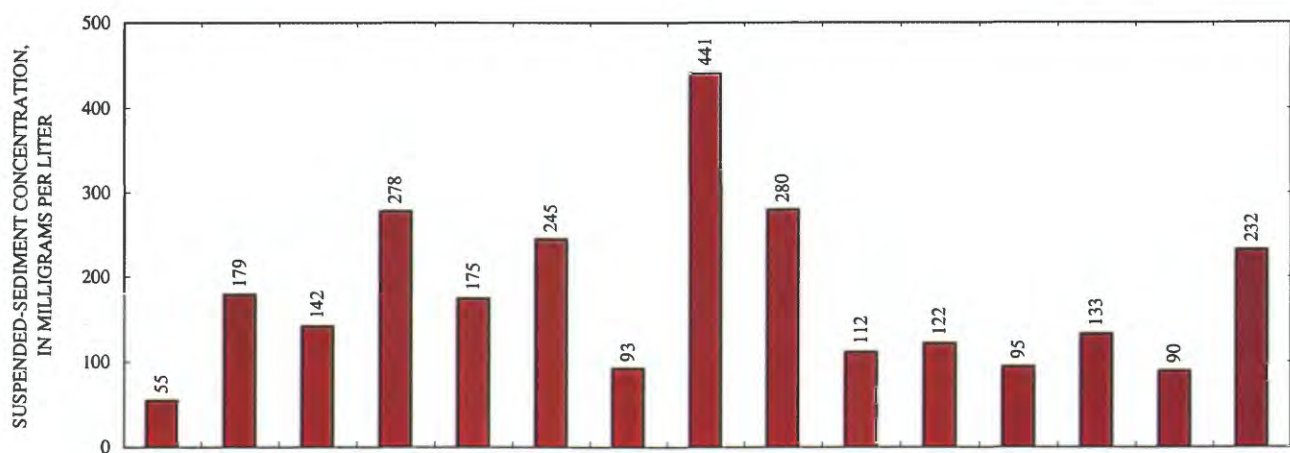


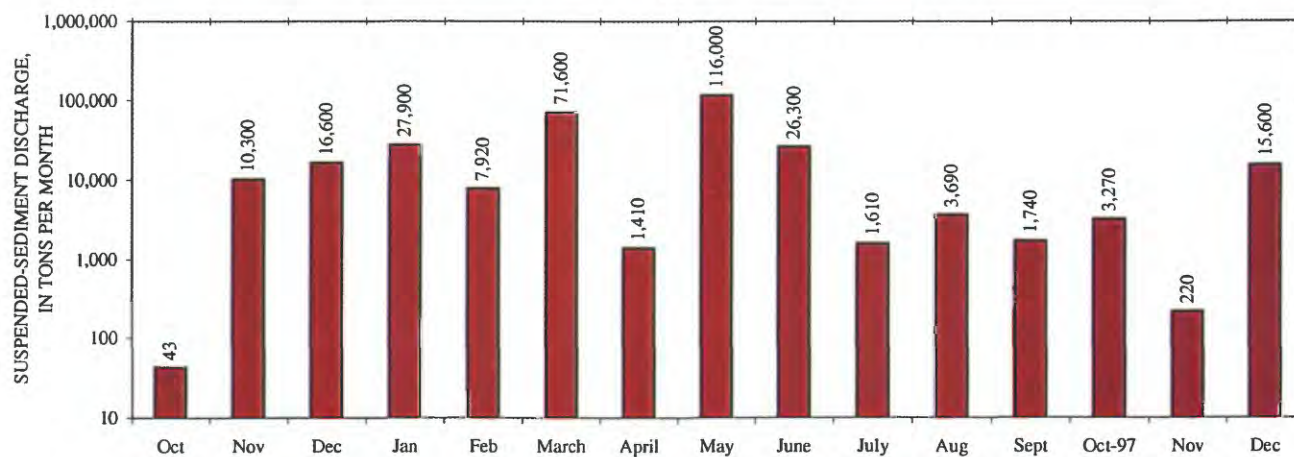
Figure 6.-- monthly values for (a) stream discharge, (b) suspended-sediment concentration, and (c) suspended-sediment discharge for Yalobusha River near Calhoun City, Mississippi.



(a)



(b)



(c)

Figure 7.--Monthly values for (a) stream discharge, (b) suspended-sediment concentration, and (c) suspended-sediment discharge for Topashaw Creek near Calhoun City, Mississippi.

Appendix A

Daily-value tables for continuous-sediment stations

STATION NUMBER 07277700 HICKAHALA CREEK NR SENATOBIA, MS
 PROVISIONAL DATA SUBJECT TO REVISION
 SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
	OCTOBER			NOVEMBER			DECEMBER		
1	e55	44	6.5	65	56	9.7	41	11	1.2
2	55	43	6.3	54	40	5.8	41	16	1.8
3	61	41	6.8	58	32	5.0	45	23	2.8
4	63	40	6.8	52	48	6.6	50	21	2.9
5	59	38	6.1	53	46	6.6	54	20	2.9
6	61	36	5.9	63	40	6.7	58	18	2.8
7	43	34	3.9	54	34	5.0	56	18	2.8
8	45	32	3.9	51	30	4.1	69	19	3.5
9	57	32	4.9	50	27	3.6	63	19	3.2
10	59	32	5.1	50	24	3.2	62	17	2.9
11	57	32	4.9	47	18	2.4	69	16	2.9
12	40	28	3.0	42	15	1.7	64	14	2.5
13	47	23	2.9	56	14	2.1	61	15	2.5
14	46	21	2.6	70	13	2.4	60	16	2.6
15	38	25	2.6	54	12	1.7	57	17	2.6
16	43	24	2.7	44	11	1.4	57	18	2.7
17	43	22	2.6	44	11	1.4	60	18	3.0
18	42	24	2.7	46	13	1.6	e57	20	3.1
19	40	25	2.7	43	15	1.7	e57	22	3.4
20	39	24	2.6	41	17	1.9	e57	23	3.5
21	44	17	2.0	41	17	1.9	325	248	350
22	48	12	1.6	45	12	1.5	243	74	51
23	43	11	1.3	48	9	1.2	156	43	18
24	120	67	24	44	9	1.1	1860	956	7140
25	261	675	1060	39	10	1.0	312	90	81
26	418	910	1610	34	13	1.2	232	50	31
27	82	51	12	36	18	1.8	224	32	19
28	46	36	4.5	33	22	2.0	201	27	15
29	40	31	3.4	32	21	1.8	215	24	14
30	40	34	3.7	37	17	1.7	203	21	12
31	57	40	6.3	---	---	---	177	19	8.9
TOTAL	2192	---	2814.3	1426	---	89.8	5286	---	7795.5

e Estimated

STATION NUMBER 07277700 HICKAHALA CREEK NR SENATOBIA, MS

PROVISIONAL DATA SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JANUARY			FEBRUARY			MARCH			
1	159	17	7.2	87	22	5.2	144	66	26
2	150	15	6.2	81	23	4.9	114	59	18
3	139	16	5.8	e70	23	4.3	91	54	13
4	123	16	5.3	e64	24	4.1	82	75	18
5	1480	618	4560	e63	23	3.9	1790	544	3530
6	513	197	280	e62	24	4.0	974	531	1750
7	2950	1120	13500	e60	24	3.9	520	308	796
8	1500	487	3500	e59	25	4.0	2460	961	9230
9	298	103	85	e58	25	3.9	429	216	287
10	182	69	34	1250	667	3180	209	79	46
11	808	557	2920	1670	582	4310	162	36	16
12	2090	693	6090	298	85	72	141	35	13
13	292	147	120	197	41	22	133	41	15
14	163	97	43	149	31	12	117	46	14
15	1370	662	8730	118	27	8.9	100	45	12
16	1240	528	2580	1990	497	3430	e100	43	12
17	355	210	205	1760	751	6020	561	514	919
18	300	230	208	308	118	106	203	159	90
19	321	333	307	179	57	28	273	345	485
20	187	139	71	140	41	16	353	303	357
21	155	62	26	94	32	8.1	176	65	31
22	206	69	40	105	53	20	130	41	14
23	184	51	26	226	107	71	109	32	9.4
24	130	33	12	110	42	13	98	32	8.3
25	107	28	8.2	85	31	7.2	84	32	7.2
26	93	27	6.7	1520	836	8000	70	28	5.4
27	164	25	11	503	186	288	70	26	4.9
28	131	23	8.0	207	78	44	69	29	5.5
29	109	21	6.3	---	---	---	65	35	6.1
30	e100	22	5.9	---	---	---	61	44	7.2
31	e95	22	5.6	---	---	---	72	91	19
TOTAL	16094	---	43413.2	11513	---	25694.4	9960	---	17765.0

e Estimated

STATION NUMBER 07277700 HICKAHALA CREEK NR SENATOBIA, MS

PROVISIONAL DATA SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	86	55	14	e270	293	213	e48	96	12
2	61	45	7.4	193	132	69	e46	68	8.4
3	215	71	42	238	218	151	e48	54	7.0
4	122	76	26	111	106	34	e59	51	8.1
5	80	61	13	e67	77	14	421	1020	1640
6	67	55	9.9	e61	71	12	136	157	63
7	71	61	12	e55	66	9.8	67	72	13
8	100	99	31	e52	61	8.6	50	61	8.2
9	122	100	35	49	54	7.1	47	57	7.2
10	83	64	14	46	49	6.1	44	52	6.3
11	73	55	11	44	52	6.2	44	49	5.8
12	68	52	9.6	e50	59	8.0	39	47	4.9
13	72	50	9.7	e50	66	8.9	39	45	4.8
14	75	50	10	e50	73	9.9	41	46	5.1
15	69	49	9.1	e55	70	10	43	46	5.4
16	77	52	11	47	65	8.2	42	47	5.4
17	112	116	38	44	60	7.2	45	48	5.8
18	86	76	19	46	57	7.0	46	48	6.0
19	135	91	34	47	56	7.1	46	49	6.1
20	80	66	14	46	54	6.7	45	50	6.1
21	e87	56	13	e52	53	7.4	e45	51	6.2
22	e83	53	12	e50	52	7.0	e45	51	6.2
23	e80	50	11	e50	48	6.5	e45	52	6.3
24	e77	50	10	e50	46	6.2	e45	50	6.1
25	e74	49	98	e50	51	6.9	e45	48	5.8
26	e77	54	11	e60	54	8.7	e45	46	5.6
27	e523	102	144	63	52	8.8	e45	44	5.3
28	e6080	1260	20700	100	202	96	e46	43	5.3
29	e575	453	703	275	542	451	e46	42	5.2
30	e1980	900	4810	91	214	54	e45	44	5.3
31	---	---	---	e60	138	23	---	---	---
TOTAL	11490	---	26881.7	2522	---	1279.3	1848	---	1885.9

e Estimated

STATION NUMBER 07277700 HICKAHALA CREEK NR SENATOBIA, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JULY			AUGUST			SEPTEMBER			
1	e44	47	5.6	69	44	8.2	39	31	3.3
2	e42	44	5.0	60	41	6.7	40	33	3.5
3	e40	41	4.4	54	39	5.6	41	34	3.7
4	e40	39	4.2	50	48	6.5	40	33	3.5
5	e40	39	4.2	46	39	4.8	e40	31	3.3
6	e40	40	4.3	44	38	4.5	e40	30	3.2
7	e39	40	4.2	48	40	5.2	e40	29	3.1
8	e39	41	4.3	58	42	6.6	e40	27	2.9
9	e38	41	4.2	375	509	890	e40	27	2.9
10	107	50	16	125	114	47	e40	27	2.9
11	128	135	50	567	762	2480	41	27	3.0
12	137	138	66	271	247	323	39	31	3.3
13	127	180	110	180	194	116	38	36	3.7
14	616	979	2420	208	377	358	36	41	4.0
15	261	295	275	87	114	30	e36	42	4.1
16	121	144	51	52	71	10	e36	42	4.1
17	73	74	15	45	56	6.8	e36	42	4.1
18	63	50	8.4	41	45	4.9	e35	41	3.9
19	57	40	6.2	39	36	3.7	e35	41	3.9
20	52	35	4.9	37	34	3.4	e35	41	3.9
21	50	36	4.8	36	36	3.5	212	318	309
22	48	38	4.9	37	35	3.4	48	77	10
23	46	39	4.8	36	33	3.3	42	56	6.3
24	43	39	4.5	36	34	3.3	40	49	5.3
25	235	255	329	37	35	3.5	39	48	5.1
26	164	122	66	37	36	3.7	35	46	4.4
27	64	57	9.9	37	38	3.8	37	63	6.7
28	330	353	600	37	38	3.8	33	51	4.5
29	611	369	1020	36	33	3.2	34	41	3.7
30	172	92	48	39	29	3.0	35	38	3.6
31	87	44	11	38	30	3.0	---	---	---
TOTAL	3954	---	5165.8	2862	---	4358.4	1322	---	428.9
YEAR	70469		137572.2						

e Estimated

STATION NUMBER 07282000 YALOBUSHA R AT CALHOUN CITY, MS

PROVISIONAL DATA SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	73	107	21	180	125	157	3930	733	8540
2	50	101	14	894	367	924	1490	227	961
3	50	99	13	438	193	237	627	131	229
4	42	97	11	220	107	65	351	80	78
5	34	96	8.8	118	89	28	278	65	50
6	29	94	7.4	81	80	17	372	70	71
7	25	93	6.4	394	166	413	602	152	260
8	23	91	5.7	1100	257	820	461	120	153
9	20	90	4.8	522	148	213	274	69	52
10	18	88	4.4	245	110	74	185	62	31
11	17	87	3.9	114	82	25	145	58	23
12	15	86	3.5	61	68	11	139	82	32
13	14	84	3.2	37	64	6.5	154	181	75
14	14	83	3.1	27	61	4.4	114	134	41
15	13	82	2.9	20	57	3.0	93	97	24
16	13	81	2.8	14	54	2.1	2020	472	5560
17	13	81	2.7	13	58	2.2	6370	477	9360
18	14	83	3.1	309	272	275	1830	168	870
19	15	84	3.4	425	286	336	579	103	169
20	15	74	3.0	154	192	82	233	68	43
21	13	57	2.1	89	129	31	124	60	20
22	14	57	2.2	72	93	18	87	54	13
23	23	67	4.2	47	82	10	62	50	8.4
24	25	65	4.4	32	74	6.5	301	108	102
25	22	62	3.6	384	505	787	266	107	78
26	43	119	16	436	451	562	567	160	605
27	84	150	34	149	203	87	2990	383	3340
28	62	82	14	68	104	20	1150	135	436
29	44	58	7.0	42	58	6.7	602	115	186
30	34	55	5.1	3110	608	6710	505	85	118
31	27	53	3.9	---	---	---	461	67	84
TOTAL	898	---	224.6	9795	---	11933.4	27362	---	31612.4

STATION NUMBER 07282000 YALOBUSHA R AT CALHOUN CITY, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JANUARY			FEBRUARY			MARCH			
1	325	75	65	288	59	46	987	132	365
2	212	73	42	225	51	31	3720	838	15100
3	153	85	35	294	77	65	16400	682	28900
4	129	75	26	372	86	86	6990	256	5250
5	1100	322	1090	298	96	76	1700	331	1780
6	597	126	208	183	85	42	1680	266	1340
7	1260	226	828	298	111	168	812	114	257
8	1320	244	1270	1280	283	1020	572	83	128
9	2220	300	1980	603	150	251	477	75	98
10	910	116	300	359	119	113	693	102	193
11	439	67	82	233	79	50	595	94	153
12	243	53	35	171	68	31	436	74	88
13	156	56	24	1520	344	1790	396	65	71
14	119	58	19	1310	169	649	654	98	177
15	650	249	1300	588	71	116	548	88	133
16	1640	526	2550	357	57	55	372	69	70
17	593	152	266	230	60	37	286	64	49
18	292	69	55	171	54	25	280	64	49
19	202	63	34	133	59	21	871	165	402
20	172	62	29	111	48	14	646	115	206
21	128	61	21	1190	384	1540	440	68	82
22	281	103	96	852	157	382	316	64	55
23	427	190	233	394	122	128	223	63	38
24	5320	990	13800	208	87	50	189	62	32
25	2110	314	1830	155	63	26	153	64	26
26	802	181	416	241	84	57	134	65	23
27	405	130	149	1960	524	2940	105	64	18
28	3360	709	6820	2020	329	1880	105	63	18
29	1300	181	667	---	---	---	101	65	18
30	592	103	168	---	---	---	85	66	15
31	393	82	88	---	---	---	69	67	12
TOTAL	27850	---	34526	16044	---	11689	41035	---	55146

STATION NUMBER 07282000 YALOBUSHA R AT CALHOUN CITY, MS

PROVISIONAL DATA SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	53	58	8.4	e83	63	14	e1660	292	1340
2	39	49	5.1	e2240	259	4460	e1500	303	1230
3	30	56	4.5	e17800	840	38700	e867	174	412
4	26	93	6.6	9820	308	9010	e481	86	117
5	1040	857	3760	e1630	207	915	e339	67	62
6	995	329	1030	e608	130	215	e1450	292	1210
7	426	100	118	e371	108	108	e835	84	192
8	188	81	41	e258	78	54	e419	51	58
9	117	69	22	e228	67	41	e2400	559	3890
10	72	60	12	e203	56	31	2670	324	2390
11	49	54	7.1	e130	47	16	4410	461	5580
12	50	53	7.1	e93	40	10	2680	258	1900
13	50	53	7.2	e68	41	7.5	e1990	124	688
14	e40	53	5.7	e60	44	7.1	e651	58	102
15	e30	52	4.2	e50	40	5.4	e570	65	100
16	e29	51	4.0	e42	35	4.0	e340	77	71
17	e28	50	3.8	e36	32	3.1	3130	375	4520
18	e22	48	2.9	e30	33	2.7	e1910	220	1220
19	e23	44	2.7	e40	36	3.9	e786	92	193
20	e30	40	3.2	e54	37	5.4	e371	47	48
21	e35	37	3.5	e46	36	4.5	e2350	360	2410
22	e50	103	18	e37	36	3.6	e920	140	360
23	e119	176	57	e50	39	5.3	e505	92	127
24	e45	96	12	3140	1530	21800	e576	140	222
25	e36	63	6.1	5870	642	11700	e317	56	48
26	e40	54	5.8	e1480	262	1080	e213	47	27
27	e481	162	282	e1940	645	4080	e218	60	36
28	e875	223	558	4870	684	9570	e555	251	387
29	e733	186	384	3300	404	3620	e864	149	352
30	e286	86	66	e1430	179	718	e529	78	113
31	---	---	---	e2010	560	3380	---	---	---
TOTAL	6037	---	6447.9	58017	---	109574.5	36506	---	29407

e Estimated

STATION NUMBER 07282000 YALOBUSHA R AT CALHOUN CITY, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JULY			AUGUST			SEPTEMBER			
1	e253	59	40	e50	75	10	e17	94	4.3
2	e114	56	17	e30	56	4.5	e16	123	5.4
3	e61	44	7.2	e23	46	2.9	e17	99	4.5
4	e37	33	3.3	e18	38	1.8	e16	39	1.7
5	e24	26	1.7	e15	34	1.4	e15	45	1.8
6	e20	25	1.4	e13	32	1.1	e14	47	1.8
7	e116	32	10	e12	37	1.2	e13	47	1.6
8	e166	69	33	e11	44	1.3	e12	46	1.5
9	e270	90	67	e13	50	1.8	e12	39	1.3
10	e353	91	87	e14	56	2.1	e14	32	1.2
11	e563	132	204	e17	66	3.1	e14	37	1.4
12	e339	91	83	e385	142	155	e13	49	1.7
13	e506	269	504	e775	105	230	e12	51	1.7
14	e792	360	806	e366	65	64	e11	48	1.4
15	e292	134	106	e292	67	53	e10	45	1.2
16	e118	54	17	e105	66	19	e9.6	40	1.0
17	e57	41	6.3	e48	65	8.4	e9.0	38	.92
18	e35	40	3.8	e37	61	6.1	e8.4	45	1.0
19	e29	40	3.1	e38	51	5.2	e7.9	54	1.2
20	e24	40	2.6	e108	50	15	e7.4	53	1.1
21	e20	41	2.2	e402	73	80	e7.0	51	.9 ^c
22	e57	84	13	e124	49	16	e6.6	50	.89
23	e268	164	119	e54	43	6.3	e6.7	65	1.2
24	e100	112	31	e38	43	4.4	e8.9	75	1.9
25	e42	83	9.4	e31	42	3.5	e589	417	682
26	e27	71	5.2	e26	49	3.4	e681	163	322
27	e20	61	3.3	e23	59	3.7	e198	71	38
28	e16	53	2.3	e20	53	2.9	e69	53	9.9
29	e33	59	5.3	e20	45	2.4	e45	41	5.0
30	e454	604	796	e18	55	2.7	e33	36	3.2
31	e166	151	69	e17	72	3.3	---	---	---
TOTAL	5372	---	3059.1	3143	---	715.5	1892.5	---	1102.77
YEAR	233951.5		295438.17						

e Estimated

STATION NUMBER 07282000 YALOBUSHA R AT CALHOUN CITY, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	6.8	34	.62	31	226	24	27	169	12
2	5.9	38	.61	42	320	38	18	131	6.3
3	5.3	45	.64	19	177	9.4	24	167	14
4	4.8	47	.62	13	134	4.8	60	249	42
5	4.5	48	.58	11	117	3.5	34	113	10
6	4.3	48	.56	15	100	4.0	22	102	6.0
7	4.2	48	.54	18	94	4.5	17	95	4.5
8	4.0	48	.52	15	108	4.3	16	89	3.8
9	3.9	48	.50	13	128	4.4	20	83	4.5
10	3.8	48	.49	11	134	4.0	289	426	393
11	3.6	50	.49	10	105	2.9	103	357	105
12	3.5	53	.50	9.8	85	2.2	42	200	23
13	3.7	57	.57	10	80	2.2	26	151	11
14	12	86	2.8	11	76	2.3	20	123	6.6
15	9.5	86	2.2	11	73	2.2	17	101	4.7
16	6.9	83	1.5	10	70	2.0	16	89	3.7
17	5.5	80	1.2	9.5	66	1.7	15	80	3.2
18	4.8	81	1.1	9.1	61	1.5	14	74	2.8
19	4.4	83	.99	8.8	58	1.4	13	69	2.5
20	4.2	84	.95	8.6	63	1.5	13	71	2.4
21	4.0	81	.87	8.8	66	1.6	61	273	109
22	3.9	77	.81	9.6	63	1.6	158	341	166
23	3.8	76	.77	9.5	60	1.5	70	162	37
24	104	271	99.9	9.1	59	1.4	4060	1250	15200
25	130	280	140	8.7	60	1.4	1490	530	2450
26	612	460	912	8.5	62	1.4	255	153	116
27	66	162	31	8.5	61	1.4	116	159	49
28	19	118	6.1	8.5	61	1.4	69	132	25
29	12	91	3.0	42	221	42	61	92	15
30	9.6	81	2.1	57	354	58	64	86	15
31	9.2	82	2.1	---	---	---	45	86	10
TOTAL	1079.1	---	1216.63	456.0	---	232.5	7255	---	18853.0

STATION NUMBER 07282000 YALOBUSHA R AT CALHOUN CITY, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JANUARY			FEBRUARY			MARCH			
1	30	96	7.8	34	---	---	118	---	---
2	25	104	7.0	33	---	---	86	---	---
3	23	98	6.2	39	---	---	69	---	---
4	23	90	5.6	36	---	---	60	---	---
5	751	431	1330	32	---	---	4810	---	---
6	494	294	432	27	---	---	5220	---	---
7	2160	572	3740	22	---	---	3570	---	---
8	2860	---	---	21	---	---	5920	---	---
9	967	---	---	23	---	---	2120	---	---
10	199	---	---	23	---	---	726	---	---
11	564	---	---	2920	---	---	316	---	---
12	676	---	---	1050	---	---	201	---	---
13	234	---	---	229	---	---	155	---	---
14	113	---	---	111	---	---	126	---	---
15	107	---	---	78	---	---	107	---	---
16	758	---	---	2590	---	---	95	---	---
17	402	---	---	3980	---	---	1520	---	---
18	209	---	---	2030	---	---	740	---	---
19	436	---	---	696	---	---	358	---	---
20	177	---	---	244	---	---	1160	---	---
21	97	---	---	137	---	---	423	---	---
22	768	---	---	682	---	---	218	---	---
23	692	---	---	1830	---	---	143	---	---
24	203	---	---	545	---	---	110	---	---
25	99	---	---	219	---	---	94	---	---
26	66	---	---	281	---	---	81	---	---
27	113	---	---	447	---	---	71	---	---
28	86	---	---	205	---	---	65	---	---
29	61	---	---	---	---	---	57	---	---
30	47	---	---	---	---	---	49	---	---
31	38	---	---	---	---	---	196	---	---
TOTAL	13478	---	---	18564	---	---	28984	---	---
42020	---	---	54940	---	---	---			

STATION NUMBER 07282100 TOPASHAW CREEK CANAL NR CALHOUN CITY, MS
 PROVISIONAL DATA SUBJECT TO REVISION
 SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	15	65	2.6	84	210	135	1040	426	1400
2	11	57	1.6	415	453	540	524	88	129
3	11	54	1.6	116	234	77	187	66	34
4	9.5	51	1.3	41	166	19	83	59	13
5	7.8	49	1.0	21	129	7.3	67	67	13
6	7.1	47	.90	13	100	3.5	87	103	24
7	6.5	45	.80	153	367	285	186	134	71
8	5.9	43	.69	414	211	262	118	73	24
9	5.5	41	.61	120	116	38	66	51	9.3
10	5.1	40	.55	40	98	11	48	47	6.1
11	4.9	38	.50	20	89	4.9	41	46	5.1
12	4.7	36	.46	11	81	2.4	41	49	5.4
13	4.6	35	.43	7.6	74	1.5	43	51	5.9
14	4.5	33	.41	6.2	67	1.1	35	49	4.6
15	4.4	32	.38	5.3	62	.89	29	46	3.6
16	4.3	31	.36	4.6	61	.76	1130	681	5430
17	4.3	30	.35	4.5	70	.89	2160	661	5580
18	4.5	30	.37	61	258	53	631	104	189
19	4.8	30	.39	86	279	68	197	67	37
20	4.8	30	.39	36	165	16	80	52	11
21	4.5	30	.37	26	118	8.1	57	49	7.5
22	4.6	32	.40	22	87	5.1	48	47	6.1
23	6.3	76	1.3	14	77	2.8	42	47	5.4
24	6.7	62	1.1	9.8	69	1.8	96	63	17
25	6.1	42	.70	98	279	107	86	58	14
26	10	106	4.0	96	141	39	314	212	582
27	21	190	11	38	69	7.2	1410	597	2570
28	15	118	4.8	21	57	3.2	453	130	168
29	11	90	2.6	14	49	1.8	208	92	52
30	8.3	76	1.7	1730	1140	8550	161	90	40
31	7.1	64	1.2	---	---	---	141	94	36
TOTAL	230.8	---	44.86	3728.0	---	10253.24	9809	---	16493.0

STATION NUMBER 07282100 TOPASHAW CREEK CANAL NR CALHOUN CITY, MS
 PROVISIONAL DATA SUBJECT TO REVISION
 SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JANUARY			FEBRUARY			MARCH			
1	101	84	23	121	66	22	481	115	152
2	76	73	15	102	64	18	2290	2110	28500
3	63	65	11	120	93	32	4810	2110	37700
4	59	69	11	144	107	42	1300	547	2030
5	526	620	1050	121	89	29	743	626	1540
6	207	124	73	89	73	17	688	297	628
7	529	331	496	167	244	303	306	98	84
8	968	750	4210	604	294	564	170	68	31
9	1160	663	2820	250	92	63	126	56	19
10	372	118	123	140	72	27	254	237	168
11	140	89	34	103	68	19	181	110	55
12	85	71	16	85	67	15	115	65	20
13	66	58	10	730	548	1300	105	67	20
14	57	55	8.4	560	125	200	203	133	76
15	381	557	1750	243	81	54	156	102	44
16	675	369	840	139	68	26	96	66	17
17	203	127	71	102	59	16	76	58	12
18	94	107	27	85	58	13	75	60	12
19	75	89	18	76	58	12	333	134	117
20	67	75	14	71	56	11	204	68	38
21	58	67	11	585	802	1710	115	48	15
22	99	174	63	378	223	250	82	45	9.9
23	131	306	110	154	92	39	64	42	7.3
24	1840	1380	7940	97	62	16	58	40	6.3
25	810	385	988	83	55	12	51	41	5.6
26	330	114	105	108	110	34	48	41	5.3
27	156	118	53	836	697	1820	43	40	4.6
28	1610	1200	6530	861	484	1220	43	39	4.6
29	568	195	311	---	---	---	42	41	4.7
30	256	116	82	---	---	---	39	43	4.6
31	156	75	32	---	---	---	35	45	4.3
TOTAL	11918	---	27845.4	7154	---	7884	13332	---	71335.2

STATION NUMBER 07282100 TOPASHAW CREEK CANAL NR CALHOUN CITY, MS

PROVISIONAL DATA SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
	APRIL			MAY			JUNE		
1	31	44	3.7	46	55	6.8	767	376	832
2	26	43	3.0	627	982	6890	707	570	1100
3	23	48	3.0	5900	1880	35800	388	150	169
4	21	62	3.6	1510	255	1100	158	70	31
5	e345	90	90	639	119	210	104	70	23
6	e507	298	408	188	97	50	694	252	517
7	e77	74	15	94	78	20	335	106	101
8	e66	83	15	69	65	12	122	63	21
9	e41	66	7.3	63	58	9.8	642	64	99
10	36	62	6.0	57	52	8.2	1170	569	3110
11	30	57	4.6	45	47	5.8	1750	1140	6280
12	30	53	4.3	39	43	4.5	984	348	956
13	30	50	4.1	32	49	4.2	488	129	181
14	26	47	3.3	27	59	4.3	212	84	48
15	21	48	2.7	25	56	3.8	171	71	33
16	18	51	2.5	22	48	2.9	96	49	13
17	16	54	2.3	19	41	2.1	901	980	3450
18	13	57	2.1	16	39	1.7	717	149	319
19	13	53	1.9	14	39	1.5	296	67	57
20	11	48	1.5	20	69	3.9	104	228	54
21	12	45	1.4	24	65	4.3	1650	1640	8080
22	28	79	7.6	20	53	2.8	399	211	253
23	51	160	22	15	45	1.8	155	103	46
24	29	90	7.2	1650	1490	16500	210	254	156
25	19	50	2.6	2030	1130	7230	93	97	25
26	16	40	1.7	628	184	331	69	57	11
27	276	593	879	723	898	2420	72	54	11
28	330	177	168	2090	1380	9500	167	74	36
29	263	97	70	2990	2360	24300	312	278	249
30	89	68	17	668	278	554	155	98	43
31	---	---	---	1540	1660	10300	---	---	---
TOTAL	2494	---	1760.4	21830	---	115285.4	14088	---	26304

e Estimated

STATION NUMBER 07282100 TOPASHAW CREEK CANAL NR CALHOUN CITY, MS
 PROVISIONAL DATA SUBJECT TO REVISION
 SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
	JULY			AUGUST			SEPTEMBER		
1	70	65	13	23	76	4.7	6.3	28	.46
2	44	43	5.2	15	61	2.5	6.1	29	.48
3	34	32	2.9	11	50	1.6	6.2	31	.51
4	28	32	2.4	9.3	41	1.0	6.1	34	.55
5	22	32	1.9	7.9	41	.88	5.7	37	.57
6	18	31	1.5	7.0	44	.84	5.2	41	.58
7	45	50	6.1	6.7	51	.92	4.9	46	.61
8	56	64	12	6.5	57	1.0	4.7	51	.64
9	74	78	16	6.9	55	1.0	4.8	48	.62
10	109	286	200	7.4	51	1.0	5.2	44	.62
11	218	587	532	8.8	82	2.7	5.0	45	.61
12	90	95	26	220	1030	1800	4.8	47	.61
13	191	258	369	406	847	1680	4.5	47	.57
14	272	259	245	78	181	41	4.3	47	.54
15	71	70	14	63	186	34	4.1	46	.51
16	39	41	4.4	30	91	7.6	3.9	45	.47
17	28	40	2.9	19	52	2.7	3.8	43	.44
18	22	46	2.7	15	32	1.3	3.7	43	.42
19	18	46	2.3	15	31	1.3	3.5	42	.40
20	15	43	1.8	29	82	14	3.4	40	.37
21	13	48	1.7	88	236	62	3.3	39	.34
22	27	88	6.4	32	98	8.7	3.2	39	.33
23	63	242	42	19	60	3.2	3.2	50	.44
24	34	159	15	14	44	1.7	4.4	98	2.6
25	22	104	6.2	11	34	1.0	231	966	942
26	15	82	3.4	9.2	31	.78	292	533	753
27	12	67	2.1	8.3	30	.67	35	136	14
28	9.4	55	1.4	7.5	27	.55	16	69	3.1
29	16	77	4.4	7.2	25	.47	10	42	1.2
30	105	235	67	6.8	25	.47	8.1	35	.77
31	44	109	13	6.5	26	.46	---	---	---
TOTAL	1824.4	---	1623.7	1194.0	---	3680.04	702.4	---	1728.36
YEAR	88304.6		284237.60						

STATION NUMBER 07282100 TOPASHAW CREEK CANAL NR CALHOUN CITY, MS

PROVISIONAL DATA SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	7.6	33	.68	40	168	21	e35	104	9.8
2	5.9	34	.55	49	157	21	e26	79	5.5
3	5.0	37	.51	28	90	7.0	e39	160	25
4	4.5	42	.51	19	70	3.6	66	265	50
5	4.3	49	.57	15	60	2.4	43	90	11
6	4.1	57	.62	23	93	6.2	32	82	7.1
7	3.9	62	.65	27	115	8.6	26	79	5.5
8	3.7	66	.67	22	84	5.0	24	83	5.4
9	3.7	67	.66	18	71	3.5	31	86	7.3
10	3.6	67	.65	15	62	2.5	266	740	638
11	3.5	70	.65	14	59	2.2	95	229	63
12	3.3	74	.66	13	56	1.9	50	115	16
13	3.6	93	.94	13	51	1.8	37	92	9.1
14	17	152	6.4	15	56	2.3	30	80	6.5
15	12	93	2.9	15	68	2.8	26	71	4.9
16	7.0	76	1.4	13	63	2.3	23	71	4.4
17	5.3	68	.98	12	60	1.9	22	73	4.3
18	4.5	70	.85	11	61	1.8	21	76	4.2
19	4.1	72	.80	10	62	1.7	19	78	4.1
20	3.9	74	.77	9.6	61	1.6	18	79	3.9
21	3.7	66	.67	10	60	1.6	73	212	75
22	3.7	58	.57	12	60	2.0	133	165	64
23	3.6	52	.51	12	60	1.9	104	169	112
24	113	617	253	11	60	1.7	2040	2060	12700
25	189	866	1620	9.8	61	1.6	621	780	1380
26	512	661	1330	9.3	62	1.6	213	393	236
27	67	135	26	9.4	63	1.6	125	238	81
28	27	98	7.4	9.5	81	2.1	89	146	36
29	17	76	3.4	e60	357	58	86	106	25
30	12	64	2.1	e66	261	47	87	110	26
31	12	59	1.9	---	---	---	67	79	14
TOTAL	1070.5	---	3267.97	590.6	---	220.2	4567	---	15634.0

e Estimated

STATION NUMBER 07282100 TOPASHAW CREEK CANAL NR CALHOUN CITY, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JANUARY			FEBRUARY			MARCH			
1	52	75	11	56	---	---	88	---	---
2	45	72	8.9	55	---	---	68	---	---
3	44	71	8.4	62	---	---	57	---	---
4	44	70	8.3	59	---	---	51	---	---
5	436	297	479	54	---	---	1260	---	---
6	359	192	193	48	---	---	1280	---	---
7	1240	1250	4820	42	---	---	1260	---	---
8	1280	---	---	41	---	---	2370	---	---
9	515	---	---	43	---	---	870	---	---
10	206	---	---	43	---	---	407	---	---
11	355	---	---	1430	---	---	205	---	---
12	441	---	---	534	---	---	137	---	---
13	229	---	---	206	---	---	109	---	---
14	134	---	---	110	---	---	93	---	---
15	129	---	---	80	---	---	82	---	---
16	491	---	---	1350	---	---	74	---	---
17	333	---	---	1590	---	---	733	---	---
18	216	---	---	810	---	---	404	---	---
19	354	---	---	386	---	---	257	---	---
20	187	---	---	171	---	---	661	---	---
21	119	---	---	103	---	---	271	---	---
22	428	---	---	445	---	---	149	---	---
23	439	---	---	785	---	---	104	---	---
24	207	---	---	311	---	---	84	---	---
25	120	---	---	146	---	---	74	---	---
26	91	---	---	184	---	---	65	---	---
27	137	---	---	277	---	---	58	---	---
28	109	---	---	139	---	---	55	---	---
29	84	---	---	---	---	---	49	---	---
30	70	---	---	---	---	---	44	---	---
31	60	---	---	---	---	---	124	---	---
TOTAL	8954	---	---	9560	---	---	11543	---	---

STATION NUMBER 07287150 ABIACA CREEK NR SEVEN PINES, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	32	84	7.3	43	111	13	37	70	7.1
2	31	82	6.8	38	88	8.9	35	68	6.4
3	29	80	6.3	36	79	7.6	41	326	39
4	30	75	6.1	33	99	8.7	44	228	28
5	30	62	5.1	32	101	8.7	36	70	6.9
6	30	55	4.4	33	147	13	36	57	5.5
7	29	58	4.6	34	212	19	34	49	4.5
8	30	64	5.1	34	149	14	35	61	5.8
9	30	74	6.0	32	100	8.7	34	184	17
10	31	78	6.5	31	100	8.2	39	465	50
11	31	61	5.1	30	271	22	37	778	76
12	31	47	3.9	31	558	47	34	912	85
13	32	39	3.4	32	604	51	34	439	40
14	35	40	3.7	e31	528	44	33	199	18
15	33	40	3.5	e31	275	23	32	94	8.1
16	31	39	3.3	e31	138	12	31	84	7.0
17	32	44	3.8	e31	113	9.5	30	92	7.5
18	32	45	3.9	e31	323	27	30	85	6.8
19	32	45	3.9	e31	570	48	27	77	5.6
20	30	50	4.1	32	295	26	31	75	6.3
21	30	69	5.7	32	147	13	58	329	67
22	31	82	6.8	33	90	7.9	59	167	31
23	32	65	5.6	32	56	4.8	49	78	11
24	82	397	97	31	42	3.5	1040	1290	4370
25	53	168	24	29	41	3.2	434	348	429
26	64	215	38	29	39	3.1	147	169	70
27	44	98	12	32	37	3.1	85	116	27
28	37	85	8.5	32	34	2.9	68	87	16
29	34	81	7.4	70	427	88	62	66	11
30	34	89	8.2	48	130	17	57	59	9.0
31	46	152	20	---	---	---	52	55	7.8
TOTAL	1108	---	330.0	1025	---	565.8	2801	---	5479.3

e Estimated

STATION NUMBER 07287150 ABIACA CREEK NR SEVEN PINES, MS
 PROVISIONAL DATA SUBJECT TO REVISION
 SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JANUARY			FEBRUARY			MARCH			
1	51	54	7.4	81	190	42	129	125	44
2	48	53	6.9	112	195	59	109	101	30
3	47	52	6.6	113	191	58	96	126	33
4	46	51	6.3	100	154	42	90	149	36
5	289	673	635	84	106	24	99	144	35
6	123	341	115	77	92	19	105	131	37
7	758	1100	2890	74	110	22	338	405	1140
8	778	974	2480	71	132	25	1590	1490	7650
9	312	249	224	68	151	28	796	494	1090
10	160	138	60	93	171	65	367	261	277
11	119	116	37	571	672	1160	189	144	74
12	114	105	32	203	282	159	140	146	55
13	100	118	32	124	187	63	121	144	47
14	86	128	30	100	150	41	108	119	35
15	84	123	28	90	122	30	97	97	26
16	115	175	55	633	561	1060	99	93	29
17	104	136	38	1300	1320	5250	1340	1320	5720
18	91	114	28	620	378	648	561	369	585
19	83	97	22	275	253	193	262	196	144
20	77	88	18	174	166	78	159	120	52
21	81	82	18	141	136	52	120	111	36
22	383	622	866	258	287	346	102	105	29
23	267	277	214	437	313	404	89	100	24
24	135	193	71	194	171	92	82	99	22
25	102	146	40	140	114	43	77	116	24
26	87	116	27	238	265	292	73	199	39
27	185	322	176	368	298	321	70	268	51
28	124	139	47	176	183	88	70	194	36
29	95	152	39	---	---	---	67	135	24
30	81	172	38	---	---	---	65	123	21
31	76	181	37	---	---	---	64	224	39
TOTAL	5201	---	8324.2	6915	---	10704	7674	---	17484

STATION NUMBER 07287150 ABIACA CREEK NR SEVEN PINES, MS
 PROVISIONAL DATA SUBJECT TO REVISION
 SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	63	235	40	171	194	96	131	141	50
2	61	179	30	97	134	35	92	121	30
3	60	187	30	77	113	24	74	130	26
4	58	165	26	68	96	18	67	159	28
5	58	144	22	63	100	17	142	491	326
6	56	154	23	59	204	33	125	299	109
7	55	281	42	58	160	25	75	140	29
8	57	459	71	56	124	19	62	105	18
9	58	551	86	57	107	16	56	126	19
10	55	530	80	54	93	14	53	142	20
11	55	283	42	52	85	12	51	127	18
12	54	145	21	51	95	13	50	113	15
13	52	93	13	50	190	25	49	100	13
14	51	112	15	50	335	46	48	88	11
15	51	128	18	52	203	29	49	85	11
16	52	120	17	53	109	16	48	104	13
17	50	111	15	52	97	14	46	129	16
18	58	104	16	52	129	18	44	277	32
19	80	171	37	51	357	48	43	462	54
20	62	129	22	50	751	102	44	264	32
21	54	151	22	49	824	110	44	142	17
22	54	186	27	49	721	97	43	102	12
23	55	244	36	49	366	49	42	164	18
24	52	262	37	48	180	23	42	270	31
25	53	164	23	45	130	16	40	425	46
26	52	99	14	46	371	46	41	503	55
27	51	66	9.1	47	582	75	48	280	36
28	279	724	658	48	204	28	53	149	21
29	111	199	61	1170	2600	10800	51	95	13
30	332	837	914	629	491	898	49	126	17
31	---	---	---	239	231	156	---	---	---
TOTAL	2239	---	2467.1	3692	---	12918	1802	---	1137

STATION NUMBER 07287150 ABIACA CREEK NR SEVEN PINES, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JULY			AUGUST			SEPTEMBER			
1	50	261	36	37	149	15	33	53	4.8
2	50	192	26	37	104	10	33	56	5.0
3	49	134	18	e36	80	7.8	32	53	4.6
4	51	131	18	e35	83	7.8	30	49	4.0
5	44	146	17	35	119	11	32	53	4.6
6	45	164	20	32	137	12	32	44	3.8
7	40	170	19	37	152	15	31	42	3.5
8	39	144	15	46	159	20	32	46	4.0
9	60	442	196	38	166	17	31	51	4.3
10	155	1410	1570	36	158	15	31	48	4.1
11	250	978	1160	37	116	11	32	49	4.3
12	217	824	621	33	95	8.4	39	62	6.5
13	237	853	610	32	108	9.3	39	63	6.7
14	188	1450	1350	35	124	12	36	60	5.7
15	146	332	133	56	218	55	31	66	5.5
16	107	254	75	60	337	66	34	71	6.5
17	62	193	33	42	148	17	36	74	7.2
18	54	153	22	37	137	14	34	71	6.5
19	49	123	16	35	130	12	33	66	6.0
20	46	109	13	36	130	13	36	61	5.9
21	43	123	14	34	127	12	36	59	5.7
22	41	152	17	37	117	12	36	60	5.8
23	40	228	25	36	108	10	34	58	5.4
24	41	284	32	34	102	9.4	31	49	4.1
25	43	216	25	32	106	9.3	32	43	3.7
26	43	160	19	33	106	9.3	31	42	3.5
27	43	138	16	32	92	7.9	33	41	3.7
28	41	180	20	32	79	6.8	38	44	4.6
29	39	223	24	33	67	6.0	45	63	7.7
30	37	229	23	32	59	5.1	46	73	9.0
31	36	211	21	33	50	4.4	---	---	---
TOTAL	2386	---	6204	1140	---	440.5	1029	---	156.7
YEAR	37012		66210.6						

e Estimated

STATION NUMBER 07287160 ABIACA CREEK AT CRUGER, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	27	37	2.7	50	126	17	e39	73	8.0
2	28	36	2.7	38	72	7.4	40	45	4.6
3	27	35	2.5	35	68	6.4	45	60	8.1
4	27	34	2.5	30	68	5.6	59	419	66
5	27	34	2.5	28	70	5.3	44	310	37
6	27	33	2.4	31	72	6.1	42	157	18
7	26	32	2.2	31	73	6.1	40	80	8.5
8	27	32	2.3	33	75	6.7	41	50	5.5
9	28	31	2.3	30	77	6.2	38	114	12
10	29	30	2.3	29	79	6.1	44	309	38
11	29	48	3.7	27	80	5.8	45	725	88
12	29	41	3.2	27	104	7.7	39	806	86
13	31	37	3.2	29	302	24	39	451	48
14	38	87	9.0	28	500	38	38	219	23
15	33	35	3.1	29	291	23	37	140	14
16	30	23	1.9	29	99	7.7	35	121	11
17	30	23	1.8	e30	82	6.6	33	105	9.4
18	30	22	1.8	e30	84	6.8	33	91	8.1
19	30	22	1.8	e30	115	9.3	28	79	6.0
20	30	21	1.7	e30	165	13	33	73	6.4
21	28	21	1.6	30	216	17	58	158	32
22	30	21	1.6	32	149	13	91	296	89
23	30	20	1.6	32	89	7.7	60	71	12
24	86	317	98	31	56	4.7	1040	1420	4810
25	63	86	15	28	51	3.9	404	386	445
26	76	134	29	29	49	3.8	189	190	100
27	53	81	12	e29	48	3.7	116	128	40
28	40	55	5.9	e29	46	3.6	93	97	24
29	35	46	4.3	e70	328	75	82	88	20
30	33	42	3.8	e50	207	32	73	87	17
31	46	83	13	---	---	---	65	88	15
TOTAL	1103	---	241.4	984	---	379.2	3063	---	6109.6

e Estimated

STATION NUMBER 07287160 ABIACA CREEK AT CRUGER, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JANUARY			FEBRUARY			MARCH			
1	60	88	14	73	155	32	130	222	78
2	56	89	14	108	337	99	113	207	65
3	52	89	13	108	239	70	99	189	51
4	50	90	12	96	174	45	93	170	43
5	244	879	804	83	166	37	98	157	42
6	173	277	139	74	140	28	104	169	47
7	559	1030	2160	71	131	25	177	439	583
8	943	724	2250	68	123	23	1720	1160	5770
9	301	259	219	66	116	21	739	362	782
10	159	187	81	65	110	19	314	180	159
11	115	146	45	423	852	1110	186	131	66
12	107	115	33	193	297	159	138	117	44
13	96	102	27	120	187	61	117	109	34
14	82	93	20	96	164	42	107	106	31
15	78	84	18	84	159	36	100	104	28
16	108	155	46	414	463	549	97	120	32
17	103	128	36	1260	1140	4420	1300	1240	4840
18	87	101	24	527	417	616	445	527	668
19	80	88	19	240	336	219	211	332	192
20	71	85	16	165	295	132	152	248	102
21	74	82	16	135	258	95	125	210	71
22	259	340	287	165	339	198	107	194	56
23	255	181	132	353	288	304	95	183	47
24	137	111	41	186	138	71	86	173	40
25	101	87	24	137	107	40	82	164	36
26	84	83	19	155	336	183	77	155	32
27	161	240	107	304	445	385	76	148	30
28	125	175	60	169	268	123	75	140	28
29	92	148	37	---	---	---	73	133	26
30	78	127	27	---	---	---	71	126	24
31	73	122	24	---	---	---	71	141	27
TOTAL	4963	---	6764	5938	---	9142	7378	---	14072

STATION NUMBER 07287160 ABIACA CREEK AT CRUGER, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	70	324	61	169	338	160	135	187	69
2	69	359	67	103	190	53	98	155	41
3	68	240	44	80	139	30	80	150	32
4	65	155	27	70	118	22	73	150	29
5	64	113	20	63	128	22	106	268	102
6	64	169	29	58	258	41	146	313	129
7	62	281	47	56	253	38	91	184	45
8	61	469	77	53	210	30	76	150	31
9	63	643	111	53	174	25	66	123	22
10	58	450	71	53	145	21	62	102	17
11	59	294	47	51	120	17	59	93	15
12	58	192	30	48	112	14	56	86	13
13	55	132	20	47	201	25	55	80	12
14	54	125	18	46	316	40	52	75	11
15	53	125	18	47	249	31	53	88	13
16	57	125	19	47	184	23	53	219	31
17	54	125	18	46	136	17	50	455	62
18	61	183	31	45	111	13	48	465	60
19	92	526	132	43	170	20	47	274	34
20	76	257	54	42	286	32	47	150	19
21	64	182	31	41	448	50	45	120	15
22	62	177	30	42	447	50	45	114	14
23	64	323	56	42	284	32	43	108	12
24	57	212	33	43	169	20	42	103	12
25	56	161	24	43	107	12	40	183	20
26	54	132	19	42	100	11	39	300	32
27	53	116	17	43	100	12	45	281	34
28	205	956	648	42	103	12	54	177	26
29	126	374	136	1130	1080	4860	52	104	15
30	235	572	447	552	484	793	49	90	12
31	---	---	---	222	258	158	---	---	---
TOTAL	2239	---	2382	3462	---	6684	1907	---	979

STATION NUMBER 07287160 ABIACA CREEK AT CRUGER, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JULY			AUGUST			SEPTEMBER			
1	54	117	18	31	68	5.8	28	86	6.5
2	52	155	22	33	66	5.8	28	74	5.6
3	51	137	19	33	63	5.5	28	66	4.9
4	52	125	18	30	61	4.9	25	73	5.0
5	47	114	15	30	62	5.0	27	81	6.0
6	45	105	13	27	64	4.7	29	83	6.4
7	41	97	11	32	125	11	27	106	7.8
8	37	92	9.3	44	729	89	27	119	8.6
9	39	97	10	37	535	54	25	103	6.7
10	104	401	124	33	271	24	25	60	4.0
11	236	1370	1100	32	147	13	26	59	4.2
12	168	606	309	29	102	8.0	37	89	9.1
13	198	553	313	29	104	8.0	40	114	12
14	153	386	198	31	105	8.8	36	123	12
15	145	407	165	39	95	9.9	28	119	9.1
16	114	190	60	74	518	118	31	114	9.5
17	65	120	21	44	220	26	34	110	10
18	52	93	13	37	156	16	30	106	8.7
19	46	82	10	33	121	11	28	102	7.9
20	41	80	8.8	32	110	9.6	31	99	8.3
21	37	80	7.9	30	108	8.6	32	95	8.3
22	35	109	10	32	105	9.1	32	92	8.0
23	33	195	17	33	102	9.2	31	87	7.3
24	37	350	35	31	100	8.4	26	83	5.8
25	36	541	53	28	98	7.4	25	79	5.5
26	37	354	36	28	95	7.1	24	76	5.0
27	36	196	19	26	93	6.6	26	72	5.1
28	34	109	10	27	91	6.5	30	121	11
29	34	78	7.2	28	89	6.7	44	300	35
30	32	75	6.4	29	87	6.8	44	287	34
31	31	72	5.9	29	94	7.4	---	---	---
TOTAL	2122	---	2664.5	1031	---	521.8	904	---	277.3
YEAR	35094		50216.8						

STATION NUMBER 07287404 HARLAND CREEK NR HOWARD, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	8.3	30	.66	16	80	3.7	190	265	137
2	8.2	32	.70	42	390	47	118	202	65
3	8.3	33	.73	18	169	8.3	39	153	16
4	9.1	31	.76	12	92	3.0	23	111	7.1
5	10	29	.80	11	58	1.8	16	82	3.6
6	9.5	27	.70	11	48	1.5	14	69	2.6
7	8.5	25	.58	10	44	1.2	13	58	2.0
8	8.4	24	.53	10	40	1.1	13	50	1.8
9	9.8	25	.66	11	37	1.1	16	64	6.6
10	9.1	27	.66	10	35	.97	152	633	347
11	8.2	29	.64	9.5	33	.85	26	184	14
12	9.8	30	.79	11	32	.91	15	113	4.6
13	11	31	.95	11	31	.94	13	82	2.9
14	13	34	1.1	10	33	.90	12	65	2.2
15	9.6	33	.86	11	33	1.0	11	53	1.6
16	10	25	.67	11	33	.99	11	46	1.4
17	9.4	27	.69	11	33	.96	11	41	1.2
18	10	32	.89	10	32	.88	9.2	41	1.0
19	10	34	.92	9.4	31	.79	10	42	1.1
20	9.2	33	.82	10	30	.82	10	41	1.1
21	8.4	30	.69	12	30	.95	62	224	55
22	8.9	27	.65	12	28	.96	54	213	35
23	9.5	27	.70	12	27	.85	195	730	1680
24	55	272	48	11	26	.74	1650	2180	12400
25	33	135	12	10	32	.89	400	1090	1190
26	23	89	5.7	9.9	40	1.1	284	943	725
27	15	61	2.6	11	35	1.1	230	624	392
28	10	48	1.4	12	33	1.1	170	266	125
29	9.6	39	1.0	548	1460	3340	88	106	27
30	13	48	1.7	249	349	236	29	80	6.3
31	17	362	21	---	---	---	18	74	3.6
TOTAL	391.8	---	110.55	1141.8	---	3662.40	3902.2	---	17258.7

STATION NUMBER 07287404 HARLAND CREEK NR HOWARD, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JANUARY			FEBRUARY			MARCH			
1	14	59	2.2	215	598	760	83	179	40
2	12	46	1.6	257	600	467	59	144	23
3	12	42	1.4	140	382	158	48	140	18
4	11	42	1.2	63	144	25	42	131	15
5	613	1860	4570	96	445	237	43	76	8.8
6	296	680	567	260	846	596	42	63	7.2
7	937	1950	5460	215	451	274	635	1530	5210
8	478	731	1030	43	77	9.2	1380	1790	8310
9	292	363	289	33	49	4.3	513	765	1100
10	210	266	152	63	94	58	223	470	290
11	148	206	83	350	959	1220	123	298	101
12	81	159	35	82	255	60	76	173	36
13	41	123	14	50	96	13	53	103	15
14	29	96	7.6	43	82	9.6	42	87	9.5
15	35	196	23	56	131	31	36	81	7.8
16	130	872	316	391	1030	1620	88	142	147
17	76	154	34	1060	1720	6350	1350	2910	11900
18	42	90	10	379	765	808	473	877	1200
19	33	68	6.0	192	442	235	245	430	290
20	27	57	4.1	117	250	81	150	249	103
21	41	170	32	77	124	27	101	147	40
22	635	1340	2520	307	698	1090	74	111	22
23	356	642	635	376	502	567	60	90	15
24	249	341	232	183	194	98	53	75	11
25	143	211	85	110	104	31	48	71	9.3
26	66	141	27	194	314	257	45	71	8.6
27	336	713	677	226	328	206	42	69	7.8
28	179	350	175	129	232	82	39	64	6.8
29	84	180	42	---	---	---	38	59	6.0
30	49	179	24	---	---	---	36	54	5.3
31	40	214	23	---	---	---	47	80	14
TOTAL	5695	---	17079.1	5707	---	15374.1	6287	---	28977.5

STATION NUMBER 07287404 HARLAND CREEK NR HOWARD, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
	APRIL			MAY			JUNE		
1	56	109	17	39	109	12	e22	150	8.2
2	44	81	9.6	31	80	6.8	21	109	6.2
3	38	67	6.9	28	73	5.5	20	110	5.8
4	35	62	5.9	24	66	4.3	19	118	5.9
5	34	58	5.4	21	52	3.0	22	127	7.6
6	33	55	4.9	23	53	3.3	23	134	8.4
7	32	55	4.8	22	63	3.8	21	117	6.6
8	31	55	4.6	21	60	3.4	19	99	5.0
9	31	53	4.4	22	59	3.6	18	92	4.6
10	30	51	4.1	21	60	3.5	18	89	4.4
11	29	50	4.0	19	62	3.1	18	85	4.1
12	29	51	4.0	18	60	3.0	18	78	3.9
13	28	51	3.9	18	59	2.9	17	72	3.3
14	27	53	3.8	17	60	2.7	17	67	3.0
15	27	55	4.0	17	61	2.7	21	72	4.2
16	27	55	4.0	17	62	2.8	30	188	16
17	26	56	3.9	16	63	2.7	22	116	6.9
18	33	80	7.6	15	65	2.6	19	100	5.1
19	43	109	13	15	67	2.7	17	80	3.8
20	32	64	5.5	14	69	2.7	16	68	3.0
21	29	65	5.1	15	66	2.6	16	60	2.7
22	29	65	5.1	14	62	2.4	16	54	2.3
23	28	59	4.4	15	61	2.4	16	52	2.3
24	27	51	3.7	14	60	2.3	16	53	2.2
25	27	51	3.7	14	59	2.3	15	53	2.2
26	26	53	3.8	14	59	2.2	15	52	2.1
27	26	55	3.9	13	60	2.1	16	51	2.2
28	36	75	7.5	13	60	2.1	16	48	2.0
29	27	54	4.0	e235	777	608	15	44	1.8
30	47	162	22	e100	528	145	14	42	1.6
31	---	---	---	e28	259	20	---	---	---
TOTAL	967	---	184.5	893	---	868.5	553	---	137.4

e Estimated

STATION NUMBER 07287404 HARLAND CREEK NR HOWARD, MS

PROVISIONAL DATA

SUBJECT TO REVISION

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JULY			AUGUST			SEPTEMBER			
1	17	88	5.0	14	61	2.3	12	57	1.8
2	15	102	4.4	14	59	2.3	12	51	1.6
3	14	53	2.0	14	57	2.1	11	48	1.5
4	14	48	1.8	13	51	1.7	11	47	1.4
5	14	48	1.8	13	59	2.0	12	46	1.5
6	13	48	1.7	13	66	2.4	12	46	1.5
7	13	48	1.7	14	72	2.7	12	45	1.5
8	13	47	1.7	16	69	2.9	12	45	1.4
9	13	48	1.6	14	64	2.5	11	50	1.5
10	13	51	1.8	13	59	2.1	11	51	1.5
11	13	53	1.9	13	55	1.9	12	50	1.6
12	17	95	4.4	13	51	1.9	17	86	4.3
13	260	808	1040	14	54	2.0	15	73	3.0
14	58	526	187	13	61	2.2	13	56	1.9
15	26	421	39	18	93	5.1	12	54	1.8
16	18	102	4.9	15	104	4.3	12	53	1.8
17	15	188	7.6	13	92	3.3	12	53	1.8
18	15	131	5.3	13	76	2.7	12	54	1.8
19	15	85	3.5	12	63	2.0	12	52	1.7
20	14	56	2.2	12	52	1.7	12	50	1.7
21	14	47	1.8	12	54	1.8	12	48	1.6
22	15	45	1.9	13	60	2.1	12	55	1.7
23	15	45	1.8	13	62	2.2	11	61	1.9
24	14	44	1.7	13	61	2.1	10	57	1.6
25	15	44	1.8	12	61	2.0	11	53	1.6
26	15	43	1.8	12	62	2.0	11	51	1.5
27	15	43	1.7	12	62	2.1	11	50	1.5
28	14	47	1.8	12	60	2.0	12	48	1.5
29	14	52	2.0	13	60	2.1	12	46	1.5
30	13	58	2.1	13	63	2.2	11	44	1.3
31	13	62	2.2	12	65	2.1	---	---	---
TOTAL	747	---	1339.9	411	---	72.8	358	---	52.3
YEAR	27053.8		85117.75						

Appendix B

Daily-value tables for stream-discharge only stations

STATION NUMBER 07273100 HOTOPHA CREEK NR BATESVILLE, MS

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	21	13	25	34	59	30	101	17	9.3	10	7.2
2	11	15	12	25	33	51	25	62	15	101	10	7.0
3	11	13	19	28	32	46	292	57	14	56	9.8	6.8
4	11	12	20	25	30	50	58	47	15	17	9.7	6.8
5	11	11	15	498	29	599	40	37	47	14	9.6	6.8
6	11	19	13	165	29	295	33	30	28	16	9.5	6.7
7	10	15	12	528	29	196	30	39	19	13	10	6.6
8	10	13	17	375	28	724	28	29	16	12	11	6.6
9	10	12	19	98	28	258	27	25	15	11	12	6.3
10	10	12	17	58	39	102	25	25	14	14	11	6.2
11	9.9	12	15	244	345	76	24	23	14	26	11	6.2
12	9.7	12	13	499	65	61	23	22	13	20	11	6.6
13	11	17	13	101	47	51	23	19	18	232	11	7.0
14	17	23	13	61	39	45	23	18	13	92	11	6.7
15	12	16	12	252	38	42	22	18	12	76	13	6.4
16	10	13	12	402	489	41	27	18	12	73	11	6.9
17	9.9	12	12	157	513	277	32	17	13	20	9.7	8.2
18	9.6	12	12	162	137	101	256	16	11	15	9.0	10
19	9.6	12	12	137	76	66	123	15	10	14	8.4	7.0
20	9.4	12	12	70	58	e65	39	15	10	13	8.2	6.7
21	10	13	107	61	48	e57	31	15	9.7	12	8.1	6.9
22	10	13	39	180	163	e46	29	14	9.5	12	8.0	6.9
23	10	13	23	87	171	e41	26	14	9.4	13	7.7	6.4
24	58	12	569	60	65	e37	25	14	9.6	12	7.6	6.2
25	223	11	100	49	52	33	20	14	9.9	16	7.8	5.9
26	94	12	47	47	343	30	19	14	10	16	7.7	5.9
27	23	12	39	76	202	29	50	13	9.8	13	7.3	5.9
28	16	12	32	48	80	27	884	48	9.6	12	7.4	6.0
29	14	14	38	42	---	26	214	77	9.3	13	7.4	5.8
30	12	14	33	38	---	25	343	27	9.2	12	7.2	5.8
31	17	---	28	35	---	27	---	19	---	11	7.1	---
TOTAL	702.1	410	1338	4633	3242	3583	2821	902	422.0	986.3	289.2	200.4
MEAN	22.6	13.7	43.2	149	116	116	94.0	29.1	14.1	31.8	9.33	6.68
MAX	223	23	569	528	513	724	884	101	47	232	13	10
MIN	9.4	11	12	25	28	25	19	13	9.2	9.3	7.1	5.8
CFSM	.65	.39	1.23	4.26	3.30	3.29	2.68	.83	.40	.91	.27	.19
IN.	.74	.43	1.42	4.91	3.44	3.80	2.99	.96	.45	1.05	.31	.21

CAL YR 1997 TOTAL 21824.3 MEAN 59.8 MAX 1050 MIN 7.7 CFSM 1.70 IN. 23.13
WTR YR 1998 TOTAL 19529.0 MEAN 53.5 MAX 884 MIN 5.8 CFSM 1.52 IN. 20.70

e Estimated

STATION NUMBER 07274251 TOWN CREEK AT WATER VALLEY, MS

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	2.5	2.6	1.7	2.4	3.2	3.9	4.2	2.0	2.7	6.4	1.3
2	1.9	2.6	2.6	1.7	2.4	2.9	3.8	2.6	1.9	2.7	5.9	1.4
3	1.9	2.6	6.6	1.7	2.3	2.9	14	3.4	1.9	3.2	5.2	1.4
4	2.0	2.6	2.3	1.7	2.3	6.2	3.2	2.1	5.0	3.0	4.8	1.3
5	2.1	3.0	2.3	18	2.3	64	2.9	1.9	38	15	4.5	1.4
6	2.1	2.1	2.4	3.7	2.3	17	3.0	1.9	2.4	2.8	4.4	1.4
7	2.3	2.0	2.6	41	2.3	34	3.1	3.0	2.1	2.7	7.2	1.5
8	2.5	2.1	4.1	18	2.3	59	6.0	2.1	2.0	2.7	3.7	1.5
9	2.6	2.1	6.7	4.5	2.6	15	3.0	1.8	2.1	12	2.9	1.5
10	2.6	2.1	2.9	3.1	16	6.1	2.8	1.8	2.1	26	2.9	1.5
11	2.6	2.1	2.3	12	12	4.5	2.8	1.8	2.1	7.3	3.1	1.5
12	2.6	2.1	2.3	7.5	2.8	3.8	2.9	2.1	2.1	6.0	19	1.6
13	7.1	2.8	2.3	3.4	2.6	3.6	2.9	2.1	2.5	24	2.4	1.7
14	2.1	1.9	2.3	2.9	2.6	3.6	2.9	2.1	2.1	14	29	1.6
15	2.1	2.0	2.3	15	9.4	3.6	2.9	2.3	2.3	3.1	4.5	1.5
16	2.1	2.3	2.3	12	40	5.3	5.0	2.3	2.6	3.2	2.4	1.7
17	2.3	e2.3	2.1	4.8	33	24	2.9	2.4	2.9	3.2	1.9	1.7
18	2.3	e2.3	2.1	17	5.9	4.7	34	2.6	2.9	3.7	1.9	1.6
19	2.3	e2.2	2.1	7.2	4.0	4.4	5.5	2.6	2.9	4.5	1.8	1.7
20	2.3	e2.2	2.1	4.1	3.4	3.7	3.3	2.6	2.9	5.7	1.9	1.7
21	3.0	e2.1	13	3.6	3.1	3.2	3.4	2.6	2.8	5.5	2.0	1.7
22	2.3	e2.1	1.9	9.7	14	3.2	3.4	2.6	2.9	5.7	2.0	1.7
23	2.7	e2.1	13	3.9	5.4	3.2	3.2	2.6	2.8	5.5	1.9	1.7
24	18	e2.2	32	3.1	3.3	3.3	3.2	2.6	2.9	11	1.8	1.7
25	35	e2.2	2.1	2.9	3.2	3.3	3.4	2.7	2.9	4.6	1.7	1.7
26	3.1	e2.2	1.9	3.5	25	3.6	3.2	3.2	3.2	3.3	1.6	1.8
27	2.1	e2.3	1.8	3.1	6.9	4.3	18	2.3	3.4	3.4	1.4	1.9
28	2.1	e2.6	1.8	2.7	3.7	4.1	170	4.1	3.7	3.8	1.3	1.9
29	2.1	4.7	2.1	2.6	---	4.4	6.5	6.7	3.7	4.7	1.3	1.9
30	2.3	2.6	1.7	2.5	---	4.6	28	2.0	6.7	4.9	1.3	1.9
31	2.6	---	1.7	2.4	---	5.4	---	2.1	---	5.3	1.3	---
TOTAL	125.0	71.0	130.3	221.0	217.5	314.1	353.1	81.2	119.8	205.2	133.4	48.4
MEAN	4.03	2.37	4.20	7.13	7.77	10.1	11.8	2.62	3.99	6.62	4.30	1.61
MAX	35	4.7	32	41	40	64	170	6.7	38	26	29	1.9
MIN	1.9	1.9	1.7	1.7	2.3	2.9	2.8	1.8	1.9	2.7	1.3	1.3
MED	2.3	2.2	2.3	3.6	3.2	4.3	3.2	2.4	2.8	4.6	2.4	1.7
CFSM	1.79	1.05	1.87	3.17	3.45	4.50	5.23	1.16	1.77	2.94	1.91	.72
IN.	2.07	1.17	2.15	3.65	3.60	5.19	5.84	1.34	1.98	3.39	2.21	.80
CAL YR 1997	TOTAL 2923.7	MEAN 8.01	MAX 175	MIN 1.7	MED 2.6	CFSM 3.56	IN. 48.34					
WTR YR 1998	TOTAL 2020.0	MEAN 5.53	MAX 170	MIN 1.3	MED 2.7	CFSM 2.46	IN. 33.40					

e Estimated

STATION NUMBER 07274252 OTOUCALOFA CREEK CANAL NR WATER VALLEY, MS

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	e139	65	86	90	171	115	422	59	47	45	38
2	45	e122	61	84	88	147	93	199	54	43	44	37
3	44	e94	101	81	89	134	183	185	50	46	44	39
4	43	e76	107	79	85	130	112	141	61	43	42	37
5	43	e64	75	666	80	1700	95	114	932	49	42	35
6	41	79	66	273	79	874	89	104	317	42	43	35
7	41	72	63	983	78	625	85	112	111	40	60	36
8	40	67	80	1070	77	2170	85	116	83	40	66	35
9	40	64	89	263	76	635	87	90	73	39	105	35
10	40	63	175	160	125	268	81	85	67	84	56	36
11	39	64	103	439	1180	202	77	79	64	73	54	34
12	39	63	81	429	227	172	74	74	61	74	231	35
13	52	68	73	202	144	158	73	69	64	241	140	35
14	65	72	69	146	121	146	73	65	62	133	93	34
15	46	65	66	429	123	137	72	64	60	69	130	33
16	42	62	64	735	1410	136	81	62	56	62	106	34
17	41	60	63	301	1560	804	113	59	52	53	64	36
18	40	60	61	434	377	272	780	57	50	49	55	34
19	42	60	60	538	204	178	798	55	50	47	50	34
20	40	60	60	206	165	195	184	53	48	45	48	33
21	41	61	264	161	142	154	134	53	47	48	50	34
22	45	61	187	392	332	135	125	52	46	46	49	33
23	43	59	129	251	499	125	114	51	45	44	49	33
24	248	58	2060	161	192	119	100	51	44	49	44	33
25	999	69	429	133	162	115	91	51	43	69	45	32
26	e1100	61	195	123	873	108	85	69	43	59	43	32
27	e650	58	134	137	744	103	99	77	42	49	42	32
28	e400	58	113	118	235	99	2770	62	41	48	42	33
29	e230	80	124	107	---	96	582	185	41	50	41	32
30	e94	74	112	100	---	92	1300	107	45	50	41	32
31	e122	---	95	94	---	97	---	68	---	47	40	---
TOTAL	4841	2113	5424	9381	9557	10497	8750	3031	2811	1878	2004	1031
MEAN	156	70.4	175	303	341	339	292	97.8	93.7	60.6	64.6	34.4
MAX	1100	139	2060	1070	1560	2170	2770	422	932	241	231	39
MIN	39	58	60	79	76	92	72	51	41	39	40	32
CFSM	1.61	.73	1.80	3.12	3.52	3.49	3.00	1.01	.96	.62	.67	.35
IN.	1.85	.81	2.08	3.59	3.66	4.02	3.35	1.16	1.08	.72	.77	.39

CAL YR 1997 TOTAL 88890 MEAN 244 MAX 3130 MIN 28 CFSM 2.51 IN. 34.05
WTR YR 1998 TOTAL 61318 MEAN 168 MAX 2770 MIN 32 CFSM 1.73 IN. 23.49

e Estimated

STATION NUMBER 07275530 PETERS (LONG) CREEK NR POPE, MS

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	28	16	13	23	33	37	92	18	15	14	13
2	16	17	16	12	22	27	34	47	18	17	14	14
3	16	15	24	12	21	23	470	46	17	27	14	14
4	15	14	24	12	20	23	68	36	19	13	14	14
5	15	e20	16	1550	19	1330	47	32	44	13	13	14
6	15	e34	15	281	17	322	41	30	28	13	14	13
7	15	e20	e17	1490	17	712	38	32	18	13	14	13
8	15	e18	e25	816	16	2060	36	28	17	13	21	13
9	15	14	e23	117	15	306	34	27	16	13	16	13
10	15	e14	e21	52	39	103	32	26	16	15	14	13
11	15	e14	e19	565	693	71	31	26	16	19	14	14
12	15	e15	e17	926	52	57	30	26	16	18	16	14
13	16	e19	e16	101	31	51	30	25	17	96	15	14
14	23	e32	15	51	24	47	31	24	15	18	117	13
15	17	e17	15	692	24	44	31	23	15	21	71	13
16	15	15	15	690	1200	46	47	23	15	20	17	13
17	15	15	16	220	1760	797	49	23	14	15	15	16
18	15	15	16	327	161	117	497	22	15	15	15	14
19	16	15	16	236	55	77	200	21	14	14	15	13
20	16	16	16	71	37	85	54	21	14	14	14	12
21	16	17	268	62	29	61	42	20	14	14	14	12
22	17	17	73	427	288	52	38	20	14	14	14	12
23	16	16	41	127	226	48	36	20	14	14	14	12
24	168	16	1800	58	47	46	33	20	14	14	14	12
25	151	16	80	42	33	43	31	21	14	20	14	12
26	118	16	32	38	906	40	30	21	14	20	14	12
27	26	16	24	58	208	39	76	21	14	15	13	12
28	16	n16	19	39	53	38	3760	19	14	15	13	12
29	15	17	24	32	---	36	219	28	14	14	13	12
30	14	18	20	28	---	35	676	22	15	15	13	12
31	26	---	15	25	---	36	---	19	---	14	14	---
TOTAL	899	532	2754	9170	6036	6805	6778	861	503	571	607	390
MEAN	29.0	17.7	88.8	296	216	220	226	27.8	16.8	18.4	19.6	13.0
MAX	168	34	1800	1550	1760	2060	3760	92	44	96	117	16
MIN	14	14	15	12	15	23	30	19	14	13	13	12
CFSM	.37	.22	1.12	3.73	2.72	2.77	2.85	.35	.21	.23	.25	.16
IN.	.42	.25	1.29	4.31	2.84	3.20	3.18	.40	.24	.27	.29	.18

CAL YR 1997 TOTAL 54105.6 MEAN 148 MAX 4580 MIN 9.6 CFSM 1.87 IN. 25.41
WTR YR 1998 TOTAL 35906 MEAN 98.4 MAX 3760 MIN 12 CFSM 1.24 IN. 16.86

e Estimated

STATION NUMBER 07277730 SENATOBIA CREEK NR SENATOBIA, MS

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	21	12	20	22	51	23	102	19	15	20	16
2	14	16	12	19	22	43	21	50	18	14	18	16
3	14	14	13	19	21	38	166	65	18	15	18	16
4	14	13	12	19	20	38	37	40	18	14	18	15
5	14	13	12	528	20	758	27	31	87	14	17	15
6	14	14	12	282	20	292	24	28	25	14	17	15
7	14	13	12	1250	19	202	23	28	19	14	18	21
8	14	13	13	723	19	896	52	25	18	15	19	17
9	14	13	13	228	19	234	41	23	18	15	18	18
10	14	13	13	66	377	78	25	22	18	17	17	18
11	14	13	12	341	685	55	22	21	17	25	83	17
12	13	13	12	621	113	46	20	20	17	22	81	16
13	16	14	12	88	62	42	20	19	17	21	47	16
14	15	15	12	48	48	38	19	19	17	160	155	16
15	14	14	12	348	45	36	19	19	17	79	28	15
16	14	13	12	546	776	35	23	18	16	50	19	16
17	14	12	12	174	755	347	43	18	16	21	18	18
18	14	12	12	126	184	67	35	17	16	19	17	16
19	13	13	12	169	96	97	68	17	16	19	17	16
20	13	12	12	67	66	140	32	16	16	18	16	18
21	14	13	158	43	54	49	30	16	15	18	16	19
22	14	12	45	117	74	37	27	16	15	18	16	16
23	13	12	19	66	187	32	25	16	15	17	16	16
24	23	12	572	40	74	30	23	16	15	17	15	16
25	43	12	60	31	54	27	21	16	15	170	15	15
26	31	12	32	28	456	24	20	16	15	51	15	16
27	16	12	30	53	247	23	242	19	15	21	15	15
28	14	12	26	33	74	22	2260	23	15	19	15	15
29	13	12	30	27	---	22	188	120	15	170	15	15
30	13	12	28	25	---	21	801	22	15	33	15	15
31	16	---	23	23	---	22	---	19	---	21	16	---
TOTAL	491	395	1267	6168	4609	3842	4377	897	573	1136	830	489
MEAN	15.8	13.2	40.9	199	165	124	146	28.9	19.1	36.6	26.8	16.3
MAX	43	21	572	1250	776	896	2260	120	87	170	155	21
MIN	13	12	12	19	19	21	19	16	15	14	15	15
CFSM	.19	.16	.50	2.43	2.01	1.51	1.78	.35	.23	.45	.33	.20
IN.	.22	.18	.57	2.80	2.09	1.74	1.99	.41	.26	.52	.38	.22
CAL YR 1997	TOTAL 34386	MEAN 94.2	MAX 3610	MIN 12	CFSM 1.15	IN. 15.60						
WTR YR 1998	TOTAL 25074	MEAN 68.7	MAX 2260	MIN 12	CFSM .84	IN. 11.38						

STATION NUMBER 07287355 FANNEGUSHA CREEK NR HOWARD, MS

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	23	23	21	93	100	77	96	65	25	19	e19
2	14	19	19	20	454	81	58	50	40	43	19	e18
3	16	16	22	19	183	70	50	41	33	25	19	e17
4	16	15	25	18	121	63	48	37	30	23	19	e16
5	16	16	20	788	93	79	46	35	35	22	19	e16
6	16	14	17	234	81	102	44	34	37	22	19	e16
7	15	15	16	1710	74	731	43	33	30	22	19	e16
8	15	15	17	1610	70	3020	43	32	27	20	24	e20
9	16	14	17	479	66	646	52	31	26	20	22	e18
10	17	14	32	199	89	309	42	32	25	45	19	e17
11	17	14	27	107	1070	214	40	30	25	34	18	e17
12	17	15	18	99	290	158	39	29	24	45	18	e47
13	18	15	17	96	119	132	39	28	24	1300	18	27
14	24	15	16	73	94	96	40	28	23	358	19	20
15	20	14	15	73	90	70	40	28	24	251	21	18
16	17	14	15	174	1100	91	39	27	24	133	22	e17
17	16	13	15	152	2350	2480	39	27	23	65	20	e16
18	16	13	14	95	749	470	45	26	22	40	19	e16
19	16	14	14	78	371	222	149	26	22	34	18	e16
20	17	14	14	69	158	176	70	25	21	28	18	18
21	17	15	48	76	113	135	51	25	20	25	18	19
22	17	15	61	1250	318	93	46	25	20	24	e19	19
23	16	15	32	554	760	74	44	25	21	23	e21	19
24	75	14	2990	172	181	65	42	25	21	22	e17	18
25	34	13	534	106	112	60	38	24	20	38	e16	18
26	25	13	256	93	225	55	37	24	20	23	e19	18
27	21	13	178	582	480	53	35	24	20	22	e18	18
28	18	13	128	207	144	52	65	24	19	21	e17	18
29	16	148	40	117	---	51	61	1890	19	20	e16	18
30	15	43	31	93	---	49	106	459	19	20	e26	17
31	17	---	24	81	---	50	---	158	---	19	e21	---
TOTAL	605	604	4695	9445	10048	10047	1568	3398	779	2812	597	567
MEAN	19.5	20.1	151	305	359	324	52.3	110	26.0	90.7	19.3	18.9
MAX	75	148	2990	1710	2350	3020	149	1890	65	1300	26	47
MIN	14	13	14	18	66	49	35	24	19	19	16	16
CFSM	.19	.20	1.47	2.96	3.48	3.15	.51	1.06	.25	.88	.19	.18
IN.	.22	.22	1.70	3.41	3.63	3.63	.57	1.23	.28	1.02	.22	.20

CAL YR 1997 TOTAL 87780 MEAN 240 MAX 8590 MIN 13 CFSM 2.33 IN. 31.70
WTR YR 1998 TOTAL 45165 MEAN 124 MAX 3020 MIN 13 CFSM 1.20 IN. 16.31

e Estimated

STATION NUMBER 07287400 BLACK CREEK AT LEXINGTON, MS

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	41	83	104	338	82	165	91	62	28	33	28
2	24	27	61	99	487	71	73	52	52	29	35	26
3	24	24	86	84	227	64	65	45	47	28	36	25
4	23	23	78	79	99	67	58	42	44	28	36	25
5	23	22	53	510	70	93	55	42	63	27	35	25
6	23	24	48	250	59	131	53	43	60	27	34	24
7	22	23	45	1380	55	1060	50	42	43	26	49	25
8	22	23	47	852	50	2190	49	38	40	26	54	29
9	21	21	94	262	47	490	48	44	38	34	32	27
10	21	21	509	103	146	231	46	51	37	37	31	26
11	21	21	113	72	1160	136	43	39	38	58	30	27
12	21	22	74	134	244	102	42	37	37	168	26	72
13	43	23	66	85	141	93	41	38	34	1540	25	48
14	45	23	63	57	83	87	42	37	33	286	24	32
15	28	22	60	67	136	82	41	34	38	152	41	27
16	26	21	57	198	1100	117	43	33	34	371	29	25
17	25	21	55	111	1540	1770	43	32	32	80	26	23
18	25	22	52	64	476	448	98	32	32	59	26	23
19	25	22	50	53	232	216	272	31	33	49	28	26
20	25	21	48	47	188	179	79	30	34	45	26	35
21	24	26	194	78	131	109	59	30	30	42	27	30
22	24	27	114	1060	634	92	55	30	29	43	26	38
23	24	24	460	313	604	83	51	29	32	43	28	31
24	90	23	3530	123	155	79	48	29	28	42	25	23
25	31	23	574	82	97	76	45	29	28	46	23	25
26	36	22	290	92	373	70	44	30	28	41	30	25
27	29	22	234	429	347	67	43	33	28	41	26	27
28	35	26	170	143	122	65	78	29	28	41	24	27
29	23	884	189	79	---	58	64	1030	28	40	23	27
30	23	172	141	62	---	57	197	363	27	36	40	29
31	57	---	113	53	---	154	---	104	---	34	32	---
TOTAL	907	1716	7751	7125	9341	8619	2090	2569	1117	3547	960	880
MEAN	29.3	57.2	250	230	334	278	69.7	82.9	37.2	114	31.0	29.3
MAX	90	884	3530	1380	1540	2190	272	1030	63	1540	54	72
MIN	21	21	45	47	47	57	41	29	27	26	23	23
CFSM	.33	.65	2.84	2.61	3.79	3.16	.79	.94	.42	1.30	.35	.33
IN.	.38	.72	3.27	3.01	3.94	3.64	.88	1.08	.47	1.50	.41	.37

CAL YR 1997 TOTAL 69401 MEAN 190 MAX 13000 MIN 19 CFSM 2.16 IN. 29.30
WTR YR 1998 TOTAL 46622 MEAN 128 MAX 3530 MIN 21 CFSM 1.45 IN. 19.69